GW-032

ANNUAL GW MONITORING REPORT (2)

2010

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HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Pilot Eff

COVER LETTER

Thursday, March 25, 2010

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301
TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2010 1st QTR

Order No.: 1003323

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 3/12/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

For Andy Freeman, Laboratory Manager

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

223-10-19

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot EFF
Lab Order:	1003323	**Collection Date:**	3/10/2010 1:52:00 PM
Project:	2010 1st QTR	**Date Received:**	3/12/2010
Lab ID:	1003323-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	28	10		mg/L	1	3/19/2010 8:28:19 AM
Motor Oil Range Organics (MRO)	61	50		mg/L	1	3/19/2010 8:28:19 AM
Surr: DNOP	127	58-140		%REC	1	3/19/2010 8:28:19 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.25		mg/L	5	3/15/2010 4:44:50 PM
Surr: BFB	98.5	55.2-107		%REC	5	3/15/2010 4:44:50 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.00020		mg/L	1	3/16/2010 4:41:57 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	3/16/2010 3:39:05 PM
Barium	ND	0.020		mg/L	1	3/16/2010 3:39:05 PM
Cadmium	ND	0.0020		mg/L	1	3/16/2010 3:39:05 PM
Chromium	ND	0.0060		mg/L	1	3/16/2010 3:39:05 PM
Copper	0.0095	0.0060		mg/L	1	3/16/2010 3:39:05 PM
Iron	0.13	0.020		mg/L	1	3/16/2010 3:39:05 PM
Lead	ND	0.0050		mg/L	1	3/16/2010 3:39:05 PM
Manganese	0.039	0.0020		mg/L	1	3/16/2010 3:39:05 PM
Selenium	ND	0.050		mg/L	1	3/16/2010 3:39:05 PM
Silver	ND	0.0050		mg/L	1	3/16/2010 3:39:05 PM
Zinc	ND	0.050		mg/L	1	3/16/2010 3:39:05 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	3/18/2010 7:36:22 PM
Barium	ND	0.020		mg/L	1	3/18/2010 7:36:22 PM
Cadmium	ND	0.0020		mg/L	1	3/18/2010 7:36:22 PM
Chromium	ND	0.0060		mg/L	1	3/18/2010 7:36:22 PM
Copper	0.061	0.0060		mg/L	1	3/18/2010 7:36:22 PM
Iron	0.56	0.050		mg/L	1	3/19/2010 4:01:45 PM
Lead	ND	0.0050		mg/L	1	3/18/2010 7:36:22 PM
Manganese	0.049	0.0020		mg/L	1	3/18/2010 7:36:22 PM
Selenium	ND	0.050		mg/L	1	3/18/2010 7:36:22 PM
Silver	ND	0.0050		mg/L	1	3/18/2010 7:36:22 PM
Zinc	0.14	0.020		mg/L	1	3/19/2010 4:01:45 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Toluene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Ethylbenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot EFF
Lab Order:	1003323	**Collection Date:**	3/10/2010 1:52:00 PM
Project:	2010 1st QTR	**Date Received:**	3/12/2010
Lab ID:	1003323-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Naphthalene	ND	10		µg/L	5	3/18/2010 1:46:01 PM
1-Methylnaphthalene	ND	20		µg/L	5	3/18/2010 1:46:01 PM
2-Methylnaphthalene	ND	20		µg/L	5	3/18/2010 1:46:01 PM
Acetone	ND	50		µg/L	5	3/18/2010 1:46:01 PM
Bromobenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Bromoform	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Bromomethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
2-Butanone	ND	50		µg/L	5	3/18/2010 1:46:01 PM
Carbon disulfide	190	50		µg/L	5	3/18/2010 1:46:01 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Chlorobenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Chloroethane	ND	10		µg/L	5	3/18/2010 1:46:01 PM
Chloroform	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Chloromethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/18/2010 1:46:01 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Dibromomethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/18/2010 1:46:01 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
2-Hexanone	ND	50		µg/L	5	3/18/2010 1:46:01 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot EFF
Lab Order:	1003323	**Collection Date:**	3/10/2010 1:52:00 PM
Project:	2010 1st QTR	**Date Received:**	3/12/2010
Lab ID:	1003323-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
4-Methyl-2-pentanone	ND	50		µg/L	5	3/18/2010 1:46:01 PM
Methylene Chloride	ND	15		µg/L	5	3/18/2010 1:46:01 PM
n-Butylbenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Styrene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/18/2010 1:46:01 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/18/2010 1:46:01 PM
Vinyl chloride	ND	5.0		µg/L	5	3/18/2010 1:46:01 PM
Xylenes, Total	ND	7.5		µg/L	5	3/18/2010 1:46:01 PM
Surr: 1,2-Dichloroethane-d4	105	54.6-141		%REC	5	3/18/2010 1:46:01 PM
Surr: 4-Bromofluorobenzene	108	60.1-133		%REC	5	3/18/2010 1:46:01 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	5	3/18/2010 1:46:01 PM
Surr: Toluene-d8	97.5	79.5-126		%REC	5	3/18/2010 1:46:01 PM

Qualifiers:

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

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100316034
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003323
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100316034-001	**Sampling Date**	3/10/2010	**Date/Time Received**	3/16/2010 11:15 AM
Client Sample ID	1003323-01C / PIOLT EFF.	**Sampling Time**	1:52 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00130	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

Sample Number	100316034-002	**Sampling Date**	3/10/2010	**Date/Time Received**	3/16/2010 11:15 AM
Client Sample ID	1003323-01E / PIOLT EFF.	**Sampling Time**	1:52 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	ND	mg/L	0.001	3/24/2010	JTT	EPA 6020A	

Authorized Signature

John Coddington, Lab Manager

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

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

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

4301 Masthead NE Albuquerque, NM 87109, ph. 505-345-8964 fax 505-345-7259

Explanation of codes	
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
U	Concentration is below MDL
J	Concentration between MDL and RDL
1-9	See Footnote

HALL ENVIRONMENTAL
attn **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

ARS Analytical, LLC

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **1003323**
Order: **10030350 HAL03** Receipt: **03-12-10**

for Francine Tavares
Elvin J. Chavez: President of ARS Analytical, LLC

Sample: ***1003323-01F PILOT EFF.*** Collected: *03-10-10 13:52:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10030350-001A		**SM 5220C**						By: FAS		
COD10017	WC.2010.573.9	C-004	Chemical Oxygen Demand	455	mg/L	1	4		03-15-10	03-16-10

Sample: ***1003323-01G PILOT EFF.*** Collected: *03-10-10 13:52:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10030350-002A		**SM 5210B**						By: JLE		
BOD100027	WC.2010.575.15	10-26-4	Biochemical Oxygen Demand	196	mg/L	1	4		03-12-10	03-17-10

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Reporting Limit. Sample specific Reporting Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003323

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21676		*MBLK*				Batch ID:	**21676**	Analysis Date:		3/18/2010 5:32:58 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21676		*LCS*				Batch ID:	**21676**	Analysis Date:		3/19/2010 9:04:47 AM	
Diesel Range Organics (DRO)	6.382	mg/L	1.0	5	0	128	74	157			
Sample ID: LCSD-21676		*LCSD*				Batch ID:	**21676**	Analysis Date:		3/18/2010 6:45:25 PM	
Diesel Range Organics (DRO)	6.911	mg/L	1.0	5	0	138	74	157	7.95	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: B		*MBLK*				Batch ID:	**R37774**	Analysis Date:		3/15/2010 10:05:29 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37774**	Analysis Date:		3/15/2010 8:35:03 PM	
Gasoline Range Organics (GRO)	0.5382	mg/L	0.050	0.5	0	108	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R37774**	Analysis Date:		3/15/2010 9:03:48 PM	
Gasoline Range Organics (GRO)	0.5018	mg/L	0.050	0.5	0	100	80	115	7.00	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003323

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R37790**		**Analysis Date: 3/16/2010 11:33:29 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003323

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID: R37790**		**Analysis Date:**	3/16/2010 11:33:29 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[redacted]ichloropropane	ND	µg/L	2.0								
Vinyl[redacted]hloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*					**Batch ID: R37819**		**Analysis Date:**	3/18/2010 10:28:12 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003323

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R37819**		Analysis Date: 3/18/2010 10:28:12 AM			
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID: **R37790**		Analysis Date: 3/16/2010 12:30:03 PM			

Qualifiers:

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

QA/QC SUMMARY REPORT

Cl Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003323

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID: **R37790**		Analysis Date:		3/16/2010 12:30:03 PM	
Benzene	20.04	µg/L	1.0	20	0	100	76.7	114			
Toluene	22.03	µg/L	1.0	20	0	110	78.4	117			
Chlorobenzene	20.63	µg/L	1.0	20	0	103	80.7	127			
1,1-Dichloroethene	24.04	µg/L	1.0	20	0	120	80.2	128			
Trichloroethene (TCE)	22.50	µg/L	1.0	20	0	113	77.4	115			
Sample ID: 100ng lcs		*LCS*				Batch ID: **R37819**		Analysis Date:		3/18/2010 11:24:28 AM	
Benzene	19.78	µg/L	1.0	20	0	98.9	76.7	114			
Toluene	22.61	µg/L	1.0	20	0	113	78.4	117			
Chlorobenzene	20.87	µg/L	1.0	20	0	104	80.7	127			
1,1-Dichloroethene	23.21	µg/L	1.0	20	0	116	80.2	128			
Trichloroethene (TCE)	21.75	µg/L	1.0	20	0	109	77.4	115			
Sample ID: 100ng lcsd		*LCSD*				Batch ID: **R37790**		Analysis Date:		3/17/2010 4:02:29 AM	
Benzene	19.70	µg/L	1.0	20	0	98.5	76.7	114	1.69	11	
Toluene	21.55	µg/L	1.0	20	0	108	78.4	117	2.22	12.2	
Chlorobenzene	19.74	µg/L	1.0	20	0	98.7	80.7	127	4.39	12	
1,1-Dichloroethene	23.00	µg/L	1.0	20	0	115	80.2	128	4.42	19.3	
Trichloroethene (TCE)	20.95	µg/L	1.0	20	0	105	77.4	115	7.17	15.5	
Me[illegible] EPA Method 7470: Mercury											
Sam[illegible] ID: MB-21661		*MBLK*				Batch ID: **21661**		Analysis Date:		3/16/2010 4:15:02 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-21661		*LCS*				Batch ID: **21661**		Analysis Date:		3/16/2010 4:16:51 PM	
Mercury	0.004713	mg/L	0.00020	0.005	0	94.3	80	120			
Sample ID: LCS-21661		*LCS*				Batch ID: **21661**		Analysis Date:		3/16/2010 4:18:40 PM	
Mercury	0.004713	mg/L	0.00020	0.005	0	94.3	80	120	0.0131	0	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003323

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R37782**	Analysis Date:	3/16/2010 2:05:26 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	**R37782**	Analysis Date:	3/16/2010 2:08:19 PM		
Arsenic	0.4876	mg/L	0.020	0.5	0	97.5	80	120			
Barium	0.4810	mg/L	0.020	0.5	0	96.2	80	120			
Cadmium	0.4877	mg/L	0.0020	0.5	0	97.5	80	120			
Chromium	0.4884	mg/L	0.0060	0.5	0	97.7	80	120			
Copper	0.5240	mg/L	0.0060	0.5	0	105	80	120			
Iron	0.4952	mg/L	0.020	0.5	0	99.0	80	120			
Lead	0.4798	mg/L	0.0050	0.5	0	96.0	80	120			
Manganese	0.4816	mg/L	0.0020	0.5	0	96.3	80	120			
Selenium	0.4781	mg/L	0.050	0.5	0	95.6	80	120			
Silver	0.5016	mg/L	0.0050	0.5	0	100	80	120			
Zinc	0.4825	mg/L	0.050	0.5	0	96.5	80	120			
Sample ID: LCSRR		*LCS*				Batch ID:	**R37782**	Analysis Date:	3/16/2010 3:09:25 PM		
Arsenic	0.4982	mg/L	0.020	0.5	0	99.6	80	120			
Barium	0.4815	mg/L	0.020	0.5	0	96.3	80	120			
Cadmium	0.4962	mg/L	0.0020	0.5	0	99.2	80	120			
Chromium	0.4893	mg/L	0.0060	0.5	0	97.9	80	120			
Copper	0.5273	mg/L	0.0060	0.5	0	105	80	120			
Iron	0.4887	mg/L	0.020	0.5	0	97.7	80	120			
Lead	0.4923	mg/L	0.0050	0.5	0	98.5	80	120			
Manganese	0.4821	mg/L	0.0020	0.5	0	96.4	80	120			
Selenium	0.4994	mg/L	0.050	0.5	0	99.9	80	120			
Silver	0.4983	mg/L	0.0050	0.5	0	99.7	80	120			
Zinc	0.4866	mg/L	0.050	0.5	0	97.3	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003323

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-21671		*MBLK*				**Batch ID: 21671**		**Analysis Date: 3/18/2010 10:55:18 AM**			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-21671		*LCS*				**Batch ID: 21671**		**Analysis Date: 3/18/2010 10:58:13 AM**			
Arsenic	0.4957	mg/L	0.020	0.5	0	99.1	80	120			
Barium	0.4880	mg/L	0.020	0.5	0	97.6	80	120			
Cadmium	0.4982	mg/L	0.0020	0.5	0	99.6	80	120			
Chromium	0.4995	mg/L	0.0060	0.5	0.0033	99.2	80	120			
Copper	0.5654	mg/L	0.0060	0.5	0.0029	112	80	120			
Iron	0.5016	mg/L	0.050	0.5	0.0216	96.0	80	120			
Lead	0.4908	mg/L	0.0050	0.5	0	98.2	80	120			
Manganese	0.4913	mg/L	0.0020	0.5	0	98.3	80	120			
Selenium	0.5019	mg/L	0.050	0.5	0	100	80	120			
Silver	0.5010	mg/L	0.0050	0.5	0	100	80	120			
Zinc	0.4745	mg/L	0.020	0.5	0	94.9	80	120			
Sample ID: LCS-21671		*LCS*				**Batch ID: 21671**		**Analysis Date: 3/18/2010 4:17:01 PM**			
Arsenic	0.5090	mg/L	0.020	0.5	0	102	80	120	2.65	0	
Barium	0.4944	mg/L	0.020	0.5	0	98.9	80	120	1.30	0	
Cadmium	0.5102	mg/L	0.0020	0.5	0	102	80	120	2.38	0	
Chromium	0.5055	mg/L	0.0060	0.5	0.0033	100	80	120	1.18	0	
Copper	0.5552	mg/L	0.0060	0.5	0.0029	110	80	120	1.81	0	
Iron	0.5038	mg/L	0.050	0.5	0.0216	96.5	80	120	0.438	0	
Lead	0.5023	mg/L	0.0050	0.5	0	100	80	120	2.32	0	
Manganese	0.4975	mg/L	0.0020	0.5	0	99.5	80	120	1.25	0	
Selenium	0.5001	mg/L	0.050	0.5	0	100	80	120	0.352	0	
Silver	0.5124	mg/L	0.0050	0.5	0	102	80	120	2.25	0	
Zinc	0.4842	mg/L	0.020	0.5	0	96.8	80	120	2.03	0	

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/12/2010**

Work Order Number **1003323** Received by: **ARS**

Checklist completed by: _____ 3/12/10 Sample ID labels checked by: TS

Signature Date Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**5.0°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 6

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 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: 2010 1st QTR Effluents

Project #:

Project Manager: G. Rajen

Sampler: C Johnson

On Ice: ☒ YES ☐ No

Sample Temperature: 5.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1003323	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss.	BOD	COD	Air Bubbles (Y or N)
3/10/10	1352	H2O	Pilot EFF.*	40ml-3	HCl	1			X													
				40ml-3	HCl	1										X						
				125ml-2	HNO3	1													X			
				500ml-2	HNO3	1											X					
				500ml-1	None	1														X		
				250ml-1	H2SO4	1															X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/10/10					
Date:	Time:	Relinquished by:	Received by:	3/12/10	9:50

Remarks: *Caution: Sample may contain biohazards

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Pilot Eff

COVER LETTER

Thursday, July 15, 2010

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

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

RE: 2010-Quarterly Pilot Eff

Order No.: 1006A29

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 6/29/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

723 Jul 10

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	1006A29	**Collection Date:**	6/28/2010 2:13:00 PM
Project:	2010-Quarterly Pilot Eff	**Date Received:**	6/29/2010
Lab ID:	1006A29-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	19	3.0		mg/L	1	7/1/2010 4:05:35 PM
Motor Oil Range Organics (MRO)	26	15		mg/L	1	7/1/2010 4:05:35 PM
Surr: DNOP	124	86.9-151		%REC	1	7/1/2010 4:05:35 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.25		mg/L	5	7/6/2010 12:43:11 PM
Surr: BFB	94.9	65.7-118		%REC	5	7/6/2010 12:43:11 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.00080		mg/L	1	7/6/2010 5:23:55 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/1/2010 1:05:10 PM
Barium	ND	0.020		mg/L	1	7/1/2010 1:05:10 PM
Cadmium	ND	0.0020		mg/L	1	7/1/2010 1:05:10 PM
Chromium	ND	0.0060		mg/L	1	7/1/2010 1:05:10 PM
Copper	ND	0.0060		mg/L	1	7/1/2010 1:05:10 PM
Iron	0.097	0.020		mg/L	1	7/1/2010 1:05:10 PM
Lead	ND	0.0050		mg/L	1	7/1/2010 1:05:10 PM
Manganese	0.068	0.0020		mg/L	1	7/1/2010 1:05:10 PM
Selenium	ND	0.050		mg/L	1	7/14/2010 3:26:26 PM
Silver	ND	0.0050		mg/L	1	7/1/2010 1:05:10 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/1/2010 10:16:54 AM
Barium	ND	0.020		mg/L	1	7/1/2010 10:16:54 AM
Cadmium	ND	0.0020		mg/L	1	7/1/2010 10:16:54 AM
Chromium	ND	0.0060		mg/L	1	7/1/2010 10:16:54 AM
Copper	0.055	0.0060		mg/L	1	7/1/2010 10:16:54 AM
Iron	0.49	0.050		mg/L	1	7/1/2010 10:16:54 AM
Lead	ND	0.0050		mg/L	1	7/1/2010 10:16:54 AM
Manganese	0.058	0.0020		mg/L	1	7/1/2010 10:16:54 AM
Selenium	ND	0.050		mg/L	1	7/8/2010 1:02:09 PM
Silver	ND	0.0050		mg/L	1	7/1/2010 10:16:54 AM
Zinc	0.12	0.020		mg/L	1	7/1/2010 10:16:54 AM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Toluene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Ethylbenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	1006A29	**Collection Date:**	6/28/2010 2:13:00 PM
Project:	2010-Quarterly Pilot Eff	**Date Received:**	6/29/2010
Lab ID:	1006A29-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Naphthalene	ND	10		µg/L	5	7/7/2010 1:03:22 AM
1-Methylnaphthalene	ND	20		µg/L	5	7/7/2010 1:03:22 AM
2-Methylnaphthalene	ND	20		µg/L	5	7/7/2010 1:03:22 AM
Acetone	ND	50		µg/L	5	7/7/2010 1:03:22 AM
Bromobenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Bromodichloromethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Bromoform	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Bromomethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
2-Butanone	ND	50		µg/L	5	7/7/2010 1:03:22 AM
Carbon disulfide	ND	50		µg/L	5	7/7/2010 1:03:22 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Chlorobenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Chloroethane	ND	10		µg/L	5	7/7/2010 1:03:22 AM
Chloroform	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Chloromethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
2-Chlorotoluene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
4-Chlorotoluene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
cis-1,2-DCE	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	7/7/2010 1:03:22 AM
Dibromochloromethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Dibromomethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
2,2-Dichloropropane	ND	10		µg/L	5	7/7/2010 1:03:22 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
2-Hexanone	ND	50		µg/L	5	7/7/2010 1:03:22 AM
Isopropylbenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	7/7/2010 1:03:22 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	1006A29	**Collection Date:**	6/28/2010 2:13:00 PM
Project:	2010-Quarterly Pilot Eff	**Date Received:**	6/29/2010
Lab ID:	1006A29-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Methylene Chloride	ND	15		µg/L	5	7/7/2010 1:03:22 AM
n-Butylbenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
n-Propylbenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
sec-Butylbenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Styrene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
tert-Butylbenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	7/7/2010 1:03:22 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
trans-1,2-DCE	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	7/7/2010 1:03:22 AM
Vinyl chloride	ND	5.0		µg/L	5	7/7/2010 1:03:22 AM
Xylenes, Total	ND	7.5		µg/L	5	7/7/2010 1:03:22 AM
Surr: 1,2-Dichloroethane-d4	94.6	73.1-133		%REC	5	7/7/2010 1:03:22 AM
Surr: 4-Bromofluorobenzene	107	82.9-140		%REC	5	7/7/2010 1:03:22 AM
Surr: Dibromofluoromethane	110	79.2-119		%REC	5	7/7/2010 1:03:22 AM
Surr: Toluene-d8	106	84.4-118		%REC	5	7/7/2010 1:03:22 AM

Qualifiers:

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1006A29
Lab ID: B10062791-001
Client Sample ID: 1006A29-01C, 01E, 01F, Pilot Effluent

Report Date: 07/13/10
Collection Date: 06/28/10 14:13
DateReceived: 06/30/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	462	mg/L	D	30		E410.4	07/02/10 10:00 / bls
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	07/01/10 21:36 / tao
METALS, TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	07/10/10 00:30 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1006A29
Lab ID: B10062791-002
Client Sample ID: 1006A29-02A, Pilot Effluent

Report Date: 07/13/10
Collection Date: 06/29/10 09:20
DateReceived: 06/30/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	400	mg/L		2		A5210 B	06/30/10 16:07 / brh

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

QA/QC Summary Report

Client: Hall Environmental
Project: 1006A29

Report Date: 07/13/10
Work Order: B10062791

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A5210 B								Batch: 100630_1_BOD5-W	
Sample ID: GGA1_100630	Laboratory Control Sample				Run: DO_METER_100630A			06/30/10 09:35	
Oxygen Demand, Biochemical (BOD)	190	mg/L	2.0	95	85	115			
Sample ID: B10062643-001ADUP	Sample Duplicate				Run: DO_METER_100630A			06/30/10 11:08	
Oxygen Demand, Biochemical (BOD)	88	mg/L	2.0				7.5	10	
Sample ID: MBLK1_100630	Method Blank				Run: DO_METER_100630A			06/30/10 11:10	
Oxygen Demand, Biochemical (BOD)	0.2	mg/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1006A29

Report Date: 07/13/10
Work Order: B10062791

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Batch: R150151
Sample ID: MB-R150151	Method Blank				Run: SPEC_100702A				07/02/10 10:00
Oxygen Demand, Chemical (COD)	ND	mg/L	5						
Sample ID: LCS-R150151	Laboratory Control Sample				Run: SPEC_100702A				07/02/10 10:00
Oxygen Demand, Chemical (COD)	86.6	*mg/L*	5.0	104	90	110			
Sample ID: B10062666-001BMS	Sample Matrix Spike				Run: SPEC_100702A				07/02/10 10:00
Oxygen Demand, Chemical (COD)	25.8	mg/L	5.0	106	90	110			
Sample ID: B10062666-001BMSD	Sample Matrix Spike Duplicate				Run: SPEC_100702A				07/02/10 10:00
Oxygen Demand, Chemical (COD)	25.0	*mg/L*	5.0	102	90	110	3.1	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: SPEC_100702A				07/02/10 10:00
Oxygen Demand, Chemical (COD)	26.0	mg/L	5.0	107	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1006A29

Report Date: 07/13/10
Work Order: B10062791

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_100701A	
Sample ID: ICSA-ME091229B	Interference Check Sample A								07/01/10 10:55
Uranium	1.40E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 100	Interference Check Sample AB								07/01/10 10:59
Uranium	4.00E-06	mg/L	0.00030		0	0			
Sample ID: QCS - 100607A,100420A	Initial Calibration Verification Standard								07/01/10 11:11
Uranium	0.0197	mg/L	0.00030	99	90	110			
Method: SW6020								Batch: R150036	
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS202-B_100701A				07/01/10 12:45
Uranium	0.0497	mg/L	0.00030	99	85	115			
Sample ID: B10062791-001ADIL	Serial Dilution				Run: ICPMS202-B_100701A				07/01/10 21:40
Uranium	0.000200	mg/L	0.0010		0	0			N
Sample ID: B10062791-001AMS	Sample Matrix Spike				Run: ICPMS202-B_100701A				07/01/10 21:44
Uranium	0.0521	mg/L	0.0010	104	75	125			
Sample ID: B10062791-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_100701A				07/01/10 21:48
Uranium	0.0507	mg/L	0.0010	101	75	125	2.7	20	
Sample ID: LRB	Method Blank				Run: ICPMS202-B_100701A				07/01/10 14:35
Uranium	5E-05	mg/L	2E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Hall Environmental
Project: 1006A29

Report Date: 07/13/10
Work Order: B10062791

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS203-B_100709A	
Sample ID: ICSA-ME091229B	Interference Check Sample A								07/09/10 15:03
Uranium	3.30E-05	mg/L	0.00030						
Sample ID: QCS-100607A,100420A,1	Initial Calibration Verification Standard								07/09/10 15:19
Uranium	0.0192	mg/L	0.00030	96	90	110			
Sample ID: ICSAB-ME091229B,0910	Interference Check Sample AB								07/09/10 15:26
Uranium	8.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: 47427
Sample ID: MB-47427	Method Blank				Run: ICPMS203-B_100709A				07/10/10 00:12
Uranium	4E-05	mg/L	4E-06						
Sample ID: LCS5-47427	Laboratory Control Sample				Run: ICPMS203-B_100709A				07/10/10 00:16
Uranium	0.548	mg/L	0.0010	110	85	115			
Sample ID: B10062791-001BDIL	Serial Dilution				Run: ICPMS203-B_100709A				07/10/10 00:34
Uranium	0.00116	mg/L	0.0010		0	0	4.1	10	
Sample ID: B10062791-001BMS5	Sample Matrix Spike				Run: ICPMS203-B_100709A				07/10/10 00:39
Uranium	0.601	mg/L	0.0010	120	75	125			
Sample ID: B10062791-001BMSD5	Sample Matrix Spike Duplicate				Run: ICPMS203-B_100709A				07/10/10 00:43
Uranium	0.593	mg/L	0.0010	118	75	125	1.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010-Quarterly Pilot Eff **Work Order:** 1006A29

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-22878		*MBLK*				Batch ID:	**22878**	Analysis Date:	7/1/2010 2:23:19 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-22878		*LCS*				Batch ID:	**22878**	Analysis Date:	7/1/2010 2:57:30 PM		
Diesel Range Organics (DRO)	5.857	mg/L	1.0	5	0	117	74	157			
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R39641**	Analysis Date:	7/4/2010 2:10:05 PM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R39641**	Analysis Date:	7/5/2010 12:05:37 AM		
Gasoline Range Organics (GRO)	0.5168	mg/L	0.050	0.5	0	103	77.8	124			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010-Quarterly Pilot Eff **Work Order:** 1006A29

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39674**		Analysis Date:	7/6/2010 9:10:29 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010-Quarterly Pilot Eff **Work Order:** 1006A29

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R39674**	Analysis Date:	7/6/2010 9:10:29 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R39674**	Analysis Date:	7/6/2010 10:06:40 AM		
Benzene	22.37	µg/L	1.0	20	0	112	78.2	118			
Toluene	21.64	µg/L	1.0	20	0	108	90.2	127			
Chlorobenzene	23.14	µg/L	1.0	20	0	116	90.6	122			
1,1-Dichloroethene	24.85	µg/L	1.0	20	0	124	75.3	143			
Trichloroethene (TCE)	19.01	µg/L	1.0	20	0	95.0	69.4	113			
Method: EPA Method 7470: Mercury											
Sample ID: MB-22919		*MBLK*				Batch ID:	**22919**	Analysis Date:	7/6/2010 5:02:28 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-22919		*LCS*				Batch ID:	**22919**	Analysis Date:	7/6/2010 5:04:12 PM		
Mercury	0.004990	mg/L	0.00020	0.005	0	99.8	80	120			
Sample ID: LCS-22919		*LCS*				Batch ID:	**22919**	Analysis Date:	7/6/2010 5:05:56 PM		
Mercury	0.005090	mg/L	0.00020	0.005	0	102	80	120	1.99	0	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010-Quarterly Pilot Eff **Work Order:** 1006A29

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R39587**	Analysis Date:	7/1/2010 11:58:24 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Sample ID: MB		*MBLK*				Batch ID:	**R39597**	Analysis Date:	7/1/2010 3:03:21 PM		
Selenium	ND	mg/L	0.050								
Sample ID: MB		*MBLK*				Batch ID:	**R39823**	Analysis Date:	7/14/2010 2:37:01 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sample ID: LCS		*LCS*				Batch ID:	**R39587**	Analysis Date:	7/1/2010 12:01:20 PM		
Arsenic	0.5193	mg/L	0.020	0.5	0	104	80	120			
Barium	0.4880	mg/L	0.020	0.5	0	97.6	80	120			
Cadmium	0.4922	mg/L	0.0020	0.5	0	98.4	80	120			
Chromium	0.4979	mg/L	0.0060	0.5	0	99.6	80	120			
Copper	0.5079	mg/L	0.0060	0.5	0	102	80	120			
Iron	0.5138	mg/L	0.020	0.5	0	103	80	120			
Lead	0.4922	mg/L	0.0050	0.5	0	98.4	80	120			
Manganese	0.4826	mg/L	0.0020	0.5	0	96.5	80	120			
Silver	0.4922	mg/L	0.0050	0.5	0	98.4	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R39597**	Analysis Date:	7/1/2010 3:05:41 PM		
Selenium	0.4809	mg/L	0.050	0.5	0	96.2	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R39823**	Analysis Date:	7/14/2010 2:39:55 PM		
Arsenic	0.5216	mg/L	0.020	0.5	0	104	80	120			
Barium	0.4956	mg/L	0.020	0.5	0	99.1	80	120			
Cadmium	0.5124	mg/L	0.0020	0.5	0	102	80	120			
Chromium	0.5081	mg/L	0.0060	0.5	0	102	80	120			
Copper	0.5226	mg/L	0.0060	0.5	0	105	80	120			
Iron	0.5054	mg/L	0.020	0.5	0	101	80	120			
Lead	0.4958	mg/L	0.0050	0.5	0	99.2	80	120			
Manganese	0.4919	mg/L	0.0020	0.5	0	98.4	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010-Quarterly Pilot Eff **Work Order:** 1006A29

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R39823**	Analysis Date:	7/14/2010 2:39:55 PM		
Selenium	0.5094	mg/L	0.050	0.5	0	102	80	120			
Silver	0.5191	mg/L	0.0050	0.5	0	104	80	120			
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-22859		*MBLK*				Batch ID:	**22859**	Analysis Date:	7/1/2010 9:07:56 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: MB-22859		*MBLK*				Batch ID:	**22859**	Analysis Date:	7/1/2010 2:58:35 PM		
Selenium	ND	mg/L	0.050								
Sample ID: LCS-22859		*LCS*				Batch ID:	**22859**	Analysis Date:	7/1/2010 9:10:53 AM		
Arsenic	0.5088	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4777	mg/L	0.020	0.5	0	95.5	80	120			
Cadmium	0.4731	mg/L	0.0020	0.5	0	94.6	80	120			
Chromium	0.4920	mg/L	0.0060	0.5	0	98.4	80	120			
Copper	0.5217	mg/L	0.0060	0.5	0	104	80	120			
Iron	0.4958	mg/L	0.050	0.5	0	99.2	80	120			
Lead	0.4733	mg/L	0.0050	0.5	0	94.7	80	120			
Manganese	0.4765	mg/L	0.0020	0.5	0.0002	95.3	80	120			
Silver	0.4949	mg/L	0.0050	0.5	0.0006	98.9	80	120			
Zinc	0.4792	mg/L	0.020	0.5	0	95.8	80	120			
Sample ID: LCS-22859		*LCS*				Batch ID:	**22859**	Analysis Date:	7/1/2010 3:00:57 PM		
Selenium	0.4945	mg/L	0.050	0.5	0	98.9	80	120			
Sample ID: LCS-22859		*LCS*				Batch ID:	**22859**	Analysis Date:	7/9/2010 6:25:00 PM		
Arsenic	0.4942	mg/L	0.020	0.5	0	98.8	80	120			
Barium	0.4669	mg/L	0.020	0.5	0	93.4	80	120			
Cadmium	0.4750	mg/L	0.0020	0.5	0	95.0	80	120			
Chromium	0.4800	mg/L	0.0060	0.5	0	96.0	80	120			
Lead	0.4651	mg/L	0.0050	0.5	0	93.0	80	120			
Selenium	0.4853	mg/L	0.050	0.5	0	97.1	80	120			
Silver	0.4886	mg/L	0.0050	0.5	0	97.7	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 6/29/2010

Work Order Number 1006A29 | Received by: TLS

Sample ID labels checked by: KMS (Initials)

Checklist completed by: _____ 6/29/10 (Signature / Date)

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**3.3°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

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

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 2010 - Quarterly - Pilot Eff.
Project #:
Project Manager: Cheryl Johnson
Sampler: CJohnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 3.3

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1006429	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss.	COD	BOD	Air Bubbles (Y or N)
6/28/10	1413	H2O	Pilot Effluent	3-40ml	HCl	-1			X													
"	"	"	"	3-40ml	HCl	-1										X						
"	"	"	"	2-500ml	HNO3	-1												X				
"	"	"	"	2-125ml	HNO3	-1													X			
"	"	"	"	1-250ml	H_2SO_4	-1														X		
6/29/10	0920			1-500ml	None	* -2 6/29/10															X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/29/10	1325				
6/29/10	1325		6/29/10		1325

Remarks: *Caution: Samples may Contain Bio hazards.

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.

Pilot Eff

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, October 08, 2010

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

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

RE: 3rd Qtr 2010

Order No.: 1009838

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 9/17/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1009838	**Collection Date:**	9/16/2010 10:21:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	7.7	1.0		mg/L	1	9/21/2010 2:19:06 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2010 2:19:06 AM
Surr: DNOP	125	86.9-151		%REC	1	9/21/2010 2:19:06 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.71	0.050		mg/L	1	9/28/2010 5:36:34 PM
Surr: BFB	854	79.9-117	S	%REC	1	9/28/2010 5:36:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	2.9	1.0		mg/L	10	9/27/2010 2:58:34 PM
Chloride	1400	100		mg/L	200	9/28/2010 8:05:49 AM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	9/30/2010 1:23:19 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	9/27/2010 2:58:34 PM
Sulfate	48	5.0		mg/L	10	9/27/2010 2:58:34 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:24:28 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.12	0.10		mg/L	5	10/1/2010 1:36:50 PM
Barium	1.2	0.10		mg/L	5	10/1/2010 1:36:50 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 1:32:53 PM
Calcium	310	5.0		mg/L	5	10/1/2010 1:36:50 PM
Chromium	ND	0.0060		mg/L	1	10/1/2010 1:32:53 PM
Copper	0.0087	0.0060		mg/L	1	10/1/2010 1:32:53 PM
Iron	15	0.40		mg/L	20	10/4/2010 1:07:27 PM
Lead	0.0086	0.0050		mg/L	1	10/1/2010 1:32:53 PM
Magnesium	76	1.0		mg/L	1	10/1/2010 1:32:53 PM
Manganese	2.9	0.010		mg/L	5	10/1/2010 1:36:50 PM
Potassium	2.8	1.0		mg/L	1	10/1/2010 1:32:53 PM
Selenium	ND	0.25		mg/L	5	10/1/2010 1:36:50 PM
Silver	ND	0.0050		mg/L	1	10/1/2010 1:32:53 PM
Sodium	1200	20		mg/L	20	10/4/2010 1:07:27 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	0.12	0.020		mg/L	1	9/30/2010 9:33:09 PM
Barium	0.87	0.020		mg/L	1	9/30/2010 9:33:09 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 9:33:09 PM
Chromium	ND	0.0060		mg/L	1	9/30/2010 9:33:09 PM
Copper	0.0098	0.0060		mg/L	1	9/30/2010 9:33:09 PM
Iron	15	1.0		mg/L	20	10/4/2010 1:01:55 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1009838	**Collection Date:**	9/16/2010 10:21:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Lead	0.012	0.0050		mg/L	1	9/30/2010 9:33:09 PM
Manganese	2.9	0.010		mg/L	5	10/1/2010 12:45:38 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 9:33:09 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 9:33:09 PM
Zinc	0.023	0.020		mg/L	1	9/30/2010 9:33:09 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	7.5	1.0		µg/L	1	9/28/2010 3:31:22 PM
Toluene	4.9	1.0		µg/L	1	9/28/2010 3:31:22 PM
Ethylbenzene	6.7	1.0		µg/L	1	9/28/2010 3:31:22 PM
Methyl tert-butyl ether (MTBE)	53	1.5		µg/L	1	9/28/2010 3:31:22 PM
1,2,4-Trimethylbenzene	12	1.0		µg/L	1	9/28/2010 3:31:22 PM
1,3,5-Trimethylbenzene	1.9	1.0		µg/L	1	9/28/2010 3:31:22 PM
Xylenes, Total	30	3.0		µg/L	1	9/28/2010 3:31:22 PM
Surr: 1,2-Dichloroethane-d4	74.4	54.6-141		%REC	1	9/28/2010 3:31:22 PM
Surr: 4-Bromofluorobenzene	91.6	60.1-133		%REC	1	9/28/2010 3:31:22 PM
Surr: Dibromofluoromethane	81.6	78.5-130		%REC	1	9/28/2010 3:31:22 PM
Surr: Toluene-d8	102	79.5-126		%REC	1	9/28/2010 3:31:22 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	1009838	**Collection Date:**	9/16/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/21/2010 2:53:00 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2010 2:53:00 AM
Surr: DNOP	142	86.9-151		%REC	1	9/21/2010 2:53:00 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 6:34:38 PM
Surr: BFB	190	79.9-117	S	%REC	1	9/28/2010 6:34:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.46	0.10		mg/L	1	10/5/2010 6:26:01 AM
Chloride	1400	50		mg/L	100	9/28/2010 8:40:38 AM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	9/30/2010 1:40:43 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	9/27/2010 3:15:59 PM
Sulfate	700	10		mg/L	20	9/28/2010 8:23:13 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Calcium	430	5.0		mg/L	5	10/1/2010 1:44:54 PM
Magnesium	76	1.0		mg/L	1	10/1/2010 1:40:44 PM
Potassium	3.2	1.0		mg/L	1	10/1/2010 1:40:44 PM
Sodium	950	10		mg/L	10	10/4/2010 1:11:53 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	9/28/2010 4:28:06 PM
Toluene	ND	1.0		µg/L	1	9/28/2010 4:28:06 PM
Ethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:28:06 PM
Methyl tert-butyl ether (MTBE)	11	1.5		µg/L	1	9/28/2010 4:28:06 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:28:06 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:28:06 PM
Xylenes, Total	ND	3.0		µg/L	1	9/28/2010 4:28:06 PM
Surr: 1,2-Dichloroethane-d4	82.4	54.6-141		%REC	1	9/28/2010 4:28:06 PM
Surr: 4-Bromofluorobenzene	92.6	60.1-133		%REC	1	9/28/2010 4:28:06 PM
Surr: Dibromofluoromethane	87.9	78.5-130		%REC	1	9/28/2010 4:28:06 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	9/28/2010 4:28:06 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-3
Lab Order:	1009838	**Collection Date:**	9/16/2010 11:14:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	3.7	1.0		mg/L	1	9/21/2010 3:27:06 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2010 3:27:06 AM
Surr: DNOP	126	86.9-151		%REC	1	9/21/2010 3:27:06 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.066	0.050		mg/L	1	9/28/2010 7:03:40 PM
Surr: BFB	178	79.9-117	S	%REC	1	9/28/2010 7:03:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	4.7	1.0		mg/L	10	9/27/2010 3:33:24 PM
Chloride	2000	100		mg/L	200	9/28/2010 9:15:27 AM
Nitrate (As N)+Nitrite (As N)	66	10		mg/L	50	9/30/2010 1:58:07 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	9/27/2010 3:33:24 PM
Sulfate	1500	25		mg/L	50	9/28/2010 8:58:02 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Calcium	540	20		mg/L	20	10/4/2010 1:14:41 PM
Magnesium	120	5.0		mg/L	5	10/1/2010 2:00:37 PM
Potassium	8.2	1.0		mg/L	1	10/1/2010 1:47:52 PM
Sodium	1400	20		mg/L	20	10/4/2010 1:14:41 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	9/28/2010 4:56:25 PM
Toluene	ND	1.0		µg/L	1	9/28/2010 4:56:25 PM
Ethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:56:25 PM
Methyl tert-butyl ether (MTBE)	9.0	1.5		µg/L	1	9/28/2010 4:56:25 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:56:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:56:25 PM
Xylenes, Total	ND	3.0		µg/L	1	9/28/2010 4:56:25 PM
Surr: 1,2-Dichloroethane-d4	83.3	54.6-141		%REC	1	9/28/2010 4:56:25 PM
Surr: 4-Bromofluorobenzene	88.5	60.1-133		%REC	1	9/28/2010 4:56:25 PM
Surr: Dibromofluoromethane	89.1	78.5-130		%REC	1	9/28/2010 4:56:25 PM
Surr: Toluene-d8	98.1	79.5-126		%REC	1	9/28/2010 4:56:25 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PILOT EFF
Lab Order:	1009838	**Collection Date:**	9/16/2010 11:44:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	5.3	1.0		mg/L	1	9/21/2010 4:01:12 AM
Motor Oil Range Organics (MRO)	5.9	5.0		mg/L	1	9/21/2010 4:01:12 AM
Surr: DNOP	136	86.9-151		%REC	1	9/21/2010 4:01:12 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 7:32:35 PM
Surr: BFB	102	79.9-117		%REC	1	9/28/2010 7:32:35 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:26:15 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/1/2010 2:06:12 PM
Barium	0.022	0.020		mg/L	1	10/1/2010 2:06:12 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 2:06:12 PM
Calcium	140	5.0		mg/L	5	10/1/2010 2:10:11 PM
Chromium	ND	0.0060		mg/L	1	10/1/2010 2:06:12 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 2:06:12 PM
Iron	0.30	0.020		mg/L	1	10/1/2010 2:06:12 PM
Lead	ND	0.0050		mg/L	1	10/1/2010 2:06:12 PM
Magnesium	30	1.0		mg/L	1	10/1/2010 2:06:12 PM
Manganese	0.057	0.0020		mg/L	1	10/1/2010 2:06:12 PM
Potassium	18	1.0		mg/L	1	10/1/2010 2:06:12 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 2:06:12 PM
Silver	ND	0.0050		mg/L	1	10/4/2010 1:17:25 PM
Sodium	240	5.0		mg/L	5	10/1/2010 2:10:11 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	1	9/30/2010 9:37:07 PM
Barium	ND	0.10		mg/L	1	9/30/2010 9:37:07 PM
Cadmium	ND	0.010		mg/L	1	9/30/2010 9:37:07 PM
Chromium	ND	0.030		mg/L	1	9/30/2010 9:37:07 PM
Copper	ND	0.030		mg/L	1	9/30/2010 9:37:07 PM
Iron	3.2	0.25		mg/L	1	9/30/2010 9:37:07 PM
Lead	ND	0.025		mg/L	1	9/30/2010 9:37:07 PM
Manganese	0.14	0.010		mg/L	1	9/30/2010 9:37:07 PM
Selenium	ND	0.25		mg/L	1	9/30/2010 9:37:07 PM
Silver	ND	0.025		mg/L	1	9/30/2010 9:37:07 PM
Zinc	0.69	0.10		mg/L	1	9/30/2010 9:37:07 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PILOT EFF
Lab Order:	1009838	**Collection Date:**	9/16/2010 11:44:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	9/28/2010 5:24:38 PM
Toluene	ND	1.0		µg/L	1	9/28/2010 5:24:38 PM
Ethylbenzene	ND	1.0		µg/L	1	9/28/2010 5:24:38 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	9/28/2010 5:24:38 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 5:24:38 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 5:24:38 PM
Xylenes, Total	ND	3.0		µg/L	1	9/28/2010 5:24:38 PM
Surr: 1,2-Dichloroethane-d4	101	54.6-141		%REC	1	9/28/2010 5:24:38 PM
Surr: 4-Bromofluorobenzene	91.1	60.1-133		%REC	1	9/28/2010 5:24:38 PM
Surr: Dibromofluoromethane	105	78.5-130		%REC	1	9/28/2010 5:24:38 PM
Surr: Toluene-d8	91.9	79.5-126		%REC	1	9/28/2010 5:24:38 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1009838	**Collection Date:**	9/16/2010 10:15:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 8:30:27 PM
Surr: BFB	101	79.9-117		%REC	1	9/28/2010 8:30:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	9/25/2010 2:27:43 AM
Benzene	ND	1.0		µg/L	1	9/25/2010 2:27:43 AM
Toluene	ND	1.0		µg/L	1	9/25/2010 2:27:43 AM
Ethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:27:43 AM
Xylenes, Total	ND	2.0		µg/L	1	9/25/2010 2:27:43 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:27:43 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:27:43 AM
Surr: 4-Bromofluorobenzene	93.4	83.6-151		%REC	1	9/25/2010 2:27:43 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1009838	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 8:59:24 PM
Surr: BFB	100	79.9-117		%REC	1	9/28/2010 8:59:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	9/25/2010 2:58:13 AM
Benzene	ND	1.0		µg/L	1	9/25/2010 2:58:13 AM
Toluene	ND	1.0		µg/L	1	9/25/2010 2:58:13 AM
Ethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:58:13 AM
Xylenes, Total	ND	2.0		µg/L	1	9/25/2010 2:58:13 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:58:13 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:58:13 AM
Surr: 4-Bromofluorobenzene	92.8	83.6-151		%REC	1	9/25/2010 2:58:13 AM

Qualifiers:

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009838
Lab ID: B10091857-001
Client Sample ID 1009838-01C-1E, GWM-1

Report Date: 09/28/10
Collection Date: 09/16/10 10:21
DateReceived: 09/21/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.010	mg/L		0.001		SW6020	09/22/10 20:02 / jjw
METALS, TOTAL							
Uranium	0.015	mg/L		0.001		SW6020	09/24/10 16:30 / jjw

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

LABORATORY ANALYTICAL REPORT

Client:	Hall Environmental	**Report Date:**	09/28/10
Project:	1009838	**Collection Date:**	09/16/10 11:44
Lab ID:	B10091857-002	**DateReceived:**	09/21/10
Client Sample ID	1009838-04C-4E, Pilot EFF	**Matrix:**	Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	09/22/10 20:39 / jjw
METALS, TOTAL							
Uranium	0.005	mg/L		0.001		SW6020	09/24/10 16:38 / jjw

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

QA/QC Summary Report

Client: Hall Environmental
Project: 1009838

Report Date: 09/28/10
Work Order: B10091857

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_100922A	
Sample ID: QCS - 100607A,100726A,	Initial Calibration Verification Standard								09/22/10 11:26
Uranium	0.0184	mg/L	0.00030	92	90	110			
Sample ID: ICSA-ME091229B	Interference Check Sample A								09/22/10 11:30
Uranium	2.30E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 1001	Interference Check Sample AB								09/22/10 11:34
Uranium	5.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: R154275
Sample ID: B10091857-001BMS	Sample Matrix Spike				Run: ICPMS202-B_100922A				09/22/10 20:06
Uranium	0.271	mg/L	0.0010	104	75	125			
Sample ID: B10091857-001BMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_100922A				09/22/10 20:27
Uranium	0.268	mg/L	0.0010	103	75	125	1.1	20	
Sample ID: B10091857-002BDIL	Serial Dilution				Run: ICPMS202-B_100922A				09/22/10 20:43
Uranium	0.00105	mg/L	0.0010		0	0			N
Sample ID: LRB	Method Blank				Run: ICPMS202-B_100922A				09/22/10 12:03
Uranium	ND	mg/L	2E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS202-B_100922A				09/22/10 12:07
Uranium	0.0467	mg/L	0.00030	93	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009838

Report Date: 09/28/10
Work Order: B10091857

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_100924A	
Sample ID: QCS - 100607A,100726A,	Initial Calibration Verification Standard							09/24/10 10:34	
Uranium	0.0184	mg/L	0.00030	92	90	110			
Sample ID: ICSA-ME091229B	Interference Check Sample A							09/24/10 10:38	
Uranium	2.20E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 1001	Interference Check Sample AB							09/24/10 10:42	
Uranium	6.00E-06	mg/L	0.00030		0	0			
Method: SW6020								Batch: 49247	
Sample ID: MB-49247	Method Blank				Run: ICPMS202-B_100924A			09/24/10 16:26	
Uranium	ND	mg/L	2E-05						
Sample ID: B10091857-001ADIL	Serial Dilution				Run: ICPMS202-B_100924A			09/24/10 16:34	
Uranium	0.0132	mg/L	0.0010		0	0	11	10	R
Sample ID: LCS-49247	Laboratory Control Sample				Run: ICPMS202-B_100924A			09/24/10 17:19	
Uranium	0.505	mg/L	0.0010	101	85	115			
Sample ID: B10091857-001AMS3	Sample Matrix Spike				Run: ICPMS202-B_100924A			09/24/10 17:22	
Uranium	0.553	mg/L	0.0010	108	75	125			
Sample ID: B10091857-001AMSD3	Sample Matrix Spike Duplicate				Run: ICPMS202-B_100924A			09/24/10 17:26	
Uranium	0.549	mg/L	0.0010	107	75	125	0.8	20	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41215**	Analysis Date:	9/27/2010 10:37:25 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41215**	Analysis Date:	9/28/2010 12:50:34 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41342**	Analysis Date:	10/4/2010 7:59:12 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R41215**	Analysis Date:	9/27/2010 10:54:50 AM		
Fluoride	0.4651	mg/L	0.10	0.5	0	93.0	90	110			
Chloride	4.689	mg/L	0.50	5	0	93.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.394	mg/L	0.20	3.5	0	97.0	90	110			
Phosphorus, Orthophosphate (As P)	4.698	mg/L	0.50	5	0	94.0	90	110			
Sulfate	9.643	mg/L	0.50	10	0	96.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R41215**	Analysis Date:	9/28/2010 1:07:58 AM		
Fluoride	0.5355	mg/L	0.10	0.5	0	107	90	110			
Chloride	4.966	mg/L	0.50	5	0	99.3	90	110			
Nitrate (As N)+Nitrite (As N)	3.608	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	4.999	mg/L	0.50	5	0	100	90	110			
Sulfate	10.18	mg/L	0.50	10	0	102	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23826		*MBLK*				Batch ID:	**23826**	Analysis Date:	9/20/2010 5:47:41 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23826		*LCS*				Batch ID:	**23826**	Analysis Date:	9/20/2010 6:21:47 PM		
Diesel Range Organics (DRO)	5.766	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-23826		*LCSD*				Batch ID:	**23826**	Analysis Date:	9/20/2010 6:55:54 PM		
Diesel Range Organics (DRO)	5.825	mg/L	1.0	5	0	116	74	157	1.01	23	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 9:19:52 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 11:51:28 AM	
Gasoline Range Organics (GRO)	0.4892	mg/L	0.050	0.5	0	97.8	89.5	122			
Method: EPA Method 8021B: Volatiles											
Sample ID: 1009838-02A MSD		*MSD*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 7:54:26 PM	
Methyl tert-butyl ether (MTBE)	31.33	µg/L	2.5	20	16.6	73.7	55.6	139	24.0	20.9	R
Benzene	20.44	µg/L	1.0	20	0.168	101	87.7	108	1.29	13.8	
Toluene	18.86	µg/L	1.0	20	0	94.3	84.2	115	3.03	17.1	
Ethylbenzene	19.67	µg/L	1.0	20	0.146	97.6	81.3	115	0.679	15.3	
Xylenes, Total	60.44	µg/L	2.0	60	0	101	83	118	1.15	13	
1,2,4-Trimethylbenzene	21.46	µg/L	1.0	20	0.988	102	77.1	114	2.41	6.57	
1,3,5-Trimethylbenzene	21.88	µg/L	1.0	20	0.254	108	88.4	115	2.52	7.92	
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 9:19:52 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 12:21:46 PM	
Methyl tert-butyl ether (MTBE)	19.26	µg/L	2.5	20	0	96.3	75.5	124			
Benzene	20.03	µg/L	1.0	20	0.162	99.3	84.7	118			
Toluene	19.03	µg/L	1.0	20	0	95.1	82	123			
Ethylbenzene	19.52	µg/L	1.0	20	0.22	96.5	83	118			
Xylenes, Total	60.57	µg/L	2.0	60	0	101	85.4	119			
1,2,4-Trimethylbenzene	21.00	µg/L	1.0	20	0	105	82.1	113			
1,3,5-Trimethylbenzene	21.49	µg/L	1.0	20	0	107	89.6	119			
Sample ID: 1009838-02A MS		*MS*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 7:24:07 PM	
Methyl tert-butyl ether (MTBE)	39.89	µg/L	2.5	20	16.6	116	55.6	139			
Benzene	20.71	µg/L	1.0	20	0.168	103	87.7	108			
Toluene	19.44	µg/L	1.0	20	0	97.2	84.2	115			
Ethylbenzene	19.81	µg/L	1.0	20	0.146	98.3	81.3	115			
Xylenes, Total	61.14	µg/L	2.0	60	0	102	83	118			
1,2,4-Trimethylbenzene	21.99	µg/L	1.0	20	0.988	105	77.1	114			
1,3,5-Trimethylbenzene	22.43	µg/L	1.0	20	0.254	111	88.4	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260: Volatiles Short List											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R41224**	Analysis Date:	9/28/2010 10:20:13 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41224**	Analysis Date:	9/28/2010 11:16:49 AM		
Benzene	18.49	µg/L	1.0	20	0	92.4	82.4	116			
Toluene	20.32	µg/L	1.0	20	0	102	89.5	123			
Method: EPA Method 7470: Mercury											
Sample ID: MB-23924		*MBLK*				Batch ID:	**23924**	Analysis Date:	9/28/2010 3:13:51 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23924		*LCS*				Batch ID:	**23924**	Analysis Date:	9/28/2010 4:04:18 PM		
Mercury	0.005268	mg/L	0.00020	0.005	2E-05	105	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R41319**	Analysis Date:	10/1/2010 12:30:48 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID:	**R41319**	Analysis Date:	10/1/2010 12:33:38 PM		
Ars[redacted]	0.4908	mg/L	0.020	0.5	0	98.2	80	120			
Bar[redacted]	0.4717	mg/L	0.020	0.5	0	94.3	80	120			
Cadmium	0.4799	mg/L	0.0020	0.5	0	96.0	80	120			
Calcium	50.19	mg/L	1.0	50.5	0.0311	99.3	80	120			
Chromium	0.4771	mg/L	0.0060	0.5	0	95.4	80	120			
Copper	0.5044	mg/L	0.0060	0.5	0	101	80	120			
Iron	0.4726	mg/L	0.020	0.5	0	94.5	80	120			
Lead	0.4787	mg/L	0.0050	0.5	0	95.7	80	120			
Magnesium	50.70	mg/L	1.0	50.5	0.0319	100	80	120			
Manganese	0.4664	mg/L	0.0020	0.5	0	93.3	80	120			
Potassium	52.97	mg/L	1.0	55	0.0703	96.2	80	120			
Selenium	0.4723	mg/L	0.050	0.5	0	94.5	80	120			
Silver	0.4782	mg/L	0.0050	0.5	0.0003	95.6	80	120			
Sodium	53.62	mg/L	1.0	50.5	0.042	106	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23852		*MBLK*				**Batch ID: 23852**		**Analysis Date:**		**9/22/2010 6:48:30 PM**	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sample ID: MB-23852		*MBLK*				**Batch ID: 23852**		**Analysis Date:**		**9/23/2010 6:16:57 PM**	
Zinc	ND	mg/L	0.020								
Sample ID: MB-23852		*MBLK*				**Batch ID: 23852**		**Analysis Date:**		**9/30/2010 8:29:17 PM**	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23852		*LCS*				**Batch ID: 23852**		**Analysis Date:**		**9/22/2010 6:51:30 PM**	
Arsenic	0.5211	mg/L	0.020	0.5	0	104	80	120			
Barium	0.4876	mg/L	0.020	0.5	0	97.5	80	120			
Cadmium	0.5046	mg/L	0.0020	0.5	0	101	80	120			
Chromium	0.4962	mg/L	0.0060	0.5	0	99.2	80	120			
Copper	0.5375	mg/L	0.0060	0.5	0.0010	107	80	120			
Iron	0.4809	mg/L	0.050	0.5	0	96.2	80	120			
Lead	0.4914	mg/L	0.0050	0.5	0	98.3	80	120			
Manganese	0.4866	mg/L	0.0020	0.5	0	97.3	80	120			
Selenium	0.5024	mg/L	0.050	0.5	0	100	80	120			
Silver	0.5086	mg/L	0.0050	0.5	0.0003	102	80	120			
Sample ID: LCS-23852		*LCS*				**Batch ID: 23852**		**Analysis Date:**		**9/23/2010 6:19:45 PM**	
Arsenic	0.5127	mg/L	0.020	0.5	0	103	80	120	1.63	0	
Barium	0.4876	mg/L	0.020	0.5	0	97.5	80	120	0.0167	0	
Cadmium	0.5044	mg/L	0.0020	0.5	0	101	80	120	0.0373	0	
Chromium	0.4981	mg/L	0.0060	0.5	0	99.6	80	120	0.394	0	
Lead	0.4879	mg/L	0.0050	0.5	0	97.6	80	120	0.709	0	
Selenium	0.5052	mg/L	0.050	0.5	0	101	80	120	0.572	0	
Silver	0.5054	mg/L	0.0050	0.5	0.0003	101	80	120	0.622	0	

Qualifiers:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: LCS-23852		*LCS*				Batch ID:	**23852**	Analysis Date:		9/23/2010 6:19:45 PM	
Zinc	0.4795	mg/L	0.020	0.5	0	95.9	80	120	0.493	0	
Sample ID: LCS-23852		*LCS*				Batch ID:	**23852**	Analysis Date:		9/30/2010 8:41:50 PM	
Arsenic	0.4869	mg/L	0.020	0.5	0	97.4	80	120			
Barium	0.4921	mg/L	0.020	0.5	0	98.4	80	120			
Cadmium	0.4887	mg/L	0.0020	0.5	0	97.7	80	120			
Chromium	0.5021	mg/L	0.0060	0.5	0	100	80	120			
Copper	0.5801	mg/L	0.0060	0.5	0.0033	115	80	120			
Iron	0.4937	mg/L	0.050	0.5	0	98.7	80	120			
Lead	0.4804	mg/L	0.0050	0.5	0	96.1	80	120			
Manganese	0.4914	mg/L	0.0020	0.5	0	98.3	80	120			
Selenium	0.4606	mg/L	0.050	0.5	0	92.1	80	120			
Silver	0.5093	mg/L	0.0050	0.5	0.0015	102	80	120			
Zinc	0.4665	mg/L	0.020	0.5	0	93.3	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 9/17/2010

Work Order Number 1009838 | Received by: AMG

Checklist completed by: Signature 9/17/10 Date | Sample ID labels checked by: TS Initials

Matrix: | Carrier name ~~UPS~~ FedEx @ 9/17

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	0.1°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 8

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Preserved samples 1009838-01B, 01C, 01E w/ HNO_3 for acceptable ph. @ 9/17/10
poured off & filtered 02 & 03 for diss cations @ 9/20/10

Corrective Action _____

Chain-of-Custody Record

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

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 3rd QTR 2010
Project #: GWM wells
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 0.1

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No 1009838	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)	Total Dissolved Metals	Major Cations, Anions			Air Bubbles (Y or N)
9/6/10	1021	H2O	GWM-1			1	X		X									X	X			
	1048		GWM-2			2	X		X										X			
	1114		GWM-3			3	X		X										X			
	1144		Pilot Eff *			4	X		X									X				
9/6/10	1015		Field Blank			5																
			Trip Blank			6																

Date: 9/6/10 Time: 1430 Relinquished by:
Date: Time: Relinquished by:
Received by: Ashley M Gallegos Date: 9/7/10 Time: 8:55

Remarks: * may contain biohazards.

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, April 06, 2010

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

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

RE: 2010 1st Qtr

Order No.: 1003286

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 3/11/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

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

Hall Environmental Analysis Laboratory, Inc. **Date:** *06-Apr-10*

CLIENT: Western Refining Southwest, Gallup
Project: 2010 1st Qtr
Lab Order: 1003286

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_W, SAMPLE 1003286-01A: necessary dilution due to DRO contamination

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1003286	**Collection Date:**	3/9/2010 1:44:00 PM
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	190	10		mg/L	10	3/16/2010 8:38:24 AM
Motor Oil Range Organics (MRO)	ND	50		mg/L	10	3/16/2010 8:38:24 AM
Surr: DNOP	87.6	58-140		%REC	10	3/16/2010 8:38:24 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	1.0		mg/L	20	3/12/2010 6:00:29 PM
Surr: BFB	111	55.2-107	S	%REC	20	3/12/2010 6:00:29 PM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	130	5.0		mg/L	50	3/29/2010 7:36:59 PM
Chloride	280	25		mg/L	50	3/29/2010 7:36:59 PM
Bromide	1.6	1.0		mg/L	10	4/2/2010 5:35:37 PM
Nitrate (As N)+Nitrite (As N)	7.4	1.0		mg/L	5	4/1/2010 10:07:03 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	3/29/2010 7:19:34 PM
Sulfate	870	25		mg/L	50	3/29/2010 7:36:59 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Acenaphthylene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Aniline	150	50		µg/L	1	3/12/2010 5:51:23 PM
Anthracene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Azobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benz(a)anthracene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benzo(a)pyrene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benzoic acid	ND	100		µg/L	1	3/12/2010 5:51:23 PM
Benzyl alcohol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Butyl benzyl phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Carbazole	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Chloroaniline	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2-Chloronaphthalene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2-Chlorophenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	3/12/2010 5:51:23 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1003286	**Collection Date:**	3/9/2010 1:44:00 PM
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Chrysene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Di-n-butyl phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Di-n-octyl phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Dibenzofuran	ND	50		µg/L	1	3/12/2010 5:51:23 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Diethyl phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Dimethyl phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2,4-Dichlorophenol	ND	100		µg/L	1	3/12/2010 5:51:23 PM
2,4-Dimethylphenol	240	50		µg/L	1	3/12/2010 5:51:23 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	3/12/2010 5:51:23 PM
2,4-Dinitrophenol	ND	100		µg/L	1	3/12/2010 5:51:23 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Fluoranthene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Fluorene	55	50		µg/L	1	3/12/2010 5:51:23 PM
Hexachlorobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Hexachlorobutadiene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Hexachloroethane	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Isophorone	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2-Methylnaphthalene	180	50		µg/L	1	3/12/2010 5:51:23 PM
2-Methylphenol	1200	250		µg/L	5	3/13/2010 3:04:23 PM
3+4-Methylphenol	2700	250		µg/L	5	3/13/2010 3:04:23 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	3/12/2010 5:51:23 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	3/12/2010 5:51:23 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Naphthalene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2-Nitroaniline	ND	50		µg/L	1	3/12/2010 5:51:23 PM
3-Nitroaniline	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Nitroaniline	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Nitrobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2-Nitrophenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Nitrophenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Pentachlorophenol	ND	100		µg/L	1	3/12/2010 5:51:23 PM
Phenanthrene	150	50		µg/L	1	3/12/2010 5:51:23 PM
Phenol	4800	250		µg/L	5	3/13/2010 3:04:23 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1003286
Project: 2010 1st Qtr
Lab ID: 1003286-01

Client Sample ID: AL2 to EP1
Collection Date: 3/9/2010 1:44:00 PM
Date Received: 3/11/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Pyrene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Pyridine	ND	50		µg/L	1	3/12/2010 5:51:23 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Surr: 2,4,6-Tribromophenol	71.4	16.6-150		%REC	1	3/12/2010 5:51:23 PM
Surr: 2-Fluorobiphenyl	78.1	19.6-134		%REC	1	3/12/2010 5:51:23 PM
Surr: 2-Fluorophenol	56.7	9.54-113		%REC	1	3/12/2010 5:51:23 PM
Surr: 4-Terphenyl-d14	72.4	22.7-145		%REC	1	3/12/2010 5:51:23 PM
Surr: Nitrobenzene-d5	75.4	14.6-134		%REC	1	3/12/2010 5:51:23 PM
Surr: Phenol-d5	52.3	10.7-80.3		%REC	1	3/12/2010 5:51:23 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Toluene	11	5.0		µg/L	5	3/19/2010 12:32:58 PM
Ethylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2,4-Trimethylbenzene	19	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Naphthalene	45	10		µg/L	5	3/19/2010 12:32:58 PM
1-Methylnaphthalene	210	20		µg/L	5	3/19/2010 12:32:58 PM
2-Methylnaphthalene	340	20		µg/L	5	3/19/2010 12:32:58 PM
Acetone	1700	200		µg/L	20	3/19/2010 10:42:42 PM
Bromobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Bromoform	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Bromomethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
2-Butanone	ND	50		µg/L	5	3/19/2010 12:32:58 PM
Carbon disulfide	ND	50		µg/L	5	3/19/2010 12:32:58 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Chlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Chloroethane	ND	10		µg/L	5	3/19/2010 12:32:58 PM
Chloroform	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Chloromethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/19/2010 12:32:58 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1003286	**Collection Date:**	3/9/2010 1:44:00 PM
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Dibromochloromethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Dibromomethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/19/2010 12:32:58 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
2-Hexanone	ND	50		µg/L	5	3/19/2010 12:32:58 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/19/2010 12:32:58 PM
Methylene Chloride	ND	15		µg/L	5	3/19/2010 12:32:58 PM
n-Butylbenzene	5.0	5.0		µg/L	5	3/19/2010 12:32:58 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Styrene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/19/2010 12:32:58 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/19/2010 12:32:58 PM
Vinyl chloride	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Xylenes, Total	13	7.5		µg/L	5	3/19/2010 12:32:58 PM
Surr: 1,2-Dichloroethane-d4	102	54.6-141		%REC	5	3/19/2010 12:32:58 PM
Surr: 4-Bromofluorobenzene	129	60.1-133		%REC	5	3/19/2010 12:32:58 PM
Surr: Dibromofluoromethane	110	78.5-130		%REC	5	3/19/2010 12:32:58 PM
Surr: Toluene-d8	112	79.5-126		%REC	5	3/19/2010 12:32:58 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1003286	**Collection Date:**	3/9/2010 1:44:00 PM
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
EPA METHOD 9067: TOTAL PHENOLICS						Analyst: **SCC**
Phenolics, Total Recoverable	30000	2500		µg/L	10	3/15/2010

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1003286	**Collection Date:**	
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Toluene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Ethylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Naphthalene	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 4:14:43 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 4:14:43 PM
Acetone	ND	10		µg/L	1	3/19/2010 4:14:43 PM
Bromobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Bromoform	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Bromomethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
2-Butanone	ND	10		µg/L	1	3/19/2010 4:14:43 PM
Carbon disulfide	ND	10		µg/L	1	3/19/2010 4:14:43 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Chlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Chloroethane	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
Chloroform	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Chloromethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Dibromomethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: Trip Blank
Lab Order: 1003286
Collection Date:
Project: 2010 1st Qtr
Date Received: 3/11/2010
Lab ID: 1003286-02
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	3/19/2010 4:14:43 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/19/2010 4:14:43 PM
Methylene Chloride	ND	3.0		µg/L	1	3/19/2010 4:14:43 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Styrene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
Vinyl chloride	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Xylenes, Total	ND	1.5		µg/L	1	3/19/2010 4:14:43 PM
Surr: 1,2-Dichloroethane-d4	109	54.6-141		%REC	1	3/19/2010 4:14:43 PM
Surr: 4-Bromofluorobenzene	107	60.1-133		%REC	1	3/19/2010 4:14:43 PM
Surr: Dibromofluoromethane	113	78.5-130		%REC	1	3/19/2010 4:14:43 PM
Surr: Toluene-d8	107	79.5-126		%REC	1	3/19/2010 4:14:43 PM

Qualifiers:

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

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100312009
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003286
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100312009-001	**Sampling Date**	3/9/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003286-01D / AL2 TO EP1	**Sampling Time**	1:44 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	0.00961	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Barium	0.0968	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Cadmium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Chromium	0.0392	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Copper	0.0374	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Iron	19.6	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Lead	0.00965	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Manganese	0.476	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Mercury	0.000478	mg/L	0.0001	3/23/2010	CAS	EPA 7470A	
Selenium	0.0164	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Silver	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Uranium	0.00167	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Zinc	0.584	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

Anatek Labs, Inc.

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

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100312009
Project Name: 1003286

Analytical Results Report

Sample Number	100312009-003	**Sampling Date**	3/9/2010	**Date/Time Received**	3/12/2010	10:45 AM	
Client Sample ID	1003286-01F / AL2 TO EP1	**Sampling Time**	1:44 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00667	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Barium	0.0305	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Cadmium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Calcium	35.3	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Chromium	0.0188	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Copper	0.00728	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Iron	12.1	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Dissolved Lead	0.00377	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Magnesium	10.7	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Manganese	0.456	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Potassium	58.2	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Selenium	0.00977	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Sodium	678	mg/L	1	3/30/2010	ETL	EPA 6010B	
Dissolved Uranium	ND	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Zinc	0.340	mg/L	0.001	3/22/2010	JTT	EPA 6020A	

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Proj 2010 1st Qtr
Work Order: 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R37981**	Analysis Date:	3/29/2010 3:15:51 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R37981**	Analysis Date:	3/30/2010 9:15:17 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R38030**	Analysis Date:	4/1/2010 11:38:13 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulf	ND	mg/L	0.50								
Sam ID: MB		*MBLK*				Batch ID:	**R38030**	Analysis Date:	4/2/2010 12:38:3		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R38038**	Analysis Date:	4/1/2010 11:38:21 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R37981**	Analysis Date:	3/29/2010 3:33:15 PM		
Fluoride	0.5243	mg/L	0.10	0.5	0	105	90	110			
Chloride	4.921	mg/L	0.50	5	0	98.4	90	110			
Bromide	2.481	mg/L	0.10	2.5	0	99.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.479	mg/L	0.20	3.5	0	99.4	90	110			
Phosphorus, Orthophosphate (As P)	4.972	mg/L	0.50	5	0	99.4	90	110			
Sulfate	10.19	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37981**	Analysis Date:	3/30/2010 9:32:41 AM		
Fluoride	0.5260	mg/L	0.10	0.5	0	105	90	110			
Chloride	4.993	mg/L	0.50	5	0	99.9	90	110			
Bromide	2.526	mg/L	0.10	2.5	0	101	90	110			

Qu rs:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
2010 1st Qtr

Work Order: 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID: **R37981**		Analysis Date: 3/30/2010 9:32:41 AM			
Nitrate (As N)+Nitrite (As N)	3.534	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.087	mg/L	0.50	5	0	102	90	110			
Sulfate	10.38	mg/L	0.50	10	0	104	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R38030**		Analysis Date: 4/1/2010 11:55:38 AM			
Fluoride	0.5045	mg/L	0.10	0.5	0	101	90	110			
Chloride	4.738	mg/L	0.50	5	0	94.8	90	110			
Bromide	2.400	mg/L	0.10	2.5	0	96.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.369	mg/L	0.20	3.5	0	96.3	90	110			
Phosphorus, Orthophosphate (As P)	4.802	mg/L	0.50	5	0	96.0	90	110			
Sulfate	9.818	mg/L	0.50	10	0	98.2	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R38030**		Analysis Date: 4/2/2010 12:55:57 AM			
Fluoride	0.5196	mg/L	0.10	0.5	0	104	90	110			
Chloride	4.958	mg/L	0.50	5	0	99.2	90	110			
Bromide	2.509	mg/L	0.10	2.5	0	100	90	110			
Nitrate (As N)+Nitrite (As N)	3.516	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	5.014	mg/L	0.50	5	0	100	90	110			
Sulfate	10.29	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R38038**		Analysis Date: 4/1/2010 11:55:46 AM			
Fluoride	0.4958	mg/L	0.10	0.5	0	99.2	90	110			
Chloride	4.715	mg/L	0.50	5	0	94.3	90	110			
Phosphorus, Orthophosphate (As P)	4.809	mg/L	0.50	5	0	96.2	90	110			
Sulfate	9.788	mg/L	0.50	10	0	97.9	90	110			
Method: EPA Method 9067: Total Phenolics											
Sample ID: MB-21649/21653		*MBLK*				Batch ID: **21653**		Analysis Date: 3/15/2010			
Phenolics, Total Recoverable	ND	µg/L	2.5								
Sample ID: LCS-21649/21653		*LCS*				Batch ID: **21653**		Analysis Date: 3/15/2010			
Phenolics, Total Recoverable	18.90	µg/L	2.5	20	0	94.5	64	114			
Sample ID: LCSD-21649/21653		*LCSD*				Batch ID: **21653**		Analysis Date: 3/15/2010			
Phenolics, Total Recoverable	17.54	µg/L	2.5	20	0	87.7	64	114	7.49	20	
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21634		*MBLK*				Batch ID: **21634**		Analysis Date: 3/15/2010 6:42:26 PM			
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21634		*LCS*				Batch ID: **21634**		Analysis Date: 3/15/2010 7:18:54 PM			
Diesel Range Organics (DRO)	6.196	mg/L	1.0	5	0	124	74	157			
Sample ID: LCSD-21634		*LCSD*				Batch ID: **21634**		Analysis Date: 3/16/2010 4:27:33 PM			
Diesel Range Organics (DRO)	6.293	mg/L	1.0	5	0	126	74	157	1.55	23	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr
Work Order: 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID: **R37748**		Analysis Date:		3/12/2010 9:55:03 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID: **R37748**		Analysis Date:		3/12/2010 7:31:35 PM	
Gasoline Range Organics (GRO)	0.4932	mg/L	0.050	0.5	0	98.6	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID: **R37748**		Analysis Date:		3/12/2010 8:02:01 PM	
Gasoline Range Organics (GRO)	0.4780	mg/L	0.050	0.5	0	95.6	80	115	3.13	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Pro[illegible] 2010 1st Qtr
Work Order: 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R37849**		Analysis Date: 3/19/2010 8:46:56 AM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chl[illegible]benzene	ND	µg/L	1.0								
Ch[illegible]ane	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr
Work Order: 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
				Batch ID: **R37849**			Analysis Date:		3/19/2010 8:46:56 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xyl) Total	ND	µg/L	1.5								
Sample ID: b9		*MBLK*									
				Batch ID: **R37849**			Analysis Date:		3/19/2010 10:15:04 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								

Qu)rs:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b9		*MBLK*									
				Batch ID: **R37849**				Analysis Date: 3/19/2010 10:15:04 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: b11		*MBLK*									
				Batch ID: **R37849**				Analysis Date: 3/20/2010 9:18:53 AM			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr
Work Order: 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b11		*MBLK*					Batch ID: **R37849**		Analysis Date:	3/20/2010 9:18:53 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Prc [redacted] 2010 1st Qtr
Work Order: 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b11		*MBLK*				Batch ID: **R37849**		Analysis Date: 3/20/2010 9:18:53 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								
Xyl[redacted]otal	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID: **R37849**		Analysis Date: 3/19/2010 10:10:25 AM			
Benzene	18.63	µg/L	1.0	20	0	93.2	76.7	114			
Toluene	21.09	µg/L	1.0	20	0	105	78.4	117			
Chlorobenzene	19.83	µg/L	1.0	20	0	99.2	80.7	127			
1,1-Dichloroethene	21.84	µg/L	1.0	20	0	109	80.2	128			
Trichloroethene (TCE)	19.23	µg/L	1.0	20	0	96.2	77.4	115			
Sample ID: 100ng lcs_b		*LCS*				Batch ID: **R37849**		Analysis Date: 3/19/2010 9:47:18 PM			
Benzene	20.28	µg/L	1.0	20	0	101	76.7	114			
Toluene	21.02	µg/L	1.0	20	0	105	78.4	117			
Chlorobenzene	20.63	µg/L	1.0	20	0	103	80.7	127			
1,1-Dichloroethene	24.12	µg/L	1.0	20	0	121	80.2	128			
Trichloroethene (TCE)	18.77	µg/L	1.0	20	0	93.9	77.4	115			

Q[redacted]:

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

QA/QC SUMMARY REPORT

lient: Western Refining Southwest, Gallup
ro 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ethod: EPA Method 8270C: Semivolatiles											
ample ID: mb-21624		*MBLK*				Batch ID:	**21624**	Analysis Date:	3/12/2010 11:48:02 AM		
cenaphthene	ND	µg/L	10								
cenaphthylene	ND	µg/L	10								
niline	ND	µg/L	10								
nthracene	ND	µg/L	10								
zobenzene	ND	µg/L	10								
enz(a)anthracene	ND	µg/L	10								
enzo(a)pyrene	ND	µg/L	10								
enzo(b)fluoranthene	ND	µg/L	10								
enzo(g,h,i)perylene	ND	µg/L	10								
enzo(k)fluoranthene	ND	µg/L	10								
enzoic acid	ND	µg/L	20								
enzyl alcohol	ND	µg/L	10								
is(2-chloroethoxy)methane	ND	µg/L	10								
is(2-chloroethyl)ether	ND	µg/L	10								
s(2-chloroisopropyl)ether	ND	µg/L	10								
is(2-ethylhexyl)phthalate	ND	µg/L	10								
Bromophenyl phenyl ether	ND	µg/L	10								
utyl benzyl phthalate	ND	µg/L	10								
arbazole	ND	µg/L	10								
Chl-3-methylphenol	ND	µg/L	10								
Ci niline	ND	µg/L	10								
Chloronaphthalene	ND	µg/L	10								
Chlorophenol	ND	µg/L	10								
Chlorophenyl phenyl ether	ND	µg/L	10								
hrysene	ND	µg/L	10								
i-n-butyl phthalate	ND	µg/L	10								
i-n-octyl phthalate	ND	µg/L	10								
ibenz(a,h)anthracene	ND	µg/L	10								
ibenzofuran	ND	µg/L	10								
2-Dichlorobenzene	ND	µg/L	5.0								
3-Dichlorobenzene	ND	µg/L	10								
4-Dichlorobenzene	ND	µg/L	5.0								
3'-Dichlorobenzidine	ND	µg/L	10								
iethyl phthalate	ND	µg/L	10								
imethyl phthalate	ND	µg/L	10								
4-Dichlorophenol	ND	µg/L	20								
4-Dimethylphenol	ND	µg/L	10								
6-Dinitro-2-methylphenol	ND	µg/L	20								
4-Dinitrophenol	ND	µg/L	5.0								
4-Dinitrotoluene	ND	µg/L	5.0								
6-Dinitrotoluene	ND	µg/L	10								
uoranthene	ND	µg/L	10								
uorene	ND	µg/L	10								
exachlorobenzene	ND	µg/L	5.0								

)a /s:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Pro[illegible] 2010 1st Qtr
Work Order: 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21624		*MBLK*					Batch ID: **21624**		Analysis Date: 3/12/2010 11:48:02 AM		
lexachlorobutadiene	ND	µg/L	10								
lexachlorocyclopentadiene	ND	µg/L	10								
lexachloroethane	ND	µg/L	5.0								
ıdeno(1,2,3-cd)pyrene	ND	µg/L	10								
sophorone	ND	µg/L	10								
-Methylnaphthalene	ND	µg/L	10								
-Methylphenol	ND	µg/L	5.0								
+4-Methylphenol	ND	µg/L	5.0								
l-Nitrosodi-n-propylamine	ND	µg/L	10								
l-Nitrosodimethylamine	ND	µg/L	10								
l-Nitrosodiphenylamine	ND	µg/L	10								
laphthalene	ND	µg/L	10								
-Nitroaniline	ND	µg/L	10								
-Nitroaniline	ND	µg/L	10								
-Nitroaniline	ND	µg/L	10								
litrobenzene	ND	µg/L	5.0								
-Nitrophenol	ND	µg/L	10								
-Nitrophenol	ND	µg/L	10								
entachlorophenol	ND	µg/L	5.0								
henanthrene	ND	µg/L	10								
he[illegible]	ND	µg/L	10								
yrene	ND	µg/L	10								
yridine	ND	µg/L	5.0								
,2,4-Trichlorobenzene	ND	µg/L	10								
,4,5-Trichlorophenol	ND	µg/L	10								
,4,6-Trichlorophenol	ND	µg/L	10								

Qu[illegible]

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/11/2010**

W)rder Number **1003286** Received by: ARS

Checklist completed by: _____ 3/11/10 Sample ID labels checked by: (N) Initials

Signature Date

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
W)pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**3.8°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 10

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

)ctive Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2010 1ST QTR

Project #: AL2 to EPI

Project Manager: G Rajen

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.8

HEAL No: 1003259

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type
3/9/10	1344	H2O	AL2 to EPI	1L Amber	None
				1L Amber	H_2SO_4
				40ml-3	HCl
				40ml-3	HCl
				125ml-2	HNO_3
				500ml-2	HNO_3
				250ml-1	None
				125ml-1	H_2SO_4
			TRIP Blank		

Analysis Request

HEAL No	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Phenols	WQCC Metals, Diss	WQCC Metals, Total	Major Cations/Anions	Air Bubbles (Y or N)
1003259											X					
												X				
			X													
										X						
													X			
														X		
															X	
															X	

Date: 3/9/10 Time: 1416 Relinquished by: _____

Received by: _____ Date: 3/11/10 Time: 10:35

Date: _____ Time: _____ Relinquished by: _____

Received by: _____ Date: _____ Time: _____

Remarks:

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

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.

Napis Eff AL2 to EP.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, June 28, 2010

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

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

RE: 2nd Qtr Effluents

Order No.: 1006379

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 6/10/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

475 Nogis
1993 to Eff.

Hall Environmental Analysis Laboratory, Inc. **Date:** *28-Jun-10*

CLIENT: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents
Lab Order: 1006379

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_W, SAMPLE 1006379-03A: Surrogate "S" flag due to matrix interference.

ll Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluents
Lab Order:	1006379	**Collection Date:**	6/8/2010 9:52:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	150	3.0		mg/L	1	6/18/2010 9:52:08 AM
Motor Oil Range Organics (MRO)	16	15		mg/L	1	6/18/2010 9:52:08 AM
Surr: DNOP	122	86.9-151		%REC	1	6/18/2010 9:52:08 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	58	5.0		mg/L	100	6/17/2010 3:37:45 PM
Surr: BFB	106	55.2-107		%REC	100	6/17/2010 3:37:45 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	37	1.0		mg/L	10	6/26/2010 7:33:16 AM
Chloride	230	25		mg/L	50	6/26/2010 7:50:41 AM
Bromide	1.6	1.0		mg/L	10	6/26/2010 7:33:16 AM
Nitrate (As N)+Nitrite (As N)	4.2	1.0		mg/L	5	6/28/2010 6:31:57 AM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	6/26/2010 7:33:16 AM
Sulfate	880	25		mg/L	50	6/26/2010 7:50:41 AM
A METHOD 7470: MERCURY						Analyst: **IC**
Mercury	0.0014	0.00020		mg/L	1	6/15/2010 4:58:19 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 6:32:49 PM
Barium	0.035	0.020		mg/L	1	6/15/2010 6:32:49 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 6:32:49 PM
Calcium	35	1.0		mg/L	1	6/17/2010 11:38:28 AM
Chromium	ND	0.0060		mg/L	1	6/15/2010 6:32:49 PM
Copper	ND	0.0060		mg/L	1	6/15/2010 6:32:49 PM
Iron	4.6	0.20		mg/L	10	6/17/2010 11:45:26 AM
Lead	ND	0.0050		mg/L	1	6/15/2010 6:32:49 PM
Magnesium	10	1.0		mg/L	1	6/17/2010 11:38:28 AM
Manganese	0.094	0.0020		mg/L	1	6/15/2010 6:32:49 PM
Potassium	10	1.0		mg/L	1	6/17/2010 11:38:28 AM
Selenium	ND	0.050		mg/L	1	6/15/2010 6:32:49 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 6:32:49 PM
Sodium	730	10		mg/L	10	6/17/2010 11:45:26 AM
Zinc	0.051	0.050		mg/L	1	6/15/2010 6:32:49 PM
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 4:46:37 PM
Barium	0.072	0.020		mg/L	1	6/15/2010 4:46:37 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 4:46:37 PM
Calcium	35	1.0		mg/L	1	6/15/2010 4:46:37 PM

ualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluents
Lab Order:	1006379	**Collection Date:**	6/8/2010 9:52:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Chromium	0.0067	0.0060		mg/L	1	6/15/2010 4:46:37 PM
Copper	0.012	0.0060		mg/L	1	6/15/2010 4:46:37 PM
Iron	7.8	1.0		mg/L	20	6/17/2010 10:27:21 AM
Lead	ND	0.0050		mg/L	1	6/15/2010 4:46:37 PM
Magnesium	10	1.0		mg/L	1	6/15/2010 4:46:37 PM
Manganese	0.10	0.0020		mg/L	1	6/15/2010 4:46:37 PM
Potassium	10	1.0		mg/L	1	6/15/2010 4:46:37 PM
Selenium	ND	0.050		mg/L	1	6/15/2010 4:46:37 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 4:46:37 PM
Sodium	740	20		mg/L	20	6/17/2010 10:27:21 AM
Zinc	0.11	0.050		mg/L	1	6/15/2010 4:46:37 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Acenaphthylene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Aniline	600	50		µg/L	1	6/23/2010 4:31:49 PM
Anthracene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Azobenzene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Benz(a)anthracene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Benzo(a)pyrene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Benzoic acid	ND	100		µg/L	1	6/23/2010 4:31:49 PM
Benzyl alcohol	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	6/23/2010 4:31:49 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Butyl benzyl phthalate	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Carbazole	ND	50		µg/L	1	6/23/2010 4:31:49 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/23/2010 4:31:49 PM
4-Chloroaniline	ND	50		µg/L	1	6/23/2010 4:31:49 PM
2-Chloronaphthalene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
2-Chlorophenol	ND	50		µg/L	1	6/23/2010 4:31:49 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Chrysene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Di-n-butyl phthalate	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Di-n-octyl phthalate	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	6/23/2010 4:31:49 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluents
Lab Order:	1006379	**Collection Date:**	6/8/2010 9:52:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Dibenzofuran	85	50		µg/L	1	6/23/2010 4:31:49 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Diethyl phthalate	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Dimethyl phthalate	ND	50		µg/L	1	6/23/2010 4:31:49 PM
2,4-Dichlorophenol	ND	100		µg/L	1	6/23/2010 4:31:49 PM
2,4-Dimethylphenol	710	50		µg/L	1	6/23/2010 4:31:49 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/23/2010 4:31:49 PM
2,4-Dinitrophenol	ND	100		µg/L	1	6/23/2010 4:31:49 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Fluoranthene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Fluorene	210	50		µg/L	1	6/23/2010 4:31:49 PM
Hexachlorobenzene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Hexachlorobutadiene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Hexachloroethane	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Isophorone	ND	50		µg/L	1	6/23/2010 4:31:49 PM
2-Methylnaphthalene	4400	500		µg/L	10	6/23/2010 5:32:04 PM
2-Methylphenol	3100	500		µg/L	10	6/23/2010 5:32:04 PM
3+4-Methylphenol	5600	500		µg/L	10	6/23/2010 5:32:04 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	6/23/2010 4:31:49 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	6/23/2010 4:31:49 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Naphthalene	890	50		µg/L	1	6/23/2010 4:31:49 PM
2-Nitroaniline	ND	50		µg/L	1	6/23/2010 4:31:49 PM
3-Nitroaniline	ND	50		µg/L	1	6/23/2010 4:31:49 PM
4-Nitroaniline	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Nitrobenzene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
2-Nitrophenol	ND	50		µg/L	1	6/23/2010 4:31:49 PM
4-Nitrophenol	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Pentachlorophenol	ND	100		µg/L	1	6/23/2010 4:31:49 PM
Phenanthrene	990	50		µg/L	1	6/23/2010 4:31:49 PM
Phenol	12000	500		µg/L	10	6/23/2010 5:32:04 PM
Pyrene	100	50		µg/L	1	6/23/2010 4:31:49 PM
Pyridine	ND	50		µg/L	1	6/23/2010 4:31:49 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	6/23/2010 4:31:49 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/23/2010 4:31:49 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluents
Lab Order:	1006379	**Collection Date:**	6/8/2010 9:52:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/23/2010 4:31:49 PM
Surr: 2,4,6-Tribromophenol	19.2	16.6-150		%REC	1	6/23/2010 4:31:49 PM
Surr: 2-Fluorobiphenyl	47.8	19.6-134		%REC	1	6/23/2010 4:31:49 PM
Surr: 2-Fluorophenol	17.2	9.54-113		%REC	1	6/23/2010 4:31:49 PM
Surr: 4-Terphenyl-d14	59.3	22.7-145		%REC	1	6/23/2010 4:31:49 PM
Surr: Nitrobenzene-d5	86.6	14.6-134		%REC	1	6/23/2010 4:31:49 PM
Surr: Phenol-d5	39.8	10.7-80.3		%REC	1	6/23/2010 4:31:49 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	1500	50		µg/L	50	6/11/2010 6:43:09 PM
Toluene	6000	500		µg/L	500	6/11/2010 6:15:54 PM
Ethylbenzene	670	50		µg/L	50	6/11/2010 6:43:09 PM
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,2,4-Trimethylbenzene	670	50		µg/L	50	6/11/2010 6:43:09 PM
1,3,5-Trimethylbenzene	220	50		µg/L	50	6/11/2010 6:43:09 PM
1,2-Dichloroethane (EDC)	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,2-Dibromoethane (EDB)	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Naphthalene	250	100		µg/L	50	6/11/2010 6:43:09 PM
1-Methylnaphthalene	240	200		µg/L	50	6/11/2010 6:43:09 PM
2-Methylnaphthalene	450	200		µg/L	50	6/11/2010 6:43:09 PM
Acetone	ND	500		µg/L	50	6/11/2010 6:43:09 PM
Bromobenzene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Bromodichloromethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Bromoform	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Bromomethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
2-Butanone	ND	500		µg/L	50	6/11/2010 6:43:09 PM
Carbon disulfide	ND	500		µg/L	50	6/11/2010 6:43:09 PM
Carbon Tetrachloride	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Chlorobenzene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Chloroethane	ND	100		µg/L	50	6/11/2010 6:43:09 PM
Chloroform	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Chloromethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
2-Chlorotoluene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
4-Chlorotoluene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
cis-1,2-DCE	ND	50		µg/L	50	6/11/2010 6:43:09 PM
cis-1,3-Dichloropropene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,2-Dibromo-3-chloropropane	ND	100		µg/L	50	6/11/2010 6:43:09 PM
Dibromochloromethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Dibromomethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,2-Dichlorobenzene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,3-Dichlorobenzene	ND	50		µg/L	50	6/11/2010 6:43:09 PM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1006379
Project: 2nd Qtr Effluents
Lab ID: 1006379-01

Client Sample ID: NAPIS Effluents
Collection Date: 6/8/2010 9:52:00 AM
Date Received: 6/10/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,4-Dichlorobenzene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Dichlorodifluoromethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,1-Dichloroethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,1-Dichloroethene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,2-Dichloropropane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,3-Dichloropropane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
2,2-Dichloropropane	ND	100		µg/L	50	6/11/2010 6:43:09 PM
1,1-Dichloropropene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Hexachlorobutadiene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
2-Hexanone	ND	500		µg/L	50	6/11/2010 6:43:09 PM
Isopropylbenzene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
4-Isopropyltoluene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
4-Methyl-2-pentanone	ND	500		µg/L	50	6/11/2010 6:43:09 PM
Methylene Chloride	ND	150		µg/L	50	6/11/2010 6:43:09 PM
n-Butylbenzene	62	50		µg/L	50	6/11/2010 6:43:09 PM
n-Propylbenzene	94	50		µg/L	50	6/11/2010 6:43:09 PM
sec-Butylbenzene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Styrene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
tert-Butylbenzene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,1,1,2-Tetrachloroethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,1,2,2-Tetrachloroethane	ND	100		µg/L	50	6/11/2010 6:43:09 PM
Tetrachloroethene (PCE)	ND	50		µg/L	50	6/11/2010 6:43:09 PM
trans-1,2-DCE	ND	50		µg/L	50	6/11/2010 6:43:09 PM
trans-1,3-Dichloropropene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,2,3-Trichlorobenzene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,1,1-Trichloroethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,1,2-Trichloroethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Trichloroethene (TCE)	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Trichlorofluoromethane	ND	50		µg/L	50	6/11/2010 6:43:09 PM
1,2,3-Trichloropropane	ND	100		µg/L	50	6/11/2010 6:43:09 PM
Vinyl chloride	ND	50		µg/L	50	6/11/2010 6:43:09 PM
Xylenes, Total	3800	75		µg/L	50	6/11/2010 6:43:09 PM
Surr: 1,2-Dichloroethane-d4	81.5	54.6-141		%REC	50	6/11/2010 6:43:09 PM
Surr: 4-Bromofluorobenzene	91.7	60.1-133		%REC	50	6/11/2010 6:43:09 PM
Surr: Dibromofluoromethane	83.2	78.5-130		%REC	50	6/11/2010 6:43:09 PM
Surr: Toluene-d8	95.3	79.5-126		%REC	50	6/11/2010 6:43:09 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	3600	0.010		µmhos/cm	1	6/11/2010 5:34:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluents
Lab Order:	1006379	**Collection Date:**	6/8/2010 9:52:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
SM4500-H+B: PH						Analyst: **NSB**
pH	9.04	0.1		pH units	1	6/11/2010 5:34:00 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2-EP1 Effluent
Lab Order:	1006379	**Collection Date:**	6/8/2010 10:18:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	66	3.0		mg/L	1	6/18/2010 10:25:58 AM
Motor Oil Range Organics (MRO)	17	15		mg/L	1	6/18/2010 10:25:58 AM
Surr: DNOP	122	86.9-151		%REC	1	6/18/2010 10:25:58 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.56	0.50		mg/L	10	6/17/2010 4:06:39 PM
Surr: BFB	103	55.2-107		%REC	10	6/17/2010 4:06:39 PM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	0.00082	0.00020		mg/L	1	6/15/2010 5:03:52 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 6:40:11 PM
Barium	0.037	0.020		mg/L	1	6/15/2010 6:40:11 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 6:40:11 PM
Calcium	40	1.0		mg/L	1	6/17/2010 11:48:22 AM
Chromium	0.0089	0.0060		mg/L	1	6/15/2010 6:40:11 PM
Copper	0.0068	0.0060		mg/L	1	6/15/2010 6:40:11 PM
Iron	6.5	0.20		mg/L	10	6/17/2010 11:52:22 AM
Lead	ND	0.0050		mg/L	1	6/15/2010 6:40:11 PM
Magnesium	13	1.0		mg/L	1	6/17/2010 11:48:22 AM
Manganese	0.13	0.0020		mg/L	1	6/15/2010 6:40:11 PM
Potassium	13	1.0		mg/L	1	6/17/2010 11:48:22 AM
Selenium	ND	0.050		mg/L	1	6/15/2010 6:40:11 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 6:40:11 PM
Sodium	850	10		mg/L	10	6/17/2010 11:52:22 AM
Zinc	0.064	0.050		mg/L	1	6/15/2010 6:40:11 PM
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Arsenic	0.023	0.020		mg/L	1	6/15/2010 4:53:43 PM
Barium	0.17	0.020		mg/L	1	6/15/2010 4:53:43 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 4:53:43 PM
Calcium	50	1.0		mg/L	1	6/15/2010 4:53:43 PM
Chromium	0.014	0.0060		mg/L	1	6/15/2010 4:53:43 PM
Copper	0.025	0.0060		mg/L	1	6/15/2010 4:53:43 PM
Iron	16	2.5		mg/L	50	6/17/2010 10:24:57 AM
Lead	0.0063	0.0050		mg/L	1	6/15/2010 4:53:43 PM
Magnesium	14	1.0		mg/L	1	6/15/2010 4:53:43 PM
Manganese	0.15	0.0020		mg/L	1	6/15/2010 4:53:43 PM
Potassium	16	1.0		mg/L	1	6/15/2010 4:53:43 PM
Selenium	ND	0.050		mg/L	1	6/15/2010 4:53:43 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2-EPI Effluent
Lab Order:	1006379	**Collection Date:**	6/8/2010 10:18:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Silver	ND	0.0050		mg/L	1	6/15/2010 4:53:43 PM
Sodium	860	50		mg/L	50	6/17/2010 10:24:57 AM
Zinc	0.33	0.050		mg/L	1	6/15/2010 4:53:43 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Toluene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Ethylbenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Naphthalene	ND	20		µg/L	10	6/14/2010 12:12:21 PM
1-Methylnaphthalene	ND	40		µg/L	10	6/14/2010 12:12:21 PM
2-Methylnaphthalene	ND	40		µg/L	10	6/14/2010 12:12:21 PM
Acetone	290	100		µg/L	10	6/14/2010 12:12:21 PM
Bromobenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Bromodichloromethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Bromoform	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Bromomethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
2-Butanone	ND	100		µg/L	10	6/14/2010 12:12:21 PM
Carbon disulfide	ND	100		µg/L	10	6/14/2010 12:12:21 PM
Carbon Tetrachloride	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Chlorobenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Chloroethane	ND	20		µg/L	10	6/14/2010 12:12:21 PM
Chloroform	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Chloromethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
2-Chlorotoluene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
4-Chlorotoluene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
cis-1,2-DCE	ND	10		µg/L	10	6/14/2010 12:12:21 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	6/14/2010 12:12:21 PM
Dibromochloromethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Dibromomethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Dichlorodifluoromethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,1-Dichloroethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,1-Dichloroethene	ND	10		µg/L	10	6/14/2010 12:12:21 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2-EP1 Effluent
Lab Order:	1006379	**Collection Date:**	6/8/2010 10:18:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,2-Dichloropropane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,3-Dichloropropane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
2,2-Dichloropropane	ND	20		µg/L	10	6/14/2010 12:12:21 PM
1,1-Dichloropropene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Hexachlorobutadiene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
2-Hexanone	ND	100		µg/L	10	6/14/2010 12:12:21 PM
Isopropylbenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
4-Isopropyltoluene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	6/14/2010 12:12:21 PM
Methylene Chloride	ND	30		µg/L	10	6/14/2010 12:12:21 PM
n-Butylbenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
n-Propylbenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
sec-Butylbenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Styrene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
tert-Butylbenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	6/14/2010 12:12:21 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	6/14/2010 12:12:21 PM
trans-1,2-DCE	ND	10		µg/L	10	6/14/2010 12:12:21 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Trichloroethene (TCE)	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Trichlorofluoromethane	ND	10		µg/L	10	6/14/2010 12:12:21 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	6/14/2010 12:12:21 PM
Vinyl chloride	ND	10		µg/L	10	6/14/2010 12:12:21 PM
Xylenes, Total	ND	15		µg/L	10	6/14/2010 12:12:21 PM
Surr: 1,2-Dichloroethane-d4	81.1	54.6-141		%REC	10	6/14/2010 12:12:21 PM
Surr: 4-Bromofluorobenzene	85.7	60.1-133		%REC	10	6/14/2010 12:12:21 PM
Surr: Dibromofluoromethane	87.5	78.5-130		%REC	10	6/14/2010 12:12:21 PM
Surr: Toluene-d8	91.8	79.5-126		%REC	10	6/14/2010 12:12:21 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP1
Lab Order:	1006379	**Collection Date:**	6/8/2010 10:55:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	86	3.0		mg/L	1	6/18/2010 10:59:48 AM
Motor Oil Range Organics (MRO)	19	15		mg/L	1	6/18/2010 10:59:48 AM
Surr: DNOP	121	86.9-151		%REC	1	6/18/2010 10:59:48 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.53	0.25		mg/L	5	6/17/2010 4:35:32 PM
Surr: BFB	114	55.2-107	S	%REC	5	6/17/2010 4:35:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Chloride	230	25		mg/L	50	6/26/2010 7:15:52 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Acenaphthylene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Aniline	130	50		µg/L	1	6/23/2010 5:01:57 PM
Anthracene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Azobenzene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Benz(a)anthracene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Benzo(a)pyrene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Benzoic acid	ND	100		µg/L	1	6/23/2010 5:01:57 PM
Benzyl alcohol	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	6/23/2010 5:01:57 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Butyl benzyl phthalate	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Carbazole	ND	50		µg/L	1	6/23/2010 5:01:57 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/23/2010 5:01:57 PM
4-Chloroaniline	ND	50		µg/L	1	6/23/2010 5:01:57 PM
2-Chloronaphthalene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
2-Chlorophenol	ND	50		µg/L	1	6/23/2010 5:01:57 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Chrysene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Di-n-butyl phthalate	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Di-n-octyl phthalate	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Dibenzofuran	ND	50		µg/L	1	6/23/2010 5:01:57 PM

Qualifiers:

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

all Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP1
Lab Order:	1006379	**Collection Date:**	6/8/2010 10:55:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
1,2-Dichlorobenzene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Diethyl phthalate	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Dimethyl phthalate	ND	50		µg/L	1	6/23/2010 5:01:57 PM
2,4-Dichlorophenol	ND	100		µg/L	1	6/23/2010 5:01:57 PM
2,4-Dimethylphenol	87	50		µg/L	1	6/23/2010 5:01:57 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/23/2010 5:01:57 PM
2,4-Dinitrophenol	ND	100		µg/L	1	6/23/2010 5:01:57 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Fluoranthene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Fluorene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Hexachlorobenzene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Hexachlorobutadiene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Hexachloroethane	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Isophorone	ND	50		µg/L	1	6/23/2010 5:01:57 PM
2-Methylnaphthalene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
2-Methylphenol	210	50		µg/L	1	6/23/2010 5:01:57 PM
3+4-Methylphenol	220	50		µg/L	1	6/23/2010 5:01:57 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	6/23/2010 5:01:57 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	6/23/2010 5:01:57 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Naphthalene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
2-Nitroaniline	ND	50		µg/L	1	6/23/2010 5:01:57 PM
3-Nitroaniline	ND	50		µg/L	1	6/23/2010 5:01:57 PM
4-Nitroaniline	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Nitrobenzene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
2-Nitrophenol	ND	50		µg/L	1	6/23/2010 5:01:57 PM
4-Nitrophenol	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Pentachlorophenol	ND	100		µg/L	1	6/23/2010 5:01:57 PM
Phenanthrene	64	50		µg/L	1	6/23/2010 5:01:57 PM
Phenol	280	50		µg/L	1	6/23/2010 5:01:57 PM
Pyrene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
Pyridine	ND	50		µg/L	1	6/23/2010 5:01:57 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	6/23/2010 5:01:57 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/23/2010 5:01:57 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/23/2010 5:01:57 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP1
Lab Order:	1006379	**Collection Date:**	6/8/2010 10:55:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Surr: 2,4,6-Tribromophenol	64.0	16.6-150		%REC	1	6/23/2010 5:01:57 PM
Surr: 2-Fluorobiphenyl	54.3	19.6-134		%REC	1	6/23/2010 5:01:57 PM
Surr: 2-Fluorophenol	35.3	9.54-113		%REC	1	6/23/2010 5:01:57 PM
Surr: 4-Terphenyl-d14	61.0	22.7-145		%REC	1	6/23/2010 5:01:57 PM
Surr: Nitrobenzene-d5	50.2	14.6-134		%REC	1	6/23/2010 5:01:57 PM
Surr: Phenol-d5	30.8	10.7-80.3		%REC	1	6/23/2010 5:01:57 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Toluene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Ethylbenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,2,4-Trimethylbenzene	5.2	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Naphthalene	ND	10		µg/L	5	6/14/2010 1:09:26 PM
1-Methylnaphthalene	25	20		µg/L	5	6/14/2010 1:09:26 PM
2-Methylnaphthalene	35	20		µg/L	5	6/14/2010 1:09:26 PM
Acetone	330	50		µg/L	5	6/14/2010 1:09:26 PM
Bromobenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Bromodichloromethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Bromoform	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Bromomethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
2-Butanone	ND	50		µg/L	5	6/14/2010 1:09:26 PM
Carbon disulfide	ND	50		µg/L	5	6/14/2010 1:09:26 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Chlorobenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Chloroethane	ND	10		µg/L	5	6/14/2010 1:09:26 PM
Chloroform	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Chloromethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
2-Chlorotoluene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
4-Chlorotoluene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
cis-1,2-DCE	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	6/14/2010 1:09:26 PM
Dibromochloromethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Dibromomethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP1
Lab Order:	1006379	**Collection Date:**	6/8/2010 10:55:00 AM
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Dichlorodifluoromethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
2,2-Dichloropropane	ND	10		µg/L	5	6/14/2010 1:09:26 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
2-Hexanone	ND	50		µg/L	5	6/14/2010 1:09:26 PM
Isopropylbenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	6/14/2010 1:09:26 PM
Methylene Chloride	ND	15		µg/L	5	6/14/2010 1:09:26 PM
n-Butylbenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
n-Propylbenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
sec-Butylbenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Styrene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
tert-Butylbenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	6/14/2010 1:09:26 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
trans-1,2-DCE	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	6/14/2010 1:09:26 PM
Vinyl chloride	ND	5.0		µg/L	5	6/14/2010 1:09:26 PM
Xylenes, Total	ND	7.5		µg/L	5	6/14/2010 1:09:26 PM
Surr: 1,2-Dichloroethane-d4	76.6	54.6-141		%REC	5	6/14/2010 1:09:26 PM
Surr: 4-Bromofluorobenzene	88.7	60.1-133		%REC	5	6/14/2010 1:09:26 PM
Surr: Dibromofluoromethane	82.7	78.5-130		%REC	5	6/14/2010 1:09:26 PM
Surr: Toluene-d8	86.4	79.5-126		%REC	5	6/14/2010 1:09:26 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.79	0.1		pH units	1	6/11/2010 5:47:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1006379	**Collection Date:**	
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Toluene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Ethylbenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Naphthalene	ND	2.0		µg/L	1	6/11/2010 9:32:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/11/2010 9:32:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/11/2010 9:32:47 PM
Acetone	ND	10		µg/L	1	6/11/2010 9:32:47 PM
Bromobenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Bromoform	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Bromomethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
2-Butanone	ND	10		µg/L	1	6/11/2010 9:32:47 PM
Carbon disulfide	ND	10		µg/L	1	6/11/2010 9:32:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Chlorobenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Chloroethane	ND	2.0		µg/L	1	6/11/2010 9:32:47 PM
Chloroform	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Chloromethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/11/2010 9:32:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Dibromomethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/11/2010 9:32:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM

Qualifiers:

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

all Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1006379	**Collection Date:**	
Project:	2nd Qtr Effluents	**Date Received:**	6/10/2010
Lab ID:	1006379-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	6/11/2010 9:32:47 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/11/2010 9:32:47 PM
Methylene Chloride	ND	3.0		µg/L	1	6/11/2010 9:32:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Styrene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/11/2010 9:32:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/11/2010 9:32:47 PM
Vinyl chloride	ND	1.0		µg/L	1	6/11/2010 9:32:47 PM
Xylenes, Total	ND	1.5		µg/L	1	6/11/2010 9:32:47 PM
Surr: 1,2-Dichloroethane-d4	79.1	54.6-141		%REC	1	6/11/2010 9:32:47 PM
Surr: 4-Bromofluorobenzene	94.4	60.1-133		%REC	1	6/11/2010 9:32:47 PM
Surr: Dibromofluoromethane	83.9	78.5-130		%REC	1	6/11/2010 9:32:47 PM
Surr: Toluene-d8	93.6	79.5-126		%REC	1	6/11/2010 9:32:47 PM

Qualifiers:

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1006379
Lab ID: B10061174-001
Client Sample ID 1006379-03D, EP1

Report Date: 06/17/10
Collection Date: 06/08/10 10:55
DateReceived: 06/11/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	550	mg/L	D	50		E410.4	06/16/10 16:30 / klc

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1006379

Report Date: 06/17/10
Work Order: B10061174

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4										Batch: R149210
Sample ID: MB-R149210		Method Blank				Run: SPEC2_100416B				06/16/10 16:30
Oxygen Demand, Chemical (COD)		ND	mg/L	5						
Sample ID: LCS-R149210		Laboratory Control Sample				Run: SPEC2_100416B				06/16/10 16:30
Oxygen Demand, Chemical (COD)		86.4	mg/L	5.0	104	90	110			
Sample ID: LFB		*Laboratory Fortified Blank*				*Run: SPEC2_100416B*				*06/16/10 16:30*
Oxygen Demand, Chemical (COD)		26.8	mg/L	5.0	110	90	110			
Sample ID: B10061504-01BMS		Sample Matrix Spike				Run: SPEC2_100416B				06/16/10 16:30
Oxygen Demand, Chemical (COD)		33.7	mg/L	5.0	105	90	110			
Sample ID: B10061504-001BMSD		Sample Matrix Spike Duplicate				Run: SPEC2_100416B				06/16/10 16:30
Oxygen Demand, Chemical (COD)		33.9	mg/L	5.0	106	90	110	0.6	10	

Qualifiers:

Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R39501**	Analysis Date:		6/25/2010 5:02:49 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R39513**	Analysis Date:		6/27/2010 6:55:35 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R39501**	Analysis Date:		6/25/2010 5:20:14 PM	
Fluoride	0.5321	mg/L	0.10	0.5	0	106	90	110			
Chloride	4.937	mg/L	0.50	5	0	98.7	90	110			
Bromide	2.485	mg/L	0.10	2.5	0	99.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.435	mg/L	0.20	3.5	0	98.1	90	110			
Phosphorus, Orthophosphate (As P)	4.958	mg/L	0.50	5	0	99.2	90	110			
Sulfate	9.820	mg/L	0.50	10	0	98.2	90	110			
Sample ID: LCS-b		*LCS*				Batch ID:	**R39513**	Analysis Date:		6/27/2010 10:24:28 PM	
Fluoride	0.5344	mg/L	0.10	0.5	0	107	90	110			
Chloride	4.765	mg/L	0.50	5	0	95.3	90	110			
Bromide	2.477	mg/L	0.10	2.5	0	99.1	90	110			
Nitrate (As N)+Nitrite (As N)	3.428	mg/L	0.20	3.5	0	98.0	90	110			
Phosphorus, Orthophosphate (As P)	4.925	mg/L	0.50	5	0	98.5	90	110			
Sulfate	9.967	mg/L	0.50	10	0	99.7	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-22630		*MBLK*				Batch ID:	**22630**	Analysis Date:		6/18/2010 7:03:57 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-22630		*LCS*				Batch ID:	**22630**	Analysis Date:		6/18/2010 7:37:16 AM	
Diesel Range Organics (DRO)	5.768	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-22630		*LCSD*				Batch ID:	**22630**	Analysis Date:		6/18/2010 8:10:51 AM	
Diesel Range Organics (DRO)	5.624	mg/L	1.0	5	0	112	74	157	2.52	23	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID: **R39339**		Analysis Date:		6/17/2010 9:39:29 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID: **R39339**		Analysis Date:		6/17/2010 2:39:56 PM	
Gasoline Range Organics (GRO)	0.5426	mg/L	0.050	0.5	0	109	77.8	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID: **R39339**		Analysis Date:		6/17/2010 3:08:50 PM	
Gasoline Range Organics (GRO)	0.5168	mg/L	0.050	0.5	0	103	77.8	124	4.87	10.3	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5mL rb		*MBLK*				Batch ID: **R39246**		Analysis Date:	6/11/2010 9:37:14 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5mL rb		*MBLK*				Batch ID: **R39246**		Analysis Date:	6/11/2010 9:37:14 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-[illegible]ropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39254**		Analysis Date:	6/14/2010 9:46:00 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chl[illegible]rm	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39254**		Analysis Date:	6/14/2010 9:46:00 AM		
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100NG LCS-B		*LCS*				Batch ID: **R39246**		Analysis Date:	6/11/2010 11:30:02 AM		

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100NG LCS-B		*LCS*				Batch ID:	**R39246**	Analysis Date:	6/11/2010 11:30:02 AM		
Benzene	21.24	µg/L	1.0	20	0	106	82.4	116			
Toluene	20.63	µg/L	1.0	20	0	103	89.5	123			
Chlorobenzene	19.76	µg/L	1.0	20	0	98.8	87.8	120			
1,1-Dichloroethene	24.02	µg/L	1.0	20	0	120	90.3	138			
Trichloroethene (TCE)	19.00	µg/L	1.0	20	0	95.0	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R39254**	Analysis Date:	6/14/2010 10:42:24 AM		
Benzene	19.99	µg/L	1.0	20	0	99.9	82.4	116			
Toluene	20.77	µg/L	1.0	20	0	104	89.5	123			
Chlorobenzene	20.45	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	22.44	µg/L	1.0	20	0	112	90.3	138			
Trichloroethene (TCE)	19.11	µg/L	1.0	20	0	95.6	64	129			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-22649		*MBLK*				Batch ID: **22649**		Analysis Date: 6/23/2010 3:00:45 PM			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-22649		*MBLK*				Batch ID:	**22649**	Analysis Date:		6/23/2010 3:00:45 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pent[redacted]ophenol	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-22649		*LCS*				Batch ID:	**22649**	Analysis Date:		6/23/2010 3:31:12 PM	
Acenaphthene	80.44	µg/L	10	100	0	80.4	29.3	113			
4-Chloro-3-methylphenol	136.4	µg/L	10	200	0	68.2	23.3	123			
2-Chlorophenol	142.4	µg/L	10	200	0	71.2	23.9	112			
1,4-Dichlorobenzene	73.00	µg/L	10	100	0	73.0	16.5	106			
2,4-Dinitrotoluene	77.84	µg/L	10	100	0	77.8	27.7	126			
N-Nitrosodi-n-propylamine	68.24	µg/L	10	100	0	68.2	25.9	113			
4-Nitrophenol	91.94	µg/L	10	200	0	46.0	13.2	76.7			
Pentachlorophenol	186.1	µg/L	20	200	0	93.1	22.4	121			
Phenol	72.14	µg/L	10	200	0	36.1	15.3	68.3			
Pyrene	71.70	µg/L	10	100	2.8	68.9	23.5	119			
1,2,4-Trichlorobenzene	76.84	µg/L	10	100	0	76.8	23	107			
Sample ID: lcsd-22649		*LCSD*				Batch ID:	**22649**	Analysis Date:		6/23/2010 4:01:37 PM	
Acenaphthene	83.86	µg/L	10	100	0	83.9	29.3	113	4.16	30.5	
4-Chloro-3-methylphenol	169.6	µg/L	10	200	0	84.8	23.3	123	21.6	28.6	
2-Chlorophenol	144.1	µg/L	10	200	0	72.0	23.9	112	1.19	107	
1,4-Dichlorobenzene	67.98	µg/L	10	100	0	68.0	16.5	106	7.12	62.1	
2,4-[redacted]otoluene	90.38	µg/L	10	100	0	90.4	27.7	126	14.9	14.7	R

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-22649		*LCSD*				Batch ID:	**22649**	Analysis Date:		6/23/2010 4:01:37 PM	
N-Nitrosodi-n-propylamine	72.48	µg/L	10	100	0	72.5	25.9	113	6.03	30.3	
4-Nitrophenol	130.8	µg/L	10	200	0	65.4	13.2	76.7	34.9	36.3	
Pentachlorophenol	193.6	µg/L	20	200	0	96.8	22.4	121	3.94	49	
Phenol	77.48	µg/L	10	200	0	38.7	15.3	68.3	7.14	52.4	
Pyrene	62.34	µg/L	10	100	2.8	59.5	23.5	119	14.0	16.3	
1,2,4-Trichlorobenzene	78.46	µg/L	10	100	0	78.5	23	107	2.09	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-22641		*MBLK*				Batch ID:	**22641**	Analysis Date:		6/15/2010 4:42:02 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-22641		*LCS*				Batch ID:	**22641**	Analysis Date:		6/15/2010 4:43:46 PM	
Mercury	0.005270	mg/L	0.00020	0.005	0	105	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R39277**		Analysis Date: 6/15/2010 3:40:09 PM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: MB		*MBLK*				Batch ID: **R39313**		Analysis Date: 6/17/2010 9:58:18 AM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID: **R39277**		Analysis Date: 6/15/2010 3:43:18 PM			
Arsenic	0.5066	mg/L	0.020	0.5	0	101	80	120			
Barium	0.4994	mg/L	0.020	0.5	0	99.9	80	120			
Cadmium	0.5038	mg/L	0.0020	0.5	0	101	80	120			
Calcium	50.52	mg/L	1.0	50.5	0	100	80	120			
Chromium	0.5029	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5393	mg/L	0.0060	0.5	0.0009	108	80	120			
Iron	0.5210	mg/L	0.020	0.5	0	104	80	120			
Lead	0.5017	mg/L	0.0050	0.5	0	100	80	120			
Magnesium	51.05	mg/L	1.0	50.5	0	101	80	120			
Manganese	0.4955	mg/L	0.0020	0.5	0	99.1	80	120			
Potassium	54.59	mg/L	1.0	55	0	99.3	80	120			
Selenium	0.5250	mg/L	0.050	0.5	0	105	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R39277**	Analysis Date:	6/15/2010 3:43:18 PM		
Silver	0.5128	mg/L	0.0050	0.5	0	103	80	120			
Sodium	54.15	mg/L	1.0	50.5	0	107	80	120			
Zinc	0.4962	mg/L	0.050	0.5	0	99.2	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R39313**	Analysis Date:	6/17/2010 10:01:05 AM		
Arsenic	0.5043	mg/L	0.020	0.5	0	101	80	120			
Barium	0.4713	mg/L	0.020	0.5	0	94.3	80	120			
Cadmium	0.4886	mg/L	0.0020	0.5	0	97.7	80	120			
Calcium	49.15	mg/L	1.0	50.5	0	97.3	80	120			
Chromium	0.4798	mg/L	0.0060	0.5	0	96.0	80	120			
Copper	0.4992	mg/L	0.0060	0.5	0	99.8	80	120			
Iron	0.4878	mg/L	0.020	0.5	0	97.6	80	120			
Lead	0.4875	mg/L	0.0050	0.5	0	97.5	80	120			
Magnesium	49.46	mg/L	1.0	50.5	0	97.9	80	120			
Manganese	0.4685	mg/L	0.0020	0.5	0.0001	93.7	80	120			
Potassium	51.94	mg/L	1.0	55	0	94.4	80	120			
Selenium	0.4898	mg/L	0.050	0.5	0	98.0	80	120			
Silver	0.4889	mg/L	0.0050	0.5	0	97.8	80	120			
Sodium	51.81	mg/L	1.0	50.5	0	103	80	120			
Zinc	0.4822	mg/L	0.050	0.5	0	96.4	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr Effluents **Work Order:** 1006379

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverble Metals											
Sample ID: MB-22623		*MBLK*				Batch ID: **22623**		Analysis Date: 6/15/2010 3:46:26 PM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-22623		*LCS*				Batch ID: **22623**		Analysis Date: 6/15/2010 3:49:37 PM			
Arsenic	0.5208	mg/L	0.020	0.5	0	104	80	120			
Barium	0.5080	mg/L	0.020	0.5	0	102	80	120			
Cadmium	0.5068	mg/L	0.0020	0.5	0.0003	101	80	120			
Calcium	51.61	mg/L	1.0	50	0	103	80	120			
Chromium	0.5167	mg/L	0.0060	0.5	0.001	103	80	120			
Copper	0.5769	mg/L	0.0060	0.5	0.0038	115	80	120			
Iron	0.5466	mg/L	0.050	0.5	0	109	80	120			
Lead	0.5119	mg/L	0.0050	0.5	0	102	80	120			
Magnesium	52.36	mg/L	1.0	50	0	105	80	120			
Manganese	0.5091	mg/L	0.0020	0.5	0	102	80	120			
Potassium	55.62	mg/L	1.0	50	0.0563	111	80	120			
Selenium	0.5104	mg/L	0.050	0.5	0	102	80	120			
Silver	0.5186	mg/L	0.0050	0.5	0.0002	104	80	120			
Sodium	55.48	mg/L	1.0	50	0.06	111	80	120			
Zinc	0.4915	mg/L	0.020	0.5	0.0021	97.9	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **6/10/2010**

Work Order Number **1006379** Received by: **AT**

Checklist completed by: Signature 6/10/10 Date Sample ID labels checked by: Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☐	No ☑		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**3.1°**	*<6° C Acceptable If given sufficient time to cool.*		

Number of preserved bottles checked for pH: 10

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: per CJ do not analyze BOD; will resample/ 6/11/10

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: 2nd QTR Effluents

Project #:

Project Manager: CJohnson

Sampler: CJohnson

On Ice: ☑ Yes ☐ No

Sample Temperature: 5.1°

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1006379	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA) +MTBE	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss	Gen Chem		Air Bubbles (Y or N)
6/8/10	0952	H2O	WAPIS Effluents	3-40ml	HCl	1										X						
				3-40ml	HCl	1			X													
				1-L		1											X					
				2-500ml	HNO3	1												X				
				2-125ml	HNO3	1													X			
				1-125ml	H_2SO_4	1														X		
				1-250ml	None	1														X		
	1018		AL2-EPI Effluent	3-40ml	HCl	2										X						
				3-40ml	HCl	2			X													
				2-500ml	HNO3	2												X				
				2-125ml	HNO3	2													X			
				1-125ml	H_2SO_4															X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/8/10	1310			6/8/10	1020
Date:	Time:	Relinquished by:	Received by:	Date	Time

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

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

Chain-of-Custody Record

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

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 2nd Qtr EFFluents
Project #:
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 3.1/1.9

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1006339	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)	1300 - no BTEX at location	EDD	Chloride, pH		Air Bubbles (Y or N)
6/8/10	1055	H2O	EPI	3-40 ml	HCl	3										X						
				3-40 ml	HCl	3			X													
				1 L	None	3											X					
				500 ml	None	3												X				
				250 ml	H_2SO_4	3													X			
				500 ml	None	3														X		
			Trip Blank			4																

Date: 6/8/10 Time: 1310 Relinquished by:
Received by: Date Time 6/9/10 1000
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.

NAPIS Eff
AL2 to EP-1

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, October 08, 2010

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

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

RE: 3rd Qtr 2010

Order No.: 1009596

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 9/14/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

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

NAPIS EFF
AL3 to EP-1

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFF
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:23:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	39	1.0		mg/L	1	9/20/2010 7:30:00 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/20/2010 7:30:00 PM
Surr: DNOP	123	86.9-151		%REC	1	9/20/2010 7:30:00 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	150	10		mg/L	200	9/16/2010 6:45:14 PM
Surr: BFB	114	79.9-117		%REC	200	9/16/2010 6:45:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	20	2.0		mg/L	20	9/14/2010 6:46:10 PM
Chloride	260	10		mg/L	20	9/14/2010 6:46:10 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	9/14/2010 6:46:10 PM
Nitrogen, Nitrate (As N)	6.3	2.0		mg/L	20	9/14/2010 6:46:10 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	9/14/2010 6:46:10 PM
Sulfate	1300	50		mg/L	100	9/14/2010 7:03:34 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	0.00041	0.00020		mg/L	1	9/24/2010 4:21:15 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/30/2010 7:32:00 PM
Barium	0.085	0.020		mg/L	1	9/30/2010 7:32:00 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 7:32:00 PM
Calcium	60	1.0		mg/L	1	9/30/2010 7:32:00 PM
Chromium	0.080	0.0060		mg/L	1	9/30/2010 7:32:00 PM
Copper	ND	0.0060		mg/L	1	9/30/2010 7:32:00 PM
Iron	3.7	0.10		mg/L	5	9/30/2010 7:35:51 PM
Lead	ND	0.0050		mg/L	1	9/30/2010 7:32:00 PM
Magnesium	14	1.0		mg/L	1	9/30/2010 7:32:00 PM
Manganese	0.14	0.0020		mg/L	1	9/30/2010 7:32:00 PM
Potassium	13	1.0		mg/L	1	9/30/2010 7:32:00 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 7:32:00 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 7:32:00 PM
Sodium	790	10		mg/L	10	10/1/2010 12:36:40 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/29/2010 12:44:11 PM
Barium	0.12	0.020		mg/L	1	9/29/2010 12:44:11 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2010 12:44:11 PM
Chromium	0.16	0.0060		mg/L	1	9/29/2010 12:44:11 PM
Copper	0.014	0.0060		mg/L	1	9/29/2010 12:44:11 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFF
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:23:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Diethyl phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Dimethyl phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2,4-Dichlorophenol	ND	100		µg/L	1	9/22/2010 4:09:29 PM
2,4-Dimethylphenol	360	50		µg/L	1	9/22/2010 4:09:29 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/22/2010 4:09:29 PM
2,4-Dinitrophenol	ND	100		µg/L	1	9/22/2010 4:09:29 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Fluoranthene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Fluorene	76	50		µg/L	1	9/22/2010 4:09:29 PM
Hexachlorobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Hexachlorobutadiene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Hexachloroethane	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Isophorone	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2-Methylnaphthalene	2300	500		µg/L	10	9/22/2010 3:39:27 PM
2-Methylphenol	1800	500		µg/L	10	9/22/2010 3:39:27 PM
3+4-Methylphenol	3700	500		µg/L	10	9/22/2010 3:39:27 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/22/2010 4:09:29 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	9/22/2010 4:09:29 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Naphthalene	2200	500		µg/L	10	9/22/2010 3:39:27 PM
2-Nitroaniline	ND	50		µg/L	1	9/22/2010 4:09:29 PM
3-Nitroaniline	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Nitroaniline	ND	100		µg/L	1	9/22/2010 4:09:29 PM
Nitrobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2-Nitrophenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Nitrophenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Pentachlorophenol	ND	100		µg/L	1	9/22/2010 4:09:29 PM
Phenanthrene	230	50		µg/L	1	9/22/2010 4:09:29 PM
Phenol	4500	500		µg/L	10	9/22/2010 3:39:27 PM
Pyrene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Pyridine	ND	50		µg/L	1	9/22/2010 4:09:29 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Surr: 2,4,6-Tribromophenol	50.2	16.6-150		%REC	1	9/22/2010 4:09:29 PM
Surr: 2-Fluorobiphenyl	66.3	19.6-134		%REC	1	9/22/2010 4:09:29 PM
Surr: 2-Fluorophenol	29.6	9.54-113		%REC	1	9/22/2010 4:09:29 PM
Surr: 4-Terphenyl-d14	64.0	22.7-145		%REC	1	9/22/2010 4:09:29 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFF
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:23:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	9.8	1.0		mg/L	20	9/29/2010 3:18:14 PM
Lead	ND	0.0050		mg/L	1	9/29/2010 12:44:11 PM
Manganese	0.15	0.0020		mg/L	1	9/29/2010 12:44:11 PM
Selenium	ND	0.050		mg/L	1	9/29/2010 12:44:11 PM
Silver	ND	0.0050		mg/L	1	9/29/2010 12:44:11 PM
Zinc	1.2	0.10		mg/L	5	9/29/2010 12:49:49 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Acenaphthene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Acenaphthylene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Aniline	870	50		µg/L	1	9/22/2010 4:09:29 PM
Anthracene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Azobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benz(a)anthracene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benzo(a)pyrene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benzoic acid	ND	100		µg/L	1	9/22/2010 4:09:29 PM
Benzyl alcohol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Butyl benzyl phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Carbazole	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Chloroaniline	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2-Chloronaphthalene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2-Chlorophenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Chrysene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Di-n-butyl phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Di-n-octyl phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Dibenzofuran	ND	50		µg/L	1	9/22/2010 4:09:29 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/22/2010 4:09:29 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFF
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:23:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Surr: Nitrobenzene-d5	62.9	14.6-134		%REC	1	9/22/2010 4:09:29 PM
Surr: Phenol-d5	42.0	10.7-80.3		%REC	10	9/22/2010 3:39:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	12000	500		µg/L	500	9/20/2010 5:41:45 PM
Toluene	30000	500		µg/L	500	9/20/2010 5:41:45 PM
Ethylbenzene	2800	100		µg/L	100	9/20/2010 6:07:51 PM
Methyl tert-butyl ether (MTBE)	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2,4-Trimethylbenzene	3000	100		µg/L	100	9/20/2010 6:07:51 PM
1,3,5-Trimethylbenzene	900	100		µg/L	100	9/20/2010 6:07:51 PM
1,2-Dichloroethane (EDC)	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Naphthalene	560	200		µg/L	100	9/20/2010 6:07:51 PM
1-Methylnaphthalene	ND	400		µg/L	100	9/20/2010 6:07:51 PM
2-Methylnaphthalene	ND	400		µg/L	100	9/20/2010 6:07:51 PM
Acetone	ND	1000		µg/L	100	9/20/2010 6:07:51 PM
Bromobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Bromodichloromethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Bromoform	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Bromomethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
2-Butanone	ND	1000		µg/L	100	9/20/2010 6:07:51 PM
Carbon disulfide	ND	1000		µg/L	100	9/20/2010 6:07:51 PM
Carbon Tetrachloride	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Chlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Chloroethane	ND	200		µg/L	100	9/20/2010 6:07:51 PM
Chloroform	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Chloromethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
2-Chlorotoluene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
4-Chlorotoluene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
cis-1,2-DCE	ND	100		µg/L	100	9/20/2010 6:07:51 PM
cis-1,3-Dichloropropene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	9/20/2010 6:07:51 PM
Dibromochloromethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Dibromomethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2-Dichlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,3-Dichlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,4-Dichlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Dichlorodifluoromethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1-Dichloroethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1-Dichloroethene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2-Dichloropropane	ND	100		µg/L	100	9/20/2010 6:07:51 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFF
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:23:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
1,3-Dichloropropane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
2,2-Dichloropropane	ND	200		µg/L	100	9/20/2010 6:07:51 PM
1,1-Dichloropropene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Hexachlorobutadiene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
2-Hexanone	ND	1000		µg/L	100	9/20/2010 6:07:51 PM
Isopropylbenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
4-Isopropyltoluene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
4-Methyl-2-pentanone	ND	1000		µg/L	100	9/20/2010 6:07:51 PM
Methylene Chloride	ND	300		µg/L	100	9/20/2010 6:07:51 PM
n-Butylbenzene	170	100		µg/L	100	9/20/2010 6:07:51 PM
n-Propylbenzene	370	100		µg/L	100	9/20/2010 6:07:51 PM
sec-Butylbenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Styrene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
tert-Butylbenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	9/20/2010 6:07:51 PM
Tetrachloroethene (PCE)	ND	100		µg/L	100	9/20/2010 6:07:51 PM
trans-1,2-DCE	ND	100		µg/L	100	9/20/2010 6:07:51 PM
trans-1,3-Dichloropropene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1,1-Trichloroethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1,2-Trichloroethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Trichloroethene (TCE)	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Trichlorofluoromethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2,3-Trichloropropane	ND	200		µg/L	100	9/20/2010 6:07:51 PM
Vinyl chloride	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Xylenes, Total	17000	150		µg/L	100	9/20/2010 6:07:51 PM
Surr: 1,2-Dichloroethane-d4	129	54.6-141		%REC	100	9/20/2010 6:07:51 PM
Surr: 4-Bromofluorobenzene	109	80.1-133		%REC	100	9/20/2010 6:07:51 PM
Surr: Dibromofluoromethane	127	78.5-130		%REC	100	9/20/2010 6:07:51 PM
Surr: Toluene-d8	104	79.5-126		%REC	100	9/20/2010 6:07:51 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: IC
Specific Conductance	3600	0.010		µmhos/cm	1	9/15/2010 5:19:00 PM
SM4500-H+B: PH						Analyst: IC
pH	7.61	0.100		pH units	1	9/15/2010 5:19:00 PM

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- NC Non-Chlorinated
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- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:44:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	9.1	1.0		mg/L	1	9/20/2010 8:04:07 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/20/2010 8:04:07 PM
Surr: DNOP	116	86.9-151		%REC	1	9/20/2010 8:04:07 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.51	0.25		mg/L	5	9/17/2010 2:35:03 PM
Surr: BFB	132	79.9-117	S	%REC	5	9/17/2010 2:35:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	60	5.0		mg/L	50	9/14/2010 8:13:13 PM
Chloride	240	25		mg/L	50	9/14/2010 8:13:13 PM
Nitrogen, Nitrite (As N)	1.2	1.0		mg/L	10	9/14/2010 7:55:48 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	9/14/2010 7:55:48 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/14/2010 7:55:48 PM
Sulfate	1300	25		mg/L	50	9/14/2010 8:13:13 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	0.0011	0.00020		mg/L	1	9/24/2010 4:23:00 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/30/2010 7:38:48 PM
Barium	0.042	0.020		mg/L	1	9/30/2010 7:38:48 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 7:38:48 PM
Calcium	37	1.0		mg/L	1	9/30/2010 7:38:48 PM
Chromium	0.080	0.0060		mg/L	1	9/30/2010 7:38:48 PM
Copper	ND	0.0060		mg/L	1	9/30/2010 7:38:48 PM
Iron	1.6	0.10		mg/L	5	9/30/2010 7:53:08 PM
Lead	ND	0.0050		mg/L	1	9/30/2010 7:38:48 PM
Magnesium	14	1.0		mg/L	1	9/30/2010 7:38:48 PM
Manganese	0.20	0.0020		mg/L	1	9/30/2010 7:38:48 PM
Potassium	25	1.0		mg/L	1	9/30/2010 7:38:48 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 7:38:48 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 7:38:48 PM
Sodium	730	10		mg/L	10	10/1/2010 12:39:40 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/29/2010 12:52:59 PM
Barium	0.18	0.020		mg/L	1	9/29/2010 12:52:59 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2010 12:52:59 PM
Chromium	0.84	0.0060		mg/L	1	9/29/2010 12:52:59 PM
Copper	0.023	0.0060		mg/L	1	9/29/2010 12:52:59 PM

Qualifiers:

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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
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- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:44:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	11	1.0		mg/L	20	9/29/2010 3:21:20 PM
Lead	ND	0.0050		mg/L	1	9/29/2010 12:52:59 PM
Manganese	0.24	0.0020		mg/L	1	9/29/2010 12:52:59 PM
Selenium	ND	0.050		mg/L	1	9/29/2010 12:52:59 PM
Silver	ND	0.0050		mg/L	1	9/29/2010 12:52:59 PM
Zinc	0.63	0.020		mg/L	1	9/29/2010 12:52:59 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Acenaphthene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Acenaphthylene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Aniline	230	50		µg/L	1	9/22/2010 5:09:26 PM
Anthracene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Azobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benz(a)anthracene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benzo(a)pyrene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benzoic acid	ND	100		µg/L	1	9/22/2010 5:09:26 PM
Benzyl alcohol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Butyl benzyl phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Carbazole	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Chloroaniline	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Chloronaphthalene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Chlorophenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Chrysene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Di-n-butyl phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Di-n-octyl phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Dibenzofuran	ND	50		µg/L	1	9/22/2010 5:09:26 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/22/2010 5:09:26 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:44:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Diethyl phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Dimethyl phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2,4-Dichlorophenol	ND	100		µg/L	1	9/22/2010 5:09:26 PM
2,4-Dimethylphenol	180	50		µg/L	1	9/22/2010 5:09:26 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/22/2010 5:09:26 PM
2,4-Dinitrophenol	ND	100		µg/L	1	9/22/2010 5:09:26 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Fluoranthene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Fluorene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Hexachlorobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Hexachlorobutadiene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Hexachloroethane	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Isophorone	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Methylnaphthalene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Methylphenol	400	50		µg/L	1	9/22/2010 5:09:26 PM
3+4-Methylphenol	64	50		µg/L	1	9/22/2010 5:09:26 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/22/2010 5:09:26 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	9/22/2010 5:09:26 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Naphthalene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Nitroaniline	ND	50		µg/L	1	9/22/2010 5:09:26 PM
3-Nitroaniline	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Nitroaniline	ND	100		µg/L	1	9/22/2010 5:09:26 PM
Nitrobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Nitrophenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Nitrophenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Pentachlorophenol	ND	100		µg/L	1	9/22/2010 5:09:26 PM
Phenanthrene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Phenol	100	50		µg/L	1	9/22/2010 5:09:26 PM
Pyrene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Pyridine	ND	50		µg/L	1	9/22/2010 5:09:26 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Surr: 2,4,6-Tribromophenol	53.8	16.6-150		%REC	1	9/22/2010 5:09:26 PM
Surr: 2-Fluorobiphenyl	58.9	19.6-134		%REC	1	9/22/2010 5:09:26 PM
Surr: 2-Fluorophenol	47.3	9.54-113		%REC	1	9/22/2010 5:09:26 PM
Surr: 4-Terphenyl-d14	52.9	22.7-145		%REC	1	9/22/2010 5:09:26 PM

Qualifiers:

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- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
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- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:44:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Surr: Nitrobenzene-d5	64.1	14.6-134		%REC	1	9/22/2010 5:09:26 PM
Surr: Phenol-d5	37.9	10.7-80.3		%REC	1	9/22/2010 5:09:26 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Toluene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Ethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Naphthalene	ND	10		µg/L	5	9/20/2010 7:00:04 PM
1-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 7:00:04 PM
2-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 7:00:04 PM
Acetone	910	200		µg/L	20	9/21/2010 1:18:54 PM
Bromobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Bromodichloromethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Bromoform	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Bromomethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
2-Butanone	210	50		µg/L	5	9/20/2010 7:00:04 PM
Carbon disulfide	ND	50		µg/L	5	9/20/2010 7:00:04 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Chlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Chloroethane	ND	10		µg/L	5	9/20/2010 7:00:04 PM
Chloroform	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Chloromethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
2-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
4-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
cis-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/20/2010 7:00:04 PM
Dibromochloromethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Dibromomethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:44:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
2,2-Dichloropropane	ND	10		µg/L	5	9/20/2010 7:00:04 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
2-Hexanone	ND	50		µg/L	5	9/20/2010 7:00:04 PM
Isopropylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	9/20/2010 7:00:04 PM
Methylene Chloride	ND	15		µg/L	5	9/20/2010 7:00:04 PM
n-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
n-Propylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
sec-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Styrene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
tert-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/20/2010 7:00:04 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
trans-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	9/20/2010 7:00:04 PM
Vinyl chloride	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Xylenes, Total	ND	7.5		µg/L	5	9/20/2010 7:00:04 PM
Surr: 1,2-Dichloroethane-d4	118	54.6-141		%REC	5	9/20/2010 7:00:04 PM
Surr: 4-Bromofluorobenzene	101	60.1-133		%REC	5	9/20/2010 7:00:04 PM
Surr: Dibromofluoromethane	109	78.5-130		%REC	5	9/20/2010 7:00:04 PM
Surr: Toluene-d8	106	79.5-126		%REC	5	9/20/2010 7:00:04 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:52:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-03`	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	9.4	1.0		mg/L	1	9/20/2010 8:38:15 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/20/2010 8:38:15 PM
Surr: DNOP	124	86.9-151		%REC	1	9/20/2010 8:38:15 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.38	0.25		mg/L	5	9/17/2010 3:32:56 PM
Surr: BFB	126	79.9-117	S	%REC	5	9/17/2010 3:32:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	59	5.0		mg/L	50	9/14/2010 8:48:03 PM
Chloride	230	25		mg/L	50	9/14/2010 8:48:03 PM
Nitrogen, Nitrite (As N)	1.5	1.0		mg/L	10	9/14/2010 8:30:38 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	9/14/2010 8:30:38 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/14/2010 8:30:38 PM
Sulfate	1300	25		mg/L	50	9/14/2010 8:48:03 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	0.00056	0.00020		mg/L	1	9/24/2010 4:24:47 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/30/2010 7:56:09 PM
Barium	0.044	0.020		mg/L	1	9/30/2010 7:56:09 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 7:56:09 PM
Calcium	38	1.0		mg/L	1	9/30/2010 7:56:09 PM
Chromium	0.12	0.0060		mg/L	1	9/30/2010 7:56:09 PM
Copper	ND	0.0060		mg/L	1	9/30/2010 7:56:09 PM
Iron	2.2	0.10		mg/L	5	9/30/2010 8:00:14 PM
Lead	ND	0.0050		mg/L	1	9/30/2010 7:56:09 PM
Magnesium	14	1.0		mg/L	1	9/30/2010 7:56:09 PM
Manganese	0.20	0.0020		mg/L	1	9/30/2010 7:56:09 PM
Potassium	26	1.0		mg/L	1	9/30/2010 7:56:09 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 7:56:09 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 7:56:09 PM
Sodium	740	10		mg/L	10	10/1/2010 12:42:41 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/29/2010 1:00:10 PM
Barium	0.17	0.020		mg/L	1	9/29/2010 1:00:10 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2010 1:00:10 PM
Chromium	0.76	0.0060		mg/L	1	9/29/2010 1:00:10 PM
Copper	0.020	0.0060		mg/L	1	9/29/2010 1:00:10 PM

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- NC Non-Chlorinated
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- PQL Practical Quantitation Limit
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CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:52:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	10	1.0		mg/L	20	9/29/2010 3:24:20 PM
Lead	ND	0.0050		mg/L	1	9/29/2010 1:00:10 PM
Manganese	0.23	0.0020		mg/L	1	9/29/2010 1:00:10 PM
Selenium	ND	0.050		mg/L	1	9/29/2010 1:00:10 PM
Silver	ND	0.0050		mg/L	1	9/29/2010 1:00:10 PM
Zinc	0.59	0.020		mg/L	1	9/29/2010 1:00:10 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Acenaphthene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Acenaphthylene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Aniline	240	50		µg/L	1	9/22/2010 6:09:21 PM
Anthracene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Azobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benz(a)anthracene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benzo(a)pyrene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benzoic acid	ND	100		µg/L	1	9/22/2010 6:09:21 PM
Benzyl alcohol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Butyl benzyl phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Carbazole	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Chloroaniline	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Chloronaphthalene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Chlorophenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Chrysene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Di-n-butyl phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Di-n-octyl phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Dibenzofuran	ND	50		µg/L	1	9/22/2010 6:09:21 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/22/2010 6:09:21 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:52:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Diethyl phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Dimethyl phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2,4-Dichlorophenol	ND	100		µg/L	1	9/22/2010 6:09:21 PM
2,4-Dimethylphenol	180	50		µg/L	1	9/22/2010 6:09:21 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/22/2010 6:09:21 PM
2,4-Dinitrophenol	ND	100		µg/L	1	9/22/2010 6:09:21 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Fluoranthene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Fluorene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Hexachlorobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Hexachlorobutadiene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Hexachloroethane	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Isophorone	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Methylnaphthalene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Methylphenol	480	50		µg/L	1	9/22/2010 6:09:21 PM
3+4-Methylphenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/22/2010 6:09:21 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	9/22/2010 6:09:21 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Naphthalene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Nitroaniline	ND	50		µg/L	1	9/22/2010 6:09:21 PM
3-Nitroaniline	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Nitroaniline	ND	100		µg/L	1	9/22/2010 6:09:21 PM
Nitrobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Nitrophenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Nitrophenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Pentachlorophenol	ND	100		µg/L	1	9/22/2010 6:09:21 PM
Phenanthrene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Phenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Pyrene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Pyridine	ND	50		µg/L	1	9/22/2010 6:09:21 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Surr: 2,4,6-Tribromophenol	57.6	16.6-150		%REC	1	9/22/2010 6:09:21 PM
Surr: 2-Fluorobiphenyl	65.8	19.6-134		%REC	1	9/22/2010 6:09:21 PM
Surr: 2-Fluorophenol	49.2	9.54-113		%REC	1	9/22/2010 6:09:21 PM
Surr: 4-Terphenyl-d14	63.1	22.7-145		%REC	1	9/22/2010 6:09:21 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:52:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Surr: Nitrobenzene-d5	64.8	14.6-134		%REC	1	9/22/2010 6:09:21 PM
Surr: Phenol-d5	37.8	10.7-80.3		%REC	1	9/22/2010 6:09:21 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Toluene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Ethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Naphthalene	ND	10		µg/L	5	9/20/2010 7:52:21 PM
1-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 7:52:21 PM
2-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 7:52:21 PM
Acetone	930	200		µg/L	20	9/21/2010 1:47:08 PM
Bromobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Bromodichloromethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Bromoform	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Bromomethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
2-Butanone	200	50		µg/L	5	9/20/2010 7:52:21 PM
Carbon disulfide	ND	50		µg/L	5	9/20/2010 7:52:21 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Chlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Chloroethane	ND	10		µg/L	5	9/20/2010 7:52:21 PM
Chloroform	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Chloromethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
2-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
4-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
cis-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/20/2010 7:52:21 PM
Dibromochloromethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Dibromomethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:52:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
2,2-Dichloropropane	ND	10		µg/L	5	9/20/2010 7:52:21 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
2-Hexanone	ND	50		µg/L	5	9/20/2010 7:52:21 PM
Isopropylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	9/20/2010 7:52:21 PM
Methylene Chloride	ND	15		µg/L	5	9/20/2010 7:52:21 PM
n-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
n-Propylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
sec-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Styrene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
tert-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/20/2010 7:52:21 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
trans-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	9/20/2010 7:52:21 PM
Vinyl chloride	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Xylenes, Total	ND	7.5		µg/L	5	9/20/2010 7:52:21 PM
Surr: 1,2-Dichloroethane-d4	114	54.6-141		%REC	5	9/20/2010 7:52:21 PM
Surr: 4-Bromofluorobenzene	110	60.1-133		%REC	5	9/20/2010 7:52:21 PM
Surr: Dibromofluoromethane	111	78.5-130		%REC	5	9/20/2010 7:52:21 PM
Surr: Toluene-d8	106	79.5-126		%REC	5	9/20/2010 7:52:21 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL1
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:12:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	7.9	1.0		mg/L	1	9/20/2010 9:12:22 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/20/2010 9:12:22 PM
Surr: DNOP	116	86.9-151		%REC	1	9/20/2010 9:12:22 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.57	0.25		mg/L	5	9/17/2010 4:30:58 PM
Surr: BFB	116	79.9-117		%REC	5	9/17/2010 4:30:58 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Chloride	260	10		mg/L	20	9/14/2010 9:05:28 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Acenaphthene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Acenaphthylene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Aniline	260	50		µg/L	1	9/22/2010 7:09:15 PM
[redacted]nthracene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
[redacted]zobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benz(a)anthracene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benzo(a)pyrene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benzoic acid	130	100		µg/L	1	9/22/2010 7:09:15 PM
Benzyl alcohol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Butyl benzyl phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Carbazole	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Chloroaniline	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Chloronaphthalene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Chlorophenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Chrysene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Di-n-butyl phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Di-n-octyl phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Dibenzofuran	ND	50		µg/L	1	9/22/2010 7:09:15 PM

[redacted]ualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL1
Lab Order:	*1009596*	**Collection Date:**	9/13/2010 2:12:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	*1009596-04*	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
1,2-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Diethyl phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Dimethyl phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2,4-Dichlorophenol	ND	100		µg/L	1	9/22/2010 7:09:15 PM
2,4-Dimethylphenol	360	50		µg/L	1	9/22/2010 7:09:15 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/22/2010 7:09:15 PM
2,4-Dinitrophenol	ND	100		µg/L	1	9/22/2010 7:09:15 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Fluoranthene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Fluorene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Hexachlorobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Hexachlorobutadiene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Hexachloroethane	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Isophorone	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Methylnaphthalene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Methylphenol	930	500		µg/L	10	9/22/2010 6:39:28 PM
3+4-Methylphenol	1800	500		µg/L	10	9/22/2010 6:39:28 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/22/2010 7:09:15 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	9/22/2010 7:09:15 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Naphthalene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Nitroaniline	ND	50		µg/L	1	9/22/2010 7:09:15 PM
3-Nitroaniline	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Nitroaniline	ND	100		µg/L	1	9/22/2010 7:09:15 PM
Nitrobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Nitrophenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Nitrophenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Pentachlorophenol	ND	100		µg/L	1	9/22/2010 7:09:15 PM
Phenanthrene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Phenol	2500	500		µg/L	10	9/22/2010 6:39:28 PM
Pyrene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Pyridine	ND	50		µg/L	1	9/22/2010 7:09:15 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL1
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:12:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Surr: 2,4,6-Tribromophenol	54.9	16.6-150		%REC	1	9/22/2010 7:09:15 PM
Surr: 2-Fluorobiphenyl	54.6	19.6-134		%REC	1	9/22/2010 7:09:15 PM
Surr: 2-Fluorophenol	45.4	9.54-113		%REC	1	9/22/2010 7:09:15 PM
Surr: 4-Terphenyl-d14	57.1	22.7-145		%REC	1	9/22/2010 7:09:15 PM
Surr: Nitrobenzene-d5	56.4	14.6-134		%REC	1	9/22/2010 7:09:15 PM
Surr: Phenol-d5	35.8	10.7-80.3		%REC	1	9/22/2010 7:09:15 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	12	5.0		µg/L	5	9/20/2010 8:44:36 PM
Toluene	31	5.0		µg/L	5	9/20/2010 8:44:36 PM
Ethylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2,4-Trimethylbenzene	26	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,3,5-Trimethylbenzene	7.0	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Naphthalene	30	10		µg/L	5	9/20/2010 8:44:36 PM
1-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 8:44:36 PM
2-Methylnaphthalene	21	20		µg/L	5	9/20/2010 8:44:36 PM
Acetone	1500	200		µg/L	20	9/21/2010 2:15:29 PM
Bromobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Bromodichloromethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Bromoform	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Bromomethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
2-Butanone	280	50		µg/L	5	9/20/2010 8:44:36 PM
Carbon disulfide	ND	50		µg/L	5	9/20/2010 8:44:36 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Chlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Chloroethane	ND	10		µg/L	5	9/20/2010 8:44:36 PM
Chloroform	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Chloromethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
2-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
4-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
cis-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/20/2010 8:44:36 PM
Dibromochloromethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Dibromomethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL1
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:12:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
2,2-Dichloropropane	ND	10		µg/L	5	9/20/2010 8:44:36 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
2-Hexanone	ND	50		µg/L	5	9/20/2010 8:44:36 PM
Isopropylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	9/20/2010 8:44:36 PM
Methylene Chloride	ND	15		µg/L	5	9/20/2010 8:44:36 PM
n-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
n-Propylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
sec-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Styrene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
tert-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/20/2010 8:44:36 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
trans-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	9/20/2010 8:44:36 PM
Vinyl chloride	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Xylenes, Total	38	7.5		µg/L	5	9/20/2010 8:44:36 PM
Surr: 1,2-Dichloroethane-d4	117	54.6-141		%REC	5	9/20/2010 8:44:36 PM
Surr: 4-Bromofluorobenzene	107	60.1-133		%REC	5	9/20/2010 8:44:36 PM
Surr: Dibromofluoromethane	110	78.5-130		%REC	5	9/20/2010 8:44:36 PM
Surr: Toluene-d8	107	79.5-126		%REC	5	9/20/2010 8:44:36 PM
SM4500-H+B: PH						Analyst: **IC**
pH	10.24	0.100		pH units	1	9/15/2010 5:28:00 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL2
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:31:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	7.3	1.0		mg/L	1	9/20/2010 9:46:28 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/20/2010 9:46:28 PM
Surr: DNOP	125	86.9-151		%REC	1	9/20/2010 9:46:28 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.47	0.25		mg/L	5	9/17/2010 5:28:56 PM
Surr: BFB	123	79.9-117	S	%REC	5	9/17/2010 5:28:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Chloride	240	25		mg/L	50	9/14/2010 9:57:43 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Acenaphthene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Acenaphthylene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Aniline	290	50		µg/L	1	9/22/2010 8:09:12 PM
Anthracene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Azobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benz(a)anthracene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benzo(a)pyrene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benzoic acid	ND	100		µg/L	1	9/22/2010 8:09:12 PM
Benzyl alcohol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Butyl benzyl phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Carbazole	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Chloroaniline	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Chloronaphthalene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Chlorophenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Chrysene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Di-n-butyl phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Di-n-octyl phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Dibenzofuran	ND	50		µg/L	1	9/22/2010 8:09:12 PM

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- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL2
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:31:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
1,2-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Diethyl phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Dimethyl phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2,4-Dichlorophenol	ND	100		µg/L	1	9/22/2010 8:09:12 PM
2,4-Dimethylphenol	210	50		µg/L	1	9/22/2010 8:09:12 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/22/2010 8:09:12 PM
2,4-Dinitrophenol	ND	100		µg/L	1	9/22/2010 8:09:12 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Fluoranthene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Fluorene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Hexachlorobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Hexachlorobutadiene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Hexachloroethane	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Isophorone	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Methylnaphthalene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Methylphenol	810	50		µg/L	1	9/22/2010 8:09:12 PM
3+4-Methylphenol	63	50		µg/L	1	9/22/2010 8:09:12 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/22/2010 8:09:12 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	9/22/2010 8:09:12 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Naphthalene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Nitroaniline	ND	50		µg/L	1	9/22/2010 8:09:12 PM
3-Nitroaniline	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Nitroaniline	ND	100		µg/L	1	9/22/2010 8:09:12 PM
Nitrobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Nitrophenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Nitrophenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Pentachlorophenol	ND	100		µg/L	1	9/22/2010 8:09:12 PM
Phenanthrene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Phenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Pyrene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Pyridine	ND	50		µg/L	1	9/22/2010 8:09:12 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL2
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:31:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Surr: 2,4,6-Tribromophenol	55.2	16.6-150		%REC	1	9/22/2010 8:09:12 PM
Surr: 2-Fluorobiphenyl	55.8	19.6-134		%REC	1	9/22/2010 8:09:12 PM
Surr: 2-Fluorophenol	48.2	9.54-113		%REC	1	9/22/2010 8:09:12 PM
Surr: 4-Terphenyl-d14	60.7	22.7-145		%REC	1	9/22/2010 8:09:12 PM
Surr: Nitrobenzene-d5	60.6	14.6-134		%REC	1	9/22/2010 8:09:12 PM
Surr: Phenol-d5	38.3	10.7-80.3		%REC	1	9/22/2010 8:09:12 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Toluene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Ethylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2,4-Trimethylbenzene	6.8	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Naphthalene	ND	10		µg/L	5	9/20/2010 9:37:07 PM
1-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 9:37:07 PM
2-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 9:37:07 PM
Acetone	2200	500		µg/L	50	9/21/2010 2:43:53 PM
Bromobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Bromodichloromethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Bromoform	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Bromomethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
2-Butanone	300	50		µg/L	5	9/20/2010 9:37:07 PM
Carbon disulfide	ND	50		µg/L	5	9/20/2010 9:37:07 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Chlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Chloroethane	ND	10		µg/L	5	9/20/2010 9:37:07 PM
Chloroform	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Chloromethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
2-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
4-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
cis-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/20/2010 9:37:07 PM
Dibromochloromethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Dibromomethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL2
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:31:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
2,2-Dichloropropane	ND	10		µg/L	5	9/20/2010 9:37:07 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
2-Hexanone	ND	50		µg/L	5	9/20/2010 9:37:07 PM
Isopropylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	9/20/2010 9:37:07 PM
Methylene Chloride	ND	15		µg/L	5	9/20/2010 9:37:07 PM
n-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
n-Propylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
sec-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Styrene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
tert-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/20/2010 9:37:07 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
trans-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	9/20/2010 9:37:07 PM
Vinyl chloride	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Xylenes, Total	ND	7.5		µg/L	5	9/20/2010 9:37:07 PM
Surr: 1,2-Dichloroethane-d4	116	54.6-141		%REC	5	9/20/2010 9:37:07 PM
Surr: 4-Bromofluorobenzene	105	60.1-133		%REC	5	9/20/2010 9:37:07 PM
Surr: Dibromofluoromethane	109	78.5-130		%REC	5	9/20/2010 9:37:07 PM
Surr: Toluene-d8	103	79.5-126		%REC	5	9/20/2010 9:37:07 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.75	0.100		pH units	1	9/15/2010 5:35:00 PM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: Field Blank
Lab Order: 1009596
Collection Date:
Project: 3rd Qtr 2010
Date Received: 9/14/2010
Lab ID: 1009596-06
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Toluene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Ethylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Naphthalene	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2010 12:43:54 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2010 12:43:54 PM
Acetone	ND	10		µg/L	1	9/17/2010 12:43:54 PM
Bromobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Bromoform	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Bromomethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
2-Butanone	ND	10		µg/L	1	9/17/2010 12:43:54 PM
Carbon disulfide	ND	10		µg/L	1	9/17/2010 12:43:54 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Chlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Chloroethane	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
Chloroform	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Chloromethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Dibromomethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1009596	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	9/17/2010 12:43:54 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/17/2010 12:43:54 PM
Methylene Chloride	ND	3.0		µg/L	1	9/17/2010 12:43:54 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Styrene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
Vinyl chloride	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Xylenes, Total	ND	1.5		µg/L	1	9/17/2010 12:43:54 PM
Surr: 1,2-Dichloroethane-d4	94.6	54.6-141		%REC	1	9/17/2010 12:43:54 PM
Surr: 4-Bromofluorobenzene	105	60.1-133		%REC	1	9/17/2010 12:43:54 PM
Surr: Dibromofluoromethane	99.2	78.5-130		%REC	1	9/17/2010 12:43:54 PM
Surr: Toluene-d8	105	79.5-126		%REC	1	9/17/2010 12:43:54 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1009596	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Toluene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Ethylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Naphthalene	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2010 1:12:10 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2010 1:12:10 PM
Acetone	ND	10		µg/L	1	9/17/2010 1:12:10 PM
Bromobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Bromoform	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Bromomethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
2-Butanone	ND	10		µg/L	1	9/17/2010 1:12:10 PM
Carbon disulfide	ND	10		µg/L	1	9/17/2010 1:12:10 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Chlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Chloroethane	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
Chloroform	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Chloromethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Dibromomethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1009596	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	9/17/2010 1:12:10 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/17/2010 1:12:10 PM
Methylene Chloride	ND	3.0		µg/L	1	9/17/2010 1:12:10 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Styrene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
Vinyl chloride	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Xylenes, Total	ND	1.5		µg/L	1	9/17/2010 1:12:10 PM
Surr: 1,2-Dichloroethane-d4	88.9	54.6-141		%REC	1	9/17/2010 1:12:10 PM
Surr: 4-Bromofluorobenzene	98.8	60.1-133		%REC	1	9/17/2010 1:12:10 PM
Surr: Dibromofluoromethane	93.2	78.5-130		%REC	1	9/17/2010 1:12:10 PM
Surr: Toluene-d8	108	79.5-126		%REC	1	9/17/2010 1:12:10 PM

Qualifiers:

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009596
Lab ID: B10091434-001
Client Sample ID 1009596-01C,E, NAPIS EFF

Report Date: 09/23/10
Collection Date: 09/13/10 13:23
DateReceived: 09/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.002	mg/L		0.001		SW6020	09/17/10 16:07 / jjw
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	09/21/10 01:41 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009596
Lab ID: B10091434-002
Client Sample ID 1009596-02C,E, AL2 to EP1

Report Date: 09/23/10
Collection Date: 09/13/10 13:44
DateReceived: 09/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	09/17/10 16:27 / jjw
METALS, TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	09/21/10 01:49 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009596
Lab ID: B10091434-003
Client Sample ID 1009596-03C,E,G,H, INFL to EP1

Report Date: 09/23/10
Collection Date: 09/13/10 13:52
DateReceived: 09/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	200	mg/L	H	2		A5210 B	09/16/10 16:26 / ldv
Oxygen Demand, Chemical (COD)	375	mg/L	D	20		E410.4	09/17/10 11:30 / bls
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	09/21/10 17:30 / jjw
METALS, TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	09/21/10 01:54 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009596
Lab ID: B10091434-004
Client Sample ID 1009596-04C,D, INFL to AL1

Report Date: 09/23/10
Collection Date: 09/13/10 14:12
DateReceived: 09/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	780	mg/L	H	2		A5210 B	09/16/10 16:50 / ldv
Oxygen Demand, Chemical (COD)	774	mg/L	D	30		E410.4	09/17/10 11:30 / bls

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009596
Lab ID: B10091434-005
Client Sample ID 1009596-05C,D, INFL to AL2

Report Date: 09/23/10
Collection Date: 09/13/10 14:31
DateReceived: 09/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	280	mg/L	H	2		A5210 B	09/16/10 16:55 / ldv
Oxygen Demand, Chemical (COD)	378	mg/L	D	20		E410.4	09/17/10 11:30 / bls

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009596

Report Date: 09/23/10
Work Order: B10091434

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A5210 B									Batch: 100916_1_BOD5-W	
Sample ID: GGA1_100916	Laboratory Control Sample					Run: DO_METER_100916A			09/16/10 12:00	
Oxygen Demand, Biochemical (BOD)		180	mg/L	2.0	93	85	115			
Sample ID: MBLK1_100916	Method Blank					Run: DO_METER_100916A			09/16/10 13:10	
Oxygen Demand, Biochemical (BOD)		0.2	mg/L							
Sample ID: B10091408-001ADUP	Sample Duplicate					Run: DO_METER_100916A			09/16/10 15:22	
Oxygen Demand, Biochemical (BOD)		140	mg/L	2.0				7.9	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009596

Report Date: 09/23/10
Work Order: B10091434

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4										Batch: R154047
Sample ID: MB-R154047		Method Blank				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		ND	mg/L	5						
Sample ID: LCS-R154047		Laboratory Control Sample				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		86.7	mg/L	5.0	104	90	110			
Sample ID: B10091385-001BMS		Sample Matrix Spike				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		90.9	mg/L	5.0	98	90	110			
Sample ID: B10091385-001BMSD		Sample Matrix Spike Duplicate				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		91.4	mg/L	5.0	100	90	110	0.5	10	
Sample ID: B10091448-002BMS		Sample Matrix Spike				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		60.6	mg/L	5.0	101	90	110			
Sample ID: B10091448-002BMSD		Sample Matrix Spike Duplicate				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		59.4	mg/L	5.0	96	90	110	2	10	
Sample ID: LFB		Laboratory Fortified Blank				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		25.9	mg/L	5.0	106	90	110			

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009596

Report Date: 09/23/10
Work Order: B10091434

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_100917A	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard							09/17/10 09:32	
Uranium		0.0182	mg/L	0.00030	91	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							09/17/10 09:36	
Uranium		2.80E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB							09/17/10 09:40	
Uranium		8.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: R154059	
Sample ID: B10091527-003ADIL		Serial Dilution				Run: ICPMS202-B_100917A			09/17/10 17:22	
Uranium		0.00873	mg/L	0.0010		0	0			
Sample ID: B10091531-002AMS		Sample Matrix Spike				Run: ICPMS202-B_100917A			09/17/10 18:11	
Uranium		0.0984	mg/L	0.0010	92	75	125			
Sample ID: B10091531-002AMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_100917A			09/17/10 18:15	
Uranium		0.0985	mg/L	0.0010	92	75	125	0.1	20	
Sample ID: LRB		Method Blank				Run: ICPMS202-B_100917A			09/17/10 14:10	
Uranium		ND	mg/L	2E-05						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_100917A			09/17/10 14:14	
Uranium		0.0508	mg/L	0.00030	102	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009596

Report Date: 09/23/10
Work Order: B10091434

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_100921B	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard								09/21/10 15:14
Uranium		0.0188	mg/L	0.00030	94	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								09/21/10 15:18
Uranium		1.50E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB								09/21/10 15:22
Uranium		6.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R154240
Sample ID: B10091434-003BMS		Sample Matrix Spike				Run: ICPMS202-B_100921B				09/21/10 17:34
Uranium		0.242	mg/L	0.0010	96	75	125			
Sample ID: B10091434-003BMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_100921B				09/21/10 17:38
Uranium		0.244	mg/L	0.0010	97	75	125	0.7	20	
Sample ID: B10091525-002ADIL		Serial Dilution				Run: ICPMS202-B_100921B				09/21/10 20:26
Uranium		0.0112	mg/L	0.0010		0	0			
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_100921B				09/21/10 16:17
Uranium		0.0457	mg/L	0.00030	91	85	115			
Sample ID: LRB		Method Blank				Run: ICPMS202-B_100921B				09/21/10 16:29
Uranium		ND	mg/L	2E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009596

Report Date: 09/23/10
Work Order: B10091434

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_100920A	
Sample ID: QCS-100607A,100726		Initial Calibration Verification Standard							09/20/10 11:01	
Uranium		0.0194	mg/L	0.00030	97	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							09/20/10 11:06	
Uranium		4.00E-06	mg/L	0.00030						
Sample ID: ICSAB-ME091229B,09		Interference Check Sample AB							09/20/10 11:10	
Uranium		4.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: 49134	
Sample ID: MB-49134		Method Blank				Run: ICPMS203-B_100920A			09/21/10 01:36	
Uranium		ND	mg/L	4E-06						
Sample ID: B10091434-001BDIL		Serial Dilution				Run: ICPMS203-B_100920A			09/21/10 01:45	
Uranium		0.00202	mg/L	0.0010		0	0	21	10	R
Sample ID: LCS-49134		Laboratory Control Sample				Run: ICPMS203-B_100920A			09/21/10 02:53	
Uranium		0.474	mg/L	0.0010	95	85	115			
Sample ID: B10091434-001BMS3		Sample Matrix Spike				Run: ICPMS203-B_100920A			09/21/10 02:58	
Uranium		0.514	mg/L	0.0010	102	75	125			
Sample ID: B10091434-001BMSD3		Sample Matrix Spike Duplicate				Run: ICPMS203-B_100920A			09/21/10 03:02	
Uranium		0.525	mg/L	0.0010	105	75	125	2.1	20	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23826		*MBLK*				Batch ID:	**23826**	Analysis Date:		9/20/2010 5:47:41 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23826		*LCS*				Batch ID:	**23826**	Analysis Date:		9/20/2010 6:21:47 PM	
Diesel Range Organics (DRO)	5.766	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-23826		*LCSD*				Batch ID:	**23826**	Analysis Date:		9/20/2010 6:55:54 PM	
Diesel Range Organics (DRO)	5.825	mg/L	1.0	5	0	116	74	157	1.01	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41005**	Analysis Date:		9/16/2010 9:18:48 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41005**	Analysis Date:		9/16/2010 11:20:15 AM	
Gasoline Range Organics (GRO)	0.4744	mg/L	0.050	0.5	0	94.9	89.5	122			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R41005**	Analysis Date:		9/16/2010 8:46:25 PM	
Gasoline Range Organics (GRO)	0.4850	mg/L	0.050	0.5	0	97.0	89.5	122	2.21	10.5	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R41037**		**Analysis Date: 9/17/2010 10:51:06 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID: R41037**		**Analysis Date: 9/17/2010 10:51:06 AM**		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2[redacted]chloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml-rb		*MBLK*					**Batch ID: R41058**		**Analysis Date: 9/20/2010 9:12:58 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
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								
Chl[redacted]rm	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
Chloromethane	ND	µg/L	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: 5ml rb		*MBLK*									

Batch ID: R41058 Analysis Date: 9/20/2010 9:12:58 AM

Batch ID: R41083 Analysis Date: 9/21/2010 10:38:09 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					Batch ID: **R41083**		Analysis Date: 9/21/2010 10:38:09 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R41083**		Analysis Date:	9/21/2010 10:38:09 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID: **R41127**		Analysis Date:	9/22/2010 9:46:40 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
Chloromethane	ND	µg/L	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: R41127 Analysis Date: 9/22/2010 9:46:40 AM

Batch ID: R41037 Analysis Date: 9/17/2010 11:47:25 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41037**	Analysis Date:	9/17/2010 11:47:25 AM		
Benzene	19.57	µg/L	1.0	20	0	97.9	82.4	116			
Toluene	20.88	µg/L	1.0	20	0	104	89.5	123			
Chlorobenzene	20.76	µg/L	1.0	20	0	104	87.8	120			
1,1-Dichloroethene	22.03	µg/L	1.0	20	0	110	90.3	138			
Trichloroethene (TCE)	17.38	µg/L	1.0	20	0	86.9	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41058**	Analysis Date:	9/20/2010 10:05:17 AM		
Benzene	19.46	µg/L	1.0	20	0	97.3	82.4	116			
Toluene	18.58	µg/L	1.0	20	0	92.9	89.5	123			
Chlorobenzene	18.85	µg/L	1.0	20	0	94.2	87.8	120			
1,1-Dichloroethene	20.44	µg/L	1.0	20	0	102	90.3	138			
Trichloroethene (TCE)	18.53	µg/L	1.0	20	0	92.7	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41083**	Analysis Date:	9/21/2010 11:46:31 AM		
Benzene	19.50	µg/L	1.0	20	0	97.5	82.4	116			
Toluene	20.60	µg/L	1.0	20	0	103	89.5	123			
Chlorobenzene	20.43	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	21.80	µg/L	1.0	20	0	109	90.3	138			
Trichloroethene (TCE)	17.51	µg/L	1.0	20	0	87.6	64	129			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23794		*MBLK*						**Batch ID: 23794**		**Analysis Date: 9/22/2010 10:36:01 AM**	
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23794		*MBLK*				Batch ID:	**23794**	Analysis Date:		9/22/2010 10:36:01 AM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
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-23794		*LCS*				Batch ID:	**23794**	Analysis Date:		9/22/2010 2:08:58 PM	
Acenaphthene	67.50	µg/L	10	100	0	67.5	29.3	113			
4-Chloro-3-methylphenol	158.8	µg/L	10	200	0	79.4	23.3	123			
2-Chlorophenol	145.5	µg/L	10	200	0	72.7	23.9	112			
1,4-Dichlorobenzene	60.42	µg/L	10	100	0	60.4	16.5	106			
2,4-Dinitrotoluene	104.8	µg/L	10	100	0	105	27.7	126			
N-Nitrosodi-n-propylamine	75.98	µg/L	10	100	0	76.0	25.9	113			
4-Nitrophenol	141.2	µg/L	10	200	0	70.6	13.2	76.7			
Pentachlorophenol	105.7	µg/L	20	200	0	52.9	22.4	121			
Phenol	96.64	µg/L	10	200	0	48.3	15.3	68.3			
Pyrene	69.92	µg/L	10	100	0	69.9	23.5	119			
1,2,4-Trichlorobenzene	68.42	µg/L	10	100	0	68.4	23	107			
Sample ID: lcsd-23794		*LCSD*				Batch ID:	**23794**	Analysis Date:		9/22/2010 2:39:15 PM	
Acenaphthene	71.26	µg/L	10	100	0	71.3	29.3	113	5.42	30.5	
4-Chloro-3-methylphenol	163.8	µg/L	10	200	0	81.9	23.3	123	3.09	28.6	
2-Chlorophenol	165.0	µg/L	10	200	0	82.5	23.9	112	12.6	107	
1,4-Dichlorobenzene	66.62	µg/L	10	100	0	66.6	16.5	106	9.76	62.1	
2,4-Dinitrotoluene	107.2	µg/L	10	100	0	107	27.7	126	2.25	14.7	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23794		*LCSD*				Batch ID:	**23794**	Analysis Date:		9/22/2010 2:39:15 PM	
N-Nitrosodi-n-propylamine	81.34	µg/L	10	100	0	81.3	25.9	113	6.81	30.3	
4-Nitrophenol	136.6	µg/L	10	200	0	68.3	13.2	76.7	3.25	36.3	
Pentachlorophenol	92.98	µg/L	20	200	0	46.5	22.4	121	12.8	49	
Phenol	94.12	µg/L	10	200	0	47.1	15.3	68.3	2.64	52.4	
Pyrene	72.64	µg/L	10	100	0	72.6	23.5	119	3.82	16.3	
1,2,4-Trichlorobenzene	70.04	µg/L	10	100	0	70.0	23	107	2.34	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-23893		*MBLK*				Batch ID:	**23893**	Analysis Date:		9/24/2010 3:54:19 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23893		*LCS*				Batch ID:	**23893**	Analysis Date:		9/24/2010 3:56:08 PM	
Mercury	0.004916	mg/L	0.00020	0.005	0	98.3	80	120			
Sample ID: LCS-23893		*LCS*				Batch ID:	**23893**	Analysis Date:		9/24/2010 3:57:56 PM	
Mercury	0.005011	mg/L	0.00020	0.005	0	100	80	120	1.90	0	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R41291**		Analysis Date:	9/30/2010 7:11:57 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID: **R41319**		Analysis Date:	10/1/2010 12:30:48 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID: **R41291**		Analysis Date:	9/30/2010 7:14:44 PM		
Arsenic	0.5007	mg/L	0.020	0.5	0	100	80	120			
Barium	0.4771	mg/L	0.020	0.5	0	95.4	80	120			
Cadmium	0.4949	mg/L	0.0020	0.5	0	99.0	80	120			
Calcium	48.47	mg/L	1.0	50.5	0	96.0	80	120			
Chromium	0.4855	mg/L	0.0060	0.5	0	97.1	80	120			
Copper	0.5175	mg/L	0.0060	0.5	0	104	80	120			
Iron	0.4847	mg/L	0.020	0.5	0	96.9	80	120			
Lead	0.4863	mg/L	0.0050	0.5	0	97.3	80	120			
Magnesium	49.56	mg/L	1.0	50.5	0	98.1	80	120			
Manganese	0.4718	mg/L	0.0020	0.5	0	94.4	80	120			
Potassium	51.97	mg/L	1.0	55	0	94.5	80	120			
Selenium	0.4877	mg/L	0.050	0.5	0	97.5	80	120			
Silver	0.4952	mg/L	0.0050	0.5	0.0004	99.0	80	120			
Sodium	52.92	mg/L	1.0	50.5	0	105	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R41319**	Analysis Date:		10/1/2010 12:33:38 PM	
Arsenic	0.4908	mg/L	0.020	0.5	0	98.2	80	120			
Barium	0.4717	mg/L	0.020	0.5	0	94.3	80	120			
Cadmium	0.4799	mg/L	0.0020	0.5	0	96.0	80	120			
Calcium	50.19	mg/L	1.0	50.5	0.0311	99.3	80	120			
Chromium	0.4771	mg/L	0.0060	0.5	0	95.4	80	120			
Copper	0.5044	mg/L	0.0060	0.5	0	101	80	120			
Iron	0.4726	mg/L	0.020	0.5	0	94.5	80	120			
Lead	0.4787	mg/L	0.0050	0.5	0	95.7	80	120			
Magnesium	50.70	mg/L	1.0	50.5	0.0319	100	80	120			
Manganese	0.4664	mg/L	0.0020	0.5	0	93.3	80	120			
Potassium	52.97	mg/L	1.0	55	0.0703	96.2	80	120			
Selenium	0.4723	mg/L	0.050	0.5	0	94.5	80	120			
Silver	0.4782	mg/L	0.0050	0.5	0.0003	95.6	80	120			
Sodium	53.62	mg/L	1.0	50.5	0.042	106	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23927		*MBLK*				Batch ID: **23927**		Analysis Date: 9/29/2010 10:15:48 AM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23927		*LCS*				Batch ID: **23927**		Analysis Date: 9/29/2010 10:18:44 AM			
Arsenic	0.4938	mg/L	0.020	0.5	0	98.8	80	120			
Barium	0.4934	mg/L	0.020	0.5	0	98.7	80	120			
Cadmium	0.4890	mg/L	0.0020	0.5	0	97.8	80	120			
Chromium	0.5031	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5610	mg/L	0.0060	0.5	0	112	80	120			
Iron	0.5060	mg/L	0.050	0.5	0.0136	98.5	80	120			
Lead	0.4890	mg/L	0.0050	0.5	0	97.8	80	120			
Manganese	0.4913	mg/L	0.0020	0.5	0.0001	98.2	80	120			
Selenium	0.4610	mg/L	0.050	0.5	0	92.2	80	120			
Silver	0.5034	mg/L	0.0050	0.5	0.0003	101	80	120			
Zinc	0.4837	mg/L	0.020	0.5	0	96.7	80	120			
Sample ID: LCS-23927		*LCS*				Batch ID: **23927**		Analysis Date: 9/29/2010 10:21:53 AM			
Arsenic	0.5050	mg/L	0.020	0.5	0	101	80	120			
Barium	0.4882	mg/L	0.020	0.5	0	97.6	80	120			
Cadmium	0.4964	mg/L	0.0020	0.5	0	99.3	80	120			
Chromium	0.4962	mg/L	0.0060	0.5	0	99.2	80	120			
Copper	0.5539	mg/L	0.0060	0.5	0	111	80	120			
Iron	0.5025	mg/L	0.050	0.5	0.0136	97.8	80	120			
Lead	0.4988	mg/L	0.0050	0.5	0	99.8	80	120			
Manganese	0.4862	mg/L	0.0020	0.5	0.0001	97.2	80	120			
Selenium	0.4634	mg/L	0.050	0.5	0	92.7	80	120			
Silver	0.4989	mg/L	0.0050	0.5	0.0003	99.7	80	120			
Zinc	0.4778	mg/L	0.020	0.5	0	95.6	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 9/14/2010

Work Order Number 1009596 | Received by: MLW

Checklist completed by: [signature] 9/14/10 (Signature / Date) | Sample ID labels checked by: [initials]

Matrix: | Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.8°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: [initials]

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: As per C.J. added 8270 to lmfl to AL1 & lmfl to AL2. R 9/15/10

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☐ Rush _____

Project Name: 3rd QTR 2010

Project #: Influents, Effluents

Project Manager: Cheryl Johnson

Sampler: CJohnson

On Ice: ☐ Yes ☐ No

Sample Temperature: 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1002596	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO3, NO2, PO4, SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA) TMTBE	8270 (Semi-VOA)	Major Cations/Anions	WQCC Metals Total & Diss	GenChem	BOD/COD	Air Bubbles (Y or N)
9/13/10	1323	H2O	WAPIS Eff			1			X							X	X	X	X	X		
	1344		AL2 to EP1			2			X							X	X	X	X			
	1352		Infl to EP1			3			X							X	X	X	X		X	
	1412		Infl to AL1			4			X					X		X	✓				X	
	1431		Infl to AL2			5			X					X		X	✓				X	
			Field Blank			6																
			Trip Blank			7																

Date	Time	Relinquished by:	Received by:	Date	Time
9/13/10			M. Walters	9/14/10	910
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Infl to AL2 - pH, Chlorides, Anions Cations.
GenChem: Cations, Anions, pH, SpecCond

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.

NAPIS Eff AL-2 to EP-1

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Wednesday, December 01, 2010

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

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

RE: 4th Qtr 2010

Order No.: 1011223

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 11/4/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:29:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	68	1.0		mg/L	1	11/10/2010 12:34:03 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/10/2010 12:34:03 PM
Surr: DNOP	123	86.9-151		%REC	1	11/10/2010 12:34:03 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	62	25		mg/L	500	11/6/2010 1:31:52 AM
Surr: BFB	107	84.5-118		%REC	500	11/6/2010 1:31:52 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	410	20		mg/L	200	11/16/2010 1:22:39 AM
Chloride	240	10		mg/L	20	11/4/2010 9:22:59 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/4/2010 9:22:59 PM
Nitrogen, Nitrate (As N)	11	2.0		mg/L	20	11/4/2010 9:22:59 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	11/4/2010 9:22:59 PM
Sulfate	820	10		mg/L	20	11/4/2010 9:22:59 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	0.00060	0.00020		mg/L	1	11/10/2010 12:41:34 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/17/2010 7:11:26 PM
Barium	0.028	0.020		mg/L	1	11/17/2010 7:11:26 PM
Cadmium	ND	0.0020		mg/L	1	11/17/2010 7:11:26 PM
Calcium	6.7	1.0		mg/L	1	11/17/2010 7:11:26 PM
Chromium	0.024	0.0060		mg/L	1	11/17/2010 7:11:26 PM
Copper	ND	0.0060		mg/L	1	11/17/2010 7:11:26 PM
Iron	6.0	0.20		mg/L	10	11/22/2010 9:31:03 AM
Lead	ND	0.0050		mg/L	1	11/17/2010 7:11:26 PM
Magnesium	7.7	1.0		mg/L	1	11/17/2010 7:11:26 PM
Manganese	0.17	0.0020		mg/L	1	11/17/2010 7:11:26 PM
Potassium	76	1.0		mg/L	1	11/17/2010 7:11:26 PM
Selenium	ND	0.050		mg/L	1	11/17/2010 7:11:26 PM
Silver	ND	0.0050		mg/L	1	11/17/2010 7:11:26 PM
Sodium	570	10		mg/L	10	11/22/2010 9:31:03 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	1	11/9/2010 12:55:14 PM
Barium	ND	0.10		mg/L	1	11/9/2010 12:55:14 PM
Cadmium	ND	0.010		mg/L	1	11/9/2010 12:55:14 PM
Chromium	ND	0.030		mg/L	1	11/9/2010 12:55:14 PM
Copper	ND	0.030		mg/L	1	11/9/2010 12:55:14 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:29:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Iron	13	1.3		mg/L	5	11/9/2010 1:47:01 PM
Lead	ND	0.025		mg/L	1	11/9/2010 12:55:14 PM
Manganese	0.16	0.010		mg/L	1	11/9/2010 12:55:14 PM
Selenium	ND	0.25		mg/L	1	11/9/2010 12:55:14 PM
Silver	ND	0.025		mg/L	1	11/9/2010 12:55:14 PM
Zinc	0.32	0.10		mg/L	1	11/9/2010 12:55:14 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Acenaphthylene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Aniline	350	50		µg/L	1	11/10/2010 1:58:58 PM
Anthracene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Azobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benz(a)anthracene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benzoic acid	370	100		µg/L	1	11/10/2010 1:58:58 PM
Benzyl alcohol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Carbazole	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Chloroaniline	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2-Chlorophenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Chrysene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Dibenzofuran	ND	50		µg/L	1	11/10/2010 1:58:58 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/10/2010 1:58:58 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:29:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Dimethyl phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/10/2010 1:58:58 PM
2,4-Dimethylphenol	410	50		µg/L	1	11/10/2010 1:58:58 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/10/2010 1:58:58 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/10/2010 1:58:58 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Fluoranthene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Fluorene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Hexachlorobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Hexachloroethane	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Isophorone	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2-Methylnaphthalene	410	50		µg/L	1	11/10/2010 1:58:58 PM
2-Methylphenol	1500	500		µg/L	10	11/10/2010 6:25:49 PM
3+4-Methylphenol	3600	500		µg/L	10	11/10/2010 6:25:49 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/10/2010 1:58:58 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/10/2010 1:58:58 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Naphthalene	320	50		µg/L	1	11/10/2010 1:58:58 PM
2-Nitroaniline	ND	50		µg/L	1	11/10/2010 1:58:58 PM
3-Nitroaniline	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Nitroaniline	ND	100		µg/L	1	11/10/2010 1:58:58 PM
Nitrobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2-Nitrophenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Nitrophenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Pentachlorophenol	ND	100		µg/L	1	11/10/2010 1:58:58 PM
Phenanthrene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Phenol	5700	500		µg/L	10	11/10/2010 6:25:49 PM
Pyrene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Pyridine	ND	50		µg/L	1	11/10/2010 1:58:58 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Surr: 2,4,6-Tribromophenol	63.6	17.5-104		%REC	1	11/10/2010 1:58:58 PM
Surr: 2-Fluorobiphenyl	63.6	30.9-98.9		%REC	1	11/10/2010 1:58:58 PM
Surr: 2-Fluorophenol	47.6	12.4-90.1		%REC	1	11/10/2010 1:58:58 PM
Surr: 4-Terphenyl-d14	79.7	43.5-91.9		%REC	1	11/10/2010 1:58:58 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:29:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	71.0	26.2-108		%REC	1	11/10/2010 1:58:58 PM
Surr: Phenol-d5	51.4	11.8-73.1		%REC	1	11/10/2010 1:58:58 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	4200	100		µg/L	100	11/5/2010 1:48:17 AM
Toluene	12000	500		µg/L	500	11/5/2010 1:20:55 AM
Ethylbenzene	1500	100		µg/L	100	11/5/2010 1:48:17 AM
Methyl tert-butyl ether (MTBE)	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2,4-Trimethylbenzene	1400	100		µg/L	100	11/5/2010 1:48:17 AM
1,3,5-Trimethylbenzene	440	100		µg/L	100	11/5/2010 1:48:17 AM
1,2-Dichloroethane (EDC)	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Naphthalene	490	200		µg/L	100	11/5/2010 1:48:17 AM
1-Methylnaphthalene	ND	400		µg/L	100	11/5/2010 1:48:17 AM
2-Methylnaphthalene	470	400		µg/L	100	11/5/2010 1:48:17 AM
Acetone	ND	1000		µg/L	100	11/5/2010 1:48:17 AM
Bromobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Bromodichloromethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Bromoform	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Bromomethane	ND	300		µg/L	100	11/5/2010 1:48:17 AM
2-Butanone	ND	1000		µg/L	100	11/5/2010 1:48:17 AM
Carbon disulfide	ND	1000		µg/L	100	11/5/2010 1:48:17 AM
Carbon Tetrachloride	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Chlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Chloroethane	ND	200		µg/L	100	11/5/2010 1:48:17 AM
Chloroform	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Chloromethane	ND	300		µg/L	100	11/5/2010 1:48:17 AM
2-Chlorotoluene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
4-Chlorotoluene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
cis-1,2-DCE	ND	100		µg/L	100	11/5/2010 1:48:17 AM
cis-1,3-Dichloropropene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	11/5/2010 1:48:17 AM
Dibromochloromethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Dibromomethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2-Dichlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,3-Dichlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,4-Dichlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Dichlorodifluoromethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1-Dichloroethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1-Dichloroethene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2-Dichloropropane	ND	100		µg/L	100	11/5/2010 1:48:17 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:29:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3-Dichloropropane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
2,2-Dichloropropane	ND	200		µg/L	100	11/5/2010 1:48:17 AM
1,1-Dichloropropene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Hexachlorobutadiene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
2-Hexanone	ND	1000		µg/L	100	11/5/2010 1:48:17 AM
Isopropylbenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
4-Isopropyltoluene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
4-Methyl-2-pentanone	ND	1000		µg/L	100	11/5/2010 1:48:17 AM
Methylene Chloride	ND	300		µg/L	100	11/5/2010 1:48:17 AM
n-Butylbenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
n-Propylbenzene	210	100		µg/L	100	11/5/2010 1:48:17 AM
sec-Butylbenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Styrene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
tert-Butylbenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	11/5/2010 1:48:17 AM
Tetrachloroethene (PCE)	ND	100		µg/L	100	11/5/2010 1:48:17 AM
trans-1,2-DCE	ND	100		µg/L	100	11/5/2010 1:48:17 AM
trans-1,3-Dichloropropene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1,1-Trichloroethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1,2-Trichloroethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Trichloroethene (TCE)	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Trichlorofluoromethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2,3-Trichloropropane	ND	200		µg/L	100	11/5/2010 1:48:17 AM
Vinyl chloride	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Xylenes, Total	8400	150		µg/L	100	11/5/2010 1:48:17 AM
Surr: 1,2-Dichloroethane-d4	98.2	77.7-113		%REC	100	11/5/2010 1:48:17 AM
Surr: 4-Bromofluorobenzene	102	76.4-106		%REC	100	11/5/2010 1:48:17 AM
Surr: Dibromofluoromethane	104	91.6-125		%REC	100	11/5/2010 1:48:17 AM
Surr: Toluene-d8	98.1	92.3-107		%REC	100	11/5/2010 1:48:17 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL 2 to EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:43:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	98	1.0		mg/L	1	11/10/2010 1:08:10 PM
Motor Oil Range Organics (MRO)	14	5.0		mg/L	1	11/10/2010 1:08:10 PM
Surr: DNOP	120	86.9-151		%REC	1	11/10/2010 1:08:10 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.36	0.25		mg/L	5	11/6/2010 2:00:52 AM
Surr: BFB	116	84.5-118		%REC	5	11/6/2010 2:00:52 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	77	5.0		mg/L	50	11/4/2010 10:15:13 PM
Chloride	230	10		mg/L	20	11/4/2010 9:57:48 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/4/2010 9:57:48 PM
Nitrogen, Nitrate (As N)	4.0	2.0		mg/L	20	11/4/2010 9:57:48 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	11/4/2010 9:57:48 PM
Sulfate	880	25		mg/L	50	11/4/2010 10:15:13 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	0.00046	0.00020		mg/L	1	11/10/2010 12:43:22 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/17/2010 7:27:29 PM
Barium	0.035	0.020		mg/L	1	11/17/2010 7:27:29 PM
Cadmium	ND	0.0020		mg/L	1	11/17/2010 7:27:29 PM
Calcium	31	1.0		mg/L	1	11/17/2010 7:27:29 PM
Chromium	0.0066	0.0060		mg/L	1	11/17/2010 7:27:29 PM
Copper	ND	0.0060		mg/L	1	11/17/2010 7:27:29 PM
Iron	2.6	0.10		mg/L	5	11/17/2010 7:33:18 PM
Lead	ND	0.0050		mg/L	1	11/17/2010 7:27:29 PM
Magnesium	11	1.0		mg/L	1	11/17/2010 7:27:29 PM
Manganese	0.13	0.0020		mg/L	1	11/17/2010 7:27:29 PM
Potassium	36	1.0		mg/L	1	11/17/2010 7:27:29 PM
Selenium	ND	0.050		mg/L	1	11/17/2010 7:27:29 PM
Silver	ND	0.0050		mg/L	1	11/17/2010 7:27:29 PM
Sodium	630	10		mg/L	10	11/22/2010 9:34:04 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 1:00:06 PM
Barium	0.077	0.020		mg/L	1	11/9/2010 1:00:06 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 1:00:06 PM
Chromium	0.020	0.0060		mg/L	1	11/9/2010 1:00:06 PM
Copper	0.0086	0.0060		mg/L	1	11/9/2010 1:00:06 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL 2 to EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:43:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Iron	11	1.0		mg/L	20	11/9/2010 2:30:03 PM
Lead	ND	0.0050		mg/L	1	11/9/2010 1:00:06 PM
Manganese	0.14	0.0020		mg/L	1	11/9/2010 1:00:06 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 1:00:06 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 1:00:06 PM
Zinc	0.55	0.020		mg/L	1	11/9/2010 1:00:06 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Acenaphthylene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Aniline	160	50		µg/L	1	11/10/2010 2:28:54 PM
Anthracene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Azobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benz(a)anthracene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benzoic acid	130	100		µg/L	1	11/10/2010 2:28:54 PM
Benzyl alcohol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Carbazole	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Chloroaniline	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Chlorophenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Chrysene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Dibenzofuran	ND	50		µg/L	1	11/10/2010 2:28:54 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/10/2010 2:28:54 PM

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

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL 2 to EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:43:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Dimethyl phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/10/2010 2:28:54 PM
2,4-Dimethylphenol	310	50		µg/L	1	11/10/2010 2:28:54 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/10/2010 2:28:54 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/10/2010 2:28:54 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Fluoranthene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Fluorene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Hexachlorobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Hexachloroethane	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Isophorone	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Methylphenol	1700	500		µg/L	10	11/10/2010 6:55:11 PM
3+4-Methylphenol	4300	500		µg/L	10	11/10/2010 6:55:11 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/10/2010 2:28:54 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/10/2010 2:28:54 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Naphthalene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Nitroaniline	ND	50		µg/L	1	11/10/2010 2:28:54 PM
3-Nitroaniline	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Nitroaniline	ND	100		µg/L	1	11/10/2010 2:28:54 PM
Nitrobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Nitrophenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Nitrophenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Pentachlorophenol	ND	100		µg/L	1	11/10/2010 2:28:54 PM
Phenanthrene	68	50		µg/L	1	11/10/2010 2:28:54 PM
Phenol	6300	500		µg/L	10	11/10/2010 6:55:11 PM
Pyrene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Pyridine	ND	50		µg/L	1	11/10/2010 2:28:54 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Surr: 2,4,6-Tribromophenol	76.0	17.5-104		%REC	1	11/10/2010 2:28:54 PM
Surr: 2-Fluorobiphenyl	73.5	30.9-98.9		%REC	1	11/10/2010 2:28:54 PM
Surr: 2-Fluorophenol	56.8	12.4-90.1		%REC	1	11/10/2010 2:28:54 PM
Surr: 4-Terphenyl-d14	85.5	43.5-91.9		%REC	1	11/10/2010 2:28:54 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL 2 to EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:43:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	74.1	26.2-108		%REC	1	11/10/2010 2:28:54 PM
Surr: Phenol-d5	49.5	11.8-73.1		%REC	1	11/10/2010 2:28:54 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Toluene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Ethylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Naphthalene	ND	10		µg/L	5	11/5/2010 3:10:33 AM
1-Methylnaphthalene	24	20		µg/L	5	11/5/2010 3:10:33 AM
2-Methylnaphthalene	41	20		µg/L	5	11/5/2010 3:10:33 AM
Acetone	1800	200		µg/L	20	11/5/2010 2:43:06 AM
Bromobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Bromodichloromethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Bromoform	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Bromomethane	ND	15		µg/L	5	11/5/2010 3:10:33 AM
2-Butanone	140	50		µg/L	5	11/5/2010 3:10:33 AM
Carbon disulfide	ND	50		µg/L	5	11/5/2010 3:10:33 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Chlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Chloroethane	ND	10		µg/L	5	11/5/2010 3:10:33 AM
Chloroform	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Chloromethane	ND	15		µg/L	5	11/5/2010 3:10:33 AM
2-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
4-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
cis-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/5/2010 3:10:33 AM
Dibromochloromethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Dibromomethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL 2 to EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:43:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
2,2-Dichloropropane	ND	10		µg/L	5	11/5/2010 3:10:33 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
2-Hexanone	ND	50		µg/L	5	11/5/2010 3:10:33 AM
Isopropylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/5/2010 3:10:33 AM
Methylene Chloride	ND	15		µg/L	5	11/5/2010 3:10:33 AM
n-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
n-Propylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
sec-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Styrene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
tert-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/5/2010 3:10:33 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
trans-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/5/2010 3:10:33 AM
Vinyl chloride	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Xylenes, Total	ND	7.5		µg/L	5	11/5/2010 3:10:33 AM
Surr: 1,2-Dichloroethane-d4	91.2	77.7-113		%REC	5	11/5/2010 3:10:33 AM
Surr: 4-Bromofluorobenzene	94.8	76.4-106		%REC	5	11/5/2010 3:10:33 AM
Surr: Dibromofluoromethane	99.9	91.6-125		%REC	5	11/5/2010 3:10:33 AM
Surr: Toluene-d8	96.4	92.3-107		%REC	5	11/5/2010 3:10:33 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:10:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	15	1.0		mg/L	1	11/10/2010 1:42:18 PM
Motor Oil Range Organics (MRO)	9.5	5.0		mg/L	1	11/10/2010 1:42:18 PM
Surr: DNOP	143	86.9-151		%REC	1	11/10/2010 1:42:18 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.065	0.050		mg/L	1	11/8/2010 2:35:35 PM
Surr: BFB	95.0	84.5-118		%REC	1	11/8/2010 2:35:35 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:48:52 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	11/17/2010 7:36:22 PM
Barium	ND	0.10		mg/L	5	11/17/2010 7:36:22 PM
Cadmium	ND	0.010		mg/L	5	11/17/2010 7:36:22 PM
Calcium	130	5.0		mg/L	5	11/17/2010 7:36:22 PM
Chromium	ND	0.030		mg/L	5	11/17/2010 7:36:22 PM
Copper	ND	0.030		mg/L	5	11/17/2010 7:36:22 PM
Iron	ND	0.10		mg/L	5	11/17/2010 7:36:22 PM
Lead	ND	0.025		mg/L	5	11/17/2010 7:36:22 PM
Magnesium	31	5.0		mg/L	5	11/17/2010 7:36:22 PM
Manganese	0.052	0.010		mg/L	5	11/17/2010 7:36:22 PM
Potassium	21	5.0		mg/L	5	11/17/2010 7:36:22 PM
Selenium	ND	0.25		mg/L	5	11/17/2010 7:36:22 PM
Silver	ND	0.025		mg/L	5	11/17/2010 7:36:22 PM
Sodium	250	5.0		mg/L	5	11/17/2010 7:36:22 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 1:04:19 PM
Barium	ND	0.020		mg/L	1	11/9/2010 1:04:19 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 1:04:19 PM
Chromium	ND	0.0060		mg/L	1	11/9/2010 1:04:19 PM
Copper	0.091	0.0060		mg/L	1	11/9/2010 1:04:19 PM
Iron	0.64	0.050		mg/L	1	11/9/2010 1:04:19 PM
Lead	ND	0.0050		mg/L	1	11/9/2010 1:04:19 PM
Manganese	0.055	0.0020		mg/L	1	11/9/2010 1:04:19 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 1:04:19 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 1:04:19 PM
Zinc	0.18	0.020		mg/L	1	11/9/2010 1:04:19 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:10:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Toluene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Ethylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Naphthalene	ND	10		µg/L	5	11/5/2010 4:05:23 AM
1-Methylnaphthalene	ND	20		µg/L	5	11/5/2010 4:05:23 AM
2-Methylnaphthalene	ND	20		µg/L	5	11/5/2010 4:05:23 AM
Acetone	98	50		µg/L	5	11/5/2010 4:05:23 AM
Bromobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Bromodichloromethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Bromoform	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Bromomethane	ND	15		µg/L	5	11/5/2010 4:05:23 AM
2-Butanone	ND	50		µg/L	5	11/5/2010 4:05:23 AM
Carbon disulfide	ND	50		µg/L	5	11/5/2010 4:05:23 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Chlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Chloroethane	ND	10		µg/L	5	11/5/2010 4:05:23 AM
Chloroform	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Chloromethane	ND	15		µg/L	5	11/5/2010 4:05:23 AM
2-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
4-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
cis-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/5/2010 4:05:23 AM
Dibromochloromethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Dibromomethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
2,2-Dichloropropane	ND	10		µg/L	5	11/5/2010 4:05:23 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:10:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	50		µg/L	5	11/5/2010 4:05:23 AM
Isopropylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/5/2010 4:05:23 AM
Methylene Chloride	ND	15		µg/L	5	11/5/2010 4:05:23 AM
n-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
n-Propylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
sec-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Styrene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
tert-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/5/2010 4:05:23 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
trans-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/5/2010 4:05:23 AM
Vinyl chloride	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Xylenes, Total	ND	7.5		µg/L	5	11/5/2010 4:05:23 AM
Surr: 1,2-Dichloroethane-d4	106	77.7-113		%REC	5	11/5/2010 4:05:23 AM
Surr: 4-Bromofluorobenzene	100	76.4-106		%REC	5	11/5/2010 4:05:23 AM
Surr: Dibromofluoromethane	105	91.6-125		%REC	5	11/5/2010 4:05:23 AM
Surr: Toluene-d8	101	92.3-107		%REC	5	11/5/2010 4:05:23 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:30:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	81	5.0		mg/L	5	11/11/2010 9:04:06 AM
Motor Oil Range Organics (MRO)	44	25		mg/L	5	11/11/2010 9:04:06 AM
Surr: DNOP	173	86.9-151	S	%REC	5	11/11/2010 9:04:06 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	8.0	0.25		mg/L	5	11/6/2010 2:58:43 AM
Surr: BFB	319	84.6-118	S	%REC	5	11/6/2010 2:58:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	95	5.0		mg/L	50	11/4/2010 10:50:02 PM
Chloride	250	10		mg/L	20	11/4/2010 10:32:37 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/4/2010 10:32:37 PM
Nitrogen, Nitrate (As N)	14	2.0		mg/L	20	11/4/2010 10:32:37 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	11/4/2010 10:32:37 PM
Sulfate	950	10		mg/L	20	11/4/2010 10:32:37 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Acenaphthylene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Aniline	580	50		µg/L	1	11/10/2010 2:58:36 PM
Anthracene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Azobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benz(a)anthracene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benzoic acid	320	100		µg/L	1	11/10/2010 2:58:36 PM
Benzyl alcohol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Carbazole	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Chloroaniline	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2-Chlorophenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 2:58:36 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:30:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Chrysene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Dibenzofuran	ND	50		µg/L	1	11/10/2010 2:58:36 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Diethyl phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Dimethyl phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/10/2010 2:58:36 PM
2,4-Dimethylphenol	420	50		µg/L	1	11/10/2010 2:58:36 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/10/2010 2:58:36 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/10/2010 2:58:36 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Fluoranthene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Fluorene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Hexachlorobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Hexachloroethane	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Isophorone	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2-Methylnaphthalene	300	50		µg/L	1	11/10/2010 2:58:36 PM
2-Methylphenol	1500	500		µg/L	10	11/10/2010 7:24:26 PM
3+4-Methylphenol	3100	500		µg/L	10	11/10/2010 7:24:26 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/10/2010 2:58:36 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/10/2010 2:58:36 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Naphthalene	80	50		µg/L	1	11/10/2010 2:58:36 PM
2-Nitroaniline	ND	50		µg/L	1	11/10/2010 2:58:36 PM
3-Nitroaniline	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Nitroaniline	ND	100		µg/L	1	11/10/2010 2:58:36 PM
Nitrobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2-Nitrophenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Nitrophenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Pentachlorophenol	ND	100		µg/L	1	11/10/2010 2:58:36 PM
Phenanthrene	170	50		µg/L	1	11/10/2010 2:58:36 PM
Phenol	5500	500		µg/L	10	11/10/2010 7:24:26 PM

Qualifiers:

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

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:30:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyrene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Pyridine	ND	50		µg/L	1	11/10/2010 2:58:36 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Surr: 2,4,6-Tribromophenol	59.2	17.5-104		%REC	1	11/10/2010 2:58:36 PM
Surr: 2-Fluorobiphenyl	72.1	30.9-98.9		%REC	1	11/10/2010 2:58:36 PM
Surr: 2-Fluorophenol	68.1	12.4-90.1		%REC	1	11/10/2010 2:58:36 PM
Surr: 4-Terphenyl-d14	80.7	43.5-91.9		%REC	1	11/10/2010 2:58:36 PM
Surr: Nitrobenzene-d5	81.1	26.2-108		%REC	1	11/10/2010 2:58:36 PM
Surr: Phenol-d5	56.2	11.8-73.1		%REC	1	11/10/2010 2:58:36 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	11	5.0		µg/L	5	11/5/2010 5:00:10 AM
Toluene	56	5.0		µg/L	5	11/5/2010 5:00:10 AM
Ethylbenzene	19	5.0		µg/L	5	11/5/2010 5:00:10 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2,4-Trimethylbenzene	140	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,3,5-Trimethylbenzene	47	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Naphthalene	78	10		µg/L	5	11/5/2010 5:00:10 AM
1-Methylnaphthalene	150	20		µg/L	5	11/5/2010 5:00:10 AM
2-Methylnaphthalene	250	20		µg/L	5	11/5/2010 5:00:10 AM
Acetone	830	50		µg/L	5	11/5/2010 5:00:10 AM
Bromobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Bromodichloromethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Bromoform	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Bromomethane	ND	15		µg/L	5	11/5/2010 5:00:10 AM
2-Butanone	ND	50		µg/L	5	11/5/2010 5:00:10 AM
Carbon disulfide	ND	50		µg/L	5	11/5/2010 5:00:10 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Chlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Chloroethane	ND	10		µg/L	5	11/5/2010 5:00:10 AM
Chloroform	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Chloromethane	ND	15		µg/L	5	11/5/2010 5:00:10 AM
2-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
4-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
cis-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/5/2010 5:00:10 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:30:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Dibromochloromethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Dibromomethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
2,2-Dichloropropane	ND	10		µg/L	5	11/5/2010 5:00:10 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
2-Hexanone	ND	50		µg/L	5	11/5/2010 5:00:10 AM
Isopropylbenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/5/2010 5:00:10 AM
Methylene Chloride	ND	15		µg/L	5	11/5/2010 5:00:10 AM
n-Butylbenzene	29	5.0		µg/L	5	11/5/2010 5:00:10 AM
n-Propylbenzene	19	5.0		µg/L	5	11/5/2010 5:00:10 AM
sec-Butylbenzene	6.2	5.0		µg/L	5	11/5/2010 5:00:10 AM
Styrene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
tert-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/5/2010 5:00:10 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
trans-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/5/2010 5:00:10 AM
Vinyl chloride	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Xylenes, Total	130	7.5		µg/L	5	11/5/2010 5:00:10 AM
Surr: 1,2-Dichloroethane-d4	95.2	77.7-113		%REC	5	11/5/2010 5:00:10 AM
Surr: 4-Bromofluorobenzene	109	76.4-106	S	%REC	5	11/5/2010 5:00:10 AM
Surr: Dibromofluoromethane	97.8	91.6-125		%REC	5	11/5/2010 5:00:10 AM
Surr: Toluene-d8	104	92.3-107		%REC	5	11/5/2010 5:00:10 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:30:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						**Analyst: MMS**

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:45:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	70	1.0		mg/L	1	11/10/2010 3:24:39 PM
Motor Oil Range Organics (MRO)	9.3	5.0		mg/L	1	11/10/2010 3:24:39 PM
Surr: DNOP	127	86.9-151		%REC	1	11/10/2010 3:24:39 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.69	0.25		mg/L	5	11/6/2010 3:27:36 AM
Surr: BFB	128	84.5-118	S	%REC	5	11/6/2010 3:27:36 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	160	5.0		mg/L	50	11/4/2010 11:59:42 PM
Chloride	210	10		mg/L	20	11/4/2010 11:42:17 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/4/2010 11:42:17 PM
Nitrogen, Nitrate (As N)	5.7	2.0		mg/L	20	11/4/2010 11:42:17 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	11/4/2010 11:42:17 PM
Sulfate	990	10		mg/L	20	11/4/2010 11:42:17 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Acenaphthylene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Aniline	210	50		µg/L	1	11/10/2010 3:28:30 PM
Anthracene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Azobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benz(a)anthracene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benzoic acid	140	100		µg/L	1	11/10/2010 3:28:30 PM
Benzyl alcohol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Carbazole	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Chloroaniline	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Chlorophenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 3:28:30 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:45:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Chrysene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Dibenzofuran	ND	50		µg/L	1	11/10/2010 3:28:30 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Diethyl phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Dimethyl phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/10/2010 3:28:30 PM
2,4-Dimethylphenol	300	50		µg/L	1	11/10/2010 3:28:30 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/10/2010 3:28:30 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/10/2010 3:28:30 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Fluoranthene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Fluorene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Hexachlorobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Hexachloroethane	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Isophorone	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Methylphenol	1700	500		µg/L	10	11/10/2010 7:53:47 PM
3+4-Methylphenol	3800	500		µg/L	10	11/10/2010 7:53:47 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/10/2010 3:28:30 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/10/2010 3:28:30 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Naphthalene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Nitroaniline	ND	50		µg/L	1	11/10/2010 3:28:30 PM
3-Nitroaniline	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Nitroaniline	ND	100		µg/L	1	11/10/2010 3:28:30 PM
Nitrobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Nitrophenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Nitrophenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Pentachlorophenol	ND	100		µg/L	1	11/10/2010 3:28:30 PM
Phenanthrene	53	50		µg/L	1	11/10/2010 3:28:30 PM
Phenol	6100	500		µg/L	10	11/10/2010 7:53:47 PM

Qualifiers:

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

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:45:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyrene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Pyridine	ND	50		µg/L	1	11/10/2010 3:28:30 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Surr: 2,4,6-Tribromophenol	73.6	17.5-104		%REC	1	11/10/2010 3:28:30 PM
Surr: 2-Fluorobiphenyl	73.3	30.9-98.9		%REC	1	11/10/2010 3:28:30 PM
Surr: 2-Fluorophenol	64.9	12.4-90.1		%REC	1	11/10/2010 3:28:30 PM
Surr: 4-Terphenyl-d14	82.1	43.5-91.9		%REC	1	11/10/2010 3:28:30 PM
Surr: Nitrobenzene-d5	87.1	26.2-108		%REC	1	11/10/2010 3:28:30 PM
Surr: Phenol-d5	48.1	11.8-73.1		%REC	1	11/10/2010 3:28:30 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Toluene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Ethylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2,4-Trimethylbenzene	6.0	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Naphthalene	ND	10		µg/L	5	11/5/2010 6:22:15 AM
1-Methylnaphthalene	26	20		µg/L	5	11/5/2010 6:22:15 AM
2-Methylnaphthalene	41	20		µg/L	5	11/5/2010 6:22:15 AM
Acetone	1700	500		µg/L	50	11/5/2010 5:54:53 AM
Bromobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Bromodichloromethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Bromoform	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Bromomethane	ND	15		µg/L	5	11/5/2010 6:22:15 AM
2-Butanone	ND	50		µg/L	5	11/5/2010 6:22:15 AM
Carbon disulfide	ND	50		µg/L	5	11/5/2010 6:22:15 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Chlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Chloroethane	ND	10		µg/L	5	11/5/2010 6:22:15 AM
Chloroform	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Chloromethane	ND	15		µg/L	5	11/5/2010 6:22:15 AM
2-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
4-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
cis-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/5/2010 6:22:15 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:45:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Dibromochloromethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Dibromomethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
2,2-Dichloropropane	ND	10		µg/L	5	11/5/2010 6:22:15 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
2-Hexanone	ND	50		µg/L	5	11/5/2010 6:22:15 AM
Isopropylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/5/2010 6:22:15 AM
Methylene Chloride	ND	15		µg/L	5	11/5/2010 6:22:15 AM
n-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
n-Propylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
sec-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Styrene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
tert-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/5/2010 6:22:15 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
trans-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/5/2010 6:22:15 AM
Vinyl chloride	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Xylenes, Total	ND	7.5		µg/L	5	11/5/2010 6:22:15 AM
Surr: 1,2-Dichloroethane-d4	96.5	77.7-113		%REC	5	11/5/2010 6:22:15 AM
Surr: 4-Bromofluorobenzene	90.0	76.4-106		%REC	5	11/5/2010 6:22:15 AM
Surr: Dibromofluoromethane	99.1	91.6-125		%REC	5	11/5/2010 6:22:15 AM
Surr: Toluene-d8	100	92.3-107		%REC	5	11/5/2010 6:22:15 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:45:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 4:05:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	45	1.0		mg/L	1	11/10/2010 3:58:47 PM
Motor Oil Range Organics (MRO)	7.0	5.0		mg/L	1	11/10/2010 3:58:47 PM
Surr: DNOP	123	86.9-151		%REC	1	11/10/2010 3:58:47 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.34	0.25		mg/L	5	11/6/2010 3:56:31 AM
Surr: BFB	116	84.5-118		%REC	5	11/6/2010 3:56:31 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	100	5.0		mg/L	50	11/5/2010 12:34:32 AM
Chloride	220	10		mg/L	20	11/5/2010 12:17:07 AM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/5/2010 12:17:07 AM
Nitrogen, Nitrate (As N)	6.1	2.0		mg/L	20	11/5/2010 12:17:07 AM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	11/5/2010 12:17:07 AM
Sulfate	940	25		mg/L	50	11/5/2010 12:34:32 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Calcium	40	1.0		mg/L	1	11/9/2010 1:21:41 PM
Magnesium	12	1.0		mg/L	1	11/9/2010 1:21:41 PM
Potassium	40	1.0		mg/L	1	11/9/2010 1:21:41 PM
Sodium	660	10		mg/L	10	11/9/2010 3:33:44 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Acenaphthylene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Aniline	250	50		µg/L	1	11/10/2010 3:58:13 PM
Anthracene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Azobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benz(a)anthracene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benzoic acid	140	100		µg/L	1	11/10/2010 3:58:13 PM
Benzyl alcohol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 4:05:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Carbazole	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Chloroaniline	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Chlorophenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Chrysene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Dibenzofuran	ND	50		µg/L	1	11/10/2010 3:58:13 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Diethyl phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Dimethyl phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/10/2010 3:58:13 PM
2,4-Dimethylphenol	370	50		µg/L	1	11/10/2010 3:58:13 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/10/2010 3:58:13 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/10/2010 3:58:13 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Fluoranthene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Fluorene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Hexachlorobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Hexachloroethane	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Isophorone	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Methylphenol	1600	500		µg/L	10	11/10/2010 8:23:03 PM
3+4-Methylphenol	3700	500		µg/L	10	11/10/2010 8:23:03 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/10/2010 3:58:13 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/10/2010 3:58:13 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Naphthalene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Nitroaniline	ND	50		µg/L	1	11/10/2010 3:58:13 PM
3-Nitroaniline	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Nitroaniline	ND	100		µg/L	1	11/10/2010 3:58:13 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 4:05:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Nitrobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Nitrophenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Nitrophenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Pentachlorophenol	ND	100		µg/L	1	11/10/2010 3:58:13 PM
Phenanthrene	60	50		µg/L	1	11/10/2010 3:58:13 PM
Phenol	5900	500		µg/L	10	11/10/2010 8:23:03 PM
Pyrene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Pyridine	ND	50		µg/L	1	11/10/2010 3:58:13 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Surr: 2,4,6-Tribromophenol	68.4	17.5-104		%REC	1	11/10/2010 3:58:13 PM
Surr: 2-Fluorobiphenyl	71.8	30.9-98.9		%REC	1	11/10/2010 3:58:13 PM
Surr: 2-Fluorophenol	58.3	12.4-90.1		%REC	1	11/10/2010 3:58:13 PM
Surr: 4-Terphenyl-d14	76.3	43.5-91.9		%REC	1	11/10/2010 3:58:13 PM
Surr: Nitrobenzene-d5	81.5	26.2-108		%REC	1	11/10/2010 3:58:13 PM
Surr: Phenol-d5	47.3	11.8-73.1		%REC	1	11/10/2010 3:58:13 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Toluene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Ethylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Naphthalene	ND	10		µg/L	5	11/5/2010 7:44:31 AM
1-Methylnaphthalene	ND	20		µg/L	5	11/5/2010 7:44:31 AM
2-Methylnaphthalene	21	20		µg/L	5	11/5/2010 7:44:31 AM
Acetone	1500	200		µg/L	20	11/5/2010 7:17:07 AM
Bromobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Bromodichloromethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Bromoform	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Bromomethane	ND	15		µg/L	5	11/5/2010 7:44:31 AM
2-Butanone	130	50		µg/L	5	11/5/2010 7:44:31 AM
Carbon disulfide	ND	50		µg/L	5	11/5/2010 7:44:31 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Chlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Chloroethane	ND	10		µg/L	5	11/5/2010 7:44:31 AM
Chloroform	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM

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

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 4:05:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Chloromethane	ND	15		µg/L	5	11/5/2010 7:44:31 AM
2-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
4-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
cis-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/5/2010 7:44:31 AM
Dibromochloromethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Dibromomethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
2,2-Dichloropropane	ND	10		µg/L	5	11/5/2010 7:44:31 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
2-Hexanone	ND	50		µg/L	5	11/5/2010 7:44:31 AM
Isopropylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/5/2010 7:44:31 AM
Methylene Chloride	ND	15		µg/L	5	11/5/2010 7:44:31 AM
n-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
n-Propylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
sec-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Styrene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
tert-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/5/2010 7:44:31 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
trans-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/5/2010 7:44:31 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
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- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 4:05:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Vinyl chloride	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Xylenes, Total	ND	7.5		µg/L	5	11/5/2010 7:44:31 AM
Surr: 1,2-Dichloroethane-d4	98.5	77.7-113		%REC	5	11/5/2010 7:44:31 AM
Surr: 4-Bromofluorobenzene	100	76.4-108		%REC	5	11/5/2010 7:44:31 AM
Surr: Dibromofluoromethane	99.5	91.6-125		%REC	5	11/5/2010 7:44:31 AM
Surr: Toluene-d8	99.6	92.3-107		%REC	5	11/5/2010 7:44:31 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	4000	0.010		µmhos/cm	1	11/11/2010 10:17:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.54	0.100		pH units	1	11/11/2010 10:17:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:00:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Toluene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Ethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Naphthalene	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2010 8:02:26 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2010 8:02:26 PM
Acetone	ND	10		µg/L	1	11/10/2010 8:02:26 PM
Bromobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Bromoform	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Bromomethane	ND	3.0		µg/L	1	11/10/2010 8:02:26 PM
2-Butanone	ND	10		µg/L	1	11/10/2010 8:02:26 PM
Carbon disulfide	ND	10		µg/L	1	11/10/2010 8:02:26 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Chlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Chloroethane	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
Chloroform	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Chloromethane	ND	3.0		µg/L	1	11/10/2010 8:02:26 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Dibromomethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:00:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	11/10/2010 8:02:26 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/10/2010 8:02:26 PM
Methylene Chloride	ND	3.0		µg/L	1	11/10/2010 8:02:26 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Styrene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
Vinyl chloride	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Xylenes, Total	ND	1.5		µg/L	1	11/10/2010 8:02:26 PM
Surr: 1,2-Dichloroethane-d4	95.9	77.7-113		%REC	1	11/10/2010 8:02:26 PM
Surr: 4-Bromofluorobenzene	97.8	76.4-106		%REC	1	11/10/2010 8:02:26 PM
Surr: Dibromofluoromethane	94.0	91.6-125		%REC	1	11/10/2010 8:02:26 PM
Surr: Toluene-d8	101	92.3-107		%REC	1	11/10/2010 8:02:26 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:00:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Toluene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Ethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Naphthalene	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2010 8:30:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2010 8:30:47 PM
Acetone	ND	10		µg/L	1	11/10/2010 8:30:47 PM
Bromobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Bromoform	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Bromomethane	ND	3.0		µg/L	1	11/10/2010 8:30:47 PM
2-Butanone	ND	10		µg/L	1	11/10/2010 8:30:47 PM
Carbon disulfide	ND	10		µg/L	1	11/10/2010 8:30:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Chlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Chloroethane	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
Chloroform	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Chloromethane	ND	3.0		µg/L	1	11/10/2010 8:30:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Dibromomethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:00:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	11/10/2010 8:30:47 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/10/2010 8:30:47 PM
Methylene Chloride	ND	3.0		µg/L	1	11/10/2010 8:30:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Styrene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
Vinyl chloride	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Xylenes, Total	ND	1.5		µg/L	1	11/10/2010 8:30:47 PM
Surr: 1,2-Dichloroethane-d4	97.9	77.7-113		%REC	1	11/10/2010 8:30:47 PM
Surr: 4-Bromofluorobenzene	97.9	76.4-106		%REC	1	11/10/2010 8:30:47 PM
Surr: Dibromofluoromethane	95.6	91.6-125		%REC	1	11/10/2010 8:30:47 PM
Surr: Toluene-d8	98.5	92.3-107		%REC	1	11/10/2010 8:30:47 PM

Qualifiers:

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

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-001**

Description: **1011223-03G/Pilot Eff** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1510**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	1	11/09/2010 1552	ARW	11/08/2010 1007	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		**SM 5220D**	**900**		**10**	**mg/L**	**1**

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-002**

Description: **1011223-03H/Pilot Eff** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1510**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1		SAS	11/05/2010 1251	6010

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**270**		**2.0**	**mg/L**	**1**

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

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-003**

Description: **1011223-04C/Infl to AL-1** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1530**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	2	11/09/2010 1552	ARW	11/08/2010 1007	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		SM 5220D	1100		20	mg/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-004**

Description: **1011223-04D/Infl to AL-1** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1530**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1		SAS	11/05/2010 1251	6010

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**530**		**2.0**	**mg/L**	**1**

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

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-005**

Description: **1011223-05C/Infl to AL-2** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1545**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	2	11/09/2010 1552	ARW	11/08/2010 1007	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		**SM 5220D**	**1700**		**20**	**mg/L**	**1**

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

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-006**

Description: **1011223-05D/Infl to AL-2** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1545**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1		SAS	11/05/2010 1251	6010

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		SM 5210B	920		2.0	mg/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-007**

Description: **1011223-06D/Infl to EP-1** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1605**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	2	11/09/2010 1552	ARW	11/08/2010 1007	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		**SM 5220D**	**1700**		**20**	**mg/L**	**1**

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

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory**
Description: **1011223-06E/Infl to EP-1**
Date Sampled: **11/03/2010 1605**
Date Received: **11/05/2010**

Laboratory ID: **LK05001-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1		SAS	11/05/2010 1251	6010

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**840**		**2.0**	**mg/L**	**1**

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

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

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

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1[redacted]ntage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011223
Lab ID: B10111137-001
Client Sample ID 1011223-01C & 01E Napis Eff

Report Date: 11/29/10
Collection Date: 11/03/10 10:29
DateReceived: 11/11/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	11/12/10 20:31 / tao
METALS, TOTAL							
Uranium	0.005	mg/L		0.001		SW6020	11/15/10 19:25 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011223
Lab ID: B10111137-002
Client Sample ID 1011223-02C & -02E AL 2 to EP-1

Report Date: 11/29/10
Collection Date: 11/03/10 10:43
DateReceived: 11/11/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	11/12/10 20:47 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/15/10 19:14 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011223
Lab ID: B10111137-003
Client Sample ID 1011223-03C & -03E Pilot Eff

Report Date: 11/29/10
Collection Date: 11/03/10 15:10
DateReceived: 11/11/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/18/10 08:55 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/18/10 09:09 / tao

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

QA/QC Summary Report

Client: Hall Environmental
Project: 1011223

Report Date: 11/29/10
Work Order: B10111137

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_101112A	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard								11/12/10 11:53
Uranium		0.0185	mg/L	0.00030	93	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								11/12/10 12:02
Uranium		0.000173	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 1		Interference Check Sample AB								11/12/10 12:06
Uranium		9.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R157176
Sample ID: B10111137-001AMS		Sample Matrix Spike				Run: ICPMS202-B_101112A				11/12/10 20:35
Uranium		0.260	mg/L	0.0010	103	75	125			
Sample ID: B10111137-001AMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101112A				11/12/10 20:39
Uranium		0.263	mg/L	0.0010	105	75	125	1.3	20	
Sample ID: B10111137-002ADIL		Serial Dilution				Run: ICPMS202-B_101112A				11/12/10 20:51
Uranium		0.00152	mg/L	0.0010		0	0			N
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_101112A				11/12/10 11:57
Uranium		0.0502	mg/L	0.00030	100	85	115			
Sample ID: LRB		Method Blank				Run: ICPMS202-B_101112A				11/12/10 12:26
Uranium		ND	mg/L	2E-05						

Qualifiers:

- Analyte reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011223

Report Date: 11/29/10
Work Order: B10111137

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_101115A	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard							11/15/10 10:57	
Uranium		0.0193	mg/L	0.00030	96	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							11/15/10 11:15	
Uranium		6.50E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 1		Interference Check Sample AB							11/15/10 11:33	
Uranium		1.10E-05	mg/L	0.00030		0	0			
Method: SW6020									Batch: 50479	
Sample ID: MB-50479		Method Blank				Run: ICPMS202-B_101115A			11/15/10 19:09	
Uranium		ND	mg/L	2E-05						
Sample ID: LCS-50479		Laboratory Control Sample				Run: ICPMS202-B_101115A			11/15/10 19:21	
Uranium		0.450	mg/L	0.0010	90	85	115			
Sample ID: B10111137-001BDIL		Serial Dilution				Run: ICPMS202-B_101115A			11/15/10 19:29	
Uranium		0.00100	mg/L	0.0010		0	0		10	N
Sample ID: B10111137-001BMS3		Sample Matrix Spike				Run: ICPMS202-B_101115A			11/15/10 19:37	
Uranium		2.20	mg/L	0.0010	88	75	125			
Sample ID: B10111137-001BMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101115A			11/15/10 19:41	
Uranium		2.28	mg/L	0.0010	91	75	125	3.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011223

Report Date: 11/29/10
Work Order: B10111137

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_101117A	
Sample ID: QCS-100607A,100726		Initial Calibration Verification Standard								11/17/10 23:20
Uranium		0.0180	mg/L	0.00030	90	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								11/17/10 23:35
Uranium		3.00E-06	mg/L	0.00030						
Sample ID: ICSAB-ME091229B,09		Interference Check Sample AB								11/17/10 23:39
Uranium		3.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: 50479
Sample ID: MB-50479		Method Blank				Run: ICPMS203-B_101117A				11/18/10 09:04
Uranium		ND	mg/L	4E-06						
Method: SW6020										Batch: R157377
Sample ID: B10111275-001BMS		Sample Matrix Spike				Run: ICPMS203-B_101117A				11/18/10 19:55
Uranium		0.0964	mg/L	0.0010	96	70	130			
Sample ID: B10111275-001BMSD		Sample Matrix Spike Duplicate				Run: ICPMS203-B_101117A				11/18/10 19:59
Uranium		0.0927	mg/L	0.0010	93	70	130	3.9	20	
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS203-B_101117A				11/17/10 23:25
Uranium		0.0458	mg/L	0.00030	92	85	115			
Sample ID: LRB		Method Blank				Run: ICPMS203-B_101117A				11/18/10 00:03
Uranium		ND	mg/L	2E-06						

Qualifiers:

- Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41986**	Analysis Date:	11/4/2010 1:50:19 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41986**	Analysis Date:	11/5/2010 6:40:08 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42060**	Analysis Date:	11/9/2010 9:32:58 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42098**	Analysis Date:	11/11/2010 12:33:52 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42152**	Analysis Date:	11/15/2010 1:28:51 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R41986**	Analysis Date:	11/4/2010 2:07:43 PM		
Fluoride	0.5183	mg/L	0.10	0.5	0	104	90	110			
Chloride	5.122	mg/L	0.50	5	0	102	90	110			
Nitrogen, Nitrite (As N)	1.044	mg/L	0.10	1	0	104	90	110			
Nitrogen, Nitrate (As N)	2.618	mg/L	0.10	2.5	0	105	90	110			
Phosphorus, Orthophosphate (As P)	4.956	mg/L	0.50	5	0	99.1	90	110			
Sulfate	10.12	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS-B		*LCS*				Batch ID:	**R41986**	Analysis Date:	11/5/2010 10:43:57 AM		
Fluoride	0.5239	mg/L	0.10	0.5	0	105	90	110			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS-B		*LCS*				Batch ID:	**R41986**	Analysis Date:	11/5/2010 10:43:57 AM		
Chloride	5.237	mg/L	0.50	5	0	105	90	110			
Nitrogen, Nitrite (As N)	1.071	mg/L	0.10	1	0	107	90	110			
Nitrogen, Nitrate (As N)	2.671	mg/L	0.10	2.5	0	107	90	110			
Phosphorus, Orthophosphate (As P)	5.079	mg/L	0.50	5	0	102	90	110			
Sulfate	10.43	mg/L	0.50	10	0	104	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42060**	Analysis Date:	11/9/2010 9:50:23 AM		
Fluoride	0.5235	mg/L	0.10	0.5	0	105	90	110			
Chloride	5.048	mg/L	0.50	5	0	101	90	110			
Nitrogen, Nitrite (As N)	1.029	mg/L	0.10	1	0	103	90	110			
Nitrogen, Nitrate (As N)	2.594	mg/L	0.10	2.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.176	mg/L	0.50	5	0	104	90	110			
Sulfate	10.22	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42098**	Analysis Date:	11/11/2010 12:51:17 PM		
Fluoride	0.4987	mg/L	0.10	0.5	0	99.7	90	110			
Chloride	5.004	mg/L	0.50	5	0	100	90	110			
Nitrogen, Nitrite (As N)	1.069	mg/L	0.10	1	0	107	90	110			
Nitrogen, Nitrate (As N)	2.542	mg/L	0.10	2.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.086	mg/L	0.50	5	0	102	90	110			
Sulfate	10.23	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS-b		*LCS*				Batch ID:	**R42152**	Analysis Date:	11/15/2010 4:57:46 PM		
Fluoride	0.5493	mg/L	0.10	0.5	0	110	90	110			
Chloride	5.125	mg/L	0.50	5	0	103	90	110			
Nitrogen, Nitrate (As N)	2.635	mg/L	0.10	2.5	0	105	90	110			
Phosphorus, Orthophosphate (As P)	5.101	mg/L	0.50	5	0	102	90	110			
Sulfate	10.43	mg/L	0.50	10	0	104	90	110			
Sample ID: LCSD		*LCSD*				Batch ID:	**R41986**	Analysis Date:	11/4/2010 4:44:24 PM		
Fluoride	0.5147	mg/L	0.10	0.5	0	103	90	110			
Chloride	5.111	mg/L	0.50	5	0	102	90	110			
Nitrogen, Nitrite (As N)	1.044	mg/L	0.10	1	0	104	90	110			
Nitrogen, Nitrate (As N)	2.601	mg/L	0.10	2.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.021	mg/L	0.50	5	0	100	90	110			
Sulfate	10.23	mg/L	0.50	10	0	102	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24409		*MBLK*				Batch ID:	**24409**	Analysis Date:	11/10/2010 9:09:16 AM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24409		*LCS*				Batch ID:	**24409**	Analysis Date:	11/10/2010 9:43:41 AM		
Diesel Range Organics (DRO)	5.731	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-24409		*LCSD*				Batch ID:	**24409**	Analysis Date:	11/10/2010 10:17:33 AM		
Diesel Range Organics (DRO)	6.331	mg/L	1.0	5	0	127	74	157	9.94	23	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 8015B: Gasoline Range**											
Sample ID: 5ML RB		*MBLK*				Batch ID: **R41995**		Analysis Date:	11/5/2010 8:27:09 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID: **R41995**		Analysis Date:	11/6/2010 12:05:10 AM		
Gasoline Range Organics (GRO)	0.5088	mg/L	0.050	0.5	0	102	83.7	124			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID: R41971**		**Analysis Date: 11/4/2010 10:14:30 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
C[redacted] Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

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

Batch ID: R41971 **Analysis Date:** 11/4/2010 10:14:30 AM

Batch ID: R42080 **Analysis Date:** 11/10/2010 10:05:05 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID: R42080**		**Analysis Date: 11/10/2010 10:05:05 AM**		
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
H[illegible]chlorobutadiene	ND	µg/L	1.0								
2[illegible]anone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*					**Batch ID: R41971**		**Analysis Date: 11/4/2010 11:09:36 AM**		

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41971**	Analysis Date:	11/4/2010 11:09:36 AM		
Benzene	18.87	µg/L	1.0	20	0	94.4	84.6	109			
Toluene	21.61	µg/L	1.0	20	0	108	81	114			
Chlorobenzene	21.01	µg/L	1.0	20	0	105	85.2	113			
1,1-Dichloroethene	20.98	µg/L	1.0	20	0	105	79.6	124			
Trichloroethene (TCE)	16.83	µg/L	1.0	20	0	84.2	78.3	102			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42080**	Analysis Date:	11/10/2010 11:02:01 AM		
Benzene	19.23	µg/L	1.0	20	0	96.2	84.6	109			
Toluene	19.70	µg/L	1.0	20	0	98.5	81	114			
Chlorobenzene	19.31	µg/L	1.0	20	0	96.5	85.2	113			
1,1-Dichloroethene	20.47	µg/L	1.0	20	0	102	79.6	124			
Trichloroethene (TCE)	17.28	µg/L	1.0	20	0	86.4	78.3	102			

Qualifiers:

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

QA/QC SUMMARY REPORT

Cl Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

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

Method: **EPA Method 8270C: Semivolatiles**
Sample ID: **mb-24419** *MBLK* **Batch ID:** **24419** **Analysis Date:** **11/10/2010 10:01:04 AM**

Acenaphthene	ND	µg/L	10
Acenaphthylene	ND	µg/L	10
Aniline	ND	µg/L	10
Anthracene	ND	µg/L	10
Azobenzene	ND	µg/L	10
Benz(a)anthracene	ND	µg/L	10
Benzo(a)pyrene	ND	µg/L	10
Benzo(b)fluoranthene	ND	µg/L	10
Benzo(g,h,i)perylene	ND	µg/L	10
Benzo(k)fluoranthene	ND	µg/L	10
Benzoic acid	ND	µg/L	20
Benzyl alcohol	ND	µg/L	10
Bis(2-chloroethoxy)methane	ND	µg/L	10
Bis(2-chloroethyl)ether	ND	µg/L	10
Bis(2-chloroisopropyl)ether	ND	µg/L	10
Bis(2-ethylhexyl)phthalate	ND	µg/L	10
4-Bromophenyl phenyl ether	ND	µg/L	10
Butyl benzyl phthalate	ND	µg/L	10
Ca[redacted]le	ND	µg/L	10
4-C[redacted]o-3-methylphenol	ND	µg/L	10
4-Chloroaniline	ND	µg/L	10
2-Chloronaphthalene	ND	µg/L	10
2-Chlorophenol	ND	µg/L	10
4-Chlorophenyl phenyl ether	ND	µg/L	10
Chrysene	ND	µg/L	10
Di-n-butyl phthalate	ND	µg/L	10
Di-n-octyl phthalate	ND	µg/L	10
Dibenz(a,h)anthracene	ND	µg/L	10
Dibenzofuran	ND	µg/L	10
1,2-Dichlorobenzene	ND	µg/L	5.0
1,3-Dichlorobenzene	ND	µg/L	10
1,4-Dichlorobenzene	ND	µg/L	5.0
3,3'-Dichlorobenzidine	ND	µg/L	10
Diethyl phthalate	ND	µg/L	10
Dimethyl phthalate	ND	µg/L	10
2,4-Dichlorophenol	ND	µg/L	20
2,4-Dimethylphenol	ND	µg/L	10
4,6-Dinitro-2-methylphenol	ND	µg/L	20
2,4-Dinitrophenol	ND	µg/L	5.0
2,4-Dinitrotoluene	ND	µg/L	5.0
2,6-Dinitrotoluene	ND	µg/L	10
Fluoranthene	ND	µg/L	10
Fluorene	ND	µg/L	10
Hexachlorobenzene	ND	µg/L	5.0

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24419		*MBLK*				Batch ID:	**24419**	Analysis Date:	11/10/2010 10:01:04 AM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	5.0								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-24419		*LCS*				Batch ID:	**24419**	Analysis Date:	11/10/2010 10:30:41 AM		
Acenaphthene	83.36	µg/L	10	100	0	83.4	31	99.4			
4-Chloro-3-methylphenol	96.38	µg/L	10	100	0	96.4	34.3	111			
2-Chlorophenol	89.28	µg/L	10	100	0	89.3	24.1	98.7			
1,4-Dichlorobenzene	60.14	µg/L	10	100	0	60.1	20.6	85.6			
2,4-Dinitrotoluene	93.84	µg/L	10	100	0	93.8	26.6	126			
N-Nitrosodi-n-propylamine	88.92	µg/L	10	100	0	88.9	29.2	94.4			
4-Nitrophenol	57.20	µg/L	10	100	0	57.2	9.87	86			
Pentachlorophenol	86.02	µg/L	20	100	0	86.0	20	97.8			
Phenol	57.60	µg/L	10	100	0	57.6	17.5	60.5			
Pyrene	97.58	µg/L	10	100	0	97.6	46.8	92.2			S
1,2,4-Trichlorobenzene	79.22	µg/L	10	100	0	79.2	25.2	92.3			
Sample ID: lcsd-24419		*LCSD*				Batch ID:	**24419**	Analysis Date:	11/10/2010 11:00:22 AM		
Acenaphthene	84.14	µg/L	10	100	0	84.1	31	99.4	0.931	30	
4-Chloro-3-methylphenol	95.06	µg/L	10	100	0	95.1	34.3	111	1.38	30.8	
2-Chlorophenol	96.30	µg/L	10	100	0	96.3	24.1	98.7	7.57	31	
1,4-Dichlorobenzene	61.40	µg/L	10	100	0	61.4	20.6	85.6	2.07	37	
2,4-Dinitrotoluene	93.00	µg/L	10	100	0	93.0	26.6	126	0.899	34.5	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-24419		*LCSD*				Batch ID:	**24419**	Analysis Date:	11/10/2010 11:00:22 AM		
N-Nitrosodi-n-propylamine	92.20	µg/L	10	100	0	92.2	29.2	94.4	3.62	30.8	
4-Nitrophenol	52.66	µg/L	10	100	0	52.7	9.87	86	8.27	61.1	
Pentachlorophenol	81.32	µg/L	20	100	0	81.3	20	97.8	5.62	64.8	
Phenol	60.22	µg/L	10	100	0	60.2	17.5	60.5	4.45	31.4	
Pyrene	97.92	µg/L	10	100	0	97.9	46.8	92.2	0.348	29.8	S
1,2,4-Trichlorobenzene	76.08	µg/L	10	100	0	76.1	25.2	92.3	4.04	30.9	
Method: EPA Method 7470: Mercury											
Sample ID: MB-24457		*MBLK*				Batch ID:	**24457**	Analysis Date:	11/10/2010 12:27:25 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24457		*LCS*				Batch ID:	**24457**	Analysis Date:	11/10/2010 12:29:10 PM		
Mercury	0.005033	mg/L	0.00020	0.005	0	101	80	120			
Sample ID: LCS-24457		*LCS*				Batch ID:	**24457**	Analysis Date:	11/11/2010 9:25:21 AM		
Mercury	0.004998	mg/L	0.00020	0.005	0	100	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R42210**	Analysis Date:	11/17/2010 5:58:09 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID:	**R42210**	Analysis Date:	11/17/2010 6:01:15 PM		
Arsenic	0.5089	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4912	mg/L	0.020	0.5	0	98.2	80	120			
Cadmium	0.5086	mg/L	0.0020	0.5	0	102	80	120			
Calcium	50.93	mg/L	1.0	50.5	0	101	80	120			
Chromium	0.5014	mg/L	0.0060	0.5	0	100	80	120			
Copper	0.5333	mg/L	0.0060	0.5	0	107	80	120			
Iron	0.4816	mg/L	0.020	0.5	0	96.3	80	120			
Lead	0.4936	mg/L	0.0050	0.5	0	98.7	80	120			
Magnesium	51.90	mg/L	1.0	50.5	0	103	80	120			
Manganese	0.4908	mg/L	0.0020	0.5	0	98.2	80	120			
Potassium	55.12	mg/L	1.0	55	0	100	80	120			
Selenium	0.5045	mg/L	0.050	0.5	0	101	80	120			
Silver	0.5163	mg/L	0.0050	0.5	0	103	80	120			
Sodium	51.21	mg/L	1.0	50.5	0	101	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-24431		*MBLK*				**Batch ID:**	**24431**	**Analysis Date:**	11/9/2010 11:16:06 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-24431		*LCS*				**Batch ID:**	**24431**	**Analysis Date:**	11/9/2010 11:19:20 AM		
Arsenic	0.5346	mg/L	0.020	0.5	0	107	80	120			
Barium	0.4941	mg/L	0.020	0.5	0	98.8	80	120			
Cadmium	0.5132	mg/L	0.0020	0.5	0	103	80	120			
Calcium	51.48	mg/L	1.0	50	0	103	80	120			
Chromium	0.5051	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5361	mg/L	0.0060	0.5	0	107	80	120			
Iron	0.5126	mg/L	0.050	0.5	0	103	80	120			
Lead	0.5035	mg/L	0.0050	0.5	0	101	80	120			
Magnesium	52.09	mg/L	1.0	50	0	104	80	120			
Manganese	0.4922	mg/L	0.0020	0.5	0.0001	98.4	80	120			
Potassium	54.75	mg/L	1.0	50	0	110	80	120			
Selenium	0.5117	mg/L	0.050	0.5	0	102	80	120			
Silver	0.5110	mg/L	0.0050	0.5	0	102	80	120			
Sodium	54.83	mg/L	1.0	50	0.0359	110	80	120			
Zinc	0.5053	mg/L	0.020	0.5	0	101	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 11/4/2010

Work Order Number 1011223 | Received by: LNM

Checklist completed by: Signature 11/3/10 Date | Sample ID labels checked by: Initials LNM/AM

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	-1.1°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 22

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: - ADDED 1ML OF HNO_3 TO 11223-02B AND 02C TO GET TO ACCEPTABLE PH LEVEL FOR PROPER ANALYSIS - LM 11/4/10 - - FOR 11223-04C AND 05C - POURED OFF INTO A 125ML PLASTIC FOR BACK UP NO_3. - LM 11/4/10 - DID NOT RECIEVE TRIP BLANK - LM 11/4/10

Corrective Action placed all preserved TAL to EPA for actions in lab AS 11/05/10

Chain-of-Custody Record

Client: Western Refining
Pt 3 Box 7
Mailing Address: Gallup NM

Phone #: 505 722 3833
email or Fax#: 505 722 0210

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 4th QTR 2010

Project #: Eff + Infl

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☑ Yes ☐ No

Sample Temperature: 1.1

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. 1011023	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 Genchem	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA) +MTBE	8270 (Semi-VOA) phenols	WQCC Metals Total	WQCC Metals DISS Filtered	Cations	BOD/COD	Air Bubbles (Y or N)
11/3/10	1029	H2O	Navis Eff			1			X					X		X	X	X	X	X		
	1043	"	AL2 to EP-1			2			X					X		X	X	X	X	X		
	1510		Pilot Eff *			3			X							X		X	X		X	
	1530		Infl to AL-1			4			X					X		X	X				X	
	1545		Infl to AL-2			5			X					X		X	X				X	
	1605		Infl to EP-1			6			X				X			X	X				X	
	1000		Field Blank			7										X						
	500		Field Blank			8										X						
			Trip Blank			9										X						
	1630					10																

Date: 11/3/10 Time: 1630 Relinquished by:
Date: Time: Relinquished by:

Received by: Date: 11/4/10 Time: 915
Received by: Date: Time:

Remarks:
* Caution: May Contain Bio Haz.
Genchem: Anions, Cations, pH, Cl
+ tel A 11/4/10

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

Infl to AL-1
AL-2

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, March 31, 2010

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

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

RE: 2010 1st QTR

Order No.: 1003292

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 3/11/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

1-JA at JA-2
5-JA

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1003292	**Collection Date:**	3/9/2010 2:34:00 PM
Project:	2010 1st QTR	**Date Received:**	3/11/2010
Lab ID:	1003292-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	130	10		mg/L	10	3/16/2010 9:50:51 AM
Motor Oil Range Organics (MRO)	ND	50		mg/L	10	3/16/2010 9:50:51 AM
Surr: DNOP	85.1	58-140		%REC	10	3/16/2010 9:50:51 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	1.3	0.25		mg/L	5	3/16/2010 11:32:19 PM
Surr: BFB	125	55.2-107	S	%REC	5	3/16/2010 11:32:19 PM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Chloride	260	25		mg/L	50	3/29/2010 8:46:39 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	17	10		µg/L	10	3/16/2010 11:49:04 PM
Toluene	61	10		µg/L	10	3/16/2010 11:49:04 PM
Ethylbenzene	17	10		µg/L	10	3/16/2010 11:49:04 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,2,4-Trimethylbenzene	71	10		µg/L	10	3/16/2010 11:49:04 PM
1,3,5-Trimethylbenzene	21	10		µg/L	10	3/16/2010 11:49:04 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Naphthalene	88	20		µg/L	10	3/16/2010 11:49:04 PM
1-Methylnaphthalene	68	40		µg/L	10	3/16/2010 11:49:04 PM
2-Methylnaphthalene	110	40		µg/L	10	3/16/2010 11:49:04 PM
Acetone	6900	1000		µg/L	100	3/18/2010 2:13:23 AM
Bromobenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Bromodichloromethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Bromoform	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Bromomethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
2-Butanone	ND	100		µg/L	10	3/16/2010 11:49:04 PM
Carbon disulfide	ND	100		µg/L	10	3/16/2010 11:49:04 PM
Carbon Tetrachloride	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Chlorobenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Chloroethane	ND	20		µg/L	10	3/16/2010 11:49:04 PM
Chloroform	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Chloromethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
2-Chlorotoluene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
4-Chlorotoluene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
cis-1,2-DCE	ND	10		µg/L	10	3/16/2010 11:49:04 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	3/16/2010 11:49:04 PM
Dibromochloromethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1003292	**Collection Date:**	3/9/2010 2:34:00 PM
Project:	2010 1st QTR	**Date Received:**	3/11/2010
Lab ID:	1003292-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromomethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Dichlorodifluoromethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,1-Dichloroethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,1-Dichloroethene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,2-Dichloropropane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,3-Dichloropropane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
2,2-Dichloropropane	ND	20		µg/L	10	3/16/2010 11:49:04 PM
1,1-Dichloropropene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Hexachlorobutadiene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
2-Hexanone	ND	100		µg/L	10	3/16/2010 11:49:04 PM
Isopropylbenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
4-Isopropyltoluene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	3/16/2010 11:49:04 PM
Methylene Chloride	ND	30		µg/L	10	3/16/2010 11:49:04 PM
n-Butylbenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
n-Propylbenzene	10	10		µg/L	10	3/16/2010 11:49:04 PM
sec-Butylbenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Styrene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
tert-Butylbenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	3/16/2010 11:49:04 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	3/16/2010 11:49:04 PM
trans-1,2-DCE	ND	10		µg/L	10	3/16/2010 11:49:04 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Trichloroethene (TCE)	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Trichlorofluoromethane	ND	10		µg/L	10	3/16/2010 11:49:04 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	3/16/2010 11:49:04 PM
Vinyl chloride	ND	10		µg/L	10	3/16/2010 11:49:04 PM
Xylenes, Total	100	15		µg/L	10	3/16/2010 11:49:04 PM
Surr: 1,2-Dichloroethane-d4	100	54.6-141		%REC	10	3/16/2010 11:49:04 PM
Surr: 4-Bromofluorobenzene	109	60.1-133		%REC	10	3/16/2010 11:49:04 PM
Surr: Dibromofluoromethane	95.5	78.5-130		%REC	10	3/16/2010 11:49:04 PM
Surr: Toluene-d8	91.5	79.5-126		%REC	10	3/16/2010 11:49:04 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1003292	**Collection Date:**	3/9/2010 2:34:00 PM
Project:	2010 1st QTR	**Date Received:**	3/11/2010
Lab ID:	1003292-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 9067: TOTAL PHENOLICS						Analyst: **SCC**
Phenolics, Total Recoverable	28000	2500		µg/L	10	3/15/2010
SM4500-H+B: PH						Analyst: **BDH**
pH	8.99	0.1		pH units	1	3/11/2010 4:55:10 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1003292	**Collection Date:**	3/9/2010 3:00:00 PM
Project:	2010 1st QTR	**Date Received:**	3/11/2010
Lab ID:	1003292-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	60	1.0		mg/L	1	3/16/2010 10:26:48 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/16/2010 10:26:48 AM
Surr: DNOP	147	58-140	S	%REC	1	3/16/2010 10:26:48 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	6.0	0.50		mg/L	10	3/17/2010 12:02:38 AM
Surr: BFB	109	55.2-107	S	%REC	10	3/17/2010 12:02:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Chloride	280	25		mg/L	50	3/29/2010 9:21:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	190	10		µg/L	10	3/17/2010 12:45:44 AM
Toluene	600	10		µg/L	10	3/17/2010 12:45:44 AM
Ethylbenzene	130	10		µg/L	10	3/17/2010 12:45:44 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,2,4-Trimethylbenzene	410	10		µg/L	10	3/17/2010 12:45:44 AM
1,3,5-Trimethylbenzene	120	10		µg/L	10	3/17/2010 12:45:44 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Naphthalene	270	20		µg/L	10	3/17/2010 12:45:44 AM
1-Methylnaphthalene	91	40		µg/L	10	3/17/2010 12:45:44 AM
2-Methylnaphthalene	160	40		µg/L	10	3/17/2010 12:45:44 AM
Acetone	6100	1000		µg/L	100	3/18/2010 2:40:40 AM
Bromobenzene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Bromodichloromethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Bromoform	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Bromomethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
2-Butanone	ND	100		µg/L	10	3/17/2010 12:45:44 AM
Carbon disulfide	ND	100		µg/L	10	3/17/2010 12:45:44 AM
Carbon Tetrachloride	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Chlorobenzene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Chloroethane	ND	20		µg/L	10	3/17/2010 12:45:44 AM
Chloroform	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Chloromethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
2-Chlorotoluene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
4-Chlorotoluene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
cis-1,2-DCE	ND	10		µg/L	10	3/17/2010 12:45:44 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	3/17/2010 12:45:44 AM
Dibromochloromethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1003292	**Collection Date:**	3/9/2010 3:00:00 PM
Project:	2010 1st QTR	**Date Received:**	3/11/2010
Lab ID:	1003292-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: DAM
Dibromomethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Dichlorodifluoromethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,1-Dichloroethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,1-Dichloroethene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,2-Dichloropropane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,3-Dichloropropane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
2,2-Dichloropropane	ND	20		µg/L	10	3/17/2010 12:45:44 AM
1,1-Dichloropropene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Hexachlorobutadiene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
2-Hexanone	ND	100		µg/L	10	3/17/2010 12:45:44 AM
Isopropylbenzene	16	10		µg/L	10	3/17/2010 12:45:44 AM
4-Isopropyltoluene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	3/17/2010 12:45:44 AM
Methylene Chloride	ND	30		µg/L	10	3/17/2010 12:45:44 AM
n-Butylbenzene	24	10		µg/L	10	3/17/2010 12:45:44 AM
n-Propylbenzene	63	10		µg/L	10	3/17/2010 12:45:44 AM
sec-Butylbenzene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Styrene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
tert-Butylbenzene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	3/17/2010 12:45:44 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	3/17/2010 12:45:44 AM
trans-1,2-DCE	ND	10		µg/L	10	3/17/2010 12:45:44 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Trichloroethene (TCE)	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Trichlorofluoromethane	ND	10		µg/L	10	3/17/2010 12:45:44 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	3/17/2010 12:45:44 AM
Vinyl chloride	ND	10		µg/L	10	3/17/2010 12:45:44 AM
Xylenes, Total	800	15		µg/L	10	3/17/2010 12:45:44 AM
Surr: 1,2-Dichloroethane-d4	108	54.6-141		%REC	10	3/17/2010 12:45:44 AM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	10	3/17/2010 12:45:44 AM
Surr: Dibromofluoromethane	114	78.5-130		%REC	10	3/17/2010 12:45:44 AM
Surr: Toluene-d8	85.0	79.5-126		%REC	10	3/17/2010 12:45:44 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1003292	**Collection Date:**	3/9/2010 3:00:00 PM
Project:	2010 1st QTR	**Date Received:**	3/11/2010
Lab ID:	1003292-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 9067: TOTAL PHENOLICS						Analyst: **SCC**
Phenolics, Total Recoverable	33000	2500		µg/L	10	3/15/2010
SM4500-H+B: PH						Analyst: **BDH**
pH	10.44	0.1		pH units	1	3/11/2010 5:46:53 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1003292	**Collection Date:**	
Project:	2010 1st QTR	**Date Received:**	3/11/2010
Lab ID:	1003292-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Toluene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Ethylbenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Naphthalene	ND	2.0		µg/L	1	3/17/2010 1:42:15 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/17/2010 1:42:15 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/17/2010 1:42:15 AM
Acetone	ND	10		µg/L	1	3/17/2010 1:42:15 AM
Bromobenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Bromodichloromethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Bromoform	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Bromomethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
2-Butanone	ND	10		µg/L	1	3/17/2010 1:42:15 AM
Carbon disulfide	ND	10		µg/L	1	3/17/2010 1:42:15 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Chlorobenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Chloroethane	ND	2.0		µg/L	1	3/17/2010 1:42:15 AM
Chloroform	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Chloromethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
2-Chlorotoluene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
4-Chlorotoluene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
cis-1,2-DCE	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/17/2010 1:42:15 AM
Dibromochloromethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Dibromomethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/17/2010 1:42:15 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1003292	**Collection Date:**	
Project:	2010 1st QTR	**Date Received:**	3/11/2010
Lab ID:	1003292-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
2-Hexanone	ND	10		µg/L	1	3/17/2010 1:42:15 AM
Isopropylbenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/17/2010 1:42:15 AM
Methylene Chloride	ND	3.0		µg/L	1	3/17/2010 1:42:15 AM
n-Butylbenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
n-Propylbenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
sec-Butylbenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Styrene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
tert-Butylbenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/17/2010 1:42:15 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
trans-1,2-DCE	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/17/2010 1:42:15 AM
Vinyl chloride	ND	1.0		µg/L	1	3/17/2010 1:42:15 AM
Xylenes, Total	ND	1.5		µg/L	1	3/17/2010 1:42:15 AM
Surr: 1,2-Dichloroethane-d4	98.9	54.6-141		%REC	1	3/17/2010 1:42:15 AM
Surr: 4-Bromofluorobenzene	107	60.1-133		%REC	1	3/17/2010 1:42:15 AM
Surr: Dibromofluoromethane	96.3	78.5-130		%REC	1	3/17/2010 1:42:15 AM
Surr: Toluene-d8	96.4	79.5-126		%REC	1	3/17/2010 1:42:15 AM

Qualifiers:

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

ARSA ARS ANALYTICAL, LLC

4301 Masthead NE Albuquerque, NM 87109, ph. 505-345-8964 fax 505-345-7259

Explanation of codes	
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
U	*Concentration is below MDL*
J	*Concentration between MDL and RDL*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

ARS Analytical, LLC

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **1003292**
Order: **10030307 HAL03** Receipt: **03-11-10**

for Francine Jarvis
Elvin J. Chavez: President of ARS Analytical, LLC

Sample: ***1003292-01E INFL TO AL-2*** Collected: *03-09-10 14:34:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
0030307-001A		SM 5210B					By: JLE			
OD100026	WC.2010.568.19	10-26-4	Biochemical Oxygen Demand	650	mg/L	1	4		03-11-10	03-16-10

Sample: ***1003292-02E INFL TO AL-1*** Collected: *03-09-10 15:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
0030307-002A		SM 5210B					By: JLE			
OD100026	WC.2010.568.18	10-26-4	Biochemical Oxygen Demand	1150	mg/L	1	4		03-11-10	03-16-10

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Reporting Limit. Sample specific Reporting Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 3/17/2010 4:07:52 PM

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100312033
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003292
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100312033-001	**Sampling Date**	3/9/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003292-01D / INFL TO AL-2	**Sampling Time**	2:34 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1890	mg/L	100	3/19/2010	JLU	EPA 410.4	

Sample Number	100312033-002	**Sampling Date**	3/9/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003292-02D / INFL TO AL-1	**Sampling Time**	3:00 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1760	mg/L	100	3/19/2010	JLU	EPA 410.4	

Authorized Signature

John Coddington, Lab Manager

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

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

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0026; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00189; CA:Cert2632; ID:WA00189; WA:C1287; MT:Cert0095

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003292

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R37981**	Analysis Date:		3/29/2010 3:15:51 PM	
Chloride	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R37981**	Analysis Date:		3/30/2010 9:15:17 AM	
Chloride	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R37981**	Analysis Date:		3/29/2010 3:33:15 PM	
Chloride	4.921	mg/L	0.50	5	0	98.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37981**	Analysis Date:		3/30/2010 9:32:41 AM	
Chloride	4.993	mg/L	0.50	5	0	99.9	90	110			
Method: EPA Method 9067: Total Phenolics											
Sample ID: MB-21649/21653		*MBLK*				Batch ID:	**21653**	Analysis Date:		3/15/2010	
Phenolics, Total Recoverable	ND	µg/L	2.5								
Sample ID: LCS-21649/21653		*LCS*				Batch ID:	**21653**	Analysis Date:		3/15/2010	
Phenolics, Total Recoverable	18.90	µg/L	2.5	20	0	94.5	64	114			
Sample ID: LCSD-21649/21653		*LCSD*				Batch ID:	**21653**	Analysis Date:		3/15/2010	
Phenolics, Total Recoverable	17.54	µg/L	2.5	20	0	87.7	64	114	7.49	20	
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21634		*MBLK*				Batch ID:	**21634**	Analysis Date:		3/15/2010 6:42:26 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21634		*LCS*				Batch ID:	**21634**	Analysis Date:		3/15/2010 7:18:54 PM	
Diesel Range Organics (DRO)	6.196	mg/L	1.0	5	0	124	74	157			
Sample ID: LCSD-21634		*LCSD*				Batch ID:	**21634**	Analysis Date:		3/16/2010 4:27:33 PM	
Diesel Range Organics (DRO)	6.293	mg/L	1.0	5	0	126	74	157	1.55	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: B		*MBLK*				Batch ID:	**R37774**	Analysis Date:		3/15/2010 10:05:29 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37774**	Analysis Date:		3/15/2010 8:35:03 PM	
Gasoline Range Organics (GRO)	0.5382	mg/L	0.050	0.5	0	108	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R37774**	Analysis Date:		3/15/2010 9:03:48 PM	
Gasoline Range Organics (GRO)	0.5018	mg/L	0.050	0.5	0	100	80	115	7.00	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003292

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*							**Batch ID: R37790**	**Analysis Date: 3/16/2010 11:33:29 AM**	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003292

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

Batch ID: R37790 Analysis Date: 3/16/2010 11:33:29 AM

Batch ID: R37807 Analysis Date: 3/17/2010 9:17:11 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003292

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
Chloromethane	ND	µg/L	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								
Hexa[illegible]butadiene	ND	µg/L	1.0								
2-Hexa[illegible]e	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: **R37807** Analysis Date: 3/17/2010 9:17:11 AM

Batch ID: **R37790** Analysis Date: 3/16/2010 12:30:03 PM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003292

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R37790**	Analysis Date:		3/16/2010 12:30:03 PM	
Benzene	20.04	µg/L	1.0	20	0	100	76.7	114			
Toluene	22.03	µg/L	1.0	20	0	110	78.4	117			
Chlorobenzene	20.63	µg/L	1.0	20	0	103	80.7	127			
1,1-Dichloroethene	24.04	µg/L	1.0	20	0	120	80.2	128			
Trichloroethene (TCE)	22.50	µg/L	1.0	20	0	113	77.4	115			
Sample ID: 100ng lcsb		*LCS*				Batch ID:	**R37807**	Analysis Date:		3/17/2010 1:03:27 PM	
Benzene	19.71	µg/L	1.0	20	0	98.6	76.7	114			
Toluene	21.57	µg/L	1.0	20	0	108	78.4	117			
Chlorobenzene	20.09	µg/L	1.0	20	0	100	80.7	127			
1,1-Dichloroethene	22.93	µg/L	1.0	20	0	115	80.2	128			
Trichloroethene (TCE)	21.24	µg/L	1.0	20	0	106	77.4	115			
Sample ID: 100ng lcsd		*LCSD*				Batch ID:	**R37790**	Analysis Date:		3/17/2010 4:02:29 AM	
Benzene	19.70	µg/L	1.0	20	0	98.5	76.7	114	1.69	11	
Toluene	21.55	µg/L	1.0	20	0	108	78.4	117	2.22	12.2	
Chlorobenzene	19.74	µg/L	1.0	20	0	98.7	80.7	127	4.39	12	
1,1-Dichloroethene	23.00	µg/L	1.0	20	0	115	80.2	128	4.42	19.3	
Trichloroethene (TCE)	20.95	µg/L	1.0	20	0	105	77.4	115	7.17	15.5	

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/11/2010**

Work Order Number **1003292** Received by: **ARS**

Checklist completed by: _____ 3/11/10 Sample ID labels checked by: _____

Signature Date Initials

Matrix: Carrier name: **UPS**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	0.3°	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 4

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

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

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 2010 1st QTR
Project #: Influents
Project Manager: G. Rajen
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 4.3

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1005292	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	pH, Chlorides	Phenols	Air Bubbles (Y or N)
3/9/10	1434	H2O	Infl to AL-2	40ml-3	HCl	1										X						
				40ml-3	HCl	1			X													
				250ml-1	H2SO4	1													X			
				500ml-1	None	1												X				
				250ml-1	None	1														X		
				1L Amber	H2SO4	1															X	
	1500		Infl to AL-1	40ml-3	HCl	2										X						
				40ml-3	HCl	2			X													
				250ml-1	H2SO4	2													X			
				500ml-1	None	2												X				
				250ml-1	None	2														X		
				1L Amber	H2SO4	2															X	

Remarks:

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/9/10	1610				
			10:30	3/11/10	
Date:	Time:	Relinquished by:	Received by:	Date	Time

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

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505-722-3833

email or Fax#: 505-722-0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2010 1st QTR

Project #: Influents

Project Manager: G. Rajen

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.3

HEAL No. 1005292

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
3/9/10	1430	H2O	Trip blank	3													

Date: 3/9/10 Time: 1610 Relinquished by: _____ Received by: _____ Date Time

Date: _____ Time: _____ Relinquished by: _____ Received by: _____ Date: 3/11/10 Time: 10:30

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

AL2-EP-1

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, April 06, 2010

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

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

RE: 2010 1st Qtr

Order No.: 1003286

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 3/11/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

1-93-GJP

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT: Western Refining Southwest, Gallup
Project: 2010 1st Qtr
Lab Order: 1003286

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_W, SAMPLE 1003286-01A: necessary dilution due to DRO contamination

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1003286	**Collection Date:**	3/9/2010 1:44:00 PM
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	190	10		mg/L	10	3/16/2010 8:38:24 AM
Motor Oil Range Organics (MRO)	ND	50		mg/L	10	3/16/2010 8:38:24 AM
Surr: DNOP	87.6	58-140		%REC	10	3/16/2010 8:38:24 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	1.0		mg/L	20	3/12/2010 6:00:29 PM
Surr: BFB	111	55.2-107	S	%REC	20	3/12/2010 6:00:29 PM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	130	5.0		mg/L	50	3/29/2010 7:36:59 PM
Chloride	280	25		mg/L	50	3/29/2010 7:36:59 PM
Bromide	1.6	1.0		mg/L	10	4/2/2010 5:35:37 PM
Nitrate (As N)+Nitrite (As N)	7.4	1.0		mg/L	5	4/1/2010 10:07:03 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	3/29/2010 7:19:34 PM
Sulfate	870	25		mg/L	50	3/29/2010 7:36:59 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Acenaphthylene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Aniline	150	50		µg/L	1	3/12/2010 5:51:23 PM
Anthracene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Azobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benz(a)anthracene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benzo(a)pyrene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Benzoic acid	ND	100		µg/L	1	3/12/2010 5:51:23 PM
Benzyl alcohol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Butyl benzyl phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Carbazole	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Chloroaniline	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2-Chloronaphthalene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2-Chlorophenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	3/12/2010 5:51:23 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1003286	**Collection Date:**	3/9/2010 1:44:00 PM
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Chrysene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Di-n-butyl phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Di-n-octyl phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Dibenzofuran	ND	50		µg/L	1	3/12/2010 5:51:23 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Diethyl phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Dimethyl phthalate	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2,4-Dichlorophenol	ND	100		µg/L	1	3/12/2010 5:51:23 PM
2,4-Dimethylphenol	240	50		µg/L	1	3/12/2010 5:51:23 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	3/12/2010 5:51:23 PM
2,4-Dinitrophenol	ND	100		µg/L	1	3/12/2010 5:51:23 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Fluoranthene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Fluorene	55	50		µg/L	1	3/12/2010 5:51:23 PM
Hexachlorobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Hexachlorobutadiene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Hexachloroethane	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Isophorone	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2-Methylnaphthalene	180	50		µg/L	1	3/12/2010 5:51:23 PM
2-Methylphenol	1200	250		µg/L	5	3/13/2010 3:04:23 PM
3+4-Methylphenol	2700	250		µg/L	5	3/13/2010 3:04:23 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	3/12/2010 5:51:23 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	3/12/2010 5:51:23 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Naphthalene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2-Nitroaniline	ND	50		µg/L	1	3/12/2010 5:51:23 PM
3-Nitroaniline	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Nitroaniline	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Nitrobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2-Nitrophenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
4-Nitrophenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Pentachlorophenol	ND	100		µg/L	1	3/12/2010 5:51:23 PM
Phenanthrene	150	50		µg/L	1	3/12/2010 5:51:23 PM
Phenol	4800	250		µg/L	5	3/13/2010 3:04:23 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1003286	**Collection Date:**	3/9/2010 1:44:00 PM
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Pyrene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Pyridine	ND	50		µg/L	1	3/12/2010 5:51:23 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/12/2010 5:51:23 PM
Surr: 2,4,6-Tribromophenol	71.4	16.6-150		%REC	1	3/12/2010 5:51:23 PM
Surr: 2-Fluorobiphenyl	78.1	19.6-134		%REC	1	3/12/2010 5:51:23 PM
Surr: 2-Fluorophenol	56.7	9.54-113		%REC	1	3/12/2010 5:51:23 PM
Surr: 4-Terphenyl-d14	72.4	22.7-145		%REC	1	3/12/2010 5:51:23 PM
Surr: Nitrobenzene-d5	75.4	14.6-134		%REC	1	3/12/2010 5:51:23 PM
Surr: Phenol-d5	52.3	10.7-80.3		%REC	1	3/12/2010 5:51:23 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Toluene	11	5.0		µg/L	5	3/19/2010 12:32:58 PM
Ethylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2,4-Trimethylbenzene	19	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Naphthalene	45	10		µg/L	5	3/19/2010 12:32:58 PM
1-Methylnaphthalene	210	20		µg/L	5	3/19/2010 12:32:58 PM
2-Methylnaphthalene	340	20		µg/L	5	3/19/2010 12:32:58 PM
Acetone	1700	200		µg/L	20	3/19/2010 10:42:42 PM
Bromobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Bromoform	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Bromomethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
2-Butanone	ND	50		µg/L	5	3/19/2010 12:32:58 PM
Carbon disulfide	ND	50		µg/L	5	3/19/2010 12:32:58 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Chlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Chloroethane	ND	10		µg/L	5	3/19/2010 12:32:58 PM
Chloroform	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Chloromethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/19/2010 12:32:58 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1003286	**Collection Date:**	3/9/2010 1:44:00 PM
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Dibromochloromethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Dibromomethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/19/2010 12:32:58 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
2-Hexanone	ND	50		µg/L	5	3/19/2010 12:32:58 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/19/2010 12:32:58 PM
Methylene Chloride	ND	15		µg/L	5	3/19/2010 12:32:58 PM
n-Butylbenzene	5.0	5.0		µg/L	5	3/19/2010 12:32:58 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Styrene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/19/2010 12:32:58 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/19/2010 12:32:58 PM
Vinyl chloride	ND	5.0		µg/L	5	3/19/2010 12:32:58 PM
Xylenes, Total	13	7.5		µg/L	5	3/19/2010 12:32:58 PM
Surr: 1,2-Dichloroethane-d4	102	54.6-141		%REC	5	3/19/2010 12:32:58 PM
Surr: 4-Bromofluorobenzene	129	60.1-133		%REC	5	3/19/2010 12:32:58 PM
Surr: Dibromofluoromethane	110	78.5-130		%REC	5	3/19/2010 12:32:58 PM
Surr: Toluene-d8	112	79.5-126		%REC	5	3/19/2010 12:32:58 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1003286	**Collection Date:**	3/9/2010 1:44:00 PM
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
EPA METHOD 9067: TOTAL PHENOLICS						Analyst: **SCC**
Phenolics, Total Recoverable	30000	2500		µg/L	10	3/15/2010

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1003286	**Collection Date:**	
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Toluene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Ethylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Naphthalene	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 4:14:43 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 4:14:43 PM
Acetone	ND	10		µg/L	1	3/19/2010 4:14:43 PM
Bromobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Bromoform	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Bromomethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
2-Butanone	ND	10		µg/L	1	3/19/2010 4:14:43 PM
Carbon disulfide	ND	10		µg/L	1	3/19/2010 4:14:43 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Chlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Chloroethane	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
Chloroform	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Chloromethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Dibromomethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1003286	**Collection Date:**	
Project:	2010 1st Qtr	**Date Received:**	3/11/2010
Lab ID:	1003286-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	3/19/2010 4:14:43 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/19/2010 4:14:43 PM
Methylene Chloride	ND	3.0		µg/L	1	3/19/2010 4:14:43 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Styrene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/19/2010 4:14:43 PM
Vinyl chloride	ND	1.0		µg/L	1	3/19/2010 4:14:43 PM
Xylenes, Total	ND	1.5		µg/L	1	3/19/2010 4:14:43 PM
Surr: 1,2-Dichloroethane-d4	109	54.6-141		%REC	1	3/19/2010 4:14:43 PM
Surr: 4-Bromofluorobenzene	107	60.1-133		%REC	1	3/19/2010 4:14:43 PM
Surr: Dibromofluoromethane	113	78.5-130		%REC	1	3/19/2010 4:14:43 PM
Surr: Toluene-d8	107	79.5-126		%REC	1	3/19/2010 4:14:43 PM

Qualifiers:

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

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100312009
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003286
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100312009-001	**Sampling Date**	3/9/2010	**Date/Time Received**	3/12/2010	10:45 AM
Client Sample ID	1003286-01D / AL2 TO EP1	**Sampling Time**	1:44 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	0.00961	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Barium	0.0968	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Cadmium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Chromium	0.0392	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Copper	0.0374	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Iron	19.6	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Lead	0.00965	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Manganese	0.476	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Mercury	0.000478	mg/L	0.0001	3/23/2010	CAS	EPA 7470A	
Selenium	0.0154	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Silver	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Uranium	0.00167	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Zinc	0.584	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

Anatek Labs, Inc.

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

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100312009
Project Name: 1003286

Analytical Results Report

Sample Number	100312009-003	**Sampling Date**	3/9/2010	**Date/Time Received**	3/12/2010	10:45 AM	
Client Sample ID	1003286-01F / AL2 TO EP1	**Sampling Time**	1:44 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00667	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Barium	0.0305	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Cadmium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Calcium	35.3	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Chromium	0.0188	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Copper	0.00728	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Iron	12.1	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Dissolved Lead	0.00377	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Magnesium	10.7	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Manganese	0.456	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Potassium	58.2	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Selenium	0.00977	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Sodium	678	mg/L	1	3/30/2010	ETL	EPA 6010B	
Dissolved Uranium	ND	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Zinc	0.340	mg/L	0.001	3/22/2010	JTT	EPA 6020A	

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID: **R37981**		Analysis Date:	3/29/2010 3:15:51 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R37981**		Analysis Date:	3/30/2010 9:15:17 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R38030**		Analysis Date:	4/1/2010 11:38:13 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R38030**		Analysis Date:	4/2/2010 12:38:33 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R38038**		Analysis Date:	4/1/2010 11:38:21 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R37981**		Analysis Date:	3/29/2010 3:33:15 PM		
Fluoride	0.5243	mg/L	0.10	0.5	0	105	90	110			
Chloride	4.921	mg/L	0.50	5	0	98.4	90	110			
Bromide	2.481	mg/L	0.10	2.5	0	99.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.479	mg/L	0.20	3.5	0	99.4	90	110			
Phosphorus, Orthophosphate (As P)	4.972	mg/L	0.50	5	0	99.4	90	110			
Sulfate	10.19	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R37981**		Analysis Date:	3/30/2010 9:32:41 AM		
Fluoride	0.5260	mg/L	0.10	0.5	0	105	90	110			
Chloride	4.993	mg/L	0.50	5	0	99.9	90	110			
Bromide	2.526	mg/L	0.10	2.5	0	101	90	110			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R37981**	Analysis Date:	3/30/2010 9:32:41 AM		
Nitrate (As N)+Nitrite (As N)	3.534	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.087	mg/L	0.50	5	0	102	90	110			
Sulfate	10.38	mg/L	0.50	10	0	104	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38030**	Analysis Date:	4/1/2010 11:55:38 AM		
Fluoride	0.5045	mg/L	0.10	0.5	0	101	90	110			
Chloride	4.738	mg/L	0.50	5	0	94.8	90	110			
Bromide	2.400	mg/L	0.10	2.5	0	96.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.369	mg/L	0.20	3.5	0	96.3	90	110			
Phosphorus, Orthophosphate (As P)	4.802	mg/L	0.50	5	0	96.0	90	110			
Sulfate	9.818	mg/L	0.50	10	0	98.2	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38030**	Analysis Date:	4/2/2010 12:55:57 AM		
Fluoride	0.5196	mg/L	0.10	0.5	0	104	90	110			
Chloride	4.958	mg/L	0.50	5	0	99.2	90	110			
Bromide	2.509	mg/L	0.10	2.5	0	100	90	110			
Nitrate (As N)+Nitrite (As N)	3.516	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	5.014	mg/L	0.50	5	0	100	90	110			
Sulfate	10.29	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38038**	Analysis Date:	4/1/2010 11:55:46 AM		
Fluoride	0.4958	mg/L	0.10	0.5	0	99.2	90	110			
Chloride	4.715	mg/L	0.50	5	0	94.3	90	110			
Phosphorus, Orthophosphate (As P)	4.809	mg/L	0.50	5	0	96.2	90	110			
Sulfate	9.788	mg/L	0.50	10	0	97.9	90	110			
Method: EPA Method 9067: Total Phenolics											
Sample ID: MB-21649/21653		*MBLK*				Batch ID:	**21653**	Analysis Date:	3/15/2010		
Phenolics, Total Recoverable	ND	µg/L	2.5								
Sample ID: LCS-21649/21653		*LCS*				Batch ID:	**21653**	Analysis Date:	3/15/2010		
Phenolics, Total Recoverable	18.90	µg/L	2.5	20	0	94.5	64	114			
Sample ID: LCSD-21649/21653		*LCSD*				Batch ID:	**21653**	Analysis Date:	3/15/2010		
Phenolics, Total Recoverable	17.54	µg/L	2.5	20	0	87.7	64	114	7.49	20	
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21634		*MBLK*				Batch ID:	**21634**	Analysis Date:	3/15/2010 6:42:26 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21634		*LCS*				Batch ID:	**21634**	Analysis Date:	3/15/2010 7:18:54 PM		
Diesel Range Organics (DRO)	6.196	mg/L	1.0	5	0	124	74	157			
Sample ID: LCSD-21634		*LCSD*				Batch ID:	**21634**	Analysis Date:	3/16/2010 4:27:33 PM		
Diesel Range Organics (DRO)	6.293	mg/L	1.0	5	0	126	74	157	1.55	23	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID: **R37748**		Analysis Date:		3/12/2010 9:55:03 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID: **R37748**		Analysis Date:		3/12/2010 7:31:35 PM	
Gasoline Range Organics (GRO)	0.4932	mg/L	0.050	0.5	0	98.6	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID: **R37748**		Analysis Date:		3/12/2010 8:02:01 PM	
Gasoline Range Organics (GRO)	0.4780	mg/L	0.050	0.5	0	95.6	80	115	3.13	8.39	

Qualifiers:

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J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 8260B: VOLATILES**											
Sample ID: **5ml rb**		*MBLK*				**Batch ID:** **R37849**		**Analysis Date:**	3/19/2010 8:46:56 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
[redacted]on Tetrachloride	ND	µg/L	1.0								
[redacted]robenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					Batch ID: **R37849**		Analysis Date:	3/19/2010 8:46:56 AM	
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b9		*MBLK*					Batch ID: **R37849**		Analysis Date:	3/19/2010 10:15:04 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
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b9		*MBLK*					Batch ID: **R37849**		Analysis Date:	3/19/2010 10:15:04 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								
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: b11		*MBLK*					Batch ID: **R37849**		Analysis Date:	3/20/2010 9:18:53 AM	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b11		*MBLK*				Batch ID: **R37849**		Analysis Date:	3/20/2010 9:18:53 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b11		*MBLK*				Batch ID:	**R37849**	Analysis Date:	3/20/2010 9:18:53 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								
[redacted]-Trichloropropane	ND	µg/L	2.0								
[redacted]chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R37849**	Analysis Date:	3/19/2010 10:10:25 AM		
Benzene	18.63	µg/L	1.0	20	0	93.2	76.7	114			
Toluene	21.09	µg/L	1.0	20	0	105	78.4	117			
Chlorobenzene	19.83	µg/L	1.0	20	0	99.2	80.7	127			
1,1-Dichloroethene	21.84	µg/L	1.0	20	0	109	80.2	128			
Trichloroethene (TCE)	19.23	µg/L	1.0	20	0	96.2	77.4	115			
Sample ID: 100ng lcs_b		*LCS*				Batch ID:	**R37849**	Analysis Date:	3/19/2010 9:47:18 PM		
Benzene	20.28	µg/L	1.0	20	0	101	76.7	114			
Toluene	21.02	µg/L	1.0	20	0	105	78.4	117			
Chlorobenzene	20.63	µg/L	1.0	20	0	103	80.7	127			
1,1-Dichloroethene	24.12	µg/L	1.0	20	0	121	80.2	128			
Trichloroethene (TCE)	18.77	µg/L	1.0	20	0	93.9	77.4	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21624		*MBLK*				Batch ID: **21624**		Analysis Date: 3/12/2010 11:48:02 AM			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	5.0								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	5.0								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	5.0								
2,4-Dinitrotoluene	ND	µg/L	5.0								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	5.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st Qtr **Work Order:** 1003286

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21624		*MBLK*				Batch ID: **21624**		Analysis Date: 3/12/2010 11:48:02 AM			
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
[redacted]chlorophenol	ND	µg/L	5.0								
[redacted]anthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/11/2010**

Work Order Number **1003286** Received by: **ARS**

Checklist completed by: _____ 3/11/10 Sample ID labels checked by: (N)
Signature Date Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**3.8°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 6

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

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

Turn-Around Time: ☒ Standard ☐ Rush ____
Project Name: 2010 1ST QTR
Project #: AL2 to EPI
Project Manager: G Rasen
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 2.3

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1003259
3/9/10	1344	H2O	AL2 to EPI	1L Amber	None	1
				1L Amber	H_2SO_4	1
				40ml-3	HCl	1
				40ml-3	HCl	1
				125ml-2	HNO_3	1
				500ml-2	HNO_3	1
				250ml-1	None	1
				125ml-1	H_2SO_4	1
			TRIP Blank			2

Date	Time	Relinquished by:	Received by:	Date	Time
3/9/10	1416			10:35 3/11/10	
Date:	Time:	Relinquished by:	Received by:	Date	Time

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

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	phenols	WQC metals, Diss	WQC metals, Total	Major Cations/Anions	Air Bubbles (Y or N)
										X					
											X				
		X													
									X						
												X			
													X		
														X	
														X	

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.

Infl to EP-1

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, April 05, 2010

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

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

RE: 2010 1st QTR

Order No.: 1003326

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 3/12/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

John Caldwell

For Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
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

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Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1003326	**Collection Date:**	3/10/2010 2:40:00 PM
Project:	2010 1st QTR	**Date Received:**	3/12/2010
Lab ID:	1003326-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	150	10		mg/L	1	3/18/2010 8:34:03 PM
Motor Oil Range Organics (MRO)	60	50		mg/L	1	3/18/2010 8:34:03 PM
Surr: DNOP	124	58-140		%REC	1	3/18/2010 8:34:03 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.34	0.25		mg/L	5	3/17/2010 12:32:55 AM
Surr: BFB	110	55.2-107	S	%REC	5	3/17/2010 12:32:55 AM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	66	2.0		mg/L	20	4/1/2010 8:05:11 PM
Chloride	440	25		mg/L	50	4/1/2010 8:22:35 PM
Bromide	1.1	0.10		mg/L	1	3/30/2010 1:25:10 AM
Nitrate (As N)+Nitrite (As N)	1.6	1.0		mg/L	5	4/1/2010 8:40:00 PM
Phosphorus, Orthophosphate (As P)	2.5	0.50	H	mg/L	1	3/30/2010 1:25:10 AM
Sulfate	920	10		mg/L	20	3/30/2010 1:42:35 AM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	0.00037	0.00020		mg/L	1	3/16/2010 4:43:43 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	3/16/2010 3:44:48 PM
Barium	0.029	0.020		mg/L	1	3/16/2010 3:44:48 PM
Cadmium	ND	0.0020		mg/L	1	3/16/2010 3:44:48 PM
Calcium	45	1.0		mg/L	1	3/16/2010 3:44:48 PM
Chromium	0.023	0.0060		mg/L	1	3/16/2010 3:44:48 PM
Copper	0.011	0.0060		mg/L	1	3/16/2010 3:44:48 PM
Iron	9.6	0.20		mg/L	10	3/16/2010 5:42:17 PM
Lead	0.0072	0.0050		mg/L	1	3/16/2010 3:44:48 PM
Magnesium	14	1.0		mg/L	1	3/16/2010 3:44:48 PM
Manganese	0.58	0.0020		mg/L	1	3/16/2010 3:44:48 PM
Potassium	32	1.0		mg/L	1	3/16/2010 3:44:48 PM
Selenium	ND	0.050		mg/L	1	3/16/2010 3:44:48 PM
Silver	ND	0.0050		mg/L	1	3/16/2010 3:44:48 PM
Sodium	990	20		mg/L	20	3/18/2010 11:02:55 AM
Zinc	0.28	0.050		mg/L	1	3/16/2010 3:44:48 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	3/18/2010 7:40:19 PM
Barium	0.17	0.020		mg/L	1	3/18/2010 7:40:19 PM
Cadmium	ND	0.0020		mg/L	1	3/18/2010 7:40:19 PM
Chromium	0.067	0.0060		mg/L	1	3/18/2010 7:40:19 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1003326	**Collection Date:**	3/10/2010 2:40:00 PM
Project:	2010 1st QTR	**Date Received:**	3/12/2010
Lab ID:	1003326-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Copper	0.033	0.0060		mg/L	1	3/18/2010 7:40:19 PM
Iron	18	1.0		mg/L	20	3/19/2010 4:09:35 PM
Lead	0.0087	0.0050		mg/L	1	3/19/2010 4:05:43 PM
Manganese	0.72	0.0020		mg/L	1	3/18/2010 7:40:19 PM
Selenium	ND	0.050		mg/L	1	3/18/2010 7:40:19 PM
Zinc	0.39	0.050		mg/L	1	3/19/2010 4:05:43 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Acenaphthylene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Aniline	190	50		µg/L	1	3/15/2010 12:55:47 PM
Anthracene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Azobenzene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Benz(a)anthracene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Benzo(a)pyrene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Benzoic acid	ND	100		µg/L	1	3/15/2010 12:55:47 PM
Benzyl alcohol	87	50		µg/L	1	3/15/2010 12:55:47 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	3/15/2010 12:55:47 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Butyl benzyl phthalate	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Carbazole	ND	50		µg/L	1	3/15/2010 12:55:47 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/15/2010 12:55:47 PM
4-Chloroaniline	ND	50		µg/L	1	3/15/2010 12:55:47 PM
2-Chloronaphthalene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
2-Chlorophenol	ND	50		µg/L	1	3/15/2010 12:55:47 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Chrysene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Di-n-butyl phthalate	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Di-n-octyl phthalate	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Dibenzofuran	ND	50		µg/L	1	3/15/2010 12:55:47 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	3/15/2010 12:55:47 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1003326	**Collection Date:**	3/10/2010 2:40:00 PM
Project:	2010 1st QTR	**Date Received:**	3/12/2010
Lab ID:	1003326-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Diethyl phthalate	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Dimethyl phthalate	ND	50		µg/L	1	3/15/2010 12:55:47 PM
2,4-Dichlorophenol	ND	100		µg/L	1	3/15/2010 12:55:47 PM
2,4-Dimethylphenol	370	50		µg/L	1	3/15/2010 12:55:47 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	3/15/2010 12:55:47 PM
2,4-Dinitrophenol	ND	100		µg/L	1	3/15/2010 12:55:47 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Fluoranthene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Fluorene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Hexachlorobenzene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Hexachlorobutadiene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Hexachloroethane	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Isophorone	ND	50		µg/L	1	3/15/2010 12:55:47 PM
2-Methylnaphthalene	160	50		µg/L	1	3/15/2010 12:55:47 PM
2-Methylphenol	1400	500		µg/L	10	3/15/2010 1:25:03 PM
3+4-Methylphenol	1700	500		µg/L	10	3/15/2010 1:25:03 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	3/15/2010 12:55:47 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	3/15/2010 12:55:47 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Naphthalene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
2-Nitroaniline	ND	50		µg/L	1	3/15/2010 12:55:47 PM
3-Nitroaniline	ND	50		µg/L	1	3/15/2010 12:55:47 PM
4-Nitroaniline	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Nitrobenzene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
2-Nitrophenol	ND	50		µg/L	1	3/15/2010 12:55:47 PM
4-Nitrophenol	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Pentachlorophenol	ND	100		µg/L	1	3/15/2010 12:55:47 PM
Phenanthrene	120	50		µg/L	1	3/15/2010 12:55:47 PM
Phenol	2700	500		µg/L	10	3/15/2010 1:25:03 PM
Pyrene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Pyridine	ND	50		µg/L	1	3/15/2010 12:55:47 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	3/15/2010 12:55:47 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/15/2010 12:55:47 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/15/2010 12:55:47 PM
Surr: 2,4,6-Tribromophenol	92.3	16.6-150		%REC	1	3/15/2010 12:55:47 PM
Surr: 2-Fluorobiphenyl	98.5	19.6-134		%REC	1	3/15/2010 12:55:47 PM
Surr: 2-Fluorophenol	66.8	9.54-113		%REC	1	3/15/2010 12:55:47 PM
Surr: 4-Terphenyl-d14	105	22.7-145		%REC	1	3/15/2010 12:55:47 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1003326	**Collection Date:**	3/10/2010 2:40:00 PM
Project:	2010 1st QTR	**Date Received:**	3/12/2010
Lab ID:	1003326-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Surr: Nitrobenzene-d5	95.1	14.6-134		%REC	1	3/15/2010 12:55:47 PM
Surr: Phenol-d5	56.2	10.7-80.3		%REC	1	3/15/2010 12:55:47 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Toluene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Ethylbenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,2,4-Trimethylbenzene	6.1	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Naphthalene	33	10		µg/L	5	3/18/2010 2:42:46 PM
1-Methylnaphthalene	65	20		µg/L	5	3/18/2010 2:42:46 PM
2-Methylnaphthalene	100	20		µg/L	5	3/18/2010 2:42:46 PM
Acetone	1900	100		µg/L	10	3/17/2010 2:38:24 AM
Bromobenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Bromoform	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Bromomethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
2-Butanone	ND	50		µg/L	5	3/18/2010 2:42:46 PM
Carbon disulfide	ND	50		µg/L	5	3/18/2010 2:42:46 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Chlorobenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Chloroethane	ND	10		µg/L	5	3/18/2010 2:42:46 PM
Chloroform	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Chloromethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/18/2010 2:42:46 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Dibromomethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP-1
Lab Order:	1003326	**Collection Date:**	3/10/2010 2:40:00 PM
Project:	2010 1st QTR	**Date Received:**	3/12/2010
Lab ID:	1003326-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
1,3-Dichloropropane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/18/2010 2:42:46 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
2-Hexanone	ND	50		µg/L	5	3/18/2010 2:42:46 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/18/2010 2:42:46 PM
Methylene Chloride	ND	15		µg/L	5	3/18/2010 2:42:46 PM
n-Butylbenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Styrene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/18/2010 2:42:46 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/18/2010 2:42:46 PM
Vinyl chloride	ND	5.0		µg/L	5	3/18/2010 2:42:46 PM
Xylenes, Total	ND	7.5		µg/L	5	3/18/2010 2:42:46 PM
Surr: 1,2-Dichloroethane-d4	96.9	54.6-141		%REC	5	3/18/2010 2:42:46 PM
Surr: 4-Bromofluorobenzene	117	60.1-133		%REC	5	3/18/2010 2:42:46 PM
Surr: Dibromofluoromethane	89.3	78.5-130		%REC	5	3/18/2010 2:42:46 PM
Surr: Toluene-d8	90.5	79.5-126		%REC	5	3/18/2010 2:42:46 PM
EPA METHOD 9067: TOTAL PHENOLICS						Analyst: **SCC**
Phenolics, Total Recoverable	20000	2500		µg/L	10	3/15/2010
SM4500-H+B: PH						Analyst: **BDH**
pH	7.94	0.1		pH units	1	3/15/2010 12:55:24 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1003326	**Collection Date:**	
Project:	2010 1st QTR	**Date Received:**	3/12/2010
Lab ID:	1003326-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: DAM
Benzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Toluene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Ethylbenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Naphthalene	ND	2.0		µg/L	1	3/17/2010 3:34:32 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/17/2010 3:34:32 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/17/2010 3:34:32 AM
Acetone	ND	10		µg/L	1	3/17/2010 3:34:32 AM
Bromobenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Bromodichloromethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Bromoform	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Bromomethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
2-Butanone	ND	10		µg/L	1	3/17/2010 3:34:32 AM
Carbon disulfide	ND	10		µg/L	1	3/17/2010 3:34:32 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Chlorobenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Chloroethane	ND	2.0		µg/L	1	3/17/2010 3:34:32 AM
Chloroform	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Chloromethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
2-Chlorotoluene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
4-Chlorotoluene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
cis-1,2-DCE	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/17/2010 3:34:32 AM
Dibromochloromethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Dibromomethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/17/2010 3:34:32 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1003326	**Collection Date:**	
Project:	2010 1st QTR	**Date Received:**	3/12/2010
Lab ID:	1003326-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: DAM
2-Hexanone	ND	10		µg/L	1	3/17/2010 3:34:32 AM
Isopropylbenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/17/2010 3:34:32 AM
Methylene Chloride	ND	3.0		µg/L	1	3/17/2010 3:34:32 AM
n-Butylbenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
n-Propylbenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
sec-Butylbenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Styrene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
tert-Butylbenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/17/2010 3:34:32 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
trans-1,2-DCE	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/17/2010 3:34:32 AM
Vinyl chloride	ND	1.0		µg/L	1	3/17/2010 3:34:32 AM
Xylenes, Total	ND	1.5		µg/L	1	3/17/2010 3:34:32 AM
Surr: 1,2-Dichloroethane-d4	98.2	54.6-141		%REC	1	3/17/2010 3:34:32 AM
Surr: 4-Bromofluorobenzene	103	60.1-133		%REC	1	3/17/2010 3:34:32 AM
Surr: Dibromofluoromethane	98.1	78.5-130		%REC	1	3/17/2010 3:34:32 AM
Surr: Toluene-d8	95.5	79.5-126		%REC	1	3/17/2010 3:34:32 AM

Qualifiers:

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

ARS ANALYTICAL, LLC
4301 Masthead NE Albuquerque, NM 87109, ph. 505-345-8964 fax 505-345-7259

Explanation of codes	
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
U	Concentration is below MDL
J	Concentration between MDL and RDL
1-9	See Footnote

HALL ENVIRONMENTAL
attn ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

ARS Analytical, LLC

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **1003326**
Order: **10030351 HAL03** Receipt: **03-12-10**

for Elvin J. Chavez: President of ARS Analytical, LLC

Sample: ***1003326-01I INFL TO EP-1*** Collected: *03-10-10 14:40:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10030351-001A		SM 5220C						By: FAS		
COD10017	WC.2010.573.10	C-004	Chemical Oxygen Demand	795	mg/L	1	4		03-15-10	03-16-10

Sample: ***1003326-01J INFL TO EP-1*** Collected: *03-10-10 14:40:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10030351-002A		SM 5210B						By: JLE		
BOD100027	WC.2010.575.16	10-26-4	Biochemical Oxygen Demand	159	mg/L	1	4		03-12-10	03-17-10

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Reporting Limit. Sample specific Reporting Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 3/17/2010 4:52:09 PM

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100316036
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003326
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100316036-001	**Sampling Date**	3/10/2010	**Date/Time Received**	3/16/2010 11:15 AM
Client Sample ID	1003326-01F / INFL TO EP-1	**Sampling Time**	2:40 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00169	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

Sample Number	100316036-002	**Sampling Date**	3/10/2010	**Date/Time Received**	3/16/2010 11:15 AM
Client Sample ID	1003326-01H / INFL TO EP-1	**Sampling Time**	2:40 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00105	mg/L	0.001	3/24/2010	JTT	EPA 6020A	

Authorized Signature

John Coddington, Lab Manager

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

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

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2832; ID:WA00169; WA:C1287; MT:Cert0095

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID: **R37974**		Analysis Date:	3/29/2010 10:37:21 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R38038**		Analysis Date:	4/1/2010 11:38:21 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R37974**		Analysis Date:	3/29/2010 10:54:46 AM		
Fluoride	0.5384	mg/L	0.10	0.5	0	108	90	110			
Chloride	4.814	mg/L	0.50	5	0	96.3	90	110			
Bromide	2.374	mg/L	0.10	2.5	0	95.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.423	mg/L	0.20	3.5	0	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.950	mg/L	0.50	5	0	99.0	90	110			
Sulfate	10.25	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R38038**		Analysis Date:	4/1/2010 11:55:46 AM		
Fluoride	0.4958	mg/L	0.10	0.5	0	99.2	90	110			
Chloride	4.715	mg/L	0.50	5	0	94.3	90	110			
Phosphorus, Orthophosphate (As P)	4.809	mg/L	0.50	5	0	96.2	90	110			
Sulfate	9.788	mg/L	0.50	10	0	97.9	90	110			
Method: EPA Method 9067: Total Phenolics											
Sample ID: MB-21649/21653		*MBLK*				Batch ID: **21653**		Analysis Date:	3/15/2010		
Phenolics, Total Recoverable	ND	µg/L	2.5								
Sample ID: LCS-21649/21653		*LCS*				Batch ID: **21653**		Analysis Date:	3/15/2010		
Phenolics, Total Recoverable	18.90	µg/L	2.5	20	0	94.5	64	114			
Sample ID: LCSD-21649/21653		*LCSD*				Batch ID: **21653**		Analysis Date:	3/15/2010		
Phenolics, Total Recoverable	17.54	µg/L	2.5	20	0	87.7	64	114	7.49	20	
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21676		*MBLK*				Batch ID: **21676**		Analysis Date:	3/18/2010 5:32:58 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21676		*LCS*				Batch ID: **21676**		Analysis Date:	3/19/2010 9:04:47 AM		
Diesel Range Organics (DRO)	6.382	mg/L	1.0	5	0	128	74	157			
Sample ID: LCSD-21676		*LCSD*				Batch ID: **21676**		Analysis Date:	3/18/2010 6:45:25 PM		
Diesel Range Organics (DRO)	6.911	mg/L	1.0	5	0	138	74	157	7.95	23	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: B		*MBLK*				Batch ID:	**R37774**	Analysis Date:		3/15/2010 10:05:29 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37774**	Analysis Date:		3/15/2010 8:35:03 PM	
Gasoline Range Organics (GRO)	0.5382	mg/L	0.050	0.5	0	108	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R37774**	Analysis Date:		3/15/2010 9:03:48 PM	
Gasoline Range Organics (GRO)	0.5018	mg/L	0.050	0.5	0	100	80	115	7.00	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Cl Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
Batch ID: R37790 **Analysis Date: 3/16/2010 11:33:29 AM**											
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Ca[redacted]etrachloride	ND	µg/L	1.0								
Chl[redacted]nzene	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								

Qu[redacted]rs:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R37790**		Analysis Date:	3/16/2010 11:33:29 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID: **R37819**		Analysis Date:	3/18/2010 10:28:12 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
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
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
				Batch ID: **R37819**			Analysis Date:	3/18/2010 10:28:12 AM			
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*									
				Batch ID: **R37790**			Analysis Date:	3/16/2010 12:30:03 PM			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R37790**	Analysis Date:		3/16/2010 12:30:03 PM	
Benzene	20.04	µg/L	1.0	20	0	100	76.7	114			
Toluene	22.03	µg/L	1.0	20	0	110	78.4	117			
Chlorobenzene	20.63	µg/L	1.0	20	0	103	80.7	127			
1,1-Dichloroethene	24.04	µg/L	1.0	20	0	120	80.2	128			
Trichloroethene (TCE)	22.50	µg/L	1.0	20	0	113	77.4	115			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R37819**	Analysis Date:		3/18/2010 11:24:28 AM	
Benzene	19.78	µg/L	1.0	20	0	98.9	76.7	114			
Toluene	22.61	µg/L	1.0	20	0	113	78.4	117			
Chlorobenzene	20.87	µg/L	1.0	20	0	104	80.7	127			
1,1-Dichloroethene	23.21	µg/L	1.0	20	0	116	80.2	128			
Trichloroethene (TCE)	21.75	µg/L	1.0	20	0	109	77.4	115			
Sample ID: 100ng lcsd		*LCSD*				Batch ID:	**R37790**	Analysis Date:		3/17/2010 4:02:29 AM	
Benzene	19.70	µg/L	1.0	20	0	98.5	76.7	114	1.69	11	
Toluene	21.55	µg/L	1.0	20	0	108	78.4	117	2.22	12.2	
Chlorobenzene	19.74	µg/L	1.0	20	0	98.7	80.7	127	4.39	12	
1,1-Dichloroethene	23.00	µg/L	1.0	20	0	115	80.2	128	4.42	19.3	
Trichloroethene (TCE)	20.95	µg/L	1.0	20	0	105	77.4	115	7.17	15.5	

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21647		*MBLK*					Batch ID: **21647**		Analysis Date:	3/15/2010 11:24:55 AM	
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Ca[redacted]le	ND	µg/L	10								
4-[redacted]-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								

Qu[redacted]ers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21647		*MBLK*				Batch ID:	**21647**	Analysis Date:	3/15/2010 11:24:55 AM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	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-21647		*LCS*				Batch ID:	**21647**	Analysis Date:	3/15/2010 11:54:28 AM		
Acenaphthene	57.76	µg/L	10	100	0	57.8	33.2	88.1			
4-Chloro-3-methylphenol	135.9	µg/L	10	200	0	68.0	26.5	101			
2-Chlorophenol	118.8	µg/L	10	200	0	59.4	27.5	88.7			
1,4-Dichlorobenzene	56.04	µg/L	10	100	0	56.0	27.2	74.1			
2,4-Dinitrotoluene	67.46	µg/L	10	100	0	67.5	32.6	107			
N-Nitrosodi-n-propylamine	70.18	µg/L	10	100	0	70.2	27.1	96.3			
4-Nitrophenol	65.36	µg/L	10	200	0	32.7	6.78	74.7			
Pentachlorophenol	103.7	µg/L	20	200	0	51.8	14.8	113			
Phenol	76.54	µg/L	10	200	0	38.3	17	53.4			
Pyrene	71.12	µg/L	10	100	0	71.1	27	96.3			
1,2,4-Trichlorobenzene	55.88	µg/L	10	100	0	55.9	30	77.9			
Sample ID: lcsd-21647		*LCSD*				Batch ID:	**21647**	Analysis Date:	3/15/2010 12:23:57 PM		
Acenaphthene	62.26	µg/L	10	100	0	62.3	33.2	88.1	7.50	30.5	
4-Chloro-3-methylphenol	133.4	µg/L	10	200	0	66.7	26.5	101	1.86	28.6	
2-Chlorophenol	122.1	µg/L	10	200	0	61.1	27.5	88.7	2.74	107	
1,4-Dichlorobenzene	53.20	µg/L	10	100	0	53.2	27.2	74.1	5.20	62.1	
2,4-Dinitrotoluene	75.70	µg/L	10	100	0	75.7	32.6	107	11.5	14.7	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-21647		*LCSD*				Batch ID:	**21647**	Analysis Date:		3/15/2010 12:23:57 PM	
N-Nitrosodi-n-propylamine	67.78	µg/L	10	100	0	67.8	27.1	96.3	3.48	30.3	
4-Nitrophenol	75.60	µg/L	10	200	0	37.8	6.78	74.7	14.5	36.3	
Pentachlorophenol	117.5	µg/L	20	200	0	58.8	14.8	113	12.5	49	
Phenol	71.66	µg/L	10	200	0	35.8	17	53.4	6.59	52.4	
Pyrene	70.70	µg/L	10	100	0	70.7	27	96.3	0.592	16.3	
1,2,4-Trichlorobenzene	60.44	µg/L	10	100	0	60.4	30	77.9	7.84	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-21661		*MBLK*				Batch ID:	**21661**	Analysis Date:		3/16/2010 4:15:02 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-21661		*LCS*				Batch ID:	**21661**	Analysis Date:		3/16/2010 4:16:51 PM	
Mercury	0.004713	mg/L	0.00020	0.005	0	94.3	80	120			
Sample ID: LCS-21661		*LCS*				Batch ID:	**21661**	Analysis Date:		3/16/2010 4:18:40 PM	
Mercury	0.004713	mg/L	0.00020	0.005	0	94.3	80	120	0.0131	0	

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R37782**	Analysis Date:	3/16/2010 2:05:26 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: MB		*MBLK*				Batch ID:	**R37813**	Analysis Date:	3/18/2010 10:37:10 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	**R37782**	Analysis Date:	3/16/2010 2:08:19 PM		
Arsenic	0.4876	mg/L	0.020	0.5	0	97.5	80	120			
Barium	0.4810	mg/L	0.020	0.5	0	96.2	80	120			
Cadmium	0.4877	mg/L	0.0020	0.5	0	97.5	80	120			
Calcium	49.94	mg/L	1.0	50.5	0	98.9	80	120			
Chromium	0.4884	mg/L	0.0060	0.5	0	97.7	80	120			
Copper	0.5240	mg/L	0.0060	0.5	0	105	80	120			
Iron	0.4952	mg/L	0.020	0.5	0	99.0	80	120			
Lead	0.4798	mg/L	0.0050	0.5	0	96.0	80	120			
Magnesium	50.37	mg/L	1.0	50.5	0	99.7	80	120			
Manganese	0.4816	mg/L	0.0020	0.5	0	96.3	80	120			
Potassium	52.99	mg/L	1.0	55	0.104	96.2	80	120			
Selenium	0.4781	mg/L	0.050	0.5	0	95.6	80	120			

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R37782**	Analysis Date:	3/16/2010 2:08:19 PM		
Silver	0.5016	mg/L	0.0050	0.5	0	100	80	120			
Sodium	53.08	mg/L	1.0	50.5	0	105	80	120			
Zinc	0.4825	mg/L	0.050	0.5	0	96.5	80	120			
Sample ID: LCSRR		*LCS*				Batch ID:	**R37782**	Analysis Date:	3/16/2010 3:09:25 PM		
Arsenic	0.4982	mg/L	0.020	0.5	0	99.6	80	120			
Barium	0.4815	mg/L	0.020	0.5	0	96.3	80	120			
Cadmium	0.4962	mg/L	0.0020	0.5	0	99.2	80	120			
Calcium	50.14	mg/L	1.0	50.5	0	99.3	80	120			
Chromium	0.4893	mg/L	0.0060	0.5	0	97.9	80	120			
Copper	0.5273	mg/L	0.0060	0.5	0	105	80	120			
Iron	0.4887	mg/L	0.020	0.5	0	97.7	80	120			
Lead	0.4923	mg/L	0.0050	0.5	0	98.5	80	120			
Magnesium	50.49	mg/L	1.0	50.5	0	100	80	120			
Manganese	0.4821	mg/L	0.0020	0.5	0	96.4	80	120			
Potassium	52.68	mg/L	1.0	55	0.104	95.6	80	120			
Selenium	0.4994	mg/L	0.050	0.5	0	99.9	80	120			
Silver	0.4983	mg/L	0.0050	0.5	0	99.7	80	120			
Sodium	52.79	mg/L	1.0	50.5	0	105	80	120			
Zinc	0.4866	mg/L	0.050	0.5	0	97.3	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R37813**	Analysis Date:	3/18/2010 10:40:04 AM		
Arsenic	0.5002	mg/L	0.020	0.5	0	100	80	120			
Barium	0.4809	mg/L	0.020	0.5	0	96.2	80	120			
Cadmium	0.4913	mg/L	0.0020	0.5	0	98.3	80	120			
Calcium	49.93	mg/L	1.0	50.5	0	98.9	80	120			
Chromium	0.4877	mg/L	0.0060	0.5	0	97.5	80	120			
Copper	0.5313	mg/L	0.0060	0.5	0	106	80	120			
Iron	0.4850	mg/L	0.020	0.5	0	97.0	80	120			
Lead	0.4899	mg/L	0.0050	0.5	0	98.0	80	120			
Magnesium	49.95	mg/L	1.0	50.5	0	98.9	80	120			
Manganese	0.4817	mg/L	0.0020	0.5	0	96.3	80	120			
Potassium	52.07	mg/L	1.0	55	0	94.7	80	120			
Selenium	0.4915	mg/L	0.050	0.5	0	98.3	80	120			
Silver	0.4901	mg/L	0.0050	0.5	0	98.0	80	120			
Sodium	48.76	mg/L	1.0	50.5	0	96.5	80	120			
Zinc	0.4888	mg/L	0.050	0.5	0	97.8	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003326

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-21671		*MBLK*				Batch ID:	**21671**	Analysis Date:	3/18/2010 10:55:18 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-21671		*LCS*				Batch ID:	**21671**	Analysis Date:	3/18/2010 10:58:13 AM		
Arsenic	0.4957	mg/L	0.020	0.5	0	99.1	80	120			
Barium	0.4880	mg/L	0.020	0.5	0	97.6	80	120			
Cadmium	0.4982	mg/L	0.0020	0.5	0	99.6	80	120			
Chromium	0.4995	mg/L	0.0060	0.5	0.0033	99.2	80	120			
Copper	0.5654	mg/L	0.0060	0.5	0.0029	112	80	120			
Iron	0.5016	mg/L	0.050	0.5	0.0216	96.0	80	120			
Lead	0.4908	mg/L	0.0050	0.5	0	98.2	80	120			
Manganese	0.4913	mg/L	0.0020	0.5	0	98.3	80	120			
Selenium	0.5019	mg/L	0.050	0.5	0	100	80	120			
Zinc	0.4745	mg/L	0.020	0.5	0	94.9	80	120			
Sample ID: LCS-21671		*LCS*				Batch ID:	**21671**	Analysis Date:	3/18/2010 4:17:01 PM		
Arsenic	0.5090	mg/L	0.020	0.5	0	102	80	120	2.65	0	
Barium	0.4944	mg/L	0.020	0.5	0	98.9	80	120	1.30	0	
Cadmium	0.5102	mg/L	0.0020	0.5	0	102	80	120	2.38	0	
Chromium	0.5055	mg/L	0.0060	0.5	0.0033	100	80	120	1.18	0	
Copper	0.5552	mg/L	0.0060	0.5	0.0029	110	80	120	1.81	0	
Iron	0.5038	mg/L	0.050	0.5	0.0216	96.5	80	120	0.438	0	
Lead	0.5023	mg/L	0.0050	0.5	0	100	80	120	2.32	0	
Manganese	0.4975	mg/L	0.0020	0.5	0	99.5	80	120	1.25	0	
Selenium	0.5001	mg/L	0.050	0.5	0	100	80	120	0.352	0	
Zinc	0.4842	mg/L	0.020	0.5	0	96.8	80	120	2.03	0	

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/12/2010**

Work Order Number **1003326** Received by: ARS

Checklist completed by: _____ 3/12/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
W[illegible]- VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	1
W[illegible]- Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**5.0°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

[illegible]rective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: 2010 1st QTR

Project #: Influent

Project Manager: G. Rajen

Sampler: C Johnson

On Ice: ☑ Yes ☐ No

Sample Temperature: 2.0

HEAL No. 1003396

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.
3/10/10	1440	H2O	Infl to EP-1	1L Amber	None	1
				1L Amber	H_2SO_4	1
				40ml-3	HCl	1
				40ml-3	HCl	1
				500ml-1	None	1
				250ml-1	H_2SO_4	1
				500ml-2	HNO_3	1
				125ml-2	HNO_3	1
				250ml-1	None	1
				125ml-1	H_2SO_4	1
			TRIP Blank			2

Date	Time	Relinquished by:	Received by:	Date	Time
3/10/10	1530			3/12/10	9:50
Date:	Time:	Relinquished by:	Received by:	Date	Time

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	phenols	BTEX / MTBE	WQCC Metals - Total	WQCC Metals - Diss	Air Bubbles (Y or N)
										X					
											X				
									X						
		X													
												X			
												X			
													X		
														X	
							X								
							X								

Remarks: major Anions, Major Cations, pH, Chlorides.

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Infl to AL-1
AL-2
EP-1

COVER LETTER

Thursday, June 17, 2010

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

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

RE: 2nd QTR Influents

Order No.: 1006251

Dear Ed Riege:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 6/8/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

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

1-LAB at 17nT

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1006251
Project: 2nd QTR Influents
Lab ID: 1006251-01

Client Sample ID: Infl to AL1
Collection Date: 6/7/2010 1:40:00 PM
Date Received: 6/8/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/10/2010 4:52:52 PM
2-Chlorophenol	ND	50		µg/L	1	6/10/2010 4:52:52 PM
2,4-Dichlorophenol	ND	100		µg/L	1	6/10/2010 4:52:52 PM
2,4-Dimethylphenol	200	50		µg/L	1	6/10/2010 4:52:52 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/10/2010 4:52:52 PM
2,4-Dinitrophenol	ND	100		µg/L	1	6/10/2010 4:52:52 PM
2-Methylphenol	1000	50		µg/L	1	6/10/2010 4:52:52 PM
3+4-Methylphenol	1600	500		µg/L	10	6/10/2010 4:22:55 PM
2-Nitrophenol	ND	50		µg/L	1	6/10/2010 4:52:52 PM
4-Nitrophenol	ND	50		µg/L	1	6/10/2010 4:52:52 PM
Pentachlorophenol	ND	100		µg/L	1	6/10/2010 4:52:52 PM
Phenol	2600	500		µg/L	10	6/10/2010 4:22:55 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/10/2010 4:52:52 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/10/2010 4:52:52 PM
Surr: 2,4,6-Tribromophenol	55.1	16.6-150		%REC	1	6/10/2010 4:52:52 PM
Surr: 2-Fluorobiphenyl	56.4	19.6-134		%REC	1	6/10/2010 4:52:52 PM
Surr: 2-Fluorophenol	39.4	9.54-113		%REC	1	6/10/2010 4:52:52 PM
Surr: 4-Terphenyl-d14	45.7	22.7-145		%REC	1	6/10/2010 4:52:52 PM
Surr: Nitrobenzene-d5	55.8	14.6-134		%REC	1	6/10/2010 4:52:52 PM
Surr: Phenol-d5	32.3	10.7-80.3		%REC	1	6/10/2010 4:52:52 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL2
Lab Order:	1006251	**Collection Date:**	6/7/2010 1:45:00 PM
Project:	2nd QTR Influents	**Date Received:**	6/8/2010
Lab ID:	1006251-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/10/2010 5:52:47 PM
2-Chlorophenol	ND	50		µg/L	1	6/10/2010 5:52:47 PM
2,4-Dichlorophenol	ND	100		µg/L	1	6/10/2010 5:52:47 PM
2,4-Dimethylphenol	ND	50		µg/L	1	6/10/2010 5:52:47 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/10/2010 5:52:47 PM
2,4-Dinitrophenol	ND	100		µg/L	1	6/10/2010 5:52:47 PM
2-Methylphenol	ND	50		µg/L	1	6/10/2010 5:52:47 PM
3+4-Methylphenol	ND	50		µg/L	1	6/10/2010 5:52:47 PM
2-Nitrophenol	ND	50		µg/L	1	6/10/2010 5:52:47 PM
4-Nitrophenol	ND	50		µg/L	1	6/10/2010 5:52:47 PM
Pentachlorophenol	ND	100		µg/L	1	6/10/2010 5:52:47 PM
Phenol	ND	50		µg/L	1	6/10/2010 5:52:47 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/10/2010 5:52:47 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/10/2010 5:52:47 PM
Surr: 2,4,6-Tribromophenol	73.4	16.6-150		%REC	1	6/10/2010 5:52:47 PM
Surr: 2-Fluorobiphenyl	63.1	19.6-134		%REC	1	6/10/2010 5:52:47 PM
Surr: 2-Fluorophenol	53.3	9.54-113		%REC	1	6/10/2010 5:52:47 PM
Surr: 4-Terphenyl-d14	57.4	22.7-145		%REC	1	6/10/2010 5:52:47 PM
Surr: Nitrobenzene-d5	69.7	14.6-134		%REC	1	6/10/2010 5:52:47 PM
Surr: Phenol-d5	38.1	10.7-80.3		%REC	1	6/10/2010 5:52:47 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to EP1
Lab Order:	1006251	**Collection Date:**	6/7/2010 1:57:00 PM
Project:	2nd QTR Influents	**Date Received:**	6/8/2010
Lab ID:	1006251-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/10/2010 6:52:43 PM
2-Chlorophenol	ND	50		µg/L	1	6/10/2010 6:52:43 PM
2,4-Dichlorophenol	ND	100		µg/L	1	6/10/2010 6:52:43 PM
2,4-Dimethylphenol	ND	50		µg/L	1	6/10/2010 6:52:43 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/10/2010 6:52:43 PM
2,4-Dinitrophenol	ND	100		µg/L	1	6/10/2010 6:52:43 PM
2-Methylphenol	ND	50		µg/L	1	6/10/2010 6:52:43 PM
3+4-Methylphenol	ND	50		µg/L	1	6/10/2010 6:52:43 PM
2-Nitrophenol	ND	50		µg/L	1	6/10/2010 6:52:43 PM
4-Nitrophenol	ND	50		µg/L	1	6/10/2010 6:52:43 PM
Pentachlorophenol	ND	100		µg/L	1	6/10/2010 6:52:43 PM
Phenol	ND	50		µg/L	1	6/10/2010 6:52:43 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/10/2010 6:52:43 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/10/2010 6:52:43 PM
Surr: 2,4,6-Tribromophenol	78.8	16.6-150		%REC	1	6/10/2010 6:52:43 PM
Surr: 2-Fluorobiphenyl	71.1	19.6-134		%REC	1	6/10/2010 6:52:43 PM
Surr: 2-Fluorophenol	54.5	9.54-113		%REC	1	6/10/2010 6:52:43 PM
Surr: 4-Terphenyl-d14	63.2	22.7-145		%REC	1	6/10/2010 6:52:43 PM
Surr: Nitrobenzene-d5	65.3	14.6-134		%REC	1	6/10/2010 6:52:43 PM
Surr: Phenol-d5	41.7	10.7-80.3		%REC	1	6/10/2010 6:52:43 PM

Qualifiers:

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

ESC
L·A·B S·C·I·E·N·C·E·S
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12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

June 15, 2010

Date Received : June 09, 2010
Description :

Sample ID : INFL TO AL1

Collected By :
Collection Date : 06/07/10 13:40

ESC Sample # : L463198-01

Site ID :

Project # : 1006251

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
BOD	400	5.0	mg/l	SM5210B	06/14/10	1
COD	200	10.	mg/l	410.4	06/14/10	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 06/15/10 10:51 Printed: 06/15/10 10:52

ESC
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Mt. Juliet, TN 37122
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

June 15, 2010

ESC Sample # : L463198-02

Site ID :

Project # : 1006251

Date Received : June 09, 2010
Description :

Sample ID : INFL TO AL2

Collected By :
Collection Date : 06/07/10 13:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
BOD	310	5.0	mg/l	SM5210B	06/14/10	1
COD	1200	50.	mg/l	410.4	06/14/10	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 06/15/10 10:51 Printed: 06/15/10 10:52

ESC
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Mt. Juliet, TN 37122
(615) 758-5858
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

June 15, 2010

Date Received : June 09, 2010
Description :

Sample ID : INFL TO EP1

Collected By :
Collection Date : 06/07/10 13:57

ESC Sample # : L463198-03

Site ID :

Project # : 1006251

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
BOD	280	5.0	mg/l	SM5210B	06/14/10	1
COD	1200	50.	mg/l	410.4	06/14/10	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 06/15/10 10:51 Printed: 06/15/10 10:52

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Hall Environmental Analysis Laboratory
Anne Thorne
4901 Hawkins NE

Albuquerque, NM 87109

Quality Assurance Report
Level II

L463198

June 15, 2010

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
COD	<10	mg/l			WG482996	06/14/10 09:25
BOD	-0.0200	mg/l			WG482628	06/14/10 11:16

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
COD	mg/l	250	250	1.61	5	L463233-01	WG482996
COD	mg/l	930.	920.	0.973	5	L463184-04	WG482996
BOD	mg/l	0	0	0	5	L463164-02	WG482628
BOD	mg/l	0	0	0	5	L463179-04	WG482628
BOD	mg/l	0	0	0	5	L463248-02	WG482628
BOD	mg/l	0	0	0	5	L463237-02	WG482628
BOD	mg/l	2500	2400	4.08	5	L462274-01	WG482628

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
COD	mg/l	250	238	95.0	90-110	WG482996
BOD	mg/l	198	170.	85.9	84.6-115.4	WG482628
BOD	mg/l	198	167.	84.3*	84.6-115.4	WG482628
BOD	mg/l	198	148.	74.7*	84.6-115.4	WG482628
BOD	mg/l	198	165.	83.3*	84.6-115.4	WG482628
BOD	mg/l	198	181.	91.4	84.6-115.4	WG482628
BOD	mg/l	198	164.	82.8*	84.6-115.4	WG482628
BOD	mg/l	198	193.	97.5	84.6-115.4	WG482628
BOD	mg/l	198	176	89.9	84.6-115.4	WG482628

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
COD	mg/l	238	238	91.0	90-110	0%	5	WG482996

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
COD	mg/l	831	410	400	105	90-110	L463209-01	WG482996

Matrix Spike Duplicate

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
COD	mg/l	831	831	106	90-110	0.0360	5	L463209-01	WG482996

Batch number /Run number / Sample number cross reference

WG482996: R1251230: L463198-01 02 03
WG482628: R1251009: L463198-01 02 03

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd QTR Influents **Work Order:** 1006251

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-22575		*MBLK*				Batch ID:	**22575**	Analysis Date:		6/10/2010 2:23:27 PM	
4-Chloro-3-methylphenol	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenol	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-22575		*LCS*				Batch ID:	**22575**	Analysis Date:		6/10/2010 2:53:13 PM	
4-Chloro-3-methylphenol	118.6	µg/L	10	200	0	59.3	23.3	123			
2-Chlorophenol	113.1	µg/L	10	200	0	56.5	23.9	112			
4-Nitrophenol	75.78	µg/L	10	200	0	37.9	13.2	76.7			
Pentachlorophenol	136.3	µg/L	20	200	3.92	66.2	22.4	121			
Phenol	63.42	µg/L	10	200	0	31.7	15.3	68.3			
Sample ID: lcsd-22575		*LCSD*				Batch ID:	**22575**	Analysis Date:		6/10/2010 3:23:06 PM	
4-Chloro-3-methylphenol	132.7	µg/L	10	200	0	66.4	23.3	123	11.2	28.6	
2-Chlorophenol	118.2	µg/L	10	200	0	59.1	23.9	112	4.39	107	
4-Nitrophenol	76.94	µg/L	10	200	0	38.5	13.2	76.7	1.52	36.3	
Pentachlorophenol	128.0	µg/L	20	200	3.92	62.0	22.4	121	6.25	49	
Phenol	68.98	µg/L	10	200	0	34.5	15.3	68.3	8.40	52.4	

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **6/8/2010**

Work Order Number **1006251** Received by: **ARS**

Checklist completed by: _____ 6/8/10 Sample ID labels checked by: _____

Signature Date Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**0.3°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 3

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: PO Box 7 Gallup NM

Phone #: 505 722 3833

email or Fax#: 505 722-0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: 2nd QTR Influents

Project #:

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1006251
6/7/10	1340	H_2O	Infl to AL1	1-500	None	1
				1-250	H_2SO_4	1
				1-L	None	1
	1345		Infl to AL2	1-500	None	2
				1-250	H_2SO_4	2
				1-L	None	2
	1351		Infl to EP1	1-500	None	3
				1-250	H_2SO_4	3
				1-L	None	3
			Trip Blank 6/6/10			

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA) +phenols					Air Bubbles (Y or N)
											X 1300	CSD			
												X			
										X					
											X				
												X			
										X					
											X				
										X					

Date: 6/7/10 Time: 1425 Relinquished by:

Received by: 9:15 Date: 6/8/10 Time

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.

Infl to EP-1 EP-1 Inlet

BW to EP-2

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Friday, July 16, 2010

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

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Semi Annual

Order No.: 1006A26

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 6/29/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

For Andy Freeman, Laboratory Manager

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

193 of 194

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EPI-IN
Lab Order:	1006A26	**Collection Date:**	6/28/2010 2:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	140	30		mg/L	10	7/1/2010 6:55:54 PM
Motor Oil Range Organics (MRO)	ND	150		mg/L	10	7/1/2010 6:55:54 PM
Surr: DNOP	132	86.9-151		%REC	10	7/1/2010 6:55:54 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	2.8	0.50		mg/L	10	7/6/2010 11:45:20 AM
Surr: BFB	144	65.7-118	S	%REC	10	7/6/2010 11:45:20 AM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	140	5.0		mg/L	50	6/30/2010 1:08:09 PM
Chloride	220	25		mg/L	50	6/30/2010 1:08:09 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	6/30/2010 12:50:45 PM
Bromide	1.9	1.0		mg/L	10	6/30/2010 12:50:45 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	6/30/2010 12:50:45 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/30/2010 12:50:45 PM
Sulfate	2000	25		mg/L	50	6/30/2010 1:08:09 PM
EPA 200.8: DISSOLVED METALS						Analyst: **TES**
Arsenic	0.012	0.0050		mg/L	5	7/15/2010 12:39:28 PM
Selenium	0.029	0.0050		mg/L	5	7/15/2010 12:39:28 PM
Uranium	ND	0.0050		mg/L	5	7/15/2010 5:04:17 PM
EPA 200.8: METALS						Analyst: **TES**
Arsenic	0.021	0.0050		mg/L	5	7/8/2010 5:30:00 PM
Selenium	0.039	0.0050		mg/L	5	7/8/2010 5:30:00 PM
Uranium	0.0053	0.0050		mg/L	5	7/8/2010 5:30:00 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.00080		mg/L	1	7/6/2010 5:18:25 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Barium	0.039	0.020		mg/L	1	7/1/2010 12:20:00 PM
Cadmium	ND	0.0020		mg/L	1	7/1/2010 12:20:00 PM
Chromium	0.015	0.0060		mg/L	1	7/1/2010 12:20:00 PM
Copper	ND	0.0060		mg/L	1	7/1/2010 12:20:00 PM
Iron	12	0.40		mg/L	20	7/1/2010 1:12:14 PM
Lead	ND	0.0050		mg/L	1	7/1/2010 12:20:00 PM
Manganese	0.27	0.0020		mg/L	1	7/1/2010 12:20:00 PM
Silver	ND	0.0050		mg/L	1	7/1/2010 12:20:00 PM
Zinc	0.071	0.050		mg/L	1	7/1/2010 12:20:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EPI-IN
Lab Order:	1006A26	**Collection Date:**	6/28/2010 2:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Barium	0.34	0.020		mg/L	1	7/1/2010 10:04:06 AM
Cadmium	ND	0.0020		mg/L	1	7/1/2010 10:04:06 AM
Calcium	61	1.0		mg/L	1	7/1/2010 10:04:06 AM
Chromium	0.026	0.0060		mg/L	1	7/1/2010 10:04:06 AM
Copper	0.058	0.0060		mg/L	1	7/1/2010 10:04:06 AM
Iron	25	2.5		mg/L	50	7/1/2010 10:35:59 AM
Lead	0.010	0.0050		mg/L	1	7/1/2010 10:04:06 AM
Magnesium	14	1.0		mg/L	1	7/1/2010 10:04:06 AM
Manganese	0.31	0.0020		mg/L	1	7/1/2010 10:04:06 AM
Potassium	38	1.0		mg/L	1	7/1/2010 10:04:06 AM
Silver	ND	0.0050		mg/L	1	7/1/2010 10:04:06 AM
Sodium	1000	50		mg/L	50	7/1/2010 10:35:59 AM
Zinc	0.55	0.020		mg/L	1	7/1/2010 10:04:06 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Acenaphthene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Acenaphthylene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Aniline	60	50		µg/L	1	7/6/2010 2:59:44 PM
Anthracene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Azobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benz(a)anthracene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benzo(a)pyrene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benzoic acid	ND	100		µg/L	1	7/6/2010 2:59:44 PM
Benzyl alcohol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Butyl benzyl phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Carbazole	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Chloroaniline	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2-Chloronaphthalene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2-Chlorophenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Chrysene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Di-n-butyl phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1006A26
Project: 2010 Semi Annual
Lab ID: 1006A26-01

Client Sample ID: EPI-IN
Collection Date: 6/28/2010 2:00:00 PM
Date Received: 6/29/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Di-n-octyl phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Dibenzofuran	ND	50		µg/L	1	7/6/2010 2:59:44 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Diethyl phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Dimethyl phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2,4-Dichlorophenol	ND	100		µg/L	1	7/6/2010 2:59:44 PM
2,4-Dimethylphenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	7/6/2010 2:59:44 PM
2,4-Dinitrophenol	ND	100		µg/L	1	7/6/2010 2:59:44 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Fluoranthene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Fluorene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Hexachlorobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Hexachlorobutadiene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Hexachloroethane	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Isophorone	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2-Methylnaphthalene	97	50		µg/L	1	7/6/2010 2:59:44 PM
2-Methylphenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
3+4-Methylphenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	7/6/2010 2:59:44 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	7/6/2010 2:59:44 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Naphthalene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2-Nitroaniline	ND	50		µg/L	1	7/6/2010 2:59:44 PM
3-Nitroaniline	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Nitroaniline	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Nitrobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2-Nitrophenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Nitrophenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Pentachlorophenol	ND	100		µg/L	1	7/6/2010 2:59:44 PM
Phenanthrene	100	50		µg/L	1	7/6/2010 2:59:44 PM
Phenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Pyrene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Pyridine	ND	50		µg/L	1	7/6/2010 2:59:44 PM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: EPI-IN
Lab Order: 1006A26
Collection Date: 6/28/2010 2:00:00 PM
Project: 2010 Semi Annual
Date Received: 6/29/2010
Lab ID: 1006A26-01
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
1,2,4-Trichlorobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Surr: 2,4,6-Tribromophenol	73.4	16.6-150		%REC	1	7/6/2010 2:59:44 PM
Surr: 2-Fluorobiphenyl	54.7	19.6-134		%REC	1	7/6/2010 2:59:44 PM
Surr: 2-Fluorophenol	37.9	9.54-113		%REC	1	7/6/2010 2:59:44 PM
Surr: 4-Terphenyl-d14	41.6	22.7-145		%REC	1	7/6/2010 2:59:44 PM
Surr: Nitrobenzene-d5	50.0	14.6-134		%REC	1	7/6/2010 2:59:44 PM
Surr: Phenol-d5	31.4	10.7-80.3		%REC	1	7/6/2010 2:59:44 PM
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Toluene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Ethylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2,4-Trimethylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,3,5-Trimethylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Naphthalene	ND	40		µg/L	20	7/8/2010 3:37:32 PM
1-Methylnaphthalene	ND	80		µg/L	20	7/8/2010 3:37:32 PM
2-Methylnaphthalene	ND	80		µg/L	20	7/8/2010 3:37:32 PM
Acetone	550	200		µg/L	20	7/8/2010 3:37:32 PM
Bromobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Bromodichloromethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Bromoform	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Bromomethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
2-Butanone	ND	200		µg/L	20	7/8/2010 3:37:32 PM
Carbon disulfide	ND	200		µg/L	20	7/8/2010 3:37:32 PM
Carbon Tetrachloride	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Chlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Chloroethane	ND	40		µg/L	20	7/8/2010 3:37:32 PM
Chloroform	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Chloromethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
2-Chlorotoluene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
4-Chlorotoluene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
cis-1,2-DCE	ND	20		µg/L	20	7/8/2010 3:37:32 PM
cis-1,3-Dichloropropene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	7/8/2010 3:37:32 PM
Dibromochloromethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Dibromomethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1006A26
Project: 2010 Semi Annual
Lab ID: 1006A26-01

Client Sample ID: EPI-IN
Collection Date: 6/28/2010 2:00:00 PM
Date Received: 6/29/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,2-Dichlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,3-Dichlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,4-Dichlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Dichlorodifluoromethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1-Dichloroethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1-Dichloroethene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2-Dichloropropane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,3-Dichloropropane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
2,2-Dichloropropane	ND	40		µg/L	20	7/8/2010 3:37:32 PM
1,1-Dichloropropene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Hexachlorobutadiene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
2-Hexanone	ND	200		µg/L	20	7/8/2010 3:37:32 PM
Isopropylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
4-Isopropyltoluene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
4-Methyl-2-pentanone	ND	200		µg/L	20	7/8/2010 3:37:32 PM
Methylene Chloride	ND	60		µg/L	20	7/8/2010 3:37:32 PM
n-Butylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
n-Propylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
sec-Butylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Styrene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
tert-Butylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	7/8/2010 3:37:32 PM
Tetrachloroethene (PCE)	ND	20		µg/L	20	7/8/2010 3:37:32 PM
trans-1,2-DCE	ND	20		µg/L	20	7/8/2010 3:37:32 PM
trans-1,3-Dichloropropene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2,3-Trichlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2,4-Trichlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1,1-Trichloroethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1,2-Trichloroethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Trichloroethene (TCE)	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Trichlorofluoromethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2,3-Trichloropropane	ND	40		µg/L	20	7/8/2010 3:37:32 PM
Vinyl chloride	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Xylenes, Total	ND	30		µg/L	20	7/8/2010 3:37:32 PM
Surr: 1,2-Dichloroethane-d4	85.2	54.6-141		%REC	20	7/8/2010 3:37:32 PM
Surr: 4-Bromofluorobenzene	107	60.1-133		%REC	20	7/8/2010 3:37:32 PM
Surr: Dibromofluoromethane	99.9	78.5-130		%REC	20	7/8/2010 3:37:32 PM
Surr: Toluene-d8	111	79.5-126		%REC	20	7/8/2010 3:37:32 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **MMS**

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EPI-IN
Lab Order:	1006A26	**Collection Date:**	6/28/2010 2:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **MMS**
Specific Conductance	5200	0.010		µmhos/cm	1	7/1/2010 5:25:00 PM
SM4500-H+B: PH						Analyst: **MMS**
pH	7.42	0.1		pH units	1	7/1/2010 5:25:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW to EP2
Lab Order:	1006A26	**Collection Date:**	6/28/2010 2:35:00 PM
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	0.27	0.10		mg/L	1	6/30/2010 1:25:34 PM
Chloride	71	10		mg/L	20	6/30/2010 1:42:59 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	6/30/2010 1:25:34 PM
Bromide	ND	0.10		mg/L	1	6/30/2010 1:25:34 PM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	6/30/2010 1:25:34 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	6/30/2010 1:25:34 PM
Sulfate	500	10		mg/L	20	6/30/2010 1:42:59 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Calcium	1.7	1.0		mg/L	1	7/1/2010 10:09:43 AM
Magnesium	ND	1.0		mg/L	1	7/1/2010 10:09:43 AM
Potassium	2.1	1.0		mg/L	1	7/1/2010 10:09:43 AM
Sodium	380	5.0		mg/L	5	7/1/2010 10:24:00 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **MMS**
Specific Conductance	1600	0.010		µmhos/cm	1	7/1/2010 5:51:00 PM
SM4500-H+B: PH						Analyst: **MMS**
pH	7.89	0.1		pH units	1	7/1/2010 5:51:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: TRIP BLANK
Lab Order: 1006A26
Collection Date:
Project: 2010 Semi Annual
Date Received: 6/29/2010
Lab ID: 1006A26-03
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Toluene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Ethylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Naphthalene	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/7/2010 12:35:17 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/7/2010 12:35:17 AM
Acetone	ND	10		µg/L	1	7/7/2010 12:35:17 AM
Bromobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Bromoform	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Bromomethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
2-Butanone	ND	10		µg/L	1	7/7/2010 12:35:17 AM
Carbon disulfide	ND	10		µg/L	1	7/7/2010 12:35:17 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Chlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Chloroethane	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
Chloroform	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Chloromethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Dibromomethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM

Qualifiers:

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

Iall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1006A26	**Collection Date:**	
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	7/7/2010 12:35:17 AM
Isopropylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/7/2010 12:35:17 AM
Methylene Chloride	ND	3.0		µg/L	1	7/7/2010 12:35:17 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Styrene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
Vinyl chloride	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Xylenes, Total	ND	1.5		µg/L	1	7/7/2010 12:35:17 AM
Surr: 1,2-Dichloroethane-d4	107	73.1-133		%REC	1	7/7/2010 12:35:17 AM
Surr: 4-Bromofluorobenzene	112	82.9-140		%REC	1	7/7/2010 12:35:17 AM
Surr: Dibromofluoromethane	119	79.2-119	S	%REC	1	7/7/2010 12:35:17 AM
Surr: Toluene-d8	110	84.4-118		%REC	1	7/7/2010 12:35:17 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R39843**	Analysis Date:	7/15/2010 12:27:56 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R39843**	Analysis Date:	7/15/2010 4:52:46 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R39843**	Analysis Date:	7/15/2010 12:33:42 PM		
Arsenic	0.02433	mg/L	0.0010	0.025	0	97.3	80	120			
Selenium	0.02515	mg/L	0.0010	0.025	0	101	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R39843**	Analysis Date:	7/15/2010 4:58:31 PM		
Uranium	0.02315	mg/L	0.0010	0.025	0	92.6	80	120			
Method: EPA 200.8: Metals											
Sample ID: MB-22942		*MBLK*				Batch ID:	**22942**	Analysis Date:	7/8/2010 5:18:27 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: LLLCS-22942		*LCS*				Batch ID:	**22942**	Analysis Date:	7/8/2010 5:24:14 PM		
Arsenic	0.05401	mg/L	0.0025	0.05	0	108	80	120			
Selenium	0.05213	mg/L	0.0025	0.05	0.0008	103	80	120			
Uranium	0.04957	mg/L	0.0025	0.05	0	99.1	80	120			
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R39576**	Analysis Date:	6/29/2010 3:05:06 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS-b		*LCS*				Batch ID:	**R39576**	Analysis Date:	6/29/2010 4:32:09 PM		
Fluoride	0.5480	mg/L	0.10	0.5	0	110	90	110			
Chloride	4.832	mg/L	0.50	5	0.1702	93.2	90	110			
Nitrogen, Nitrite (As N)	1.075	mg/L	0.10	1	0	108	90	110			
Bromide	2.471	mg/L	0.10	2.5	0	98.8	90	110			
Nitrogen, Nitrate (As N)	2.359	mg/L	0.10	2.5	0	94.4	90	110			
Phosphorus, Orthophosphate (As P)	4.974	mg/L	0.50	5	0	99.5	90	110			
Sulfate	9.900	mg/L	0.50	10	0	99.0	90	110			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual Work Order: 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-22878		*MBLK*				Batch ID:	**22878**	Analysis Date:		7/1/2010 2:23:19 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-22878		*LCS*				Batch ID:	**22878**	Analysis Date:		7/1/2010 2:57:30 PM	
Diesel Range Organics (DRO)	5.857	mg/L	1.0	5	0	117	74	157			
Sample ID: LCSD-22878		*LCSD*				Batch ID:	**22878**	Analysis Date:		7/1/2010 3:31:30 PM	
Diesel Range Organics (DRO)	6.119	mg/L	1.0	5	0	122	74	157	4.38	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R39641**	Analysis Date:		7/4/2010 2:10:05 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R39641**	Analysis Date:		7/5/2010 12:05:37 AM	
Gasoline Range Organics (GRO)	0.5168	mg/L	0.050	0.5	0	103	77.8	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R39641**	Analysis Date:		7/5/2010 12:34:37 AM	
Gasoline Range Organics (GRO)	0.5086	mg/L	0.050	0.5	0	102	77.8	124	1.60	10.3	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R39674**		**Analysis Date: 7/6/2010 9:10:29 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39674**		Analysis Date:	7/6/2010 9:10:29 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39726**		Analysis Date:	7/8/2010 9:30:51 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
Chloromethane	ND	µg/L	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								
He[redacted]robutadiene	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: R39726 Analysis Date: 7/8/2010 9:30:51 AM

Batch ID: R39674 Analysis Date: 7/6/2010 10:06:40 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R39674**	Analysis Date:		7/6/2010 10:06:40 AM	
Benzene	22.37	µg/L	1.0	20	0	112	78.2	118			
Toluene	21.64	µg/L	1.0	20	0	108	90.2	127			
Chlorobenzene	23.14	µg/L	1.0	20	0	116	90.6	122			
1,1-Dichloroethene	24.85	µg/L	1.0	20	0	124	75.3	143			
Trichloroethene (TCE)	19.01	µg/L	1.0	20	0	95.0	69.4	113			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R39726**	Analysis Date:		7/8/2010 5:02:21 PM	
Benzene	17.55	µg/L	1.0	20	0	87.7	82.4	116			
Toluene	19.19	µg/L	1.0	20	0	96.0	89.5	123			
Chlorobenzene	20.34	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	20.68	µg/L	1.0	20	0	103	90.3	138			
Trichloroethene (TCE)	16.75	µg/L	1.0	20	0	83.8	64	129			
Sample ID: lcsd		*LCSD*				Batch ID:	**R39674**	Analysis Date:		7/6/2010 8:21:53 PM	
Benzene	20.88	µg/L	1.0	20	0	104	78.2	118	6.90	11	
Toluene	22.43	µg/L	1.0	20	0	112	90.2	127	3.56	12.2	
Chlorobenzene	22.18	µg/L	1.0	20	0	111	90.6	122	4.26	12	
1,1-Dichloroethene	21.77	µg/L	1.0	20	0	109	75.3	143	13.2	19.3	
Trichloroethene (TCE)	19.53	µg/L	1.0	20	0	97.6	69.4	113	2.71	15.5	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-22868		*MBLK*				Batch ID: **22868**		Analysis Date:	7/6/2010 10:56:32 AM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
[redacted] benzyl phthalate	ND	µg/L	10								
[redacted]ole	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								
[redacted]chlorobenzene	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

ient: Western Refining Southwest, Gallup
oject: 2010 Semi Annual **Work Order:** 1006A26

nalyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ethod: EPA Method 8270C: Semivolatiles											
mple ID: mb-22868		*MBLK*				Batch ID:	**22868**	Analysis Date:		7/6/2010 10:56:32 AM	
xachlorobutadiene	ND	µg/L	10								
xachlorocyclopentadiene	ND	µg/L	10								
xachloroethane	ND	µg/L	10								
deno(1,2,3-cd)pyrene	ND	µg/L	10								
ophorone	ND	µg/L	10								
Methylnaphthalene	ND	µg/L	10								
Methylphenol	ND	µg/L	10								
-4-Methylphenol	ND	µg/L	10								
-Nitrosodi-n-propylamine	ND	µg/L	10								
-Nitrosodimethylamine	ND	µg/L	10								
-Nitrosodiphenylamine	ND	µg/L	10								
aphthalene	ND	µg/L	10								
Nitroaniline	ND	µg/L	10								
Nitroaniline	ND	µg/L	10								
Nitroaniline	ND	µg/L	10								
itrobenzene	ND	µg/L	10								
Nitrophenol	ND	µg/L	10								
N[illegible]henol	ND	µg/L	10								
e[illegible]orophenol	ND	µg/L	20								
henanthrene	ND	µg/L	10								
henol	ND	µg/L	10								
yrene	ND	µg/L	10								
yridine	ND	µg/L	10								
,2,4-Trichlorobenzene	ND	µg/L	10								
,4,5-Trichlorophenol	ND	µg/L	10								
,4,6-Trichlorophenol	ND	µg/L	10								
ample ID: lcs-22868		*LCS*				Batch ID:	**22868**	Analysis Date:		7/6/2010 11:26:39 AM	
cenaphthene	79.94	µg/L	10	100	0	79.9	29.3	113			
-Chloro-3-methylphenol	154.1	µg/L	10	200	0	77.0	23.3	123			
-Chlorophenol	134.7	µg/L	10	200	0	67.4	23.9	112			
,4-Dichlorobenzene	63.64	µg/L	10	100	0	63.6	16.5	106			
,4-Dinitrotoluene	78.20	µg/L	10	100	0	78.2	27.7	126			
-Nitrosodi-n-propylamine	67.20	µg/L	10	100	0	67.2	25.9	113			
-Nitrophenol	73.78	µg/L	10	200	0	36.9	13.2	76.7			
entachlorophenol	145.0	µg/L	20	200	0	72.5	22.4	121			
henol	73.56	µg/L	10	200	0	36.8	15.3	68.3			
yrene	70.06	µg/L	10	100	0	70.1	23.5	119			
,2,4-Trichlorobenzene	67.40	µg/L	10	100	0	67.4	23	107			
ample ID: lcsd-22868		*LCSD*				Batch ID:	**22868**	Analysis Date:		7/6/2010 11:56:56 AM	
cenaphthene	81.22	µg/L	10	100	0	81.2	29.3	113	1.59	30.5	
-Chloro-3-methylphenol	155.3	µg/L	10	200	0	77.7	23.3	123	0.815	28.6	
-Chlorophenol	137.4	µg/L	10	200	0	68.7	23.9	112	1.98	107	
,4-Dichlorobenzene	63.06	µg/L	10	100	0	63.1	16.5	106	0.916	62.1	
[illegible]itrotoluene	83.90	µg/L	10	100	0	83.9	27.7	126	7.03	14.7	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-22868		*LCSD*				Batch ID:	**22868**	Analysis Date:		7/6/2010 11:56:56 AM	
N-Nitrosodi-n-propylamine	68.83	µg/L	10	100	0	68.8	25.9	113	2.39	30.3	
4-Nitrophenol	90.52	µg/L	10	200	0	45.3	13.2	76.7	20.4	36.3	
Pentachlorophenol	178.4	µg/L	20	200	0	89.2	22.4	121	20.7	49	
Phenol	79.16	µg/L	10	200	0	39.6	15.3	68.3	7.33	52.4	
Pyrene	75.60	µg/L	10	100	0	75.6	23.5	119	7.61	16.3	
1,2,4-Trichlorobenzene	62.26	µg/L	10	100	0	62.3	23	107	7.93	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-22919		*MBLK*				Batch ID:	**22919**	Analysis Date:		7/6/2010 5:02:28 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-22919		*LCS*				Batch ID:	**22919**	Analysis Date:		7/6/2010 5:04:12 PM	
Mercury	0.004990	mg/L	0.00020	0.005	0	99.8	80	120			
Sample ID: LCS-22919		*LCS*				Batch ID:	**22919**	Analysis Date:		7/6/2010 5:05:56 PM	
Mercury	0.005090	mg/L	0.00020	0.005	0	102	80	120	1.99	0	
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R39587**	Analysis Date:		7/1/2010 11:58:24 AM	
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	**R39587**	Analysis Date:		7/1/2010 12:01:20 PM	
Barium	0.4880	mg/L	0.020	0.5	0	97.6	80	120			
Cadmium	0.4922	mg/L	0.0020	0.5	0	98.4	80	120			
Chromium	0.4979	mg/L	0.0060	0.5	0	99.6	80	120			
Copper	0.5079	mg/L	0.0060	0.5	0	102	80	120			
Iron	0.5138	mg/L	0.020	0.5	0	103	80	120			
Lead	0.4922	mg/L	0.0050	0.5	0	98.4	80	120			
Manganese	0.4826	mg/L	0.0020	0.5	0	96.5	80	120			
Silver	0.4922	mg/L	0.0050	0.5	0	98.4	80	120			
Zinc	0.5057	mg/L	0.050	0.5	0	101	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-22859		*MBLK*				Batch ID:	**22859**	Analysis Date:		7/1/2010 9:07:56 AM	
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-22859		*LCS*				Batch ID:	**22859**	Analysis Date:		7/1/2010 9:10:53 AM	
Barium	0.4777	mg/L	0.020	0.5	0	95.5	80	120			
Cadmium	0.4731	mg/L	0.0020	0.5	0	94.6	80	120			
Calcium	53.16	mg/L	1.0	50	0	106	80	120			
Chromium	0.4920	mg/L	0.0060	0.5	0	98.4	80	120			
Co	0.5217	mg/L	0.0060	0.5	0	104	80	120			
Iron	0.4958	mg/L	0.050	0.5	0	99.2	80	120			
Lead	0.4733	mg/L	0.0050	0.5	0	94.7	80	120			
Magnesium	52.62	mg/L	1.0	50	0	105	80	120			
Manganese	0.4765	mg/L	0.0020	0.5	0.0002	95.3	80	120			
Potassium	54.19	mg/L	1.0	50	0.0287	108	80	120			
Silver	0.4949	mg/L	0.0050	0.5	0.0006	98.9	80	120			
Sodium	56.16	mg/L	1.0	50	0.0421	112	80	120			
Zinc	0.4792	mg/L	0.020	0.5	0	95.8	80	120			
Sample ID: LCS-22859		*LCS*				Batch ID:	**22859**	Analysis Date:		7/9/2010 6:26:00 PM	
Barium	0.4669	mg/L	0.020	0.5	0	93.4	80	120			
Cadmium	0.4750	mg/L	0.0020	0.5	0	95.0	80	120			
Chromium	0.4800	mg/L	0.0060	0.5	0	96.0	80	120			
Lead	0.4651	mg/L	0.0050	0.5	0	93.0	80	120			
Silver	0.4886	mg/L	0.0050	0.5	0	97.7	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **6/29/2010**

Work Order Number **1006A26** Received by: **TLS**

Checklist completed by: _____ 6/29/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
[redacted] - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**3.3°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

[redacted]

Corrective Action _____

Chain-of-Custody Record

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

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2000 Semi Annual

Project #:

Project Manager: Cheryl Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.3

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1006436	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + mtbe	8270 (Semi-VOA) phenols	WQCC Metals - Total	WQCC Metals - Diss.	BenChem		Air Bubbles (Y or N)
6/28/10	1400	H2O	EPI-IN	3-40ml	HCl	1			X													
				3-40ml	HCl	1										X						
				1L	None	1											X					
				2-500ml	HNO_3	1												X				
				2-125ml	HNO3	1													X			
				1-125ml	H_2SO_4	1														X		
				1-250ml	None	1														X		
6/28/10	1435		BW to EP2	1-500ml	HNO_3	2														X		
				1-500ml	None	2														X		
				1-125ml	H_2SO_4	2														X		
			TRIP Blank	1-40ml		3																

Date: 6/29/10 Time: 1325 Relinquished by:
Received by: Date Time
Date: Time: Relinquished by:
Received by: 6/29/10 1325

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

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

InFL to AL-1
AL-2
EP-1

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, October 08, 2010

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

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

RE: 3rd Qtr 2010

Order No.: 1009596

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 9/14/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

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

1-JA of JAT
5-JA

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFF
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:23:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	39	1.0		mg/L	1	9/20/2010 7:30:00 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/20/2010 7:30:00 PM
Surr: DNOP	123	86.9-151		%REC	1	9/20/2010 7:30:00 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	150	10		mg/L	200	9/16/2010 6:45:14 PM
Surr: BFB	114	79.9-117		%REC	200	9/16/2010 6:45:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	20	2.0		mg/L	20	9/14/2010 6:46:10 PM
Chloride	260	10		mg/L	20	9/14/2010 6:46:10 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	9/14/2010 6:46:10 PM
Nitrogen, Nitrate (As N)	6.3	2.0		mg/L	20	9/14/2010 6:46:10 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	9/14/2010 6:46:10 PM
Sulfate	1300	50		mg/L	100	9/14/2010 7:03:34 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	0.00041	0.00020		mg/L	1	9/24/2010 4:21:15 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/30/2010 7:32:00 PM
Barium	0.085	0.020		mg/L	1	9/30/2010 7:32:00 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 7:32:00 PM
Calcium	60	1.0		mg/L	1	9/30/2010 7:32:00 PM
Chromium	0.080	0.0060		mg/L	1	9/30/2010 7:32:00 PM
Copper	ND	0.0060		mg/L	1	9/30/2010 7:32:00 PM
Iron	3.7	0.10		mg/L	5	9/30/2010 7:35:51 PM
Lead	ND	0.0050		mg/L	1	9/30/2010 7:32:00 PM
Magnesium	14	1.0		mg/L	1	9/30/2010 7:32:00 PM
Manganese	0.14	0.0020		mg/L	1	9/30/2010 7:32:00 PM
Potassium	13	1.0		mg/L	1	9/30/2010 7:32:00 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 7:32:00 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 7:32:00 PM
Sodium	790	10		mg/L	10	10/1/2010 12:36:40 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/29/2010 12:44:11 PM
Barium	0.12	0.020		mg/L	1	9/29/2010 12:44:11 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2010 12:44:11 PM
Chromium	0.16	0.0060		mg/L	1	9/29/2010 12:44:11 PM
Copper	0.014	0.0060		mg/L	1	9/29/2010 12:44:11 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFF
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:23:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	9.8	1.0		mg/L	20	9/29/2010 3:18:14 PM
Lead	ND	0.0050		mg/L	1	9/29/2010 12:44:11 PM
Manganese	0.15	0.0020		mg/L	1	9/29/2010 12:44:11 PM
Selenium	ND	0.050		mg/L	1	9/29/2010 12:44:11 PM
Silver	ND	0.0050		mg/L	1	9/29/2010 12:44:11 PM
Zinc	1.2	0.10		mg/L	5	9/29/2010 12:49:49 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Acenaphthene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Acenaphthylene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Aniline	870	50		µg/L	1	9/22/2010 4:09:29 PM
Anthracene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Azobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benz(a)anthracene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benzo(a)pyrene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Benzoic acid	ND	100		µg/L	1	9/22/2010 4:09:29 PM
Benzyl alcohol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Butyl benzyl phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Carbazole	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Chloroaniline	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2-Chloronaphthalene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2-Chlorophenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Chrysene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Di-n-butyl phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Di-n-octyl phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Dibenzofuran	ND	50		µg/L	1	9/22/2010 4:09:29 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/22/2010 4:09:29 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFF
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:23:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Diethyl phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Dimethyl phthalate	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2,4-Dichlorophenol	ND	100		µg/L	1	9/22/2010 4:09:29 PM
2,4-Dimethylphenol	360	50		µg/L	1	9/22/2010 4:09:29 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/22/2010 4:09:29 PM
2,4-Dinitrophenol	ND	100		µg/L	1	9/22/2010 4:09:29 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Fluoranthene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Fluorene	76	50		µg/L	1	9/22/2010 4:09:29 PM
Hexachlorobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Hexachlorobutadiene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Hexachloroethane	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Isophorone	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2-Methylnaphthalene	2300	500		µg/L	10	9/22/2010 3:39:27 PM
2-Methylphenol	1800	500		µg/L	10	9/22/2010 3:39:27 PM
3+4-Methylphenol	3700	500		µg/L	10	9/22/2010 3:39:27 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/22/2010 4:09:29 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	9/22/2010 4:09:29 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Naphthalene	2200	500		µg/L	10	9/22/2010 3:39:27 PM
2-Nitroaniline	ND	50		µg/L	1	9/22/2010 4:09:29 PM
3-Nitroaniline	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Nitroaniline	ND	100		µg/L	1	9/22/2010 4:09:29 PM
Nitrobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2-Nitrophenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
4-Nitrophenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Pentachlorophenol	ND	100		µg/L	1	9/22/2010 4:09:29 PM
Phenanthrene	230	50		µg/L	1	9/22/2010 4:09:29 PM
Phenol	4500	500		µg/L	10	9/22/2010 3:39:27 PM
Pyrene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Pyridine	ND	50		µg/L	1	9/22/2010 4:09:29 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/22/2010 4:09:29 PM
Surr: 2,4,6-Tribromophenol	50.2	16.6-150		%REC	1	9/22/2010 4:09:29 PM
Surr: 2-Fluorobiphenyl	66.3	19.6-134		%REC	1	9/22/2010 4:09:29 PM
Surr: 2-Fluorophenol	29.6	9.54-113		%REC	1	9/22/2010 4:09:29 PM
Surr: 4-Terphenyl-d14	64.0	22.7-145		%REC	1	9/22/2010 4:09:29 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFF
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:23:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Surr: Nitrobenzene-d5	62.9	14.6-134		%REC	1	9/22/2010 4:09:29 PM
Surr: Phenol-d5	42.0	10.7-80.3		%REC	10	9/22/2010 3:39:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	12000	500		µg/L	500	9/20/2010 5:41:45 PM
Toluene	30000	500		µg/L	500	9/20/2010 5:41:45 PM
Ethylbenzene	2800	100		µg/L	100	9/20/2010 6:07:51 PM
Methyl tert-butyl ether (MTBE)	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2,4-Trimethylbenzene	3000	100		µg/L	100	9/20/2010 6:07:51 PM
1,3,5-Trimethylbenzene	900	100		µg/L	100	9/20/2010 6:07:51 PM
1,2-Dichloroethane (EDC)	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Naphthalene	560	200		µg/L	100	9/20/2010 6:07:51 PM
1-Methylnaphthalene	ND	400		µg/L	100	9/20/2010 6:07:51 PM
2-Methylnaphthalene	ND	400		µg/L	100	9/20/2010 6:07:51 PM
Acetone	ND	1000		µg/L	100	9/20/2010 6:07:51 PM
Bromobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Bromodichloromethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Bromoform	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Bromomethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
2-Butanone	ND	1000		µg/L	100	9/20/2010 6:07:51 PM
Carbon disulfide	ND	1000		µg/L	100	9/20/2010 6:07:51 PM
Carbon Tetrachloride	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Chlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Chloroethane	ND	200		µg/L	100	9/20/2010 6:07:51 PM
Chloroform	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Chloromethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
2-Chlorotoluene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
4-Chlorotoluene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
cis-1,2-DCE	ND	100		µg/L	100	9/20/2010 6:07:51 PM
cis-1,3-Dichloropropene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	9/20/2010 6:07:51 PM
Dibromochloromethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Dibromomethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2-Dichlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,3-Dichlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,4-Dichlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Dichlorodifluoromethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1-Dichloroethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1-Dichloroethene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2-Dichloropropane	ND	100		µg/L	100	9/20/2010 6:07:51 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS EFF
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:23:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichloropropane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
2,2-Dichloropropane	ND	200		µg/L	100	9/20/2010 6:07:51 PM
1,1-Dichloropropene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Hexachlorobutadiene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
2-Hexanone	ND	1000		µg/L	100	9/20/2010 6:07:51 PM
Isopropylbenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
4-Isopropyltoluene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
4-Methyl-2-pentanone	ND	1000		µg/L	100	9/20/2010 6:07:51 PM
Methylene Chloride	ND	300		µg/L	100	9/20/2010 6:07:51 PM
n-Butylbenzene	170	100		µg/L	100	9/20/2010 6:07:51 PM
n-Propylbenzene	370	100		µg/L	100	9/20/2010 6:07:51 PM
sec-Butylbenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Styrene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
tert-Butylbenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	9/20/2010 6:07:51 PM
Tetrachloroethene (PCE)	ND	100		µg/L	100	9/20/2010 6:07:51 PM
trans-1,2-DCE	ND	100		µg/L	100	9/20/2010 6:07:51 PM
trans-1,3-Dichloropropene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1,1-Trichloroethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,1,2-Trichloroethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Trichloroethene (TCE)	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Trichlorofluoromethane	ND	100		µg/L	100	9/20/2010 6:07:51 PM
1,2,3-Trichloropropane	ND	200		µg/L	100	9/20/2010 6:07:51 PM
Vinyl chloride	ND	100		µg/L	100	9/20/2010 6:07:51 PM
Xylenes, Total	17000	150		µg/L	100	9/20/2010 6:07:51 PM
Surr: 1,2-Dichloroethane-d4	129	54.6-141		%REC	100	9/20/2010 6:07:51 PM
Surr: 4-Bromofluorobenzene	109	80.1-133		%REC	100	9/20/2010 6:07:51 PM
Surr: Dibromofluoromethane	127	78.5-130		%REC	100	9/20/2010 6:07:51 PM
Surr: Toluene-d8	104	79.5-126		%REC	100	9/20/2010 6:07:51 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	3600	0.010		µmhos/cm	1	9/15/2010 5:19:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.61	0.100		pH units	1	9/15/2010 5:19:00 PM

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:44:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	9.1	1.0		mg/L	1	9/20/2010 8:04:07 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/20/2010 8:04:07 PM
Surr: DNOP	116	86.9-151		%REC	1	9/20/2010 8:04:07 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.51	0.25		mg/L	5	9/17/2010 2:35:03 PM
Surr: BFB	132	79.9-117	S	%REC	5	9/17/2010 2:35:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	60	5.0		mg/L	50	9/14/2010 8:13:13 PM
Chloride	240	25		mg/L	50	9/14/2010 8:13:13 PM
Nitrogen, Nitrite (As N)	1.2	1.0		mg/L	10	9/14/2010 7:55:48 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	9/14/2010 7:55:48 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/14/2010 7:55:48 PM
Sulfate	1300	25		mg/L	50	9/14/2010 8:13:13 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	0.0011	0.00020		mg/L	1	9/24/2010 4:23:00 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/30/2010 7:38:48 PM
Barium	0.042	0.020		mg/L	1	9/30/2010 7:38:48 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 7:38:48 PM
Calcium	37	1.0		mg/L	1	9/30/2010 7:38:48 PM
Chromium	0.080	0.0060		mg/L	1	9/30/2010 7:38:48 PM
Copper	ND	0.0060		mg/L	1	9/30/2010 7:38:48 PM
Iron	1.6	0.10		mg/L	5	9/30/2010 7:53:08 PM
Lead	ND	0.0050		mg/L	1	9/30/2010 7:38:48 PM
Magnesium	14	1.0		mg/L	1	9/30/2010 7:38:48 PM
Manganese	0.20	0.0020		mg/L	1	9/30/2010 7:38:48 PM
Potassium	25	1.0		mg/L	1	9/30/2010 7:38:48 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 7:38:48 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 7:38:48 PM
Sodium	730	10		mg/L	10	10/1/2010 12:39:40 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/29/2010 12:52:59 PM
Barium	0.18	0.020		mg/L	1	9/29/2010 12:52:59 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2010 12:52:59 PM
Chromium	0.84	0.0060		mg/L	1	9/29/2010 12:52:59 PM
Copper	0.023	0.0060		mg/L	1	9/29/2010 12:52:59 PM

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- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:44:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	11	1.0		mg/L	20	9/29/2010 3:21:20 PM
Lead	ND	0.0050		mg/L	1	9/29/2010 12:52:59 PM
Manganese	0.24	0.0020		mg/L	1	9/29/2010 12:52:59 PM
Selenium	ND	0.050		mg/L	1	9/29/2010 12:52:59 PM
Silver	ND	0.0050		mg/L	1	9/29/2010 12:52:59 PM
Zinc	0.63	0.020		mg/L	1	9/29/2010 12:52:59 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Acenaphthene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Acenaphthylene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Aniline	230	50		µg/L	1	9/22/2010 5:09:26 PM
Anthracene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Azobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benz(a)anthracene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benzo(a)pyrene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Benzoic acid	ND	100		µg/L	1	9/22/2010 5:09:26 PM
Benzyl alcohol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Butyl benzyl phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Carbazole	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Chloroaniline	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Chloronaphthalene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Chlorophenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Chrysene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Di-n-butyl phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Di-n-octyl phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Dibenzofuran	ND	50		µg/L	1	9/22/2010 5:09:26 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/22/2010 5:09:26 PM

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CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:44:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Diethyl phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Dimethyl phthalate	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2,4-Dichlorophenol	ND	100		µg/L	1	9/22/2010 5:09:26 PM
2,4-Dimethylphenol	180	50		µg/L	1	9/22/2010 5:09:26 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/22/2010 5:09:26 PM
2,4-Dinitrophenol	ND	100		µg/L	1	9/22/2010 5:09:26 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Fluoranthene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Fluorene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Hexachlorobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Hexachlorobutadiene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Hexachloroethane	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Isophorone	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Methylnaphthalene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Methylphenol	400	50		µg/L	1	9/22/2010 5:09:26 PM
3+4-Methylphenol	64	50		µg/L	1	9/22/2010 5:09:26 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/22/2010 5:09:26 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	9/22/2010 5:09:26 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Naphthalene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Nitroaniline	ND	50		µg/L	1	9/22/2010 5:09:26 PM
3-Nitroaniline	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Nitroaniline	ND	100		µg/L	1	9/22/2010 5:09:26 PM
Nitrobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2-Nitrophenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
4-Nitrophenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Pentachlorophenol	ND	100		µg/L	1	9/22/2010 5:09:26 PM
Phenanthrene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Phenol	100	50		µg/L	1	9/22/2010 5:09:26 PM
Pyrene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Pyridine	ND	50		µg/L	1	9/22/2010 5:09:26 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/22/2010 5:09:26 PM
Surr: 2,4,6-Tribromophenol	53.8	16.6-150		%REC	1	9/22/2010 5:09:26 PM
Surr: 2-Fluorobiphenyl	58.9	19.6-134		%REC	1	9/22/2010 5:09:26 PM
Surr: 2-Fluorophenol	47.3	9.54-113		%REC	1	9/22/2010 5:09:26 PM
Surr: 4-Terphenyl-d14	52.9	22.7-145		%REC	1	9/22/2010 5:09:26 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:44:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Surr: Nitrobenzene-d5	64.1	14.6-134		%REC	1	9/22/2010 5:09:26 PM
Surr: Phenol-d5	37.9	10.7-80.3		%REC	1	9/22/2010 5:09:26 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Toluene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Ethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Naphthalene	ND	10		µg/L	5	9/20/2010 7:00:04 PM
1-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 7:00:04 PM
2-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 7:00:04 PM
Acetone	910	200		µg/L	20	9/21/2010 1:18:54 PM
Bromobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Bromodichloromethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Bromoform	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Bromomethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
2-Butanone	210	50		µg/L	5	9/20/2010 7:00:04 PM
Carbon disulfide	ND	50		µg/L	5	9/20/2010 7:00:04 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Chlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Chloroethane	ND	10		µg/L	5	9/20/2010 7:00:04 PM
Chloroform	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Chloromethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
2-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
4-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
cis-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/20/2010 7:00:04 PM
Dibromochloromethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Dibromomethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM

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CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL2 to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:44:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
2,2-Dichloropropane	ND	10		µg/L	5	9/20/2010 7:00:04 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
2-Hexanone	ND	50		µg/L	5	9/20/2010 7:00:04 PM
Isopropylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	9/20/2010 7:00:04 PM
Methylene Chloride	ND	15		µg/L	5	9/20/2010 7:00:04 PM
n-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
n-Propylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
sec-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Styrene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
tert-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/20/2010 7:00:04 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
trans-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	9/20/2010 7:00:04 PM
Vinyl chloride	ND	5.0		µg/L	5	9/20/2010 7:00:04 PM
Xylenes, Total	ND	7.5		µg/L	5	9/20/2010 7:00:04 PM
Surr: 1,2-Dichloroethane-d4	118	54.6-141		%REC	5	9/20/2010 7:00:04 PM
Surr: 4-Bromofluorobenzene	101	60.1-133		%REC	5	9/20/2010 7:00:04 PM
Surr: Dibromofluoromethane	109	78.5-130		%REC	5	9/20/2010 7:00:04 PM
Surr: Toluene-d8	106	79.5-126		%REC	5	9/20/2010 7:00:04 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:52:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	9.4	1.0		mg/L	1	9/20/2010 8:38:15 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/20/2010 8:38:15 PM
Surr: DNOP	124	86.9-151		%REC	1	9/20/2010 8:38:15 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.38	0.25		mg/L	5	9/17/2010 3:32:56 PM
Surr: BFB	126	79.9-117	S	%REC	5	9/17/2010 3:32:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	59	5.0		mg/L	50	9/14/2010 8:48:03 PM
Chloride	230	25		mg/L	50	9/14/2010 8:48:03 PM
Nitrogen, Nitrite (As N)	1.5	1.0		mg/L	10	9/14/2010 8:30:38 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	9/14/2010 8:30:38 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/14/2010 8:30:38 PM
Sulfate	1300	25		mg/L	50	9/14/2010 8:48:03 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	0.00056	0.00020		mg/L	1	9/24/2010 4:24:47 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/30/2010 7:56:09 PM
Barium	0.044	0.020		mg/L	1	9/30/2010 7:56:09 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 7:56:09 PM
Calcium	38	1.0		mg/L	1	9/30/2010 7:56:09 PM
Chromium	0.12	0.0060		mg/L	1	9/30/2010 7:56:09 PM
Copper	ND	0.0060		mg/L	1	9/30/2010 7:56:09 PM
Iron	2.2	0.10		mg/L	5	9/30/2010 8:00:14 PM
Lead	ND	0.0050		mg/L	1	9/30/2010 7:56:09 PM
Magnesium	14	1.0		mg/L	1	9/30/2010 7:56:09 PM
Manganese	0.20	0.0020		mg/L	1	9/30/2010 7:56:09 PM
Potassium	26	1.0		mg/L	1	9/30/2010 7:56:09 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 7:56:09 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 7:56:09 PM
Sodium	740	10		mg/L	10	10/1/2010 12:42:41 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/29/2010 1:00:10 PM
Barium	0.17	0.020		mg/L	1	9/29/2010 1:00:10 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2010 1:00:10 PM
Chromium	0.76	0.0060		mg/L	1	9/29/2010 1:00:10 PM
Copper	0.020	0.0060		mg/L	1	9/29/2010 1:00:10 PM

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:52:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	10	1.0		mg/L	20	9/29/2010 3:24:20 PM
Lead	ND	0.0050		mg/L	1	9/29/2010 1:00:10 PM
Manganese	0.23	0.0020		mg/L	1	9/29/2010 1:00:10 PM
Selenium	ND	0.050		mg/L	1	9/29/2010 1:00:10 PM
Silver	ND	0.0050		mg/L	1	9/29/2010 1:00:10 PM
Zinc	0.59	0.020		mg/L	1	9/29/2010 1:00:10 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Acenaphthene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Acenaphthylene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Aniline	240	50		µg/L	1	9/22/2010 6:09:21 PM
Anthracene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Azobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benz(a)anthracene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benzo(a)pyrene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Benzoic acid	ND	100		µg/L	1	9/22/2010 6:09:21 PM
Benzyl alcohol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Butyl benzyl phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Carbazole	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Chloroaniline	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Chloronaphthalene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Chlorophenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Chrysene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Di-n-butyl phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Di-n-octyl phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Dibenzofuran	ND	50		µg/L	1	9/22/2010 6:09:21 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/22/2010 6:09:21 PM

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:52:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Diethyl phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Dimethyl phthalate	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2,4-Dichlorophenol	ND	100		µg/L	1	9/22/2010 6:09:21 PM
2,4-Dimethylphenol	180	50		µg/L	1	9/22/2010 6:09:21 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/22/2010 6:09:21 PM
2,4-Dinitrophenol	ND	100		µg/L	1	9/22/2010 6:09:21 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Fluoranthene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Fluorene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Hexachlorobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Hexachlorobutadiene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Hexachloroethane	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Isophorone	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Methylnaphthalene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Methylphenol	480	50		µg/L	1	9/22/2010 6:09:21 PM
3+4-Methylphenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/22/2010 6:09:21 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	9/22/2010 6:09:21 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Naphthalene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Nitroaniline	ND	50		µg/L	1	9/22/2010 6:09:21 PM
3-Nitroaniline	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Nitroaniline	ND	100		µg/L	1	9/22/2010 6:09:21 PM
Nitrobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2-Nitrophenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
4-Nitrophenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Pentachlorophenol	ND	100		µg/L	1	9/22/2010 6:09:21 PM
Phenanthrene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Phenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Pyrene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Pyridine	ND	50		µg/L	1	9/22/2010 6:09:21 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/22/2010 6:09:21 PM
Surr: 2,4,6-Tribromophenol	57.6	16.6-150		%REC	1	9/22/2010 6:09:21 PM
Surr: 2-Fluorobiphenyl	65.8	19.6-134		%REC	1	9/22/2010 6:09:21 PM
Surr: 2-Fluorophenol	49.2	9.54-113		%REC	1	9/22/2010 6:09:21 PM
Surr: 4-Terphenyl-d14	63.1	22.7-145		%REC	1	9/22/2010 6:09:21 PM

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CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:52:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Surr: Nitrobenzene-d5	64.8	14.6-134		%REC	1	9/22/2010 6:09:21 PM
Surr: Phenol-d5	37.8	10.7-80.3		%REC	1	9/22/2010 6:09:21 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Toluene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Ethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Naphthalene	ND	10		µg/L	5	9/20/2010 7:52:21 PM
1-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 7:52:21 PM
2-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 7:52:21 PM
Acetone	930	200		µg/L	20	9/21/2010 1:47:08 PM
Bromobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Bromodichloromethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Bromoform	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Bromomethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
2-Butanone	200	50		µg/L	5	9/20/2010 7:52:21 PM
Carbon disulfide	ND	50		µg/L	5	9/20/2010 7:52:21 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Chlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Chloroethane	ND	10		µg/L	5	9/20/2010 7:52:21 PM
Chloroform	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Chloromethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
2-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
4-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
cis-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/20/2010 7:52:21 PM
Dibromochloromethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Dibromomethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM

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- PQL Practical Quantitation Limit
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CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to EP1
Lab Order:	1009596	**Collection Date:**	9/13/2010 1:52:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
2,2-Dichloropropane	ND	10		µg/L	5	9/20/2010 7:52:21 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
2-Hexanone	ND	50		µg/L	5	9/20/2010 7:52:21 PM
Isopropylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	9/20/2010 7:52:21 PM
Methylene Chloride	ND	15		µg/L	5	9/20/2010 7:52:21 PM
n-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
n-Propylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
sec-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Styrene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
tert-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/20/2010 7:52:21 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
trans-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	9/20/2010 7:52:21 PM
Vinyl chloride	ND	5.0		µg/L	5	9/20/2010 7:52:21 PM
Xylenes, Total	ND	7.5		µg/L	5	9/20/2010 7:52:21 PM
Surr: 1,2-Dichloroethane-d4	114	54.6-141		%REC	5	9/20/2010 7:52:21 PM
Surr: 4-Bromofluorobenzene	110	60.1-133		%REC	5	9/20/2010 7:52:21 PM
Surr: Dibromofluoromethane	111	78.5-130		%REC	5	9/20/2010 7:52:21 PM
Surr: Toluene-d8	106	79.5-126		%REC	5	9/20/2010 7:52:21 PM

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL1
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:12:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	7.9	1.0		mg/L	1	9/20/2010 9:12:22 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/20/2010 9:12:22 PM
Surr: DNOP	116	86.9-151		%REC	1	9/20/2010 9:12:22 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.57	0.25		mg/L	5	9/17/2010 4:30:58 PM
Surr: BFB	116	79.9-117		%REC	5	9/17/2010 4:30:58 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Chloride	260	10		mg/L	20	9/14/2010 9:05:28 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Acenaphthene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Acenaphthylene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Aniline	260	50		µg/L	1	9/22/2010 7:09:15 PM
Anthracene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Azobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benz(a)anthracene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benzo(a)pyrene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Benzoic acid	130	100		µg/L	1	9/22/2010 7:09:15 PM
Benzyl alcohol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Butyl benzyl phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Carbazole	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Chloroaniline	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Chloronaphthalene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Chlorophenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Chrysene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Di-n-butyl phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Di-n-octyl phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Dibenzofuran	ND	50		µg/L	1	9/22/2010 7:09:15 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL1
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:12:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
1,2-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Diethyl phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Dimethyl phthalate	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2,4-Dichlorophenol	ND	100		µg/L	1	9/22/2010 7:09:15 PM
2,4-Dimethylphenol	360	50		µg/L	1	9/22/2010 7:09:15 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/22/2010 7:09:15 PM
2,4-Dinitrophenol	ND	100		µg/L	1	9/22/2010 7:09:15 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Fluoranthene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Fluorene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Hexachlorobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Hexachlorobutadiene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Hexachloroethane	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Isophorone	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Methylnaphthalene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Methylphenol	930	500		µg/L	10	9/22/2010 6:39:28 PM
3+4-Methylphenol	1800	500		µg/L	10	9/22/2010 6:39:28 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/22/2010 7:09:15 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	9/22/2010 7:09:15 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Naphthalene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Nitroaniline	ND	50		µg/L	1	9/22/2010 7:09:15 PM
3-Nitroaniline	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Nitroaniline	ND	100		µg/L	1	9/22/2010 7:09:15 PM
Nitrobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2-Nitrophenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
4-Nitrophenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Pentachlorophenol	ND	100		µg/L	1	9/22/2010 7:09:15 PM
Phenanthrene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Phenol	2500	500		µg/L	10	9/22/2010 6:39:28 PM
Pyrene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
Pyridine	ND	50		µg/L	1	9/22/2010 7:09:15 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/22/2010 7:09:15 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL1
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:12:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Surr: 2,4,6-Tribromophenol	54.9	16.6-150		%REC	1	9/22/2010 7:09:15 PM
Surr: 2-Fluorobiphenyl	54.6	19.6-134		%REC	1	9/22/2010 7:09:15 PM
Surr: 2-Fluorophenol	45.4	9.54-113		%REC	1	9/22/2010 7:09:15 PM
Surr: 4-Terphenyl-d14	57.1	22.7-145		%REC	1	9/22/2010 7:09:15 PM
Surr: Nitrobenzene-d5	56.4	14.6-134		%REC	1	9/22/2010 7:09:15 PM
Surr: Phenol-d5	35.8	10.7-80.3		%REC	1	9/22/2010 7:09:15 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	12	5.0		µg/L	5	9/20/2010 8:44:36 PM
Toluene	31	5.0		µg/L	5	9/20/2010 8:44:36 PM
Ethylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2,4-Trimethylbenzene	26	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,3,5-Trimethylbenzene	7.0	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Naphthalene	30	10		µg/L	5	9/20/2010 8:44:36 PM
1-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 8:44:36 PM
2-Methylnaphthalene	21	20		µg/L	5	9/20/2010 8:44:36 PM
Acetone	1500	200		µg/L	20	9/21/2010 2:15:29 PM
Bromobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Bromodichloromethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Bromoform	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Bromomethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
2-Butanone	280	50		µg/L	5	9/20/2010 8:44:36 PM
Carbon disulfide	ND	50		µg/L	5	9/20/2010 8:44:36 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Chlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Chloroethane	ND	10		µg/L	5	9/20/2010 8:44:36 PM
Chloroform	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Chloromethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
2-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
4-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
cis-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/20/2010 8:44:36 PM
Dibromochloromethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Dibromomethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: INFL to AL1
Lab Order: 1009596
Collection Date: 9/13/2010 2:12:00 PM
Project: 3rd Qtr 2010
Date Received: 9/14/2010
Lab ID: 1009596-04
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
2,2-Dichloropropane	ND	10		µg/L	5	9/20/2010 8:44:36 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
2-Hexanone	ND	50		µg/L	5	9/20/2010 8:44:36 PM
Isopropylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	9/20/2010 8:44:36 PM
Methylene Chloride	ND	15		µg/L	5	9/20/2010 8:44:36 PM
n-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
n-Propylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
sec-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Styrene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
tert-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/20/2010 8:44:36 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
trans-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	9/20/2010 8:44:36 PM
Vinyl chloride	ND	5.0		µg/L	5	9/20/2010 8:44:36 PM
Xylenes, Total	38	7.5		µg/L	5	9/20/2010 8:44:36 PM
Surr: 1,2-Dichloroethane-d4	117	54.6-141		%REC	5	9/20/2010 8:44:36 PM
Surr: 4-Bromofluorobenzene	107	60.1-133		%REC	5	9/20/2010 8:44:36 PM
Surr: Dibromofluoromethane	110	78.5-130		%REC	5	9/20/2010 8:44:36 PM
Surr: Toluene-d8	107	79.5-126		%REC	5	9/20/2010 8:44:36 PM
SM4500-H+B: PH						Analyst: **IC**
pH	10.24	0.100		pH units	1	9/15/2010 5:28:00 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL2
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:31:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	7.3	1.0		mg/L	1	9/20/2010 9:46:28 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/20/2010 9:46:28 PM
Surr: DNOP	125	86.9-151		%REC	1	9/20/2010 9:46:28 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.47	0.25		mg/L	5	9/17/2010 5:28:56 PM
Surr: BFB	123	79.9-117	S	%REC	5	9/17/2010 5:28:56 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Chloride	240	25		mg/L	50	9/14/2010 9:57:43 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Acenaphthene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Acenaphthylene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Aniline	290	50		µg/L	1	9/22/2010 8:09:12 PM
Anthracene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Azobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benz(a)anthracene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benzo(a)pyrene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Benzoic acid	ND	100		µg/L	1	9/22/2010 8:09:12 PM
Benzyl alcohol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Butyl benzyl phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Carbazole	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Chloroaniline	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Chloronaphthalene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Chlorophenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Chrysene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Di-n-butyl phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Di-n-octyl phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Dibenzofuran	ND	50		µg/L	1	9/22/2010 8:09:12 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL2
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:31:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
1,2-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Diethyl phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Dimethyl phthalate	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2,4-Dichlorophenol	ND	100		µg/L	1	9/22/2010 8:09:12 PM
2,4-Dimethylphenol	210	50		µg/L	1	9/22/2010 8:09:12 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/22/2010 8:09:12 PM
2,4-Dinitrophenol	ND	100		µg/L	1	9/22/2010 8:09:12 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Fluoranthene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Fluorene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Hexachlorobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Hexachlorobutadiene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Hexachloroethane	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Isophorone	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Methylnaphthalene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Methylphenol	810	50		µg/L	1	9/22/2010 8:09:12 PM
3+4-Methylphenol	63	50		µg/L	1	9/22/2010 8:09:12 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/22/2010 8:09:12 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	9/22/2010 8:09:12 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Naphthalene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Nitroaniline	ND	50		µg/L	1	9/22/2010 8:09:12 PM
3-Nitroaniline	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Nitroaniline	ND	100		µg/L	1	9/22/2010 8:09:12 PM
Nitrobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2-Nitrophenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
4-Nitrophenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Pentachlorophenol	ND	100		µg/L	1	9/22/2010 8:09:12 PM
Phenanthrene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Phenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Pyrene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
Pyridine	ND	50		µg/L	1	9/22/2010 8:09:12 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/22/2010 8:09:12 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL2
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:31:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Surr: 2,4,6-Tribromophenol	55.2	16.6-150		%REC	1	9/22/2010 8:09:12 PM
Surr: 2-Fluorobiphenyl	55.8	19.6-134		%REC	1	9/22/2010 8:09:12 PM
Surr: 2-Fluorophenol	48.2	9.54-113		%REC	1	9/22/2010 8:09:12 PM
Surr: 4-Terphenyl-d14	60.7	22.7-145		%REC	1	9/22/2010 8:09:12 PM
Surr: Nitrobenzene-d5	60.6	14.6-134		%REC	1	9/22/2010 8:09:12 PM
Surr: Phenol-d5	38.3	10.7-80.3		%REC	1	9/22/2010 8:09:12 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Toluene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Ethylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2,4-Trimethylbenzene	6.8	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Naphthalene	ND	10		µg/L	5	9/20/2010 9:37:07 PM
1-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 9:37:07 PM
2-Methylnaphthalene	ND	20		µg/L	5	9/20/2010 9:37:07 PM
Acetone	2200	500		µg/L	50	9/21/2010 2:43:53 PM
Bromobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Bromodichloromethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Bromoform	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Bromomethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
2-Butanone	300	50		µg/L	5	9/20/2010 9:37:07 PM
Carbon disulfide	ND	50		µg/L	5	9/20/2010 9:37:07 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Chlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Chloroethane	ND	10		µg/L	5	9/20/2010 9:37:07 PM
Chloroform	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Chloromethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
2-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
4-Chlorotoluene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
cis-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/20/2010 9:37:07 PM
Dibromochloromethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Dibromomethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	INFL to AL2
Lab Order:	1009596	**Collection Date:**	9/13/2010 2:31:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
2,2-Dichloropropane	ND	10		µg/L	5	9/20/2010 9:37:07 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
2-Hexanone	ND	50		µg/L	5	9/20/2010 9:37:07 PM
Isopropylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	9/20/2010 9:37:07 PM
Methylene Chloride	ND	15		µg/L	5	9/20/2010 9:37:07 PM
n-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
n-Propylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
sec-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Styrene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
tert-Butylbenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/20/2010 9:37:07 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
trans-1,2-DCE	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	9/20/2010 9:37:07 PM
Vinyl chloride	ND	5.0		µg/L	5	9/20/2010 9:37:07 PM
Xylenes, Total	ND	7.5		µg/L	5	9/20/2010 9:37:07 PM
Surr: 1,2-Dichloroethane-d4	115	54.6-141		%REC	5	9/20/2010 9:37:07 PM
Surr: 4-Bromofluorobenzene	105	60.1-133		%REC	5	9/20/2010 9:37:07 PM
Surr: Dibromofluoromethane	109	78.5-130		%REC	5	9/20/2010 9:37:07 PM
Surr: Toluene-d8	103	79.5-126		%REC	5	9/20/2010 9:37:07 PM
SM4500-H+B: PH						Analyst: IC
pH	7.75	0.100		pH units	1	9/15/2010 5:35:00 PM

Qualifiers:

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

[redacted]all Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1009596	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Toluene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Ethylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Naphthalene	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2010 12:43:54 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2010 12:43:54 PM
Acetone	ND	10		µg/L	1	9/17/2010 12:43:54 PM
Bromobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Bromoform	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
[redacted]romomethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
2-Butanone	ND	10		µg/L	1	9/17/2010 12:43:54 PM
Carbon disulfide	ND	10		µg/L	1	9/17/2010 12:43:54 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Chlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Chloroethane	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
Chloroform	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Chloromethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Dibromomethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1009596	**Collection Date:**	.
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	9/17/2010 12:43:54 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/17/2010 12:43:54 PM
Methylene Chloride	ND	3.0		µg/L	1	9/17/2010 12:43:54 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Styrene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/17/2010 12:43:54 PM
Vinyl chloride	ND	1.0		µg/L	1	9/17/2010 12:43:54 PM
Xylenes, Total	ND	1.5		µg/L	1	9/17/2010 12:43:54 PM
Surr: 1,2-Dichloroethane-d4	94.6	54.6-141		%REC	1	9/17/2010 12:43:54 PM
Surr: 4-Bromofluorobenzene	105	60.1-133		%REC	1	9/17/2010 12:43:54 PM
Surr: Dibromofluoromethane	99.2	78.5-130		%REC	1	9/17/2010 12:43:54 PM
Surr: Toluene-d8	105	79.5-126		%REC	1	9/17/2010 12:43:54 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1009596	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Toluene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Ethylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Naphthalene	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2010 1:12:10 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/17/2010 1:12:10 PM
Acetone	ND	10		µg/L	1	9/17/2010 1:12:10 PM
Bromobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Bromoform	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
[redacted]romomethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
[redacted]-Butanone	ND	10		µg/L	1	9/17/2010 1:12:10 PM
Carbon disulfide	ND	10		µg/L	1	9/17/2010 1:12:10 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Chlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Chloroethane	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
Chloroform	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Chloromethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Dibromomethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1009596	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/14/2010
Lab ID:	1009596-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	9/17/2010 1:12:10 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/17/2010 1:12:10 PM
Methylene Chloride	ND	3.0		µg/L	1	9/17/2010 1:12:10 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Styrene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/17/2010 1:12:10 PM
Vinyl chloride	ND	1.0		µg/L	1	9/17/2010 1:12:10 PM
Xylenes, Total	ND	1.5		µg/L	1	9/17/2010 1:12:10 PM
Surr: 1,2-Dichloroethane-d4	88.9	54.6-141		%REC	1	9/17/2010 1:12:10 PM
Surr: 4-Bromofluorobenzene	98.8	60.1-133		%REC	1	9/17/2010 1:12:10 PM
Surr: Dibromofluoromethane	93.2	78.5-130		%REC	1	9/17/2010 1:12:10 PM
Surr: Toluene-d8	108	79.5-126		%REC	1	9/17/2010 1:12:10 PM

Qualifiers:

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009596
Lab ID: B10091434-001
Client Sample ID 1009596-01C,E, NAPIS EFF

Report Date: 09/23/10
Collection Date: 09/13/10 13:23
DateReceived: 09/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.002	mg/L		0.001		SW6020	09/17/10 16:07 / jjw
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	09/21/10 01:41 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009596
Lab ID: B10091434-002
Client Sample ID 1009596-02C,E, AL2 to EP1

Report Date: 09/23/10
Collection Date: 09/13/10 13:44
DateReceived: 09/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	09/17/10 16:27 / jjw
METALS, TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	09/21/10 01:49 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009596
Lab ID: B10091434-003
Client Sample ID 1009596-03C,E,G,H, INFL to EP1

Report Date: 09/23/10
Collection Date: 09/13/10 13:52
DateReceived: 09/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	200	mg/L	H	2		A5210 B	09/16/10 16:26 / ldv
Oxygen Demand, Chemical (COD)	375	mg/L	D	20		E410.4	09/17/10 11:30 / bls
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	09/21/10 17:30 / jjw
METALS, TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	09/21/10 01:54 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009596
Lab ID: B10091434-004
Client Sample ID 1009596-04C,D, INFL to AL1

Report Date: 09/23/10
Collection Date: 09/13/10 14:12
DateReceived: 09/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	780	mg/L	H	2		A5210 B	09/16/10 16:50 / ldv
Oxygen Demand, Chemical (COD)	774	mg/L	D	30		E410.4	09/17/10 11:30 / bls

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009596
Lab ID: B10091434-005
Client Sample ID 1009596-05C,D, INFL to AL2

Report Date: 09/23/10
Collection Date: 09/13/10 14:31
DateReceived: 09/16/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	280	mg/L	H	2		A5210 B	09/16/10 16:55 / ldv
Oxygen Demand, Chemical (COD)	378	mg/L	D	20		E410.4	09/17/10 11:30 / bls

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009596

Report Date: 09/23/10
Work Order: B10091434

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A5210 B									Batch: 100916_1_BOD5-W	
Sample ID: GGA1_100916	Laboratory Control Sample					Run: DO_METER_100916A			09/16/10 12:00	
Oxygen Demand, Biochemical (BOD)		180	mg/L	2.0	93	85	115			
Sample ID: MBLK1_100916	Method Blank					Run: DO_METER_100916A			09/16/10 13:10	
Oxygen Demand, Biochemical (BOD)		0.2	mg/L							
Sample ID: B10091408-001ADUP	Sample Duplicate					Run: DO_METER_100916A			09/16/10 15:22	
Oxygen Demand, Biochemical (BOD)		140	mg/L	2.0				7.9	10	

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

QA/QC Summary Report

Client: Hall Environmental
Project: 1009596

Report Date: 09/23/10
Work Order: B10091434

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4										Batch: R154047
Sample ID: MB-R154047		Method Blank				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		ND	mg/L	5						
Sample ID: LCS-R154047		Laboratory Control Sample				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		86.7	mg/L	5.0	104	90	110			
Sample ID: B10091385-001BMS		Sample Matrix Spike				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		90.9	mg/L	5.0	98	90	110			
Sample ID: B10091385-001BMSD		Sample Matrix Spike Duplicate				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		91.4	mg/L	5.0	100	90	110	0.5	10	
Sample ID: B10091448-002BMS		Sample Matrix Spike				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		60.6	mg/L	5.0	101	90	110			
Sample ID: B10091448-002BMSD		Sample Matrix Spike Duplicate				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		59.4	mg/L	5.0	96	90	110	2	10	
Sample ID: LFB		Laboratory Fortified Blank				Run: SPEC_100917C				09/17/10 11:30
Oxygen Demand, Chemical (COD)		25.9	mg/L	5.0	106	90	110			

Qualifiers:

R - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009596

Report Date: 09/23/10
Work Order: B10091434

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_100917A	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard								09/17/10 09:32
Uranium		0.0182	mg/L	0.00030	91	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								09/17/10 09:36
Uranium		2.80E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB								09/17/10 09:40
Uranium		8.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R154059
Sample ID: B10091527-003ADIL		Serial Dilution				Run: ICPMS202-B_100917A				09/17/10 17:22
Uranium		0.00873	mg/L	0.0010		0	0			
Sample ID: B10091531-002AMS		Sample Matrix Spike				Run: ICPMS202-B_100917A				09/17/10 18:11
Uranium		0.0984	mg/L	0.0010	92	75	125			
Sample ID: B10091531-002AMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_100917A				09/17/10 18:15
Uranium		0.0985	mg/L	0.0010	92	75	125	0.1	20	
Sample ID: LRB		Method Blank				Run: ICPMS202-B_100917A				09/17/10 14:10
Uranium		ND	mg/L	2E-05						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_100917A				09/17/10 14:14
Uranium		0.0508	mg/L	0.00030	102	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009596

Report Date: 09/23/10
Work Order: B10091434

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_100921B	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard							09/21/10 15:14	
Uranium		0.0188	mg/L	0.00030	94	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							09/21/10 15:18	
Uranium		1.50E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB							09/21/10 15:22	
Uranium		6.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: R154240	
Sample ID: B10091434-003BMS		Sample Matrix Spike				Run: ICPMS202-B_100921B			09/21/10 17:34	
Uranium		0.242	mg/L	0.0010	96	75	125			
Sample ID: B10091434-003BMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_100921B			09/21/10 17:38	
Uranium		0.244	mg/L	0.0010	97	75	125	0.7	20	
Sample ID: B10091525-002ADIL		Serial Dilution				Run: ICPMS202-B_100921B			09/21/10 20:26	
Uranium		0.0112	mg/L	0.0010		0	0			
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_100921B			09/21/10 16:17	
Uranium		0.0457	mg/L	0.00030	91	85	115			
Sample ID: LRB		Method Blank				Run: ICPMS202-B_100921B			09/21/10 16:29	
Uranium		ND	mg/L	2E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009596

Report Date: 09/23/10
Work Order: B10091434

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_100920A	
Sample ID: QCS-100607A,100726		Initial Calibration Verification Standard							09/20/10 11:01	
Uranium		0.0194	mg/L	0.00030	97	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							09/20/10 11:06	
Uranium		4.00E-06	mg/L	0.00030						
Sample ID: ICSAB-ME091229B,09		Interference Check Sample AB							09/20/10 11:10	
Uranium		4.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: 49134	
Sample ID: MB-49134		Method Blank				Run: ICPMS203-B_100920A			09/21/10 01:36	
Uranium		ND	mg/L	4E-06						
Sample ID: B10091434-001BDIL		Serial Dilution				Run: ICPMS203-B_100920A			09/21/10 01:45	
Uranium		0.00202	mg/L	0.0010		0	0	21	10	R
Sample ID: LCS-49134		Laboratory Control Sample				Run: ICPMS203-B_100920A			09/21/10 02:53	
Uranium		0.474	mg/L	0.0010	95	85	115			
Sample ID: B10091434-001BMS3		Sample Matrix Spike				Run: ICPMS203-B_100920A			09/21/10 02:58	
Uranium		0.514	mg/L	0.0010	102	75	125			
Sample ID: B10091434-001BMSD3		Sample Matrix Spike Duplicate				Run: ICPMS203-B_100920A			09/21/10 03:02	
Uranium		0.525	mg/L	0.0010	105	75	125	2.1	20	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23826		*MBLK*				Batch ID:	**23826**	Analysis Date:		9/20/2010 5:47:41 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23826		*LCS*				Batch ID:	**23826**	Analysis Date:		9/20/2010 6:21:47 PM	
Diesel Range Organics (DRO)	5.766	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-23826		*LCSD*				Batch ID:	**23826**	Analysis Date:		9/20/2010 6:55:54 PM	
Diesel Range Organics (DRO)	5.825	mg/L	1.0	5	0	116	74	157	1.01	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41005**	Analysis Date:		9/16/2010 9:18:48 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41005**	Analysis Date:		9/16/2010 11:20:15 AM	
Gasoline Range Organics (GRO)	0.4744	mg/L	0.050	0.5	0	94.9	89.5	122			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R41005**	Analysis Date:		9/16/2010 8:46:25 PM	
Gasoline Range Organics (GRO)	0.4850	mg/L	0.050	0.5	0	97.0	89.5	122	2.21	10.5	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID: R41037**		**Analysis Date: 9/17/2010 10:51:06 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
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
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID: R41037**		**Analysis Date: 9/17/2010 10:51:06 AM**		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2[redacted]chloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml-rb		*MBLK*					**Batch ID: R41058**		**Analysis Date: 9/20/2010 9:12:58 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
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								
Ch[redacted]rm	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
Chloromethane	ND	µg/L	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: 5ml rb		*MBLK*									

Batch ID: **R41058** Analysis Date: 9/20/2010 9:12:58 AM

Batch ID: **R41083** Analysis Date: 9/21/2010 10:38:09 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID: R41083**		**Analysis Date: 9/21/2010 10:38:09 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carb[redacted]isulfide	ND	µg/L	10								
Carb[redacted]etrachloride	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-I[redacted]opyltoluene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
				Batch ID: **R41083**			Analysis Date:		9/21/2010 10:38:09 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*									
				Batch ID: **R41127**			Analysis Date:		9/22/2010 9:46:40 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
				Batch ID: **R41127**				Analysis Date:		9/22/2010 9:46:40 AM	
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1[redacted]loropropene	ND	µg/L	1.0								
Hex[redacted]orobutadiene	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								
S[redacted]e ID: 100ng lcs		*LCS*									
				Batch ID: **R41037**				Analysis Date:		9/17/2010 11:47:25 AM	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41037**	Analysis Date:	9/17/2010 11:47:25 AM		
Benzene	19.57	µg/L	1.0	20	0	97.9	82.4	116			
Toluene	20.88	µg/L	1.0	20	0	104	89.5	123			
Chlorobenzene	20.76	µg/L	1.0	20	0	104	87.8	120			
1,1-Dichloroethene	22.03	µg/L	1.0	20	0	110	90.3	138			
Trichloroethene (TCE)	17.38	µg/L	1.0	20	0	86.9	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41058**	Analysis Date:	9/20/2010 10:05:17 AM		
Benzene	19.46	µg/L	1.0	20	0	97.3	82.4	116			
Toluene	18.58	µg/L	1.0	20	0	92.9	89.5	123			
Chlorobenzene	18.85	µg/L	1.0	20	0	94.2	87.8	120			
1,1-Dichloroethene	20.44	µg/L	1.0	20	0	102	90.3	138			
Trichloroethene (TCE)	18.53	µg/L	1.0	20	0	92.7	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41083**	Analysis Date:	9/21/2010 11:46:31 AM		
Benzene	19.50	µg/L	1.0	20	0	97.5	82.4	116			
Toluene	20.60	µg/L	1.0	20	0	103	89.5	123			
Chlorobenzene	20.43	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	21.80	µg/L	1.0	20	0	109	90.3	138			
Trichloroethene (TCE)	17.51	µg/L	1.0	20	0	87.6	64	129			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23794		*MBLK*					**Batch ID: 23794**		**Analysis Date: 9/22/2010 10:36:01 AM**		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23794		*MBLK*				Batch ID:	**23794**	Analysis Date:		9/22/2010 10:36:01 AM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
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-23794		*LCS*				Batch ID:	**23794**	Analysis Date:		9/22/2010 2:08:58 PM	
Acenaphthene	67.50	µg/L	10	100	0	67.5	29.3	113			
4-Chloro-3-methylphenol	158.8	µg/L	10	200	0	79.4	23.3	123			
2-Chlorophenol	145.5	µg/L	10	200	0	72.7	23.9	112			
1,4-Dichlorobenzene	60.42	µg/L	10	100	0	60.4	16.5	106			
2,4-Dinitrotoluene	104.8	µg/L	10	100	0	105	27.7	126			
N-Nitrosodi-n-propylamine	75.98	µg/L	10	100	0	76.0	25.9	113			
4-Nitrophenol	141.2	µg/L	10	200	0	70.6	13.2	76.7			
Pentachlorophenol	105.7	µg/L	20	200	0	52.9	22.4	121			
Phenol	96.64	µg/L	10	200	0	48.3	15.3	68.3			
Pyrene	69.92	µg/L	10	100	0	69.9	23.5	119			
1,2,4-Trichlorobenzene	68.42	µg/L	10	100	0	68.4	23	107			
Sample ID: lcsd-23794		*LCSD*				Batch ID:	**23794**	Analysis Date:		9/22/2010 2:39:15 PM	
Acenaphthene	71.26	µg/L	10	100	0	71.3	29.3	113	5.42	30.5	
4-Chloro-3-methylphenol	163.8	µg/L	10	200	0	81.9	23.3	123	3.09	28.6	
2-Chlorophenol	165.0	µg/L	10	200	0	82.5	23.9	112	12.6	107	
1,4-Dichlorobenzene	66.62	µg/L	10	100	0	66.6	16.5	106	9.76	62.1	
2,4-Dinitrotoluene	107.2	µg/L	10	100	0	107	27.7	126	2.25	14.7	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23794		*LCSD*				Batch ID:	**23794**	Analysis Date:		9/22/2010 2:39:15 PM	
N-Nitrosodi-n-propylamine	81.34	µg/L	10	100	0	81.3	25.9	113	6.81	30.3	
4-Nitrophenol	136.6	µg/L	10	200	0	68.3	13.2	76.7	3.25	36.3	
Pentachlorophenol	92.98	µg/L	20	200	0	46.5	22.4	121	12.8	49	
Phenol	94.12	µg/L	10	200	0	47.1	15.3	68.3	2.64	52.4	
Pyrene	72.64	µg/L	10	100	0	72.6	23.5	119	3.82	16.3	
1,2,4-Trichlorobenzene	70.04	µg/L	10	100	0	70.0	23	107	2.34	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-23893		*MBLK*				Batch ID:	**23893**	Analysis Date:		9/24/2010 3:54:19 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23893		*LCS*				Batch ID:	**23893**	Analysis Date:		9/24/2010 3:56:08 PM	
Mercury	0.004916	mg/L	0.00020	0.005	0	98.3	80	120			
Sample ID: LCS-23893		*LCS*				Batch ID:	**23893**	Analysis Date:		9/24/2010 3:57:56 PM	
Mercury	0.005011	mg/L	0.00020	0.005	0	100	80	120	1.90	0	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R41291**	Analysis Date:	9/30/2010 7:11:57 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID:	**R41319**	Analysis Date:	10/1/2010 12:30:48 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID:	**R41291**	Analysis Date:	9/30/2010 7:14:44 PM		
Arsenic	0.5007	mg/L	0.020	0.5	0	100	80	120			
Barium	0.4771	mg/L	0.020	0.5	0	95.4	80	120			
Cadmium	0.4949	mg/L	0.0020	0.5	0	99.0	80	120			
Calcium	48.47	mg/L	1.0	50.5	0	96.0	80	120			
Chromium	0.4855	mg/L	0.0060	0.5	0	97.1	80	120			
Copper	0.5175	mg/L	0.0060	0.5	0	104	80	120			
Iron	0.4847	mg/L	0.020	0.5	0	96.9	80	120			
Lead	0.4863	mg/L	0.0050	0.5	0	97.3	80	120			
Magnesium	49.56	mg/L	1.0	50.5	0	98.1	80	120			
Manganese	0.4718	mg/L	0.0020	0.5	0	94.4	80	120			
Potassium	51.97	mg/L	1.0	55	0	94.5	80	120			
Selenium	0.4877	mg/L	0.050	0.5	0	97.5	80	120			
Silver	0.4952	mg/L	0.0050	0.5	0.0004	99.0	80	120			
Sodium	52.92	mg/L	1.0	50.5	0	105	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R41319**	Analysis Date:	10/1/2010 12:33:38 PM		
Arsenic	0.4908	mg/L	0.020	0.5	0	98.2	80	120			
Barium	0.4717	mg/L	0.020	0.5	0	94.3	80	120			
Cadmium	0.4799	mg/L	0.0020	0.5	0	96.0	80	120			
Calcium	50.19	mg/L	1.0	50.5	0.0311	99.3	80	120			
Chromium	0.4771	mg/L	0.0060	0.5	0	95.4	80	120			
Copper	0.5044	mg/L	0.0060	0.5	0	101	80	120			
Iron	0.4726	mg/L	0.020	0.5	0	94.5	80	120			
Lead	0.4787	mg/L	0.0050	0.5	0	95.7	80	120			
Magnesium	50.70	mg/L	1.0	50.5	0.0319	100	80	120			
Manganese	0.4664	mg/L	0.0020	0.5	0	93.3	80	120			
Potassium	52.97	mg/L	1.0	55	0.0703	96.2	80	120			
Selenium	0.4723	mg/L	0.050	0.5	0	94.5	80	120			
Silver	0.4782	mg/L	0.0050	0.5	0.0003	95.6	80	120			
Sodium	53.62	mg/L	1.0	50.5	0.042	106	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009596

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23927		*MBLK*				Batch ID:	**23927**	Analysis Date:	9/29/2010 10:15:48 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23927		*LCS*				Batch ID:	**23927**	Analysis Date:	9/29/2010 10:16:44 AM		
Arsenic	0.4938	mg/L	0.020	0.5	0	98.8	80	120			
Barium	0.4934	mg/L	0.020	0.5	0	98.7	80	120			
Cadmium	0.4890	mg/L	0.0020	0.5	0	97.8	80	120			
Chromium	0.5031	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5610	mg/L	0.0060	0.5	0	112	80	120			
Iron	0.5060	mg/L	0.050	0.5	0.0136	98.5	80	120			
Lead	0.4890	mg/L	0.0050	0.5	0	97.8	80	120			
Manganese	0.4913	mg/L	0.0020	0.5	0.0001	98.2	80	120			
Selenium	0.4610	mg/L	0.050	0.5	0	92.2	80	120			
Silver	0.5034	mg/L	0.0050	0.5	0.0003	101	80	120			
Zinc	0.4837	mg/L	0.020	0.5	0	96.7	80	120			
Sample ID: LCS-23927		*LCS*				Batch ID:	**23927**	Analysis Date:	9/29/2010 10:21:53 AM		
Arsenic	0.5050	mg/L	0.020	0.5	0	101	80	120			
Barium	0.4882	mg/L	0.020	0.5	0	97.6	80	120			
Cadmium	0.4964	mg/L	0.0020	0.5	0	99.3	80	120			
Chromium	0.4962	mg/L	0.0060	0.5	0	99.2	80	120			
Copper	0.5539	mg/L	0.0060	0.5	0	111	80	120			
Iron	0.5025	mg/L	0.050	0.5	0.0136	97.8	80	120			
Lead	0.4988	mg/L	0.0050	0.5	0	99.8	80	120			
Manganese	0.4862	mg/L	0.0020	0.5	0.0001	97.2	80	120			
Selenium	0.4634	mg/L	0.050	0.5	0	92.7	80	120			
Silver	0.4989	mg/L	0.0050	0.5	0.0003	99.7	80	120			
Zinc	0.4778	mg/L	0.020	0.5	0	95.6	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 9/14/2010

Work Order Number 1009596 | Received by: MLW

Checklist completed by: [signature] 9/14/10 (Signature / Date) | Sample ID labels checked by: [initials]

Matrix: | Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.8°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: [initials]

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: As per C.J. added 8270 to lngfl to AL1 & lngfl to AL2. R 9/15/10

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☐ Rush _____

Project Name: 3rd QTR 2010

Project #: Influents, Effluents

Project Manager: Cheryl Johnson

Sampler: CJohnson

On Ice: ☐ Yes ☐ No

Sample Temperature: 1.8

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. 1006956	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO3, NO2, PO4, SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA) 7 MTBE	8270 (Semi-VOA)	Major Cations / Anions	WQCC Metals Total & Diss	GenChem	BOD/COD	Air Bubbles (Y or N)
9/13/10	1323	H2O	NAPIS Eff			1			X							X	X	X	X	X		
	1344		AL2 to EP1			2			X							X	X	X	X			
	1352		Infl to EP1			3			X							X	X	X	X		X	
	1412		Infl to AL1			4			X					X		X	✓				X	
	1431		Infl to AL2			5			X					X		X	✓				X	
			Field Blank			6																
			Trip Blank			7																

Date	Time	Relinquished by:	Received by:	Date	Time
9/13/10			MWalters	9/14/10	910
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: ~~At~~ Infl to AL2 - pH, Chlorides, Anions Cations.

GenChem: Cations, Anions, pH, SpecCond

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

EP-2 -In

COVER LETTER

Monday, August 02, 2010

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

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual

Order No.: 1007788

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 7/22/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

NL-EQ

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP2-IN
Lab Order:	1007788	**Collection Date:**	7/21/2010 3:10:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007788-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	21	3.0		mg/L	1	7/26/2010 7:36:06 PM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	7/26/2010 7:36:06 PM
Surr: DNOP	139	86.9-151		%REC	1	7/26/2010 7:36:06 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.83	0.25		mg/L	5	7/27/2010 3:43:35 PM
Surr: BFB	138	65.7-118	S	%REC	5	7/27/2010 3:43:35 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Toluene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Ethylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Naphthalene	ND	10		µg/L	5	7/29/2010 10:14:12 AM
1-Methylnaphthalene	ND	20		µg/L	5	7/29/2010 10:14:12 AM
2-Methylnaphthalene	ND	20		µg/L	5	7/29/2010 10:14:12 AM
Acetone	490	50		µg/L	5	7/29/2010 10:14:12 AM
Bromobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Bromodichloromethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Bromoform	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Bromomethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
2-Butanone	ND	50		µg/L	5	7/29/2010 10:14:12 AM
Carbon disulfide	ND	50		µg/L	5	7/29/2010 10:14:12 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Chlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Chloroethane	ND	10		µg/L	5	7/29/2010 10:14:12 AM
Chloroform	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Chloromethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
2-Chlorotoluene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
4-Chlorotoluene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
cis-1,2-DCE	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	7/29/2010 10:14:12 AM
Dibromochloromethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Dibromomethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP2-IN
Lab Order:	1007788	**Collection Date:**	7/21/2010 3:10:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007788-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,4-Dichlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
2,2-Dichloropropane	ND	10		µg/L	5	7/29/2010 10:14:12 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
2-Hexanone	ND	50		µg/L	5	7/29/2010 10:14:12 AM
Isopropylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	7/29/2010 10:14:12 AM
Methylene Chloride	ND	15		µg/L	5	7/29/2010 10:14:12 AM
n-Butylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
n-Propylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
sec-Butylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Styrene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
tert-Butylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	7/29/2010 10:14:12 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
trans-1,2-DCE	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	7/29/2010 10:14:12 AM
Vinyl chloride	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Xylenes, Total	ND	7.5		µg/L	5	7/29/2010 10:14:12 AM
Surr: 1,2-Dichloroethane-d4	105	54.6-141		%REC	5	7/29/2010 10:14:12 AM
Surr: 4-Bromofluorobenzene	127	60.1-133		%REC	100	7/28/2010 5:48:19 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	5	7/29/2010 10:14:12 AM
Surr: Toluene-d8	107	79.5-126		%REC	5	7/29/2010 10:14:12 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	4120	200		mg/L	1	7/25/2010 4:17:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007788	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007788-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Toluene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Ethylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Naphthalene	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 6:15:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 6:15:47 PM
Acetone	ND	10		µg/L	1	7/28/2010 6:15:47 PM
Bromobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Bromoform	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Bromomethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
2-Butanone	ND	10		µg/L	1	7/28/2010 6:15:47 PM
Carbon disulfide	ND	10		µg/L	1	7/28/2010 6:15:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Chlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Chloroethane	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
Chloroform	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Chloromethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Dibromomethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007788	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007788-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/28/2010 6:15:47 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/28/2010 6:15:47 PM
Methylene Chloride	ND	3.0		µg/L	1	7/28/2010 6:15:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Styrene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
Vinyl chloride	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Xylenes, Total	ND	1.5		µg/L	1	7/28/2010 6:15:47 PM
Surr: 1,2-Dichloroethane-d4	104	54.6-141		%REC	1	7/28/2010 6:15:47 PM
Surr: 4-Bromofluorobenzene	117	60.1-133		%REC	1	7/28/2010 6:15:47 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	1	7/28/2010 6:15:47 PM
Surr: Toluene-d8	108	79.5-126		%REC	1	7/28/2010 6:15:47 PM

Qualifiers:

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007788
Lab ID: B10072198-001
Client Sample ID 1007788-01C &-01D EP2-IN

Report Date: 07/30/10
Collection Date: 07/21/10 15:10
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	210	mg/L		2		A5210 B	07/23/10 12:48 / brh
Oxygen Demand, Chemical (COD)	399	mg/L	D	20		E410.4	07/27/10 11:15 / bls

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1007788

Report Date: 07/30/10
Work Order: B10072198

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A5210 B									Batch: 100723_1_BOD5-W	
Sample ID: GGA1_100723	Laboratory Control Sample					Run: DO_METER_100723A			07/23/10 14:29	
Oxygen Demand, Biochemical (BOD)		200	mg/L	2.0	102	85	115			
Sample ID: B10072086-001ADUP	Sample Duplicate					Run: DO_METER_100723A			07/23/10 14:35	
Oxygen Demand, Biochemical (BOD)		270	mg/L	2.0				6.6	10	
Sample ID: MBLK1_100723	Method Blank					Run: DO_METER_100723A			07/23/10 14:55	
Oxygen Demand, Biochemical (BOD)		0.1	mg/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1007788

Report Date: 07/30/10
Work Order: B10072198

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4										Batch: R151394
Sample ID: MB-R151394		Method Blank				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		ND	mg/L	5						
Sample ID: LCS-R151394		Laboratory Control Sample				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		84.7	mg/L	5.0	102	90	110			
Sample ID: B10071293-001CMS		Sample Matrix Spike				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		54.3	mg/L	5.0	100	90	110			
Sample ID: B10071293-001CMSD		Sample Matrix Spike Duplicate				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		55.4	mg/L	5.0	104	90	110	2	10	
Sample ID: B10072233-001AMS		Sample Matrix Spike				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		46.2	mg/L	5.0	99	90	110			
Sample ID: B10072233-001AMSD		Sample Matrix Spike Duplicate				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		45.3	mg/L	5.0	95	90	110	2	10	
Sample ID: LFB		Laboratory Fortified Blank				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		26.1	mg/L	5.0	107	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007788

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23153		*MBLK*				Batch ID:	**23153**	Analysis Date:		7/26/2010 5:20:41 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23153		*LCS*				Batch ID:	**23153**	Analysis Date:		7/26/2010 5:54:32 PM	
Diesel Range Organics (DRO)	5.828	mg/L	1.0	5	0	117	74	157			
Sample ID: LCSD-23153		*LCSD*				Batch ID:	**23153**	Analysis Date:		7/26/2010 6:28:24 PM	
Diesel Range Organics (DRO)	6.010	mg/L	1.0	5	0	120	74	157	3.08	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R40035**	Analysis Date:		7/26/2010 9:47:15 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R40035**	Analysis Date:		7/26/2010 11:48:53 AM	
Gasoline Range Organics (GRO)	0.5144	mg/L	0.050	0.5	0	103	82.3	122			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007788

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*				Batch ID: **R40086**		Analysis Date: 7/28/2010 10:48:22 AM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007788

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*									
				Batch ID: **R40086**				Analysis Date:	7/28/2010 10:48:22 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Tric[redacted]fluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b4		*MBLK*									
				Batch ID: **R40086**				Analysis Date:	7/28/2010 10:23:15 PM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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								
Chl[redacted]n	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007788

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*									
Batch ID: R40086 Analysis Date: 7/28/2010 10:23:15 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-b		*LCS*									
Batch ID: R40086 Analysis Date: 7/28/2010 12:15:54 P											

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007788

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R40086**	Analysis Date:	7/28/2010 12:15:54 PM		
Benzene	19.43	µg/L	1.0	20	0	97.2	82.4	116			
Toluene	21.80	µg/L	1.0	20	0	109	89.5	123			
Chlorobenzene	20.91	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	24.33	µg/L	1.0	20	0	122	90.3	138			
Trichloroethene (TCE)	17.27	µg/L	1.0	20	0	86.3	64	129			
Method: SM2540C MOD: Total Dissolved Solids											
Sample ID: MB-23131		*MBLK*				Batch ID:	**23131**	Analysis Date:	7/25/2010 4:17:00 PM		
Total Dissolved Solids	ND	mg/L	20.0								
Sample ID: LCS-23131		*LCS*				Batch ID:	**23131**	Analysis Date:	7/25/2010 4:17:00 PM		
Total Dissolved Solids	1015	mg/L	20.0	1000	0	102	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **7/22/2010**

Work Order Number **1007788** Received by: **TLS**

Checklist completed by: Signature 7/22/10 Date Sample ID labels checked by: Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**-0.3°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: 123 BX 7 Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 2010 Annual
Project #: EP-2 In
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.3

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1007788	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) 7 MTBE	8270 (Semi-VOA)	TPH 8015D	Chloride	TDS		Air Bubbles (Y or N)
7/21/10	1510	H2O	EP2-IN	1-250ml	H2SO4	1													X			
				1-500ml	None	1												X				
				1-500ml	None	1														X		
				3-40ml	HCl	1	X									X						
				3-40ml	HCl	1		X														
			Trip Blank			2																

Date: 7/21/10 Time: 1532 Relinquished by:
Received by: Date 7/22/10 Time 915
Date: Time: Relinquished by:
Received by: Date Time

Remarks: ~~BTEX~~ + MTBE 8260 Per CJ client wants gro, dro, 8260 run for 7 days. To 7/22

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.

Infl to AL-1
AL-2
EP 1

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Wednesday, December 01, 2010

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

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

RE: 4th Qtr 2010

Order No.: 1011223

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 11/4/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

1-JA of JAA

5

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:29:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	68	1.0		mg/L	1	11/10/2010 12:34:03 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/10/2010 12:34:03 PM
Surr: DNOP	123	86.9-151		%REC	1	11/10/2010 12:34:03 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	62	25		mg/L	500	11/6/2010 1:31:52 AM
Surr: BFB	107	84.5-118		%REC	500	11/6/2010 1:31:52 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	410	20		mg/L	200	11/16/2010 1:22:39 AM
Chloride	240	10		mg/L	20	11/4/2010 9:22:59 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/4/2010 9:22:59 PM
Nitrogen, Nitrate (As N)	11	2.0		mg/L	20	11/4/2010 9:22:59 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	11/4/2010 9:22:59 PM
Sulfate	820	10		mg/L	20	11/4/2010 9:22:59 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	0.00060	0.00020		mg/L	1	11/10/2010 12:41:34 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/17/2010 7:11:26 PM
Barium	0.028	0.020		mg/L	1	11/17/2010 7:11:26 PM
Cadmium	ND	0.0020		mg/L	1	11/17/2010 7:11:26 PM
Calcium	6.7	1.0		mg/L	1	11/17/2010 7:11:26 PM
Chromium	0.024	0.0060		mg/L	1	11/17/2010 7:11:26 PM
Copper	ND	0.0060		mg/L	1	11/17/2010 7:11:26 PM
Iron	6.0	0.20		mg/L	10	11/22/2010 9:31:03 AM
Lead	ND	0.0050		mg/L	1	11/17/2010 7:11:26 PM
Magnesium	7.7	1.0		mg/L	1	11/17/2010 7:11:26 PM
Manganese	0.17	0.0020		mg/L	1	11/17/2010 7:11:26 PM
Potassium	76	1.0		mg/L	1	11/17/2010 7:11:26 PM
Selenium	ND	0.050		mg/L	1	11/17/2010 7:11:26 PM
Silver	ND	0.0050		mg/L	1	11/17/2010 7:11:26 PM
Sodium	570	10		mg/L	10	11/22/2010 9:31:03 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	1	11/9/2010 12:55:14 PM
Barium	ND	0.10		mg/L	1	11/9/2010 12:55:14 PM
Cadmium	ND	0.010		mg/L	1	11/9/2010 12:55:14 PM
Chromium	ND	0.030		mg/L	1	11/9/2010 12:55:14 PM
Copper	ND	0.030		mg/L	1	11/9/2010 12:55:14 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:29:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Iron	13	1.3		mg/L	5	11/9/2010 1:47:01 PM
Lead	ND	0.025		mg/L	1	11/9/2010 12:55:14 PM
Manganese	0.16	0.010		mg/L	1	11/9/2010 12:55:14 PM
Selenium	ND	0.25		mg/L	1	11/9/2010 12:55:14 PM
Silver	ND	0.025		mg/L	1	11/9/2010 12:55:14 PM
Zinc	0.32	0.10		mg/L	1	11/9/2010 12:55:14 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Acenaphthylene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Aniline	350	50		µg/L	1	11/10/2010 1:58:58 PM
Anthracene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Azobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benz(a)anthracene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Benzoic acid	370	100		µg/L	1	11/10/2010 1:58:58 PM
Benzyl alcohol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Carbazole	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Chloroaniline	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2-Chlorophenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Chrysene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Dibenzofuran	ND	50		µg/L	1	11/10/2010 1:58:58 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/10/2010 1:58:58 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:29:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Dimethyl phthalate	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/10/2010 1:58:58 PM
2,4-Dimethylphenol	410	50		µg/L	1	11/10/2010 1:58:58 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/10/2010 1:58:58 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/10/2010 1:58:58 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Fluoranthene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Fluorene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Hexachlorobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Hexachloroethane	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Isophorone	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2-Methylnaphthalene	410	50		µg/L	1	11/10/2010 1:58:58 PM
2-Methylphenol	1500	500		µg/L	10	11/10/2010 6:25:49 PM
3+4-Methylphenol	3600	500		µg/L	10	11/10/2010 6:25:49 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/10/2010 1:58:58 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/10/2010 1:58:58 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Naphthalene	320	50		µg/L	1	11/10/2010 1:58:58 PM
2-Nitroaniline	ND	50		µg/L	1	11/10/2010 1:58:58 PM
3-Nitroaniline	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Nitroaniline	ND	100		µg/L	1	11/10/2010 1:58:58 PM
Nitrobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2-Nitrophenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
4-Nitrophenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Pentachlorophenol	ND	100		µg/L	1	11/10/2010 1:58:58 PM
Phenanthrene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Phenol	5700	500		µg/L	10	11/10/2010 6:25:49 PM
Pyrene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Pyridine	ND	50		µg/L	1	11/10/2010 1:58:58 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/10/2010 1:58:58 PM
Surr: 2,4,6-Tribromophenol	63.6	17.5-104		%REC	1	11/10/2010 1:58:58 PM
Surr: 2-Fluorobiphenyl	63.6	30.9-98.9		%REC	1	11/10/2010 1:58:58 PM
Surr: 2-Fluorophenol	47.6	12.4-90.1		%REC	1	11/10/2010 1:58:58 PM
Surr: 4-Terphenyl-d14	79.7	43.5-91.9		%REC	1	11/10/2010 1:58:58 PM

Qualifiers:

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

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:29:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	71.0	26.2-108		%REC	1	11/10/2010 1:58:58 PM
Surr: Phenol-d5	51.4	11.8-73.1		%REC	1	11/10/2010 1:58:58 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	4200	100		µg/L	100	11/5/2010 1:48:17 AM
Toluene	12000	500		µg/L	500	11/5/2010 1:20:55 AM
Ethylbenzene	1500	100		µg/L	100	11/5/2010 1:48:17 AM
Methyl tert-butyl ether (MTBE)	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2,4-Trimethylbenzene	1400	100		µg/L	100	11/5/2010 1:48:17 AM
1,3,5-Trimethylbenzene	440	100		µg/L	100	11/5/2010 1:48:17 AM
1,2-Dichloroethane (EDC)	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Naphthalene	490	200		µg/L	100	11/5/2010 1:48:17 AM
1-Methylnaphthalene	ND	400		µg/L	100	11/5/2010 1:48:17 AM
2-Methylnaphthalene	470	400		µg/L	100	11/5/2010 1:48:17 AM
Acetone	ND	1000		µg/L	100	11/5/2010 1:48:17 AM
Bromobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Bromodichloromethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Bromoform	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Bromomethane	ND	300		µg/L	100	11/5/2010 1:48:17 AM
2-Butanone	ND	1000		µg/L	100	11/5/2010 1:48:17 AM
Carbon disulfide	ND	1000		µg/L	100	11/5/2010 1:48:17 AM
Carbon Tetrachloride	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Chlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Chloroethane	ND	200		µg/L	100	11/5/2010 1:48:17 AM
Chloroform	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Chloromethane	ND	300		µg/L	100	11/5/2010 1:48:17 AM
2-Chlorotoluene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
4-Chlorotoluene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
cis-1,2-DCE	ND	100		µg/L	100	11/5/2010 1:48:17 AM
cis-1,3-Dichloropropene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	11/5/2010 1:48:17 AM
Dibromochloromethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Dibromomethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2-Dichlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,3-Dichlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,4-Dichlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Dichlorodifluoromethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1-Dichloroethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1-Dichloroethene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2-Dichloropropane	ND	100		µg/L	100	11/5/2010 1:48:17 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:29:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3-Dichloropropane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
2,2-Dichloropropane	ND	200		µg/L	100	11/5/2010 1:48:17 AM
1,1-Dichloropropene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Hexachlorobutadiene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
2-Hexanone	ND	1000		µg/L	100	11/5/2010 1:48:17 AM
Isopropylbenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
4-Isopropyltoluene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
4-Methyl-2-pentanone	ND	1000		µg/L	100	11/5/2010 1:48:17 AM
Methylene Chloride	ND	300		µg/L	100	11/5/2010 1:48:17 AM
n-Butylbenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
n-Propylbenzene	210	100		µg/L	100	11/5/2010 1:48:17 AM
sec-Butylbenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Styrene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
tert-Butylbenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	11/5/2010 1:48:17 AM
Tetrachloroethene (PCE)	ND	100		µg/L	100	11/5/2010 1:48:17 AM
trans-1,2-DCE	ND	100		µg/L	100	11/5/2010 1:48:17 AM
trans-1,3-Dichloropropene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1,1-Trichloroethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,1,2-Trichloroethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Trichloroethene (TCE)	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Trichlorofluoromethane	ND	100		µg/L	100	11/5/2010 1:48:17 AM
1,2,3-Trichloropropane	ND	200		µg/L	100	11/5/2010 1:48:17 AM
Vinyl chloride	ND	100		µg/L	100	11/5/2010 1:48:17 AM
Xylenes, Total	8400	150		µg/L	100	11/5/2010 1:48:17 AM
Surr: 1,2-Dichloroethane-d4	98.2	77.7-113		%REC	100	11/5/2010 1:48:17 AM
Surr: 4-Bromofluorobenzene	102	76.4-106		%REC	100	11/5/2010 1:48:17 AM
Surr: Dibromofluoromethane	104	91.6-125		%REC	100	11/5/2010 1:48:17 AM
Surr: Toluene-d8	98.1	92.3-107		%REC	100	11/5/2010 1:48:17 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL 2 to EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:43:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	98	1.0		mg/L	1	11/10/2010 1:08:10 PM
Motor Oil Range Organics (MRO)	14	5.0		mg/L	1	11/10/2010 1:08:10 PM
Surr: DNOP	120	86.9-151		%REC	1	11/10/2010 1:08:10 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.36	0.25		mg/L	5	11/6/2010 2:00:52 AM
Surr: BFB	116	84.5-118		%REC	5	11/6/2010 2:00:52 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	77	5.0		mg/L	50	11/4/2010 10:15:13 PM
Chloride	230	10		mg/L	20	11/4/2010 9:57:48 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/4/2010 9:57:48 PM
Nitrogen, Nitrate (As N)	4.0	2.0		mg/L	20	11/4/2010 9:57:48 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	11/4/2010 9:57:48 PM
Sulfate	880	25		mg/L	50	11/4/2010 10:15:13 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	0.00046	0.00020		mg/L	1	11/10/2010 12:43:22 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/17/2010 7:27:29 PM
Barium	0.035	0.020		mg/L	1	11/17/2010 7:27:29 PM
Cadmium	ND	0.0020		mg/L	1	11/17/2010 7:27:29 PM
Calcium	31	1.0		mg/L	1	11/17/2010 7:27:29 PM
Chromium	0.0066	0.0060		mg/L	1	11/17/2010 7:27:29 PM
Copper	ND	0.0060		mg/L	1	11/17/2010 7:27:29 PM
Iron	2.6	0.10		mg/L	5	11/17/2010 7:33:18 PM
Lead	ND	0.0050		mg/L	1	11/17/2010 7:27:29 PM
Magnesium	11	1.0		mg/L	1	11/17/2010 7:27:29 PM
Manganese	0.13	0.0020		mg/L	1	11/17/2010 7:27:29 PM
Potassium	36	1.0		mg/L	1	11/17/2010 7:27:29 PM
Selenium	ND	0.050		mg/L	1	11/17/2010 7:27:29 PM
Silver	ND	0.0050		mg/L	1	11/17/2010 7:27:29 PM
Sodium	630	10		mg/L	10	11/22/2010 9:34:04 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 1:00:06 PM
Barium	0.077	0.020		mg/L	1	11/9/2010 1:00:06 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 1:00:06 PM
Chromium	0.020	0.0060		mg/L	1	11/9/2010 1:00:06 PM
Copper	0.0086	0.0060		mg/L	1	11/9/2010 1:00:06 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL 2 to EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:43:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Iron	11	1.0		mg/L	20	11/9/2010 2:30:03 PM
Lead	ND	0.0050		mg/L	1	11/9/2010 1:00:06 PM
Manganese	0.14	0.0020		mg/L	1	11/9/2010 1:00:06 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 1:00:06 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 1:00:06 PM
Zinc	0.55	0.020		mg/L	1	11/9/2010 1:00:06 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Acenaphthylene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Aniline	160	50		µg/L	1	11/10/2010 2:28:54 PM
Anthracene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Azobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benz(a)anthracene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Benzoic acid	130	100		µg/L	1	11/10/2010 2:28:54 PM
Benzyl alcohol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Carbazole	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Chloroaniline	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Chlorophenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Chrysene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Dibenzofuran	ND	50		µg/L	1	11/10/2010 2:28:54 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/10/2010 2:28:54 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL 2 to EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:43:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Dimethyl phthalate	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/10/2010 2:28:54 PM
2,4-Dimethylphenol	310	50		µg/L	1	11/10/2010 2:28:54 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/10/2010 2:28:54 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/10/2010 2:28:54 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Fluoranthene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Fluorene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Hexachlorobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Hexachloroethane	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Isophorone	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Methylphenol	1700	500		µg/L	10	11/10/2010 6:55:11 PM
3+4-Methylphenol	4300	500		µg/L	10	11/10/2010 6:55:11 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/10/2010 2:28:54 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/10/2010 2:28:54 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Naphthalene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Nitroaniline	ND	50		µg/L	1	11/10/2010 2:28:54 PM
3-Nitroaniline	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Nitroaniline	ND	100		µg/L	1	11/10/2010 2:28:54 PM
Nitrobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2-Nitrophenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
4-Nitrophenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Pentachlorophenol	ND	100		µg/L	1	11/10/2010 2:28:54 PM
Phenanthrene	68	50		µg/L	1	11/10/2010 2:28:54 PM
Phenol	6300	500		µg/L	10	11/10/2010 6:55:11 PM
Pyrene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Pyridine	ND	50		µg/L	1	11/10/2010 2:28:54 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/10/2010 2:28:54 PM
Surr: 2,4,6-Tribromophenol	76.0	17.5-104		%REC	1	11/10/2010 2:28:54 PM
Surr: 2-Fluorobiphenyl	73.5	30.9-98.9		%REC	1	11/10/2010 2:28:54 PM
Surr: 2-Fluorophenol	56.8	12.4-90.1		%REC	1	11/10/2010 2:28:54 PM
Surr: 4-Terphenyl-d14	85.5	43.5-91.9		%REC	1	11/10/2010 2:28:54 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL 2 to EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:43:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	74.1	26.2-108		%REC	1	11/10/2010 2:28:54 PM
Surr: Phenol-d5	49.5	11.8-73.1		%REC	1	11/10/2010 2:28:54 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Toluene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Ethylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Naphthalene	ND	10		µg/L	5	11/5/2010 3:10:33 AM
1-Methylnaphthalene	24	20		µg/L	5	11/5/2010 3:10:33 AM
2-Methylnaphthalene	41	20		µg/L	5	11/5/2010 3:10:33 AM
Acetone	1800	200		µg/L	20	11/5/2010 2:43:06 AM
Bromobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Bromodichloromethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Bromoform	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Bromomethane	ND	15		µg/L	5	11/5/2010 3:10:33 AM
2-Butanone	140	50		µg/L	5	11/5/2010 3:10:33 AM
Carbon disulfide	ND	50		µg/L	5	11/5/2010 3:10:33 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Chlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Chloroethane	ND	10		µg/L	5	11/5/2010 3:10:33 AM
Chloroform	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Chloromethane	ND	15		µg/L	5	11/5/2010 3:10:33 AM
2-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
4-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
cis-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/5/2010 3:10:33 AM
Dibromochloromethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Dibromomethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL 2 to EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:43:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
2,2-Dichloropropane	ND	10		µg/L	5	11/5/2010 3:10:33 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
2-Hexanone	ND	50		µg/L	5	11/5/2010 3:10:33 AM
Isopropylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/5/2010 3:10:33 AM
Methylene Chloride	ND	15		µg/L	5	11/5/2010 3:10:33 AM
n-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
n-Propylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
sec-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Styrene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
tert-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/5/2010 3:10:33 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
trans-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/5/2010 3:10:33 AM
Vinyl chloride	ND	5.0		µg/L	5	11/5/2010 3:10:33 AM
Xylenes, Total	ND	7.5		µg/L	5	11/5/2010 3:10:33 AM
Surr: 1,2-Dichloroethane-d4	91.2	77.7-113		%REC	5	11/5/2010 3:10:33 AM
Surr: 4-Bromofluorobenzene	94.8	76.4-106		%REC	5	11/5/2010 3:10:33 AM
Surr: Dibromofluoromethane	99.9	91.6-125		%REC	5	11/5/2010 3:10:33 AM
Surr: Toluene-d8	96.4	92.3-107		%REC	5	11/5/2010 3:10:33 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:10:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	15	1.0		mg/L	1	11/10/2010 1:42:18 PM
Motor Oil Range Organics (MRO)	9.5	5.0		mg/L	1	11/10/2010 1:42:18 PM
Surr: DNOP	143	86.9-151		%REC	1	11/10/2010 1:42:18 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.065	0.050		mg/L	1	11/8/2010 2:35:35 PM
Surr: BFB	95.0	84.5-118		%REC	1	11/8/2010 2:35:35 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:48:52 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	11/17/2010 7:36:22 PM
Barium	ND	0.10		mg/L	5	11/17/2010 7:36:22 PM
Cadmium	ND	0.010		mg/L	5	11/17/2010 7:36:22 PM
Calcium	130	5.0		mg/L	5	11/17/2010 7:36:22 PM
Chromium	ND	0.030		mg/L	5	11/17/2010 7:36:22 PM
Copper	ND	0.030		mg/L	5	11/17/2010 7:36:22 PM
Iron	ND	0.10		mg/L	5	11/17/2010 7:36:22 PM
Lead	ND	0.025		mg/L	5	11/17/2010 7:36:22 PM
Magnesium	31	5.0		mg/L	5	11/17/2010 7:36:22 PM
Manganese	0.052	0.010		mg/L	5	11/17/2010 7:36:22 PM
Potassium	21	5.0		mg/L	5	11/17/2010 7:36:22 PM
Selenium	ND	0.25		mg/L	5	11/17/2010 7:36:22 PM
Silver	ND	0.025		mg/L	5	11/17/2010 7:36:22 PM
Sodium	250	5.0		mg/L	5	11/17/2010 7:36:22 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 1:04:19 PM
Barium	ND	0.020		mg/L	1	11/9/2010 1:04:19 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 1:04:19 PM
Chromium	ND	0.0060		mg/L	1	11/9/2010 1:04:19 PM
Copper	0.091	0.0060		mg/L	1	11/9/2010 1:04:19 PM
Iron	0.64	0.050		mg/L	1	11/9/2010 1:04:19 PM
Lead	ND	0.0050		mg/L	1	11/9/2010 1:04:19 PM
Manganese	0.055	0.0020		mg/L	1	11/9/2010 1:04:19 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 1:04:19 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 1:04:19 PM
Zinc	0.18	0.020		mg/L	1	11/9/2010 1:04:19 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:10:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Toluene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Ethylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Naphthalene	ND	10		µg/L	5	11/5/2010 4:05:23 AM
1-Methylnaphthalene	ND	20		µg/L	5	11/5/2010 4:05:23 AM
2-Methylnaphthalene	ND	20		µg/L	5	11/5/2010 4:05:23 AM
Acetone	98	50		µg/L	5	11/5/2010 4:05:23 AM
Bromobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Bromodichloromethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Bromoform	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Bromomethane	ND	15		µg/L	5	11/5/2010 4:05:23 AM
2-Butanone	ND	50		µg/L	5	11/5/2010 4:05:23 AM
Carbon disulfide	ND	50		µg/L	5	11/5/2010 4:05:23 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Chlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Chloroethane	ND	10		µg/L	5	11/5/2010 4:05:23 AM
Chloroform	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Chloromethane	ND	15		µg/L	5	11/5/2010 4:05:23 AM
2-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
4-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
cis-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/5/2010 4:05:23 AM
Dibromochloromethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Dibromomethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
2,2-Dichloropropane	ND	10		µg/L	5	11/5/2010 4:05:23 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Eff
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:10:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	50		µg/L	5	11/5/2010 4:05:23 AM
Isopropylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/5/2010 4:05:23 AM
Methylene Chloride	ND	15		µg/L	5	11/5/2010 4:05:23 AM
n-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
n-Propylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
sec-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Styrene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
tert-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/5/2010 4:05:23 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
trans-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/5/2010 4:05:23 AM
Vinyl chloride	ND	5.0		µg/L	5	11/5/2010 4:05:23 AM
Xylenes, Total	ND	7.5		µg/L	5	11/5/2010 4:05:23 AM
Surr: 1,2-Dichloroethane-d4	106	77.7-113		%REC	5	11/5/2010 4:05:23 AM
Surr: 4-Bromofluorobenzene	100	76.4-106		%REC	5	11/5/2010 4:05:23 AM
Surr: Dibromofluoromethane	105	91.6-125		%REC	5	11/5/2010 4:05:23 AM
Surr: Toluene-d8	101	92.3-107		%REC	5	11/5/2010 4:05:23 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:30:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	81	5.0		mg/L	5	11/11/2010 9:04:06 AM
Motor Oil Range Organics (MRO)	44	25		mg/L	5	11/11/2010 9:04:06 AM
Surr: DNOP	173	86.9-151	S	%REC	5	11/11/2010 9:04:06 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	8.0	0.25		mg/L	5	11/6/2010 2:58:43 AM
Surr: BFB	319	84.5-118	S	%REC	5	11/6/2010 2:58:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	95	5.0		mg/L	50	11/4/2010 10:50:02 PM
Chloride	250	10		mg/L	20	11/4/2010 10:32:37 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/4/2010 10:32:37 PM
Nitrogen, Nitrate (As N)	14	2.0		mg/L	20	11/4/2010 10:32:37 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	11/4/2010 10:32:37 PM
Sulfate	950	10		mg/L	20	11/4/2010 10:32:37 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Acenaphthylene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Aniline	580	50		µg/L	1	11/10/2010 2:58:36 PM
Anthracene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Azobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benz(a)anthracene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Benzoic acid	320	100		µg/L	1	11/10/2010 2:58:36 PM
Benzyl alcohol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Carbazole	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Chloroaniline	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2-Chlorophenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 2:58:36 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:30:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Chrysene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Dibenzofuran	ND	50		µg/L	1	11/10/2010 2:58:36 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Diethyl phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Dimethyl phthalate	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/10/2010 2:58:36 PM
2,4-Dimethylphenol	420	50		µg/L	1	11/10/2010 2:58:36 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/10/2010 2:58:36 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/10/2010 2:58:36 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Fluoranthene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Fluorene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Hexachlorobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Hexachloroethane	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Isophorone	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2-Methylnaphthalene	300	50		µg/L	1	11/10/2010 2:58:36 PM
2-Methylphenol	1500	500		µg/L	10	11/10/2010 7:24:26 PM
3+4-Methylphenol	3100	500		µg/L	10	11/10/2010 7:24:26 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/10/2010 2:58:36 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/10/2010 2:58:36 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Naphthalene	80	50		µg/L	1	11/10/2010 2:58:36 PM
2-Nitroaniline	ND	50		µg/L	1	11/10/2010 2:58:36 PM
3-Nitroaniline	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Nitroaniline	ND	100		µg/L	1	11/10/2010 2:58:36 PM
Nitrobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2-Nitrophenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
4-Nitrophenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Pentachlorophenol	ND	100		µg/L	1	11/10/2010 2:58:36 PM
Phenanthrene	170	50		µg/L	1	11/10/2010 2:58:36 PM
Phenol	5500	500		µg/L	10	11/10/2010 7:24:26 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011223
Project: 4th Qtr 2010
Lab ID: 1011223-04

Client Sample ID: Infl to AL-1
Collection Date: 11/3/2010 3:30:00 PM
Date Received: 11/4/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyrene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Pyridine	ND	50		µg/L	1	11/10/2010 2:58:36 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/10/2010 2:58:36 PM
Surr: 2,4,6-Tribromophenol	59.2	17.5-104		%REC	1	11/10/2010 2:58:36 PM
Surr: 2-Fluorobiphenyl	72.1	30.9-98.9		%REC	1	11/10/2010 2:58:36 PM
Surr: 2-Fluorophenol	68.1	12.4-90.1		%REC	1	11/10/2010 2:58:36 PM
Surr: 4-Terphenyl-d14	80.7	43.5-91.9		%REC	1	11/10/2010 2:58:36 PM
Surr: Nitrobenzene-d5	81.1	26.2-108		%REC	1	11/10/2010 2:58:36 PM
Surr: Phenol-d5	56.2	11.8-73.1		%REC	1	11/10/2010 2:58:36 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	11	5.0		µg/L	5	11/5/2010 5:00:10 AM
Toluene	56	5.0		µg/L	5	11/5/2010 5:00:10 AM
Ethylbenzene	19	5.0		µg/L	5	11/5/2010 5:00:10 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2,4-Trimethylbenzene	140	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,3,5-Trimethylbenzene	47	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Naphthalene	78	10		µg/L	5	11/5/2010 5:00:10 AM
1-Methylnaphthalene	150	20		µg/L	5	11/5/2010 5:00:10 AM
2-Methylnaphthalene	250	20		µg/L	5	11/5/2010 5:00:10 AM
Acetone	830	50		µg/L	5	11/5/2010 5:00:10 AM
Bromobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Bromodichloromethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Bromoform	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Bromomethane	ND	15		µg/L	5	11/5/2010 5:00:10 AM
2-Butanone	ND	50		µg/L	5	11/5/2010 5:00:10 AM
Carbon disulfide	ND	50		µg/L	5	11/5/2010 5:00:10 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Chlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Chloroethane	ND	10		µg/L	5	11/5/2010 5:00:10 AM
Chloroform	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Chloromethane	ND	15		µg/L	5	11/5/2010 5:00:10 AM
2-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
4-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
cis-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/5/2010 5:00:10 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
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- ND Not Detected at the Reporting Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:30:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Dibromochloromethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Dibromomethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
2,2-Dichloropropane	ND	10		µg/L	5	11/5/2010 5:00:10 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
2-Hexanone	ND	50		µg/L	5	11/5/2010 5:00:10 AM
Isopropylbenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/5/2010 5:00:10 AM
Methylene Chloride	ND	15		µg/L	5	11/5/2010 5:00:10 AM
n-Butylbenzene	29	5.0		µg/L	5	11/5/2010 5:00:10 AM
n-Propylbenzene	19	5.0		µg/L	5	11/5/2010 5:00:10 AM
sec-Butylbenzene	6.2	5.0		µg/L	5	11/5/2010 5:00:10 AM
Styrene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
tert-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/5/2010 5:00:10 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
trans-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/5/2010 5:00:10 AM
Vinyl chloride	ND	5.0		µg/L	5	11/5/2010 5:00:10 AM
Xylenes, Total	130	7.5		µg/L	5	11/5/2010 5:00:10 AM
Surr: 1,2-Dichloroethane-d4	95.2	77.7-113		%REC	5	11/5/2010 5:00:10 AM
Surr: 4-Bromofluorobenzene	109	76.4-106	S	%REC	5	11/5/2010 5:00:10 AM
Surr: Dibromofluoromethane	97.8	91.6-125		%REC	5	11/5/2010 5:00:10 AM
Surr: Toluene-d8	104	92.3-107		%REC	5	11/5/2010 5:00:10 AM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:30:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**

Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:45:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	70	1.0		mg/L	1	11/10/2010 3:24:39 PM
Motor Oil Range Organics (MRO)	9.3	5.0		mg/L	1	11/10/2010 3:24:39 PM
Surr: DNOP	127	86.9-151		%REC	1	11/10/2010 3:24:39 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.69	0.25		mg/L	5	11/6/2010 3:27:36 AM
Surr: BFB	128	84.5-118	S	%REC	5	11/6/2010 3:27:36 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	160	5.0		mg/L	50	11/4/2010 11:59:42 PM
Chloride	210	10		mg/L	20	11/4/2010 11:42:17 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/4/2010 11:42:17 PM
Nitrogen, Nitrate (As N)	5.7	2.0		mg/L	20	11/4/2010 11:42:17 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	11/4/2010 11:42:17 PM
Sulfate	990	10		mg/L	20	11/4/2010 11:42:17 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Acenaphthylene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Aniline	210	50		µg/L	1	11/10/2010 3:28:30 PM
Anthracene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Azobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benz(a)anthracene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Benzoic acid	140	100		µg/L	1	11/10/2010 3:28:30 PM
Benzyl alcohol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Carbazole	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Chloroaniline	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Chlorophenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 3:28:30 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:45:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Chrysene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Dibenzofuran	ND	50		µg/L	1	11/10/2010 3:28:30 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Diethyl phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Dimethyl phthalate	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/10/2010 3:28:30 PM
2,4-Dimethylphenol	300	50		µg/L	1	11/10/2010 3:28:30 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/10/2010 3:28:30 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/10/2010 3:28:30 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Fluoranthene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Fluorene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Hexachlorobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Hexachloroethane	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Isophorone	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Methylphenol	1700	500		µg/L	10	11/10/2010 7:53:47 PM
3+4-Methylphenol	3800	500		µg/L	10	11/10/2010 7:53:47 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/10/2010 3:28:30 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/10/2010 3:28:30 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Naphthalene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Nitroaniline	ND	50		µg/L	1	11/10/2010 3:28:30 PM
3-Nitroaniline	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Nitroaniline	ND	100		µg/L	1	11/10/2010 3:28:30 PM
Nitrobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2-Nitrophenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
4-Nitrophenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Pentachlorophenol	ND	100		µg/L	1	11/10/2010 3:28:30 PM
Phenanthrene	53	50		µg/L	1	11/10/2010 3:28:30 PM
Phenol	6100	500		µg/L	10	11/10/2010 7:53:47 PM

Qualifiers:

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:45:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyrene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Pyridine	ND	50		µg/L	1	11/10/2010 3:28:30 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/10/2010 3:28:30 PM
Surr: 2,4,6-Tribromophenol	73.6	17.5-104		%REC	1	11/10/2010 3:28:30 PM
Surr: 2-Fluorobiphenyl	73.3	30.9-98.9		%REC	1	11/10/2010 3:28:30 PM
Surr: 2-Fluorophenol	64.9	12.4-90.1		%REC	1	11/10/2010 3:28:30 PM
Surr: 4-Terphenyl-d14	82.1	43.5-91.9		%REC	1	11/10/2010 3:28:30 PM
Surr: Nitrobenzene-d5	87.1	26.2-108		%REC	1	11/10/2010 3:28:30 PM
Surr: Phenol-d5	48.1	11.8-73.1		%REC	1	11/10/2010 3:28:30 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Toluene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Ethylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2,4-Trimethylbenzene	6.0	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Naphthalene	ND	10		µg/L	5	11/5/2010 6:22:15 AM
1-Methylnaphthalene	26	20		µg/L	5	11/5/2010 6:22:15 AM
2-Methylnaphthalene	41	20		µg/L	5	11/5/2010 6:22:15 AM
Acetone	1700	500		µg/L	50	11/5/2010 5:54:53 AM
Bromobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Bromodichloromethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Bromoform	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Bromomethane	ND	15		µg/L	5	11/5/2010 6:22:15 AM
2-Butanone	ND	50		µg/L	5	11/5/2010 6:22:15 AM
Carbon disulfide	ND	50		µg/L	5	11/5/2010 6:22:15 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Chlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Chloroethane	ND	10		µg/L	5	11/5/2010 6:22:15 AM
Chloroform	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Chloromethane	ND	15		µg/L	5	11/5/2010 6:22:15 AM
2-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
4-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
cis-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/5/2010 6:22:15 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:45:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Dibromochloromethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Dibromomethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
2,2-Dichloropropane	ND	10		µg/L	5	11/5/2010 6:22:15 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
2-Hexanone	ND	50		µg/L	5	11/5/2010 6:22:15 AM
Isopropylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/5/2010 6:22:15 AM
Methylene Chloride	ND	15		µg/L	5	11/5/2010 6:22:15 AM
n-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
n-Propylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
sec-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Styrene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
tert-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/5/2010 6:22:15 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
trans-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/5/2010 6:22:15 AM
Vinyl chloride	ND	5.0		µg/L	5	11/5/2010 6:22:15 AM
Xylenes, Total	ND	7.5		µg/L	5	11/5/2010 6:22:15 AM
Surr: 1,2-Dichloroethane-d4	96.5	77.7-113		%REC	5	11/5/2010 6:22:15 AM
Surr: 4-Bromofluorobenzene	90.0	76.4-106		%REC	5	11/5/2010 6:22:15 AM
Surr: Dibromofluoromethane	99.1	91.6-125		%REC	5	11/5/2010 6:22:15 AM
Surr: Toluene-d8	100	92.3-107		%REC	5	11/5/2010 6:22:15 AM

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

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl to AL-2
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:45:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 4:05:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	45	1.0		mg/L	1	11/10/2010 3:58:47 PM
Motor Oil Range Organics (MRO)	7.0	5.0		mg/L	1	11/10/2010 3:58:47 PM
Surr: DNOP	123	86.9-151		%REC	1	11/10/2010 3:58:47 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.34	0.25		mg/L	5	11/6/2010 3:56:31 AM
Surr: BFB	116	84.5-118		%REC	5	11/6/2010 3:56:31 AM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	100	5.0		mg/L	50	11/5/2010 12:34:32 AM
Chloride	220	10		mg/L	20	11/5/2010 12:17:07 AM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/5/2010 12:17:07 AM
Nitrogen, Nitrate (As N)	6.1	2.0		mg/L	20	11/5/2010 12:17:07 AM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	11/5/2010 12:17:07 AM
Sulfate	940	25		mg/L	50	11/5/2010 12:34:32 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Calcium	40	1.0		mg/L	1	11/9/2010 1:21:41 PM
Magnesium	12	1.0		mg/L	1	11/9/2010 1:21:41 PM
Potassium	40	1.0		mg/L	1	11/9/2010 1:21:41 PM
Sodium	660	10		mg/L	10	11/9/2010 3:33:44 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Acenaphthylene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Aniline	250	50		µg/L	1	11/10/2010 3:58:13 PM
Anthracene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Azobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benz(a)anthracene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Benzoic acid	140	100		µg/L	1	11/10/2010 3:58:13 PM
Benzyl alcohol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 4:05:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Carbazole	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Chloroaniline	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Chlorophenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Chrysene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Dibenzofuran	ND	50		µg/L	1	11/10/2010 3:58:13 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Diethyl phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Dimethyl phthalate	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/10/2010 3:58:13 PM
2,4-Dimethylphenol	370	50		µg/L	1	11/10/2010 3:58:13 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/10/2010 3:58:13 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/10/2010 3:58:13 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Fluoranthene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Fluorene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Hexachlorobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Hexachloroethane	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Isophorone	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Methylphenol	1600	500		µg/L	10	11/10/2010 8:23:03 PM
3+4-Methylphenol	3700	500		µg/L	10	11/10/2010 8:23:03 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/10/2010 3:58:13 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/10/2010 3:58:13 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Naphthalene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Nitroaniline	ND	50		µg/L	1	11/10/2010 3:58:13 PM
3-Nitroaniline	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Nitroaniline	ND	100		µg/L	1	11/10/2010 3:58:13 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 4:05:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Nitrobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2-Nitrophenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
4-Nitrophenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Pentachlorophenol	ND	100		µg/L	1	11/10/2010 3:58:13 PM
Phenanthrene	60	50		µg/L	1	11/10/2010 3:58:13 PM
Phenol	5900	500		µg/L	10	11/10/2010 8:23:03 PM
Pyrene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Pyridine	ND	50		µg/L	1	11/10/2010 3:58:13 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/10/2010 3:58:13 PM
Surr: 2,4,6-Tribromophenol	68.4	17.5-104		%REC	1	11/10/2010 3:58:13 PM
Surr: 2-Fluorobiphenyl	71.8	30.9-98.9		%REC	1	11/10/2010 3:58:13 PM
Surr: 2-Fluorophenol	58.3	12.4-90.1		%REC	1	11/10/2010 3:58:13 PM
Surr: 4-Terphenyl-d14	76.3	43.5-91.9		%REC	1	11/10/2010 3:58:13 PM
Surr: Nitrobenzene-d5	81.5	26.2-108		%REC	1	11/10/2010 3:58:13 PM
Surr: Phenol-d5	47.3	11.8-73.1		%REC	1	11/10/2010 3:58:13 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Toluene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Ethylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Naphthalene	ND	10		µg/L	5	11/5/2010 7:44:31 AM
1-Methylnaphthalene	ND	20		µg/L	5	11/5/2010 7:44:31 AM
2-Methylnaphthalene	21	20		µg/L	5	11/5/2010 7:44:31 AM
Acetone	1500	200		µg/L	20	11/5/2010 7:17:07 AM
Bromobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Bromodichloromethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Bromoform	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Bromomethane	ND	15		µg/L	5	11/5/2010 7:44:31 AM
2-Butanone	130	50		µg/L	5	11/5/2010 7:44:31 AM
Carbon disulfide	ND	50		µg/L	5	11/5/2010 7:44:31 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Chlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Chloroethane	ND	10		µg/L	5	11/5/2010 7:44:31 AM
Chloroform	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM

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Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 4:05:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Chloromethane	ND	15		µg/L	5	11/5/2010 7:44:31 AM
2-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
4-Chlorotoluene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
cis-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	11/5/2010 7:44:31 AM
Dibromochloromethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Dibromomethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
2,2-Dichloropropane	ND	10		µg/L	5	11/5/2010 7:44:31 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
2-Hexanone	ND	50		µg/L	5	11/5/2010 7:44:31 AM
Isopropylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	11/5/2010 7:44:31 AM
Methylene Chloride	ND	15		µg/L	5	11/5/2010 7:44:31 AM
n-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
n-Propylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
sec-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Styrene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
tert-Butylbenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	11/5/2010 7:44:31 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
trans-1,2-DCE	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	11/5/2010 7:44:31 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Infl To EP-1
Lab Order:	1011223	**Collection Date:**	11/3/2010 4:05:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Vinyl chloride	ND	5.0		µg/L	5	11/5/2010 7:44:31 AM
Xylenes, Total	ND	7.5		µg/L	5	11/5/2010 7:44:31 AM
Surr: 1,2-Dichloroethane-d4	98.5	77.7-113		%REC	5	11/5/2010 7:44:31 AM
Surr: 4-Bromofluorobenzene	100	76.4-106		%REC	5	11/5/2010 7:44:31 AM
Surr: Dibromofluoromethane	99.5	91.6-125		%REC	5	11/5/2010 7:44:31 AM
Surr: Toluene-d8	99.6	92.3-107		%REC	5	11/5/2010 7:44:31 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	4000	0.010		µmhos/cm	1	11/11/2010 10:17:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.54	0.100		pH units	1	11/11/2010 10:17:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:00:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Toluene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Ethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Naphthalene	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2010 8:02:26 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2010 8:02:26 PM
Acetone	ND	10		µg/L	1	11/10/2010 8:02:26 PM
Bromobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Bromoform	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Bromomethane	ND	3.0		µg/L	1	11/10/2010 8:02:26 PM
2-Butanone	ND	10		µg/L	1	11/10/2010 8:02:26 PM
Carbon disulfide	ND	10		µg/L	1	11/10/2010 8:02:26 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Chlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Chloroethane	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
Chloroform	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Chloromethane	ND	3.0		µg/L	1	11/10/2010 8:02:26 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Dibromomethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011223	**Collection Date:**	11/3/2010 10:00:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	11/10/2010 8:02:26 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/10/2010 8:02:26 PM
Methylene Chloride	ND	3.0		µg/L	1	11/10/2010 8:02:26 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Styrene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/10/2010 8:02:26 PM
Vinyl chloride	ND	1.0		µg/L	1	11/10/2010 8:02:26 PM
Xylenes, Total	ND	1.5		µg/L	1	11/10/2010 8:02:26 PM
Surr: 1,2-Dichloroethane-d4	95.9	77.7-113		%REC	1	11/10/2010 8:02:26 PM
Surr: 4-Bromofluorobenzene	97.8	76.4-106		%REC	1	11/10/2010 8:02:26 PM
Surr: Dibromofluoromethane	94.0	91.6-125		%REC	1	11/10/2010 8:02:26 PM
Surr: Toluene-d8	101	92.3-107		%REC	1	11/10/2010 8:02:26 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:00:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Toluene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Ethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Naphthalene	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2010 8:30:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/10/2010 8:30:47 PM
Acetone	ND	10		µg/L	1	11/10/2010 8:30:47 PM
Bromobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Bromoform	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Bromomethane	ND	3.0		µg/L	1	11/10/2010 8:30:47 PM
2-Butanone	ND	10		µg/L	1	11/10/2010 8:30:47 PM
Carbon disulfide	ND	10		µg/L	1	11/10/2010 8:30:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Chlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Chloroethane	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
Chloroform	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Chloromethane	ND	3.0		µg/L	1	11/10/2010 8:30:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Dibromomethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011223	**Collection Date:**	11/3/2010 3:00:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/4/2010
Lab ID:	1011223-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	11/10/2010 8:30:47 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/10/2010 8:30:47 PM
Methylene Chloride	ND	3.0		µg/L	1	11/10/2010 8:30:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Styrene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/10/2010 8:30:47 PM
Vinyl chloride	ND	1.0		µg/L	1	11/10/2010 8:30:47 PM
Xylenes, Total	ND	1.5		µg/L	1	11/10/2010 8:30:47 PM
Surr: 1,2-Dichloroethane-d4	97.9	77.7-113		%REC	1	11/10/2010 8:30:47 PM
Surr: 4-Bromofluorobenzene	97.9	76.4-106		%REC	1	11/10/2010 8:30:47 PM
Surr: Dibromofluoromethane	95.6	91.6-125		%REC	1	11/10/2010 8:30:47 PM
Surr: Toluene-d8	98.5	92.3-107		%REC	1	11/10/2010 8:30:47 PM

Qualifiers:

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

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-001**

Description: **1011223-03G/Pilot Eff** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1510**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	1	11/09/2010 1552	ARW	11/08/2010 1007	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		**SM 5220D**	**900**		**10**	**mg/L**	**1**

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-002**

Description: **1011223-03H/Pilot Eff** *Matrix:* **Aqueous**

D[redacted]ampled: **11/03/2010 1510**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1		SAS	11/05/2010 1251	6010

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**270**		**2.0**	**mg/L**	1

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

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

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

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-003**

Description: **1011223-04C/Infl to AL-1** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1530**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	2	11/09/2010 1552	ARW	11/08/2010 1007	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		SM 5220D	1100		20	mg/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-004**

Description: **1011223-04D/Infl to AL-1** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1530**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1		SAS	11/05/2010 1251	6010

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**530**		**2.0**	**mg/L**	**1**

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

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

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

Shealy Environmental Services, Inc.
1089 Village Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-005**

Description: **1011223-05C/Infl to AL-2** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1545**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	2	11/09/2010 1552	ARW	11/08/2010 1007	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		SM 5220D	1700		20	mg/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-006**

Description: **1011223-05D/Infl to AL-2** Matrix: **Aqueous**

[redacted] Sampled: **11/03/2010 1545**

[redacted] Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1		SAS	11/05/2010 1251	6010

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**920**		**2.0**	**mg/L**	**1**

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

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1[redacted]ntage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-007**

Description: **1011223-06D/Infl to EP-1** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1605**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	2	11/09/2010 1552	ARW	11/08/2010 1007	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
COD		**SM 5220D**	**1700**		**20**	**mg/L**	**1**

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

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

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

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK05001-008**

Description: **1011223-06E/Infl to EP-1** Matrix: **Aqueous**

Date Sampled: **11/03/2010 1605**

Date Received: **11/05/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1		SAS	11/05/2010 1251	6010

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**840**		**2.0**	**mg/L**	**1**

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

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

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

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LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011223
Lab ID: B10111137-001
Client Sample ID 1011223-01C & 01E Napis Eff

Report Date: 11/29/10
Collection Date: 11/03/10 10:29
DateReceived: 11/11/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	11/12/10 20:31 / tao
METALS, TOTAL							
Uranium	0.005	mg/L		0.001		SW6020	11/15/10 19:25 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011223
Lab ID: B10111137-002
Client Sample ID 1011223-02C & -02E AL 2 to EP-1

Report Date: 11/29/10
Collection Date: 11/03/10 10:43
DateReceived: 11/11/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	11/12/10 20:47 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/15/10 19:14 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011223
Lab ID: B10111137-003
Client Sample ID 1011223-03C & -03E Pilot Eff

Report Date: 11/29/10
Collection Date: 11/03/10 15:10
DateReceived: 11/11/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/18/10 08:55 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/18/10 09:09 / tao

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

QA/QC Summary Report

Client: Hall Environmental
Project: 1011223

Report Date: 11/29/10
Work Order: B10111137

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_101112A	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard								11/12/10 11:53
Uranium		0.0185	mg/L	0.00030	93	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								11/12/10 12:02
Uranium		0.000173	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 1		Interference Check Sample AB								11/12/10 12:06
Uranium		9.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R157176
Sample ID: B10111137-001AMS		Sample Matrix Spike				Run: ICPMS202-B_101112A				11/12/10 20:35
Uranium		0.260	mg/L	0.0010	103	75	125			
Sample ID: B10111137-001AMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101112A				11/12/10 20:39
Uranium		0.263	mg/L	0.0010	105	75	125	1.3	20	
Sample ID: B10111137-002ADIL		Serial Dilution				Run: ICPMS202-B_101112A				11/12/10 20:51
Uranium		0.00152	mg/L	0.0010		0	0			N
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_101112A				11/12/10 11:57
Uranium		0.0502	mg/L	0.00030	100	85	115			
Sample ID: LRB		Method Blank				Run: ICPMS202-B_101112A				11/12/10 12:26
Uranium		ND	mg/L	2E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011223

Report Date: 11/29/10
Work Order: B10111137

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_101115A	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard							11/15/10 10:57	
Uranium		0.0193	mg/L	0.00030	96	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							11/15/10 11:15	
Uranium		6.50E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 1		Interference Check Sample AB							11/15/10 11:33	
Uranium		1.10E-05	mg/L	0.00030		0	0			
Method: SW6020									Batch: 50479	
Sample ID: MB-50479		Method Blank				Run: ICPMS202-B_101115A			11/15/10 19:09	
Uranium		ND	mg/L	2E-05						
Sample ID: LCS-50479		Laboratory Control Sample				Run: ICPMS202-B_101115A			11/15/10 19:21	
Uranium		0.450	mg/L	0.0010	90	85	115			
Sample ID: B10111137-001BDIL		Serial Dilution				Run: ICPMS202-B_101115A			11/15/10 19:29	
Uranium		0.00100	mg/L	0.0010		0	0		10	N
Sample ID: B10111137-001BMS3		Sample Matrix Spike				Run: ICPMS202-B_101115A			11/15/10 19:37	
Uranium		2.20	mg/L	0.0010	88	75	125			
Sample ID: B10111137-001BMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101115A			11/15/10 19:41	
Uranium		2.28	mg/L	0.0010	91	75	125	3.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011223

Report Date: 11/29/10
Work Order: B10111137

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_101117A	
Sample ID: QCS-100607A,100726		Initial Calibration Verification Standard								11/17/10 23:20
Uranium		0.0180	mg/L	0.00030	90	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								11/17/10 23:35
Uranium		3.00E-06	mg/L	0.00030						
Sample ID: ICSAB-ME091229B,09		Interference Check Sample AB								11/17/10 23:39
Uranium		3.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: 50479
Sample ID: MB-50479		Method Blank				Run: ICPMS203-B_101117A				11/18/10 09:04
Uranium		ND	mg/L	4E-06						
Method: SW6020										Batch: R157377
Sample ID: B10111275-001BMS		Sample Matrix Spike				Run: ICPMS203-B_101117A				11/18/10 19:55
Uranium		0.0964	mg/L	0.0010	96	70	130			
Sample ID: B10111275-001BMSD		Sample Matrix Spike Duplicate				Run: ICPMS203-B_101117A				11/18/10 19:59
Uranium		0.0927	mg/L	0.0010	93	70	130	3.9	20	
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS203-B_101117A				11/17/10 23:25
Uranium		0.0458	mg/L	0.00030	92	85	115			
Sample ID: LRB		Method Blank				Run: ICPMS203-B_101117A				11/18/10 00:03
Uranium		ND	mg/L	2E-06						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41986**	Analysis Date:	11/4/2010 1:50:19 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41986**	Analysis Date:	11/5/2010 6:40:08 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42060**	Analysis Date:	11/9/2010 9:32:58 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42098**	Analysis Date:	11/11/2010 12:33:52 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42152**	Analysis Date:	11/15/2010 1:28:51 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R41986**	Analysis Date:	11/4/2010 2:07:43 PM		
Fluoride	0.5183	mg/L	0.10	0.5	0	104	90	110			
Chloride	5.122	mg/L	0.50	5	0	102	90	110			
Nitrogen, Nitrite (As N)	1.044	mg/L	0.10	1	0	104	90	110			
Nitrogen, Nitrate (As N)	2.618	mg/L	0.10	2.5	0	105	90	110			
Phosphorus, Orthophosphate (As P)	4.956	mg/L	0.50	5	0	99.1	90	110			
Sulfate	10.12	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS-B		*LCS*				Batch ID:	**R41986**	Analysis Date:	11/5/2010 10:43:57 AM		
Fluoride	0.5239	mg/L	0.10	0.5	0	105	90	110			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS-B		*LCS*				Batch ID:	**R41986**	Analysis Date:	11/5/2010 10:43:57 AM		
Chloride	5.237	mg/L	0.50	5	0	105	90	110			
Nitrogen, Nitrite (As N)	1.071	mg/L	0.10	1	0	107	90	110			
Nitrogen, Nitrate (As N)	2.671	mg/L	0.10	2.5	0	107	90	110			
Phosphorus, Orthophosphate (As P)	5.079	mg/L	0.50	5	0	102	90	110			
Sulfate	10.43	mg/L	0.50	10	0	104	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42060**	Analysis Date:	11/9/2010 9:50:23 AM		
Fluoride	0.5235	mg/L	0.10	0.5	0	105	90	110			
Chloride	5.048	mg/L	0.50	5	0	101	90	110			
Nitrogen, Nitrite (As N)	1.029	mg/L	0.10	1	0	103	90	110			
Nitrogen, Nitrate (As N)	2.594	mg/L	0.10	2.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.176	mg/L	0.50	5	0	104	90	110			
Sulfate	10.22	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42098**	Analysis Date:	11/11/2010 12:51:17 PM		
Fluoride	0.4987	mg/L	0.10	0.5	0	99.7	90	110			
Chloride	5.004	mg/L	0.50	5	0	100	90	110			
Nitrogen, Nitrite (As N)	1.069	mg/L	0.10	1	0	107	90	110			
Nitrogen, Nitrate (As N)	2.542	mg/L	0.10	2.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.086	mg/L	0.50	5	0	102	90	110			
Sulfate	10.23	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS-b		*LCS*				Batch ID:	**R42152**	Analysis Date:	11/15/2010 4:57:46 PM		
Fluoride	0.5493	mg/L	0.10	0.5	0	110	90	110			
Chloride	5.125	mg/L	0.50	5	0	103	90	110			
Nitrogen, Nitrate (As N)	2.635	mg/L	0.10	2.5	0	105	90	110			
Phosphorus, Orthophosphate (As P)	5.101	mg/L	0.50	5	0	102	90	110			
Sulfate	10.43	mg/L	0.50	10	0	104	90	110			
Sample ID: LCSD		*LCSD*				Batch ID:	**R41986**	Analysis Date:	11/4/2010 4:44:24 PM		
Fluoride	0.5147	mg/L	0.10	0.5	0	103	90	110			
Chloride	5.111	mg/L	0.50	5	0	102	90	110			
Nitrogen, Nitrite (As N)	1.044	mg/L	0.10	1	0	104	90	110			
Nitrogen, Nitrate (As N)	2.601	mg/L	0.10	2.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.021	mg/L	0.50	5	0	100	90	110			
Sulfate	10.23	mg/L	0.50	10	0	102	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24409		*MBLK*				Batch ID:	**24409**	Analysis Date:	11/10/2010 9:09:16 AM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24409		*LCS*				Batch ID:	**24409**	Analysis Date:	11/10/2010 9:43:41 AM		
Diesel Range Organics (DRO)	5.731	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-24409		*LCSD*				Batch ID:	**24409**	Analysis Date:	11/10/2010 10:17:33 AM		
Diesel Range Organics (DRO)	6.331	mg/L	1.0	5	0	127	74	157	9.94	23	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID: **R41995**		Analysis Date:	11/5/2010 8:27:09 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID: **R41995**		Analysis Date:	11/6/2010 12:05:10 AM		
Gasoline Range Organics (GRO)	0.5088	mg/L	0.050	0.5	0	102	83.7	124			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R41971**		Analysis Date: 11/4/2010 10:14:30 AM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
C[redacted] Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID: R41971**		**Analysis Date: 11/4/2010 10:14:30 AM**		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*					**Batch ID: R42080**		**Analysis Date: 11/10/2010 10:05:05 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

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

Batch ID: **R42080** Analysis Date: 11/10/2010 10:05:05 AM

Batch ID: **R41971** Analysis Date: 11/4/2010 11:09:36 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41971**	Analysis Date:	11/4/2010 11:09:36 AM		
Benzene	18.87	µg/L	1.0	20	0	94.4	84.6	109			
Toluene	21.61	µg/L	1.0	20	0	108	81	114			
Chlorobenzene	21.01	µg/L	1.0	20	0	105	85.2	113			
1,1-Dichloroethene	20.98	µg/L	1.0	20	0	105	79.6	124			
Trichloroethene (TCE)	16.83	µg/L	1.0	20	0	84.2	78.3	102			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42080**	Analysis Date:	11/10/2010 11:02:01 AM		
Benzene	19.23	µg/L	1.0	20	0	96.2	84.6	109			
Toluene	19.70	µg/L	1.0	20	0	98.5	81	114			
Chlorobenzene	19.31	µg/L	1.0	20	0	96.5	85.2	113			
1,1-Dichloroethene	20.47	µg/L	1.0	20	0	102	79.6	124			
Trichloroethene (TCE)	17.28	µg/L	1.0	20	0	86.4	78.3	102			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24419		*MBLK*					**Batch ID: 24419**		**Analysis Date: 11/10/2010 10:01:04 AM**		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Ca[redacted]le	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	5.0								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	5.0								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	5.0								
2,4-Dinitrotoluene	ND	µg/L	5.0								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	5.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24419		*MBLK*				Batch ID:	**24419**	Analysis Date:	11/10/2010 10:01:04 AM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	5.0								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-24419		*LCS*				Batch ID:	**24419**	Analysis Date:	11/10/2010 10:30:41 AM		
Acenaphthene	83.36	µg/L	10	100	0	83.4	31	99.4			
4-Chloro-3-methylphenol	96.38	µg/L	10	100	0	96.4	34.3	111			
2-Chlorophenol	89.28	µg/L	10	100	0	89.3	24.1	98.7			
1,4-Dichlorobenzene	60.14	µg/L	10	100	0	60.1	20.6	85.6			
2,4-Dinitrotoluene	93.84	µg/L	10	100	0	93.8	26.6	126			
N-Nitrosodi-n-propylamine	88.92	µg/L	10	100	0	88.9	29.2	94.4			
4-Nitrophenol	57.20	µg/L	10	100	0	57.2	9.87	86			
Pentachlorophenol	86.02	µg/L	20	100	0	86.0	20	97.8			
Phenol	57.60	µg/L	10	100	0	57.6	17.5	60.5			
Pyrene	97.58	µg/L	10	100	0	97.6	46.8	92.2			S
1,2,4-Trichlorobenzene	79.22	µg/L	10	100	0	79.2	25.2	92.3			
Sample ID: lcsd-24419		*LCSD*				Batch ID:	**24419**	Analysis Date:	11/10/2010 11:00:22 AM		
Acenaphthene	84.14	µg/L	10	100	0	84.1	31	99.4	0.931	30	
4-Chloro-3-methylphenol	95.06	µg/L	10	100	0	95.1	34.3	111	1.38	30.8	
2-Chlorophenol	96.30	µg/L	10	100	0	96.3	24.1	98.7	7.57	31	
1,4-Dichlorobenzene	61.40	µg/L	10	100	0	61.4	20.6	85.6	2.07	37	
2,4-Dinitrotoluene	93.00	µg/L	10	100	0	93.0	26.6	126	0.899	34.5	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-24419		*LCSD*				Batch ID:	**24419**	Analysis Date:		11/10/2010 11:00:22 AM	
N-Nitrosodi-n-propylamine	92.20	µg/L	10	100	0	92.2	29.2	94.4	3.62	30.8	
4-Nitrophenol	52.66	µg/L	10	100	0	52.7	9.87	86	8.27	61.1	
Pentachlorophenol	81.32	µg/L	20	100	0	81.3	20	97.8	5.62	64.8	
Phenol	60.22	µg/L	10	100	0	60.2	17.5	60.5	4.45	31.4	
Pyrene	97.92	µg/L	10	100	0	97.9	46.8	92.2	0.348	29.8	S
1,2,4-Trichlorobenzene	76.08	µg/L	10	100	0	76.1	25.2	92.3	4.04	30.9	
Method: EPA Method 7470: Mercury											
Sample ID: MB-24457		*MBLK*				Batch ID:	**24457**	Analysis Date:		11/10/2010 12:27:25 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24457		*LCS*				Batch ID:	**24457**	Analysis Date:		11/10/2010 12:29:10 PM	
Mercury	0.005033	mg/L	0.00020	0.005	0	101	80	120			
Sample ID: LCS-24457		*LCS*				Batch ID:	**24457**	Analysis Date:		11/11/2010 9:25:21 AM	
Mercury	0.004998	mg/L	0.00020	0.005	0	100	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R42210**	Analysis Date:	11/17/2010 5:58:09 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID:	**R42210**	Analysis Date:	11/17/2010 6:01:15 PM		
Arsenic	0.5089	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4912	mg/L	0.020	0.5	0	98.2	80	120			
Cadmium	0.5086	mg/L	0.0020	0.5	0	102	80	120			
Calcium	50.93	mg/L	1.0	50.5	0	101	80	120			
Chromium	0.5014	mg/L	0.0060	0.5	0	100	80	120			
Copper	0.5333	mg/L	0.0060	0.5	0	107	80	120			
Iron	0.4816	mg/L	0.020	0.5	0	96.3	80	120			
Lead	0.4936	mg/L	0.0050	0.5	0	98.7	80	120			
Magnesium	51.90	mg/L	1.0	50.5	0	103	80	120			
Manganese	0.4908	mg/L	0.0020	0.5	0	98.2	80	120			
Potassium	55.12	mg/L	1.0	55	0	100	80	120			
Selenium	0.5045	mg/L	0.050	0.5	0	101	80	120			
Silver	0.5163	mg/L	0.0050	0.5	0	103	80	120			
Sodium	51.21	mg/L	1.0	50.5	0	101	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011223

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-24431		*MBLK*				Batch ID:	24431	Analysis Date:	11/9/2010 11:16:06 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-24431		*LCS*				Batch ID:	24431	Analysis Date:	11/9/2010 11:19:20 AM		
Arsenic	0.5346	mg/L	0.020	0.5	0	107	80	120			
Barium	0.4941	mg/L	0.020	0.5	0	98.8	80	120			
Cadmium	0.5132	mg/L	0.0020	0.5	0	103	80	120			
Calcium	51.48	mg/L	1.0	50	0	103	80	120			
Chromium	0.5051	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5361	mg/L	0.0060	0.5	0	107	80	120			
Iron	0.5126	mg/L	0.050	0.5	0	103	80	120			
Lead	0.5035	mg/L	0.0050	0.5	0	101	80	120			
Magnesium	52.09	mg/L	1.0	50	0	104	80	120			
Manganese	0.4922	mg/L	0.0020	0.5	0.0001	98.4	80	120			
Potassium	54.75	mg/L	1.0	50	0	110	80	120			
Selenium	0.5117	mg/L	0.050	0.5	0	102	80	120			
Silver	0.5110	mg/L	0.0050	0.5	0	102	80	120			
Sodium	54.83	mg/L	1.0	50	0.0359	110	80	120			
Zinc	0.5053	mg/L	0.020	0.5	0	101	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 11/4/2010

Work Order Number 1011223 | Received by: LNM

Checklist completed by: Signature 11/3/10 Date | Sample ID labels checked by: Initials LNM/AM

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	-1.1°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 22

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: - ADDED 1ML OF HNO_3 TO 11223-02B AND 02C TO GET TO ACCEPTABLE PH LEVEL FOR PROPER ANALYSIS - LM 11/4/10 - FOR 11223-04C AND 05C - POURED OFF INTO A 125ML PLASTIC FOR BACK UP NO_3. - LM 11/4/10 - DID NOT RECIEVE TRIP BLANK - LM 11/4/10

Corrective Action poured off & preserved TAL to EP-1 for actions in lab AT 11/05/10

Chain-of-Custody Record

Client: Western Refining
Rt 3 Box 7
Mailing Address: Gallup NM

Phone #: 505 722 3833
email or Fax#: 505 722 0210

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: 4th QTR 2010

Project #: Eff + Infl

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☑ Yes ☐ No

Sample Temperature: 1.1

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

Filtered

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1012238	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 Genchem	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) +MTBE	8270 (Semi-VOA) phenols	WQCC Metals Total	WQCC Metals DISS	Cations	BOD/COD	Air Bubbles (Y or N)
11/3/10	1029	H2O	Navis Eff			1			X					X		X	X	X	X	X		
	1043	"	AL2 to EP-1			2			X					X		X	X	X	X	X		
	1510		Pilot Eff *			3			X							X		X	X		X	
	1530		Infl to AL-1			4			X					X		X	X				X	
	1545		Infl to AL-2			5			X					X		X	X				X	
	1605		Infl to EP-1			6			X				X			X	X				X	
						7										X						
	1000		Field Blank			8										X						
	1500		Field Blank			9										X						
			Trip Blank			10										X						
	1630																					

Date: 11/3/10 Time: 1630 Relinquished by:
Date: Time: Relinquished by:

Received by: Date: 11/5/10 Time: 955A
Received by: Date: Time:

Remarks:
* Caution: May Contain Bio Haz.
Genchem: Anions, Cations, pH, Cl + Alk 11/4/10

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, April 19, 2010

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

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

RE: 2010 1st QTR

Order No.: 1003478

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 3/19/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

Hall Environmental Analysis Laboratory, Inc. **Date:** *19-Apr-10*

CLIENT: Western Refining Southwest, Gallup
Project: 2010 1st QTR
Lab Order: 1003478

CASE NARRATIVE

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

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Apr-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: ~~Napis South~~ West LDU
Lab Order: 1003478
Collection Date: 3/18/2010 9:15:00 AM
Project: 2010 1st QTR
Date Received: 3/19/2010
Lab ID: 1003478-01
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	16	10		mg/L	1	3/25/2010 3:02:14 AM
Motor Oil Range Organics (MRO)	ND	50		mg/L	1	3/25/2010 3:02:14 AM
Surr: DNOP	124	58-140		%REC	1	3/25/2010 3:02:14 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	24	5.0		mg/L	100	3/26/2010 2:23:38 AM
Surr: BFB	96.3	55.2-107		%REC	100	3/26/2010 2:23:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	2700	100		µg/L	100	3/26/2010 2:23:38 AM
Toluene	4200	100		µg/L	100	3/26/2010 2:23:38 AM
Ethylbenzene	190	100		µg/L	100	3/26/2010 2:23:38 AM
Xylenes, Total	1400	200		µg/L	100	3/26/2010 2:23:38 AM
Surr: 4-Bromofluorobenzene	105	65.9-130		%REC	100	3/26/2010 2:23:38 AM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.00080		mg/L	1	3/22/2010 3:28:27 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	3/25/2010 12:15:34 PM
Barium	0.16	0.10		mg/L	5	3/25/2010 12:15:34 PM
Cadmium	ND	0.010		mg/L	5	3/25/2010 12:15:34 PM
Chromium	2.3	0.030		mg/L	5	3/25/2010 12:15:34 PM
Copper	ND	0.030		mg/L	5	3/25/2010 12:15:34 PM
Iron	3.2	0.10		mg/L	5	3/25/2010 12:15:34 PM
Lead	ND	0.025		mg/L	5	3/25/2010 12:15:34 PM
Manganese	2.9	0.010		mg/L	5	3/25/2010 12:15:34 PM
Selenium	ND	0.25		mg/L	5	3/25/2010 12:15:34 PM
Silver	ND	0.025		mg/L	5	3/25/2010 12:15:34 PM
Zinc	ND	0.25		mg/L	5	3/25/2010 12:15:34 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	3/24/2010 12:45:39 PM
Barium	0.20	0.020		mg/L	1	3/24/2010 12:45:39 PM
Cadmium	ND	0.0020		mg/L	1	3/24/2010 12:45:39 PM
Calcium	53	1.0		mg/L	1	3/24/2010 12:45:39 PM
Chromium	2.4	0.030		mg/L	5	3/24/2010 12:59:34 PM
Copper	ND	0.0060		mg/L	1	3/24/2010 12:45:39 PM
Iron	5.3	1.0		mg/L	20	3/25/2010 11:15:58 AM
Lead	ND	0.0050		mg/L	1	3/24/2010 12:45:39 PM
Magnesium	11	1.0		mg/L	1	3/24/2010 12:45:39 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis-South
Lab Order:	1003478	**Collection Date:**	3/18/2010 9:15:00 AM
Project:	2010 1st QTR	**Date Received:**	3/19/2010
Lab ID:	1003478-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Manganese	3.1	0.010		mg/L	5	3/24/2010 12:59:34 PM
Potassium	170	5.0		mg/L	5	3/24/2010 12:59:34 PM
Selenium	ND	0.050		mg/L	1	3/24/2010 12:45:39 PM
Silver	ND	0.0050		mg/L	1	3/24/2010 12:45:39 PM
Sodium	1200	20		mg/L	20	3/25/2010 11:15:58 AM
Zinc	ND	0.050		mg/L	1	3/24/2010 12:45:39 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis-East
Lab Order:	1003478	**Collection Date:**	3/18/2010 9:25:00 AM
Project:	2010 1st QTR	**Date Received:**	3/19/2010
Lab ID:	1003478-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	16000	500		mg/L	50	3/26/2010 3:48:27 PM
Motor Oil Range Organics (MRO)	ND	2500		mg/L	50	3/26/2010 3:48:27 PM
Surr: DNOP	0	58-140	S	%REC	50	3/26/2010 3:48:27 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	120	5.0		mg/L	100	3/26/2010 2:53:53 AM
Surr: BFB	104	55.2-107		%REC	100	3/26/2010 2:53:53 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	9100	100		µg/L	100	3/26/2010 2:53:53 AM
Toluene	17000	500		µg/L	500	3/29/2010 10:01:00 PM
Ethylbenzene	1400	100		µg/L	100	3/26/2010 2:53:53 AM
Xylenes, Total	9900	200		µg/L	100	3/26/2010 2:53:53 AM
Surr: 4-Bromofluorobenzene	101	65.9-130		%REC	100	3/26/2010 2:53:53 AM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.00080		mg/L	1	3/22/2010 3:30:13 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.040		mg/L	2	3/25/2010 12:19:39 PM
Barium	0.21	0.040		mg/L	2	3/25/2010 12:19:39 PM
Cadmium	ND	0.0040		mg/L	2	3/25/2010 12:19:39 PM
Chromium	0.22	0.012		mg/L	2	3/25/2010 12:19:39 PM
Copper	ND	0.012		mg/L	2	3/25/2010 12:19:39 PM
Iron	0.86	0.040		mg/L	2	3/25/2010 12:19:39 PM
Lead	ND	0.010		mg/L	2	3/25/2010 12:19:39 PM
Manganese	2.0	0.0040		mg/L	2	3/25/2010 12:19:39 PM
Selenium	ND	0.10		mg/L	2	3/25/2010 12:19:39 PM
Silver	ND	0.010		mg/L	2	3/25/2010 12:19:39 PM
Zinc	ND	0.10		mg/L	2	3/25/2010 12:19:39 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	1	3/24/2010 1:03:33 PM
Barium	1.3	0.10		mg/L	1	3/24/2010 1:03:33 PM
Cadmium	ND	0.010		mg/L	1	3/24/2010 1:03:33 PM
Calcium	110	5.0		mg/L	1	3/24/2010 1:03:33 PM
Chromium	0.25	0.030		mg/L	1	3/24/2010 1:03:33 PM
Copper	0.073	0.030		mg/L	1	3/24/2010 1:03:33 PM
Iron	24	1.3		mg/L	5	3/24/2010 1:06:12 PM
Lead	ND	0.025		mg/L	1	3/24/2010 1:03:33 PM
Magnesium	13	5.0		mg/L	1	3/24/2010 1:03:33 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Apr-10*

East LDU

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	~~Napis-East~~
Lab Order:	1003478	**Collection Date:**	3/18/2010 9:25:00 AM
Project:	2010 1st QTR	**Date Received:**	3/19/2010
Lab ID:	1003478-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Manganese	2.0	0.010		mg/L	1	3/24/2010 1:03:33 PM
Potassium	63	5.0		mg/L	1	3/24/2010 1:03:33 PM
Selenium	ND	0.25		mg/L	1	3/24/2010 1:03:33 PM
Silver	ND	0.025		mg/L	1	3/24/2010 1:03:33 PM
Sodium	350	5.0		mg/L	1	3/24/2010 1:03:33 PM
Zinc	1.3	0.25		mg/L	1	3/24/2010 1:03:33 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Apr-10*

Oil Sump LU

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Napis North
Lab Order:	1003478	**Collection Date:**	3/18/2010 9:35:00 AM
Project:	2010 1st QTR	**Date Received:**	3/19/2010
Lab ID:	1003478-03	**Matrix:**	PRODUCT

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
DRO BY 8015B						Analyst: **JB**
Diesel Range Organics (DRO)	35	4.8		wt%	100	3/30/2010 3:34:41 PM
Motor Oil Range Organics (MRO)	ND	48		wt%	100	3/30/2010 3:34:41 PM
Surr: DNOP	0	74-125	S	%REC	100	3/30/2010 3:34:41 PM
GRO BY 8015B						Analyst: **NSB**
Gasoline Range Organics (GRO)	69	2.4		wt%	1	3/30/2010 3:37:05 AM
Surr: BFB	155	84-138	S	%REC	1	3/30/2010 3:37:05 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	950		mg/Kg	200	3/30/2010 3:37:05 AM
Benzene	5600	480		mg/Kg	200	3/30/2010 3:37:05 AM
Toluene	33000	480		mg/Kg	200	3/30/2010 3:37:05 AM
Ethylbenzene	6400	480		mg/Kg	200	3/30/2010 3:37:05 AM
Xylenes, Total	38000	950		mg/Kg	200	3/30/2010 3:37:05 AM
Surr: 4-Bromofluorobenzene	99.8	80-120		%REC	200	3/30/2010 3:37:05 AM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.0040		mg/kg	1	3/22/2010 3:32:00 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	2.0		mg/kg	20	3/24/2010 1:09:06 PM
Barium	ND	2.0		mg/kg	20	3/24/2010 1:09:06 PM
Cadmium	ND	0.20		mg/kg	20	3/24/2010 1:09:06 PM
Calcium	310	100		mg/kg	20	3/24/2010 1:09:06 PM
Chromium	1.1	0.60		mg/kg	20	3/24/2010 1:09:06 PM
Copper	4.5	0.60		mg/kg	20	3/24/2010 1:09:06 PM
Lead	1.7	0.50		mg/kg	20	3/24/2010 1:09:06 PM
Magnesium	ND	100		mg/kg	20	3/24/2010 1:09:06 PM
Manganese	3.3	0.20		mg/kg	20	3/24/2010 1:09:06 PM
Potassium	ND	100		mg/kg	20	3/24/2010 1:09:06 PM
Selenium	ND	5.0		mg/kg	20	3/24/2010 1:09:06 PM
Silver	ND	0.50		mg/kg	20	3/24/2010 1:09:06 PM
Sodium	ND	100		mg/kg	20	3/24/2010 1:09:06 PM
Zinc	88	5.0		mg/kg	20	3/24/2010 1:09:06 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1003478	**Collection Date:**	
Project:	2010 1st QTR	**Date Received:**	3/19/2010
Lab ID:	1003478-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	3/26/2010 3:07:26 PM
Toluene	ND	1.0		µg/L	1	3/26/2010 3:07:26 PM
Ethylbenzene	ND	1.0		µg/L	1	3/26/2010 3:07:26 PM
Xylenes, Total	ND	2.0		µg/L	1	3/26/2010 3:07:26 PM
Surr: 4-Bromofluorobenzene	99.1	65.9-130		%REC	1	3/26/2010 3:07:26 PM

Qualifiers:

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

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100323040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003478
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100323040-001	**Sampling Date**	3/18/2010	**Date/Time Received**	3/23/2010 10:45 AM
Client Sample ID	1003478-01C / NAPIS-SOUTH	**Sampling Time**	9:15 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	ND	mg/L	0.001	4/6/2010	ETL	EPA 6020A	

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

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100323040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003478
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100323040-002	**Sampling Date**	3/18/2010	**Date/Time Received**	3/23/2010 10:45 AM
Client Sample ID	1003478-01E / NAPIS-SOUTH	**Sampling Time**	9:15 AM		
Matrix	Water WestLDH	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	ND	mg/L	0.001	4/8/2010	ETL	EPA 6020A	

ADJ1203

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100323040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003478
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100323040-003	**Sampling Date**	3/18/2010	**Date/Time Received**	3/23/2010	10:45 AM	
Client Sample ID	1003478-02C / NAPIS-EAST	**Sampling Time**	9:25 AM				
Matrix	Water East LDU	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	ND	mg/L	0.001	4/6/2010	ETL	EPA 6020A	

East LAB

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100323040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003478
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100323040-004	**Sampling Date**	3/18/2010	**Date/Time Received**	3/23/2010	10:45 AM
Client Sample ID	1003478-02E / NAPIS-EAST	**Sampling Time**	9:25 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	ND	mg/L	0.001	4/6/2010	ETL	EPA 6020A	

Oil Sump LDH

Anatek Labs, Inc.

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

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100323040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003478
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100323040-005A	**Sampling Date**	3/18/2010	**Date/Time Received**	3/23/2010 10:45 AM
Client Sample ID	1003478-03C / NAPIS-NORTH	**Sampling Time**	9:35 AM		
Matrix	Liquid	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.0461	mg/kg	0.025	4/6/2010	ETL	EPA 6020A	

NAPIS groundwater

Oil Sump LDU

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100323040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003478
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100323040-006A	**Sampling Date**	3/18/2010	**Date/Time Received**	3/23/2010	10:45 AM	
Client Sample ID	1003478-03E / NAPIS-NORTH	**Sampling Time**	9:35 AM				
Matrix	Liquid	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	ND	mg/kg	0.025	4/6/2010	ETL	EPA 6020A	

Authorized Signature

John Coddington, Lab Manager

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

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003478

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: DRO by 8015B											
Sample ID: MB-21775		*MBLK*				Batch ID:	**21775**	Analysis Date:		3/29/2010 5:14:43 PM	
Diesel Range Organics (DRO)	ND	wt%	0.50								
Motor Oil Range Organics (MRO)	ND	wt%	5.0								
Sample ID: LCS-21775		*LCS*				Batch ID:	**21775**	Analysis Date:		4/1/2010 10:50:38 AM	
Diesel Range Organics (DRO)	ND	wt%	0.50	0.5	0	89.3	78	121			
Sample ID: LCSD-21775		*LCSD*				Batch ID:	**21775**	Analysis Date:		3/30/2010 1:08:47 PM	
Diesel Range Organics (DRO)	0.5682	wt%	0.50	0.5	0	114	78	121	23.9	15	R
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21735		*MBLK*				Batch ID:	**21735**	Analysis Date:		3/24/2010 12:37:14 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21735		*LCS*				Batch ID:	**21735**	Analysis Date:		3/24/2010 1:13:10 PM	
Diesel Range Organics (DRO)	6.902	mg/L	1.0	5	0	138	74	157			
Sample ID: LCSD-21735		*LCSD*				Batch ID:	**21735**	Analysis Date:		3/24/2010 1:49:22 PM	
Diesel Range Organics (DRO)	7.596	mg/L	1.0	5	0	152	74	157	9.58	23	
Method: GRO by 8015B											
Sample ID: MB-21771		*MBLK*				Batch ID:	**21771**	Analysis Date:		3/30/2010 5:39:55 AM	
Gasoline Range Organics (GRO)	ND	wt%	2.5								
Sample ID: LCS-21771		*LCS*				Batch ID:	**21771**	Analysis Date:		3/30/2010 4:39:29 AM	
Gasoline Range Organics (GRO)	27.25	wt%	2.5	25	1.58	103	69.5	120			
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37933**	Analysis Date:		3/25/2010 8:08:53 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37955**	Analysis Date:		3/26/2010 9:33:10 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37971**	Analysis Date:		3/29/2010 9:19:21 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37933**	Analysis Date:		3/25/2010 5:48:03 PM	
Gasoline Range Organics (GRO)	0.5250	mg/L	0.050	0.5	0	105	80	115			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37955**	Analysis Date:		3/26/2010 6:40:11 PM	
Gasoline Range Organics (GRO)	0.5154	mg/L	0.050	0.5	0	103	80	115			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37971**	Analysis Date:		3/29/2010 6:58:49 PM	
Gasoline Range Organics (GRO)	0.5378	mg/L	0.050	0.5	0	108	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R37933**	Analysis Date:		3/25/2010 6:18:25 PM	
Gasoline Range Organics (GRO)	0.5326	mg/L	0.050	0.5	0	107	80	115	1.44	8.39	
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R37955**	Analysis Date:		3/26/2010 7:10:21 PM	
Gasoline Range Organics (GRO)	0.5138	mg/L	0.050	0.5	0	103	80	115	0.311	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003478

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: MB-21771		*MBLK*				Batch ID:	**21771**	Analysis Date:		3/30/2010 5:39:55 AM	
Methyl tert-butyl ether (MTBE)	ND	mg/Kg	5.0								
Benzene	ND	mg/Kg	2.5								
Toluene	ND	mg/Kg	2.5								
Ethylbenzene	ND	mg/Kg	2.5								
Xylenes, Total	ND	mg/Kg	5.0								
Sample ID: LCS-21771		*LCS*				Batch ID:	**21771**	Analysis Date:		3/30/2010 5:09:41 AM	
Methyl tert-butyl ether (MTBE)	46.31	mg/Kg	5.0	100	0	46.3	65	132			S
Benzene	46.82	mg/Kg	2.5	50	0.8	92.0	77	122			
Toluene	44.54	mg/Kg	2.5	50	0	89.1	81	115			
Ethylbenzene	48.14	mg/Kg	2.5	50	0	96.3	84	117			
Xylenes, Total	146.2	mg/Kg	5.0	150	0.86	96.9	84	116			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003478

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML RB		*MBLK*				Batch ID: **R37933**		Analysis Date:	3/25/2010 8:08:53 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML RB		*MBLK*				Batch ID: **R37955**		Analysis Date:	3/26/2010 9:33:10 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ML RB		*MBLK*				Batch ID: **R37971**		Analysis Date:	3/29/2010 9:19:21 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID: **R37933**		Analysis Date:	3/25/2010 7:49:37 PM		
Benzene	21.09	µg/L	1.0	20	0	105	85.9	113			
Toluene	20.45	µg/L	1.0	20	0	102	86.4	113			
Ethylbenzene	20.53	µg/L	1.0	20	0.126	102	83.5	118			
Xylenes, Total	62.21	µg/L	2.0	60	0	104	83.4	122			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID: **R37955**		Analysis Date:	3/26/2010 7:40:41 PM		
Benzene	20.69	µg/L	1.0	20	0	103	85.9	113			
Toluene	20.58	µg/L	1.0	20	0	103	86.4	113			
Ethylbenzene	19.76	µg/L	1.0	20	0.12	98.2	83.5	118			
Xylenes, Total	61.06	µg/L	2.0	60	0	102	83.4	122			
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID: **R37971**		Analysis Date:	3/29/2010 7:29:11 PM		
Benzene	20.98	µg/L	1.0	20	0	105	85.9	113			
Toluene	20.86	µg/L	1.0	20	0	104	86.4	113			
Ethylbenzene	20.33	µg/L	1.0	20	0.182	101	83.5	118			
Xylenes, Total	61.98	µg/L	2.0	60	0	103	83.4	122			
Sample ID: 100NG BTEX LCSD		*LCSD*				Batch ID: **R37955**		Analysis Date:	3/26/2010 8:10:54 PM		
Benzene	20.47	µg/L	1.0	20	0	102	85.9	113	1.06	27	
Toluene	20.20	µg/L	1.0	20	0	101	86.4	113	1.86	19	
Ethylbenzene	19.65	µg/L	1.0	20	0.12	97.7	83.5	118	0.578	10	
Xylenes, Total	60.71	µg/L	2.0	60	0	101	83.4	122	0.572	13	
Method: EPA Method 7470: Mercury											
Sample ID: MB-21707		*MBLK*				Batch ID: **21707**		Analysis Date:	3/22/2010 2:45:26 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-21707		*LCS*				Batch ID: **21707**		Analysis Date:	3/22/2010 2:47:11 PM		
Mercury	0.005217	mg/L	0.00020	0.005	2E-05	104	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003478

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R37917**		Analysis Date: 3/25/2010 11:04:25 AM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID: **R37917**		Analysis Date: 3/25/2010 11:07:14 AM			
Arsenic	0.5082	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4889	mg/L	0.020	0.5	0	97.8	80	120			
Cadmium	0.5014	mg/L	0.0020	0.5	0	100	80	120			
Chromium	0.4977	mg/L	0.0060	0.5	0	99.5	80	120			
Copper	0.5377	mg/L	0.0060	0.5	0	108	80	120			
Iron	0.4945	mg/L	0.020	0.5	0	98.9	80	120			
Lead	0.4907	mg/L	0.0050	0.5	0	98.1	80	120			
Manganese	0.4923	mg/L	0.0020	0.5	0	98.5	80	120			
Selenium	0.4952	mg/L	0.050	0.5	0	99.0	80	120			
Silver	0.4973	mg/L	0.0050	0.5	0	99.5	80	120			
Zinc	0.4985	mg/L	0.050	0.5	0	99.7	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003478

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-21728		*MBLK*				**Batch ID:**	**21728**	**Analysis Date:**	3/24/2010 11:30:15 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-21728		*LCS*				**Batch ID:**	**21728**	**Analysis Date:**	3/24/2010 11:33:05 AM		
Arsenic	0.5089	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4950	mg/L	0.020	0.5	0	99.0	80	120			
Cadmium	0.5045	mg/L	0.0020	0.5	0	101	80	120			
Calcium	51.01	mg/L	1.0	50	0	102	80	120			
Chromium	0.5052	mg/L	0.0060	0.5	0.0018	101	80	120			
Copper	0.5502	mg/L	0.0060	0.5	0	110	80	120			
Iron	0.5061	mg/L	0.050	0.5	0.0309	95.1	80	120			
Lead	0.4975	mg/L	0.0050	0.5	0	99.5	80	120			
Magnesium	51.67	mg/L	1.0	50	0	103	80	120			
Manganese	0.4987	mg/L	0.0020	0.5	0	99.7	80	120			
Potassium	55.07	mg/L	1.0	50	0	110	80	120			
Selenium	0.4965	mg/L	0.050	0.5	0	99.3	80	120			
Silver	0.5044	mg/L	0.0050	0.5	0	101	80	120			
Sodium	54.78	mg/L	1.0	50	0	110	80	120			
Zinc	0.4925	mg/L	0.020	0.5	0	98.5	80	120			
Sample ID: LCS-21728		*LCS*				**Batch ID:**	**21728**	**Analysis Date:**	3/24/2010 11:36:04 AM		
Arsenic	0.5077	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4939	mg/L	0.020	0.5	0	98.8	80	120			
Cadmium	0.5015	mg/L	0.0020	0.5	0	100	80	120			
Calcium	51.26	mg/L	1.0	50	0	103	80	120			
Chromium	0.5013	mg/L	0.0060	0.5	0.0018	99.9	80	120			
Copper	0.5510	mg/L	0.0060	0.5	0	110	80	120			
Iron	0.5101	mg/L	0.050	0.5	0.0309	95.8	80	120			
Lead	0.4984	mg/L	0.0050	0.5	0	99.7	80	120			
Magnesium	51.86	mg/L	1.0	50	0	104	80	120			
Manganese	0.4975	mg/L	0.0020	0.5	0	99.5	80	120			
Potassium	55.26	mg/L	1.0	50	0	111	80	120			
Selenium	0.4973	mg/L	0.050	0.5	0	99.5	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003478

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: LCS-21728		*LCS*				**Batch ID:**	**21728**	**Analysis Date:**		3/24/2010 11:36:04 AM	
Silver	0.5022	mg/L	0.0050	0.5	0	100	80	120			
Sodium	54.94	mg/L	1.0	50	0	110	80	120			
Zinc	0.4915	mg/L	0.020	0.5	0	98.3	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/19/2010**

Work Order Number **1003478** Received by: **TLS**

Checklist completed by: _____ 3/19/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☑	N/A ☐	
Container/Temp Blank temperature?	9.9°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 8

(<2 >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 2ml of HNO_3 to total metals bottles and .4ml HNO_3 to diss metals bottles on sample Navajo - South for acceptable pH AF 3/19/10

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: 2010 1st QTR

Project #: Naps 2nd qtr Contin.

Project Manager: G Rajen

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 6°C

HEAL No: 1003148

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals, WQCC Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
3-18-10	0915	H2O	Naps - South	40ml-3	HCl	1	X															
			West LDU	40ml-3	HCl	1			X													
				500ml-2	HNO3	1							X									
				125ml-2	HNO3	1							X									
	0925		Naps - East	40ml-3	HCl	2	X															
			East LDU	40ml-3	HCl	2			X													
				500ml-2	HNO3	2							X									
				125ml-2	HNO3	2							X									
	0935		Naps - North	40ml-3	HCl	3	X															
			Oil Sump LDU	40ml-3	HCl	3			X													
				500ml-2	HNO3	3							X									
				125ml-2	HNO3	3							X									

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/18/10	1230			3/19/10	900
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: (1) Drip blank included. 4

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, October 12, 2010

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

TEL: (505) 722-0231
FAX: (505) 722-0210

RE: 3rd Qtr 2010

Order No.: 1009898

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 9/21/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

Hall Environmental Analysis Laboratory, Inc.

Date: *12-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1009898	**Collection Date:**	9/20/2010 9:45:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/21/2010
Lab ID:	1009898-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	9.0	1.0		mg/L	1	9/22/2010 9:21:44 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/22/2010 9:21:44 PM
Surr: DNOP	123	86.9-151		%REC	1	9/22/2010 9:21:44 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	26	2.5		mg/L	50	10/1/2010 6:10:55 PM
Surr: BFB	106	79.9-117		%REC	50	10/1/2010 6:10:55 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	25		µg/L	10	9/30/2010 10:24:13 PM
Benzene	3100	100		µg/L	100	10/1/2010 2:57:50 PM
Toluene	5800	100		µg/L	100	10/1/2010 2:57:50 PM
Ethylbenzene	360	10		µg/L	10	9/30/2010 10:24:13 PM
Xylenes, Total	2900	20		µg/L	10	9/30/2010 10:24:13 PM
1,2,4-Trimethylbenzene	340	10		µg/L	10	9/30/2010 10:24:13 PM
1,3,5-Trimethylbenzene	100	10		µg/L	10	9/30/2010 10:24:13 PM
Surr: 4-Bromofluorobenzene	108	83.6-151		%REC	10	9/30/2010 10:24:13 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:39:05 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/1/2010 2:13:00 PM
Barium	0.25	0.020		mg/L	1	10/1/2010 2:13:00 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 2:13:00 PM
Chromium	0.062	0.0060		mg/L	1	10/1/2010 2:13:00 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 2:13:00 PM
Iron	0.12	0.020		mg/L	1	10/1/2010 2:13:00 PM
Lead	ND	0.0050		mg/L	1	10/1/2010 2:13:00 PM
Manganese	0.81	0.0020		mg/L	1	10/1/2010 2:13:00 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 2:13:00 PM
Silver	ND	0.0050		mg/L	1	10/4/2010 1:21:56 PM
Zinc	ND	0.050		mg/L	1	10/1/2010 2:13:00 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/28/2010 4:28:11 PM
Barium	0.27	0.020		mg/L	1	9/28/2010 4:28:11 PM
Cadmium	ND	0.0020		mg/L	1	9/28/2010 4:28:11 PM
Chromium	0.067	0.0060		mg/L	1	9/28/2010 4:28:11 PM
Copper	ND	0.0060		mg/L	1	9/28/2010 4:28:11 PM
Iron	0.31	0.050		mg/L	1	9/28/2010 4:28:11 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *12-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1009898	**Collection Date:**	9/20/2010 9:45:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/21/2010
Lab ID:	1009898-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Lead	ND	0.0050		mg/L	1	9/28/2010 4:28:11 PM
Manganese	0.84	0.0020		mg/L	1	9/28/2010 4:28:11 PM
Selenium	ND	0.050		mg/L	1	9/28/2010 4:28:11 PM
Silver	ND	0.0050		mg/L	1	9/28/2010 4:28:11 PM
Zinc	ND	0.020		mg/L	1	9/28/2010 4:28:11 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1009898	**Collection Date:**	9/20/2010 9:57:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/21/2010
Lab ID:	1009898-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	120	30		mg/L	10	9/22/2010 9:55:36 PM
Motor Oil Range Organics (MRO)	ND	150		mg/L	10	9/22/2010 9:55:36 PM
Surr: DNOP	0	86.9-151	S	%REC	10	9/22/2010 9:55:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	100	10		mg/L	200	10/1/2010 6:39:50 PM
Surr: BFB	105	79.9-117		%REC	200	10/1/2010 6:39:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	130		µg/L	50	9/30/2010 11:25:16 PM
Benzene	10000	500		µg/L	500	10/1/2010 1:26:35 PM
Toluene	20000	500		µg/L	500	10/1/2010 1:26:35 PM
Ethylbenzene	1100	50		µg/L	50	9/30/2010 11:25:16 PM
Xylenes, Total	8100	100		µg/L	50	9/30/2010 11:25:16 PM
1,2,4-Trimethylbenzene	810	50		µg/L	50	9/30/2010 11:25:16 PM
1,3,5-Trimethylbenzene	260	50		µg/L	50	9/30/2010 11:25:16 PM
Surr: 4-Bromofluorobenzene	103	83.6-151		%REC	50	9/30/2010 11:25:16 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00080		mg/L	1	9/28/2010 3:40:55 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/1/2010 2:19:51 PM
Barium	0.31	0.020		mg/L	1	10/1/2010 2:19:51 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 2:19:51 PM
Chromium	0.033	0.0060		mg/L	1	10/1/2010 2:19:51 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 2:19:51 PM
Iron	0.14	0.020		mg/L	1	10/1/2010 2:19:51 PM
Lead	ND	0.0050		mg/L	1	10/1/2010 2:19:51 PM
Manganese	0.73	0.0020		mg/L	1	10/1/2010 2:19:51 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 2:19:51 PM
Silver	ND	0.0050		mg/L	1	10/4/2010 1:25:47 PM
Zinc	ND	0.050		mg/L	1	10/1/2010 2:19:51 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/28/2010 4:44:19 PM
Barium	0.54	0.020		mg/L	1	9/28/2010 4:44:19 PM
Cadmium	ND	0.0020		mg/L	1	9/28/2010 4:44:19 PM
Chromium	0.039	0.0060		mg/L	1	9/28/2010 4:44:19 PM
Copper	ND	0.0060		mg/L	1	9/28/2010 4:44:19 PM
Iron	7.6	0.50		mg/L	10	9/28/2010 4:51:26 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *12-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1009898	**Collection Date:**	9/20/2010 9:57:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/21/2010
Lab ID:	1009898-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Lead	ND	0.0050		mg/L	1	9/28/2010 4:44:19 PM
Manganese	0.80	0.0020		mg/L	1	9/28/2010 4:44:19 PM
Selenium	ND	0.050		mg/L	1	9/28/2010 4:44:19 PM
Silver	ND	0.0050		mg/L	1	9/28/2010 4:44:19 PM
Zinc	0.21	0.020		mg/L	1	9/28/2010 4:44:19 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *12-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1009898	**Collection Date:**	9/20/2010 10:24:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/21/2010
Lab ID:	1009898-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1400	60		mg/L	20	9/22/2010 10:29:27 PM
Motor Oil Range Organics (MRO)	ND	300		mg/L	20	9/22/2010 10:29:27 PM
Surr: DNOP	0	86.9-151	S	%REC	20	9/22/2010 10:29:27 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	650	25		mg/L	500	10/1/2010 7:08:47 PM
Surr: BFB	182	79.9-117	S	%REC	500	10/1/2010 7:08:47 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	200	9/30/2010 11:55:28 PM
Benzene	9400	200		µg/L	200	9/30/2010 11:55:28 PM
Toluene	29000	500		µg/L	500	10/1/2010 1:56:57 PM
Ethylbenzene	6100	200		µg/L	200	9/30/2010 11:55:28 PM
Xylenes, Total	40000	400		µg/L	200	9/30/2010 11:55:28 PM
1,2,4-Trimethylbenzene	12000	200		µg/L	200	9/30/2010 11:55:28 PM
1,3,5-Trimethylbenzene	4600	200		µg/L	200	9/30/2010 11:55:28 PM
Surr: 4-Bromofluorobenzene	120	83.6-151		%REC	200	9/30/2010 11:55:28 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	0.011	0.00080		mg/L	1	9/28/2010 3:42:47 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/1/2010 2:26:38 PM
Barium	0.32	0.020		mg/L	1	10/1/2010 2:26:38 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 2:26:38 PM
Chromium	0.030	0.0060		mg/L	1	10/1/2010 2:26:38 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 2:26:38 PM
Iron	0.12	0.020		mg/L	1	10/1/2010 2:26:38 PM
Lead	0.0056	0.0050		mg/L	1	10/1/2010 2:26:38 PM
Manganese	1.1	0.010		mg/L	5	10/1/2010 2:30:39 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 2:26:38 PM
Silver	ND	0.0050		mg/L	1	10/4/2010 1:29:38 PM
Zinc	ND	0.050		mg/L	1	10/1/2010 2:26:38 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	1	9/28/2010 4:54:25 PM
Barium	15	0.50		mg/L	5	9/28/2010 4:57:25 PM
Cadmium	ND	0.010		mg/L	1	9/28/2010 4:54:25 PM
Chromium	0.23	0.030		mg/L	1	9/28/2010 4:54:25 PM
Copper	0.59	0.030		mg/L	1	9/28/2010 4:54:25 PM
Iron	130	13		mg/L	50	9/29/2010 1:27:04 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *12-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1009898	**Collection Date:**	9/20/2010 10:24:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/21/2010
Lab ID:	1009898-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Lead	0.24	0.025		mg/L	1	9/28/2010 4:54:25 PM
Manganese	1.6	0.010		mg/L	1	9/28/2010 4:54:25 PM
Selenium	ND	0.25		mg/L	1	9/28/2010 4:54:25 PM
Silver	ND	0.025		mg/L	1	9/28/2010 4:54:25 PM
Zinc	13	0.50		mg/L	5	9/28/2010 4:57:25 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *12-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1009898	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/21/2010
Lab ID:	1009898-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/1/2010 5:41:54 PM
Surr: BFB	101	79.9-117		%REC	1	10/1/2010 5:41:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	10/1/2010 1:57:56 AM
Benzene	ND	1.0		µg/L	1	10/1/2010 1:57:56 AM
Toluene	ND	1.0		µg/L	1	10/1/2010 1:57:56 AM
Ethylbenzene	ND	1.0		µg/L	1	10/1/2010 1:57:56 AM
Xylenes, Total	ND	2.0		µg/L	1	10/1/2010 1:57:56 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/1/2010 1:57:56 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/1/2010 1:57:56 AM
Surr: 4-Bromofluorobenzene	98.0	83.6-151		%REC	1	10/1/2010 1:57:56 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *12-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1009898	**Collection Date:**	9/20/2010 9:30:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/21/2010
Lab ID:	1009898-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/30/2010 6:20:57 PM
Surr: BFB	85.0	79.9-117		%REC	1	9/30/2010 6:20:57 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	9/30/2010 6:20:57 PM
Benzene	ND	1.0		µg/L	1	9/30/2010 6:20:57 PM
Toluene	ND	1.0		µg/L	1	9/30/2010 6:20:57 PM
Ethylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:57 PM
Xylenes, Total	ND	2.0		µg/L	1	9/30/2010 6:20:57 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:57 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:57 PM
Surr: 4-Bromofluorobenzene	105	83.6-151		%REC	1	9/30/2010 6:20:57 PM

Qualifiers:

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

ICP-MS

Client: **Hall Environmental Analysis Laboratory**
Description: **1009898-01D**
Date Sampled: **09/20/2010 0945**
Date Received: **09/22/2010**

Laboratory ID: **LI22018-008**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2010 0420	FTS	09/26/2010 1740	43111

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Uranium	7440-61-1	6020A	ND		50	1.5	ug/L	1

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

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

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

ICP-MS

Client: **Hall Environmental Analysis Laboratory**
Description: **1009898-01F**
Date Sampled: **09/20/2010 0945**
Date Received: **09/22/2010**

Laboratory ID: **LI22018-009**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2010 0430	FTS	09/26/2010 1740	43111

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Dissolved Uranium	7440-61-1	6020A	ND		60	1.5	ug/L	1

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

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

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

ICP-MS

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LI22018-010**

Description: **1009898-02D** Matrix: **Aqueous**

Date Sampled: **09/20/2010 0957**

Date Received: **09/22/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2010 0440	FTS	09/26/2010 1740	43111

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Uranium	7440-61-1	6020A	ND		50	1.5	ug/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

ICP-MS

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LI22018-011**

Description: **1009898-02F** Matrix: **Aqueous**

Date Sampled: **09/20/2010 0957**

Date Received: **09/22/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2010 0450	FTS	09/26/2010 1740	43111

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Dissolved Uranium	7440-61-1	6020A	ND		50	1.5	ug/L	1

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

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

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

ICP-MS

Client: **Hall Environmental Analysis Laboratory**
Description: **1009898-03D**
Date Sampled: **09/20/2010 1024**
Date Received: **09/22/2010**

Laboratory ID: **LI22018-012**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2010 0500	FTS	09/28/2010 1740	43111

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Uranium	7440-61-1	6020A	1.6	J	50	1.5	ug/L	1

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

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

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

ICP-MS

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LI22018-013**

Description: **1009898-03F** Matrix: **Aqueous**

Date Sampled: **09/20/2010 1024**

Date Received: **09/22/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	09/30/2010 0510	FTS	09/26/2010 1740	43111

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Dissolved Uranium	7440-61-1	6020A	ND		50	1.5	ug/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LI22018-014**

Description: **1009898-04A** Matrix: **Aqueous**

Date Sampled: **09/20/2010 1100**

Date Received: **09/22/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(COD) SM 5220D	2	09/27/2010 1000	SMH	09/24/2010 1400	

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
COD		SM 5220D	1500		20	11	mg/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LI22018-015**

Description: **1009898-04B** Matrix: **Aqueous**

Date Sampled: **09/20/2010 1100**

Date Received: **09/22/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	09/27/2010 1031	SAM	09/22/2010 1139	5923

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
BOD, 5 day		**SM 5210B**	**420**	**H**	**2.0**	**0.18**	**mg/L**	**1**

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 10098

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23862		*MBLK*				Batch ID:	**23862**	Analysis Date:		9/22/2010 9:28:19 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23862		*LCS*				Batch ID:	**23862**	Analysis Date:		9/22/2010 10:02:26 AM	
Diesel Range Organics (DRO)	7.067	mg/L	1.0	5	0	141	74	157			
Sample ID: LCSD-23862		*LCSD*				Batch ID:	**23862**	Analysis Date:		9/22/2010 10:36:32 AM	
Diesel Range Organics (DRO)	5.853	mg/L	1.0	5	0	117	74	157	18.8	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41290**	Analysis Date:		9/30/2010 9:13:11 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41317**	Analysis Date:		10/1/2010 9:46:59 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41290**	Analysis Date:		9/30/2010 1:12:51 PM	
Gasoline Range Organics (GRO)	0.4748	mg/L	0.050	0.5	0	95.0	89.5	122			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41317**	Analysis Date:		10/1/2010 10:31:37 PM	
Gasoline Range Organics (GRO)	0.5438	mg/L	0.050	0.5	0	109	89.5	122			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R41290**	Analysis Date:		9/30/2010 7:52:04 PM	
Gasoline Range Organics (GRO)	0.4760	mg/L	0.050	0.5	0	95.2	89.5	122	0.252	10.5	
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R41317**	Analysis Date:		10/1/2010 11:00:38	
Gasoline Range Organics (GRO)	0.5130	mg/L	0.050	0.5	0	103	89.5	122	5.83	10.5	
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41290**	Analysis Date:		9/30/2010 9:13:11 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R41290**	Analysis Date:		9/30/2010 1:43:26 PM	
Methyl tert-butyl ether (MTBE)	24.79	µg/L	2.5	20	0	124	75.5	124			
Benzene	21.58	µg/L	1.0	20	0.156	107	84.7	118			
Toluene	20.52	µg/L	1.0	20	0	103	82	123			
Ethylbenzene	20.19	µg/L	1.0	20	0.14	100	83	118			
Xylenes, Total	61.74	µg/L	2.0	60	0	103	85.4	119			
1,2,4-Trimethylbenzene	19.81	µg/L	1.0	20	0.202	98.0	82.1	113			
1,3,5-Trimethylbenzene	20.89	µg/L	1.0	20	0.188	104	89.6	119			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009898

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 7470: Mercury											
Sample ID: MB-23924		*MBLK*				Batch ID: **23924**		Analysis Date: 9/28/2010 3:13:51 PM			
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23924		*LCS*				Batch ID: **23924**		Analysis Date: 9/28/2010 4:04:18 PM			
Mercury	0.005268	mg/L	0.00020	0.005	2E-05	105	80	120			
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R41319**		Analysis Date: 10/1/2010 12:30:48 PM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID: **R41319**		Analysis Date: 10/1/2010 12:33:38 PM			
Arsenic	0.4908	mg/L	0.020	0.5	0	98.2	80	120			
Barium	0.4717	mg/L	0.020	0.5	0	94.3	80	120			
Cadmium	0.4799	mg/L	0.0020	0.5	0	96.0	80	120			
Chromium	0.4771	mg/L	0.0060	0.5	0	95.4	80	120			
Copper	0.5044	mg/L	0.0060	0.5	0	101	80	120			
Iron	0.4726	mg/L	0.020	0.5	0	94.5	80	120			
Lead	0.4787	mg/L	0.0050	0.5	0	95.7	80	120			
Manganese	0.4664	mg/L	0.0020	0.5	0	93.3	80	120			
Selenium	0.4723	mg/L	0.050	0.5	0	94.5	80	120			
Silver	0.4782	mg/L	0.0050	0.5	0.0003	95.6	80	120			
Zinc	0.4825	mg/L	0.050	0.5	0	96.5	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 10098

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA 6010B: Total Recoverable Metals**											
Sample ID: **MB-23908**		*MBLK*				Batch ID:	**23908**	Analysis Date:	9/28/2010 3:40:14 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: **LCS-23908**		*LCS*				Batch ID:	**23908**	Analysis Date:	9/28/2010 3:43:13 PM		
Arsenic	0.5228	mg/L	0.020	0.5	0	105	80	120			
Barium	0.5011	mg/L	0.020	0.5	0	100	80	120			
Cadmium	0.5045	mg/L	0.0020	0.5	0	101	80	120			
Chromium	0.5107	mg/L	0.0060	0.5	0	102	80	120			
Copper	0.5535	mg/L	0.0060	0.5	0	111	80	120			
Iron	0.5238	mg/L	0.050	0.5	0	105	80	120			
Lead	0.5027	mg/L	0.0050	0.5	0	101	80	120			
Manganese	0.5000	mg/L	0.0020	0.5	0.0002	100	80	120			
Selenium	0.4618	mg/L	0.050	0.5	0	92.4	80	120			
Silver	0.5184	mg/L	0.0050	0.5	0.0002	104	80	120			
Zinc	0.4910	mg/L	0.020	0.5	0	98.2	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 9/21/2010

Work Order Number 1009898 | Received by: MLW

Checklist completed by: Ashley M Gallegos 9/21/10 (Signature / Date) | Sample ID labels checked by: S (Initials)

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	0.4°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 13

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

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

Turn-Around Time: ☒ Standard ☐ Rush ____
Project Name: 3rd QTR 2010
Project #: Napis LDU
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 0.4

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1009878	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
							Analysis Request															
9/2/10	0945	H2O	West LDU			-1	X		X									X				
	0957		East LDU			-2																
	1024		Old Sump LDU			-3																
	1100		Pilot Effluent*			-4														X		
			Trip Blank			-5	X		X													
	0930		Field Blank			-6	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/2/10	1130		M. Walters	9/2/10	1015
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: * May Contain Biohazards

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

LDU

COVER LETTER

Friday, December 10, 2010

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

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 4th Qtr 2010

Order No.: 1011631

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 11/12/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1011631	**Collection Date:**	11/10/2010 12:15:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/16/2010 5:10:36 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/16/2010 5:10:36 PM
Surr: DNOP	122	86.9-151		%REC	1	11/16/2010 5:10:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/18/2010 12:03:15 PM
Surr: BFB	104	84.5-118		%REC	1	11/18/2010 12:03:15 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.38	0.10		mg/L	1	11/16/2010 8:16:42 PM
Chloride	450	25		mg/L	50	11/22/2010 11:47:05 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/23/2010 1:48:59 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	11/16/2010 8:16:42 PM
Sulfate	150	10		mg/L	20	11/16/2010 8:34:06 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/17/2010 1:23:13 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 9:19:50 AM
Barium	0.047	0.020		mg/L	1	11/30/2010 9:19:50 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 9:19:50 AM
Calcium	62	1.0		mg/L	1	11/30/2010 9:19:50 AM
Chromium	ND	0.0060		mg/L	1	11/30/2010 9:19:50 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 9:19:50 AM
Iron	ND	0.020		mg/L	1	11/30/2010 9:19:50 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 9:19:50 AM
Magnesium	8.8	1.0		mg/L	1	11/30/2010 9:19:50 AM
Manganese	0.030	0.0020		mg/L	1	11/30/2010 9:19:50 AM
Potassium	1.4	1.0		mg/L	1	11/30/2010 9:19:50 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 9:19:50 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 9:19:50 AM
Sodium	460	10		mg/L	10	12/3/2010 10:54:21 AM
Zinc	ND	0.050		mg/L	1	11/30/2010 9:19:50 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 11:28:10 AM
Barium	0.062	0.020		mg/L	1	11/30/2010 11:28:10 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 11:28:10 AM
Chromium	ND	0.0060		mg/L	1	11/30/2010 11:28:10 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 11:28:10 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1011631	**Collection Date:**	11/10/2010 12:15:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Iron	ND	0.050		mg/L	1	11/30/2010 11:28:10 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 11:28:10 AM
Manganese	0.040	0.0020		mg/L	1	11/30/2010 11:28:10 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 11:28:10 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 6:29:14 PM
Zinc	ND	0.020		mg/L	1	11/30/2010 11:28:10 AM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Toluene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Methyl tert-butyl ether (MTBE)	36	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
phthalene	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 2:07:20 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 2:07:20 AM
Acetone	ND	10		µg/L	1	11/19/2010 2:07:20 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Bromoform	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Bromomethane	ND	3.0		µg/L	1	11/19/2010 2:07:20 AM
2-Butanone	ND	10		µg/L	1	11/19/2010 2:07:20 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2010 2:07:20 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
Chloroform	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Chloromethane	ND	3.0		µg/L	1	11/19/2010 2:07:20 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM

alifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1011631	**Collection Date:**	11/10/2010 12:15:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
2-Hexanone	ND	10		µg/L	1	11/19/2010 2:07:20 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2010 2:07:20 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2010 2:07:20 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Styrene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2010 2:07:20 AM
Surr: 1,2-Dichloroethane-d4	98.8	77.7-113		%REC	1	11/19/2010 2:07:20 AM
Surr: 4-Bromofluorobenzene	106	76.4-106	S	%REC	1	11/19/2010 2:07:20 AM
Surr: Dibromofluoromethane	103	91.6-125		%REC	1	11/19/2010 2:07:20 AM
Surr: Toluene-d8	97.8	92.3-107		%REC	1	11/19/2010 2:07:20 AM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011631
Project: 4th Qtr 2010
Lab ID: 1011631-02

Client Sample ID: OW-01
Collection Date: 11/10/2010 2:31:00 PM
Date Received: 11/12/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/16/2010 5:55:10 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/16/2010 5:55:10 PM
Surr: DNOP	119	86.9-151		%REC	1	11/16/2010 5:55:10 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/18/2010 1:01:11 PM
Surr: BFB	101	84.5-118		%REC	1	11/18/2010 1:01:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.31	0.10		mg/L	1	11/16/2010 9:26:20 PM
Chloride	64	10		mg/L	20	11/16/2010 9:43:45 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/23/2010 2:06:24 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	11/16/2010 9:26:20 PM
Sulfate	180	10		mg/L	20	11/16/2010 9:43:45 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/17/2010 1:24:59 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 9:23:58 AM
Barium	0.037	0.020		mg/L	1	11/30/2010 9:23:58 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 9:23:58 AM
Calcium	2.2	1.0		mg/L	1	11/30/2010 9:23:58 AM
Chromium	ND	0.0060		mg/L	1	11/30/2010 9:23:58 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 9:23:58 AM
Iron	ND	0.020		mg/L	1	11/30/2010 9:23:58 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 9:23:58 AM
Magnesium	ND	1.0		mg/L	1	11/30/2010 9:23:58 AM
Manganese	0.0046	0.0020		mg/L	1	11/30/2010 9:23:58 AM
Potassium	ND	1.0		mg/L	1	11/30/2010 9:23:58 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 9:23:58 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 9:23:58 AM
Sodium	300	5.0		mg/L	5	12/3/2010 10:58:46 AM
Zinc	ND	0.050		mg/L	1	11/30/2010 9:23:58 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 11:32:19 AM
Barium	ND	0.020		mg/L	1	11/30/2010 11:32:19 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 11:32:19 AM
Chromium	ND	0.0060		mg/L	1	11/30/2010 11:32:19 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 11:32:19 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-01
Lab Order:	1011631	**Collection Date:**	11/10/2010 2:31:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Iron	ND	0.050		mg/L	1	11/30/2010 11:32:19 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 11:32:19 AM
Manganese	0.0066	0.0020		mg/L	1	11/30/2010 11:32:19 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 11:32:19 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 6:36:31 PM
Zinc	ND	0.020		mg/L	1	11/30/2010 11:32:19 AM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Toluene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 2:33:33 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 2:33:33 AM
Acetone	ND	10		µg/L	1	11/19/2010 2:33:33 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Bromoform	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Bromomethane	ND	3.0		µg/L	1	11/19/2010 2:33:33 AM
2-Butanone	ND	10		µg/L	1	11/19/2010 2:33:33 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2010 2:33:33 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
Chloroform	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Chloromethane	ND	3.0		µg/L	1	11/19/2010 2:33:33 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011631
Project: 4th Qtr 2010
Lab ID: 1011631-02

Client Sample ID: OW-01
Collection Date: 11/10/2010 2:31:00 PM
Date Received: 11/12/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
2-Hexanone	ND	10		µg/L	1	11/19/2010 2:33:33 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2010 2:33:33 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2010 2:33:33 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Styrene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2010 2:33:33 AM
Surr: 1,2-Dichloroethane-d4	104	77.7-113		%REC	1	11/19/2010 2:33:33 AM
Surr: 4-Bromofluorobenzene	106	76.4-106	S	%REC	1	11/19/2010 2:33:33 AM
Surr: Dibromofluoromethane	105	91.6-125		%REC	1	11/19/2010 2:33:33 AM
Surr: Toluene-d8	98.8	92.3-107		%REC	1	11/19/2010 2:33:33 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011631	**Collection Date:**	11/10/2010 10:00:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Toluene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 3:52:14 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 3:52:14 AM
Acetone	ND	10		µg/L	1	11/19/2010 3:52:14 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Bromoform	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Bromomethane	ND	3.0		µg/L	1	11/19/2010 3:52:14 AM
2-Butanone	ND	10		µg/L	1	11/19/2010 3:52:14 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2010 3:52:14 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
Chloroform	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Chloromethane	ND	3.0		µg/L	1	11/19/2010 3:52:14 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011631
Project: 4th Qtr 2010
Lab ID: 1011631-03

Client Sample ID: Field Blank
Collection Date: 11/10/2010 10:00:00 AM
Date Received: 11/12/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
2-Hexanone	ND	10		µg/L	1	11/19/2010 3:52:14 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2010 3:52:14 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2010 3:52:14 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Styrene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2010 3:52:14 AM
Surr: 1,2-Dichloroethane-d4	96.8	77.7-113		%REC	1	11/19/2010 3:52:14 AM
Surr: 4-Bromofluorobenzene	104	76.4-106		%REC	1	11/19/2010 3:52:14 AM
Surr: Dibromofluoromethane	104	91.6-125		%REC	1	11/19/2010 3:52:14 AM
Surr: Toluene-d8	97.9	92.3-107		%REC	1	11/19/2010 3:52:14 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:35:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	63	1.0		mg/L	1	11/16/2010 6:29:12 PM
Motor Oil Range Organics (MRO)	6.2	5.0		mg/L	1	11/16/2010 6:29:12 PM
Surr: DNOP	124	86.9-151		%REC	1	11/16/2010 6:29:12 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	100	5.0		mg/L	100	11/18/2010 8:17:43 PM
Surr: BFB	108	84.5-118		%REC	100	11/18/2010 8:17:43 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/17/2010 1:26:46 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 9:46:42 AM
Barium	0.33	0.020		mg/L	1	11/30/2010 9:46:42 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 9:46:42 AM
Chromium	0.046	0.0060		mg/L	1	11/30/2010 9:46:42 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 9:46:42 AM
Iron	0.16	0.020		mg/L	1	11/30/2010 9:46:42 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 9:46:42 AM
Manganese	0.59	0.0020		mg/L	1	11/30/2010 9:46:42 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 9:46:42 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 9:46:42 AM
Zinc	ND	0.050		mg/L	1	11/30/2010 9:46:42 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	11/30/2010 11:37:05 AM
Barium	0.94	0.10		mg/L	5	11/30/2010 11:37:05 AM
Cadmium	ND	0.010		mg/L	5	11/30/2010 11:37:05 AM
Chromium	0.12	0.030		mg/L	5	11/30/2010 11:37:05 AM
Copper	ND	0.030		mg/L	5	11/30/2010 11:37:05 AM
Iron	1.1	0.25		mg/L	5	11/30/2010 11:37:05 AM
Lead	ND	0.025		mg/L	5	11/30/2010 11:37:05 AM
Manganese	1.6	0.010		mg/L	5	11/30/2010 11:37:05 AM
Selenium	ND	0.25		mg/L	5	11/30/2010 11:37:05 AM
Silver	ND	0.025		mg/L	5	11/30/2010 6:42:40 PM
Zinc	ND	0.10		mg/L	5	11/30/2010 11:37:05 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	10000	500		µg/L	500	11/19/2010 4:18:26 AM
Toluene	28000	500		µg/L	500	11/19/2010 4:18:26 AM
Ethylbenzene	1300	50		µg/L	50	11/19/2010 4:44:35 AM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011631
Project: 4th Qtr 2010
Lab ID: 1011631-04

Client Sample ID: East LDU
Collection Date: 11/11/2010 10:35:00 AM
Date Received: 11/12/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: RAA
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	11/19/2010 4:44:35 AM
Xylenes, Total	9000	100		µg/L	50	11/19/2010 4:44:35 AM
Surr: 4-Bromofluorobenzene	98.0	76.4-106		%REC	50	11/19/2010 4:44:35 AM

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:20:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	16	1.0		mg/L	1	11/16/2010 7:03:20 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/16/2010 7:03:20 PM
Surr: DNOP	122	86.9-151		%REC	1	11/16/2010 7:03:20 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	67	2.5		mg/L	50	11/18/2010 9:15:39 PM
Surr: BFB	108	84.5-118		%REC	50	11/18/2010 9:15:39 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/17/2010 1:28:32 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 9:52:38 AM
Barium	0.56	0.020		mg/L	1	11/30/2010 9:52:38 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 9:52:38 AM
Chromium	0.18	0.0060		mg/L	1	11/30/2010 9:52:38 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 9:52:38 AM
Iron	0.22	0.020		mg/L	1	11/30/2010 9:52:38 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 9:52:38 AM
Manganese	0.81	0.0020		mg/L	1	11/30/2010 9:52:38 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 9:52:38 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 9:52:38 AM
Zinc	ND	0.050		mg/L	1	11/30/2010 9:52:38 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 11:40:16 AM
Barium	0.50	0.020		mg/L	1	11/30/2010 11:40:16 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 11:40:16 AM
Chromium	0.15	0.0060		mg/L	1	11/30/2010 11:40:16 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 11:40:16 AM
Iron	0.66	0.050		mg/L	1	11/30/2010 11:40:16 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 11:40:16 AM
Manganese	0.68	0.0020		mg/L	1	11/30/2010 11:40:16 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 11:40:16 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 6:45:55 PM
Zinc	ND	0.020		mg/L	1	11/30/2010 11:40:16 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	7000	100		µg/L	100	11/19/2010 5:10:50 AM
Toluene	18000	200		µg/L	200	11/20/2010 3:19:49 AM
Ethylbenzene	900	10		µg/L	10	11/19/2010 5:37:17 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:20:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/19/2010 5:37:17 AM
Xylenes, Total	6100	200		µg/L	100	11/19/2010 5:10:50 AM
Surr: 4-Bromofluorobenzene	104	76.4-106		%REC	10	11/19/2010 5:37:17 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:45:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	390	30		mg/L	1	11/16/2010 7:37:27 PM
Motor Oil Range Organics (MRO)	ND	150		mg/L	1	11/16/2010 7:37:27 PM
Surr: DNOP	117	86.9-151		%REC	1	11/16/2010 7:37:27 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	110	10		mg/L	200	11/18/2010 10:13:24 PM
Surr: BFB	110	84.5-118		%REC	200	11/18/2010 10:13:24 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	0.017	0.00080		mg/L	2	11/17/2010 1:42:26 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 9:56:54 AM
Barium	0.19	0.020		mg/L	1	11/30/2010 9:56:54 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 9:56:54 AM
Chromium	0.037	0.0060		mg/L	1	11/30/2010 9:56:54 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 9:56:54 AM
Iron	0.15	0.020		mg/L	1	11/30/2010 9:56:54 AM
Lead	0.0075	0.0050		mg/L	1	11/30/2010 9:56:54 AM
Manganese	1.2	0.010		mg/L	5	11/30/2010 12:27:18 PM
Selenium	ND	0.050		mg/L	1	11/30/2010 9:56:54 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 9:56:54 AM
Zinc	ND	0.050		mg/L	1	11/30/2010 9:56:54 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	1	11/30/2010 11:44:31 AM
Barium	7.2	0.50		mg/L	5	11/30/2010 6:57:52 PM
Cadmium	ND	0.010		mg/L	1	11/30/2010 11:44:31 AM
Chromium	0.18	0.030		mg/L	1	11/30/2010 11:44:31 AM
Copper	0.25	0.030		mg/L	1	11/30/2010 11:44:31 AM
Iron	150	13		mg/L	50	11/30/2010 7:00:45 PM
Lead	0.11	0.025		mg/L	1	11/30/2010 11:44:31 AM
Manganese	2.3	0.010		mg/L	1	11/30/2010 11:44:31 AM
Selenium	ND	0.25		mg/L	1	11/30/2010 11:44:31 AM
Silver	ND	0.025		mg/L	1	11/30/2010 6:54:53 PM
Zinc	7.9	0.50		mg/L	5	11/30/2010 6:57:52 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	8800	200		µg/L	200	11/19/2010 6:30:22 AM
Toluene	19000	200		µg/L	200	11/19/2010 6:30:22 AM
Ethylbenzene	1600	200		µg/L	200	11/19/2010 6:30:22 AM

Qualifiers:

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

.ll Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:45:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	200		µg/L	200	11/19/2010 6:30:22 AM
Xylenes, Total	10000	400		µg/L	200	11/19/2010 6:30:22 AM
Surr: 4-Bromofluorobenzene	104	76.4-106		%REC	200	11/19/2010 6:30:22 AM

ıalifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip blank
Lab Order:	1011631	**Collection Date:**	
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Toluene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 7:22:39 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 7:22:39 AM
Acetone	ND	10		µg/L	1	11/19/2010 7:22:39 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Bromoform	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Bromomethane	ND	3.0		µg/L	1	11/19/2010 7:22:39 AM
2-Butanone	ND	10		µg/L	1	11/19/2010 7:22:39 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2010 7:22:39 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
Chloroform	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Chloromethane	ND	3.0		µg/L	1	11/19/2010 7:22:39 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011631
Project: 4th Qtr 2010
Lab ID: 1011631-07

Client Sample ID: Trip blank
Collection Date:
Date Received: 11/12/2010
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
2-Hexanone	ND	10		µg/L	1	11/19/2010 7:22:39 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2010 7:22:39 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2010 7:22:39 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Styrene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
?,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2010 7:22:39 AM
Surr: 1,2-Dichloroethane-d4	103	77.7-113		%REC	1	11/19/2010 7:22:39 AM
Surr: 4-Bromofluorobenzene	109	76.4-106	S	%REC	1	11/19/2010 7:22:39 AM
Surr: Dibromofluoromethane	109	91.6-125		%REC	1	11/19/2010 7:22:39 AM
Surr: Toluene-d8	104	92.3-107		%REC	1	11/19/2010 7:22:39 AM

liflers:

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011631
Lab ID: B10111628-001
Client Sample ID 1011631-01D-01F, OW-10

Report Date: 12/01/10
Collection Date: 11/10/10 12:15
DateReceived: 11/18/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.051	mg/L		0.001		SW6020	11/19/10 20:31 / tao
METALS, TOTAL							
Uranium	0.052	mg/L		0.001		SW6020	11/30/10 19:54 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011631
Lab ID: B10111628-002
Client Sample ID 1011631-02D-02F, OW-01

Report Date: 12/01/10
Collection Date: 11/10/10 14:31
DateReceived: 11/18/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.040	mg/L		0.001		SW6020	11/19/10 21:08 / tao
METALS, TOTAL							
Uranium	0.039	mg/L		0.001		SW6020	11/30/10 19:58 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011631
Lab ID: B10111628-003
Client Sample ID 1011631-04D-04F, East LDU

Report Date: 12/01/10
Collection Date: 11/11/10 10:35
DateReceived: 11/18/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/19/10 21:12 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/30/10 20:19 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011631
Lab ID: B10111628-004
Client Sample ID 1011631-05D-05F, West LDU

Report Date: 12/01/10
Collection Date: 11/11/10 10:20
DateReceived: 11/18/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/19/10 21:20 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/30/10 20:23 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011631
Lab ID: B10111628-005
Client Sample ID 1011631-06D-06F, Oil Sump LDU

Report Date: 12/01/10
Collection Date: 11/11/10 10:45
DateReceived: 11/18/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/19/10 21:24 / tao
METALS, TOTAL							
Uranium	ND	mg/L	D	0.004		SW6020	11/30/10 20:27 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011631

Report Date: 12/01/10
Work Order: B10111628

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_101119A	
Sample ID: ICSA-ME101101C	Interference Check Sample A							11/19/10 09:43	
Uranium	2.90E-05	mg/L	0.00030						
Sample ID: ICSAB-ME101101C, 1001	Interference Check Sample AB							11/19/10 09:47	
Uranium	5.00E-06	mg/L	0.00030		0	0			
Sample ID: QCS - 100607A,101012A,	Initial Calibration Verification Standard							11/19/10 09:51	
Uranium	0.0211	mg/L	0.00030	105	90	110			
Method: SW6020								Batch: R157528	
Sample ID: ***B10111628-001AMS***	*Sample Matrix Spike*				*Run:* ICPMS202-B_101119A			11/19/10 20:35	
Uranium	0.291	mg/L	0.0010	96	75	125			
Sample ID: B10111628-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_101119A			11/19/10 20:39	
Uranium	0.294	mg/L	0.0010	97	75	125	1.1	20	
Sample ID: B10111628-003ADIL	Serial Dilution				Run: ICPMS202-B_101119A			11/19/10 21:16	
Uranium	ND	mg/L	0.0010		0	0			
ple ID: LFB	Laboratory Fortified Blank				Run: ICPMS202-B_101119A			11/19/10 10:24	
nium	0.0483	mg/L	0.00030	97	85	115			
Sample ID: LRB	Method Blank				Run: ICPMS202-B_101119A			11/19/10 11:46	
Uranium	ND	mg/L	2E-05						

Qualifiers:

Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011631

Report Date: 12/01/10
Work Order: B10111628

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_101129B	
Sample ID: QCS - 100607A,101012A,	Initial Calibration Verification Standard							11/30/10 16:53	
Uranium	*0.0183*	*mg/L*	*0.00030*	*91*	*90*	*110*			
Sample ID: ICSA-ME101101C	Interference Check Sample A							11/30/10 16:57	
Uranium	1.70E-05	mg/L	0.00030						
Sample ID: ICSAB-ME101101C, 1001	Interference Check Sample AB							11/30/10 17:01	
Uranium	9.00E-06	mg/L	0.00030		0	0			
Method: SW6020								Batch: 50681	
Sample ID: MB-50681	Method Blank				Run: ICPMS202-B_101129B			11/29/10 22:20	
Uranium	3E-05	mg/L	2E-05						
Sample ID: B10111603-002ADIL	Serial Dilution				Run: ICPMS202-B_101129B			11/29/10 22:49	
Uranium	0.00125	mg/L	0.0010		0	0		10	N
Sample ID: LCS-50681	Laboratory Control Sample				Run: ICPMS202-B_101129B			11/30/10 00:12	
Uranium	0.510	mg/L	0.0010	102	85	115			
Sample ID: B10111603-002AMS	Sample Matrix Spike				Run: ICPMS202-B_101129B			11/30/10 00:15	
Uranium	0.512	mg/L	0.0010	102	75	125			
Sample ID: B10111603-002AMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_101129B			11/30/10 00:19	
Uranium	0.522	mg/L	0.0010	104	75	125	2.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID: **R42177**		Analysis Date: 11/16/2010 2:25:36 PM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R42310**		Analysis Date: 11/22/2010 11:00:57 AM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R42177**		Analysis Date: 11/16/2010 2:43:01 PM			
Fluoride	0.4777	mg/L	0.10	0.5	0	95.5	90	110			
Chloride	5.022	mg/L	0.50	5	0	100	90	110			
Nitrate (As N)+Nitrite (As N)	3.622	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	4.961	mg/L	0.50	5	0	99.2	90	110			
Sulfate	10.13	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R42310**		Analysis Date: 11/22/2010 11:18:22 AM			
Fluoride	0.5142	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.795	mg/L	0.50	5	0	95.9	90	110			
Nitrate (As N)+Nitrite (As N)	3.479	mg/L	0.20	3.5	0	99.4	90	110			
Sulfate	9.929	mg/L	0.50	10	0	99.3	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24530		*MBLK*				Batch ID: **24530**		Analysis Date: 11/16/2010 11:20:59 AM			
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24530		*LCS*				Batch ID: **24530**		Analysis Date: 11/16/2010 11:55:06 AM			
Diesel Range Organics (DRO)	5.491	mg/L	1.0	5	0	110	74	157			
Sample ID: LCSD-24530		*LCSD*				Batch ID: **24530**		Analysis Date: 11/16/2010 12:29:12 PM			
Diesel Range Organics (DRO)	5.939	mg/L	1.0	5	0	119	74	157	7.84	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID: **R42238**		Analysis Date: 11/18/2010 8:55:08 AM			
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID: **R42238**		Analysis Date: 11/18/2010 4:55:07 PM			
Gasoline Range Organics (GRO)	0.4338	mg/L	0.050	0.5	0	86.8	83.7	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID: **R42238**		Analysis Date: 11/18/2010 5:24:03 PM			
Gasoline Range Organics (GRO)	0.5346	mg/L	0.050	0.5	0	107	83.7	124	20.8	12	R

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260: Volatiles Short List											
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R42242**	Analysis Date:		11/18/2010 8:57:28 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: b5		*MBLK*				Batch ID:	**R42242**	Analysis Date:		11/18/2010 7:59:58 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								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: b3		*MBLK*				Batch ID:	**R42258**	Analysis Date:		11/19/2010 8:54:05 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								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42242**	Analysis Date:		11/18/2010 10:21:32 AM	
Benzene	18.08	µg/L	1.0	20	0	90.4	84.6	109			
Toluene	19.38	µg/L	1.0	20	0	96.9	81	114			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42242**	Analysis Date:		11/18/2010 8:52:51 PM	
Benzene	19.03	µg/L	1.0	20	0	95.2	84.6	109			
Toluene	17.94	µg/L	1.0	20	0	89.7	81	114			
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R42258**	Analysis Date:		11/19/2010 9:49:14 PM	
Benzene	18.38	µg/L	1.0	20	0	91.9	84.6	109			
Toluene	20.30	µg/L	1.0	20	0	101	81	114			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1011631-02a msd		*MSD*				Batch ID: **R42242**		Analysis Date:		11/19/2010 3:25:51 AM	
Benzene	19.09	µg/L	1.0	20	0	95.4	73.1	117	1.51	11.3	
Toluene	18.24	µg/L	1.0	20	0	91.2	82.9	109	2.33	11.6	
Chlorobenzene	18.21	µg/L	1.0	20	0	91.1	87.5	110	5.72	10.6	
1,1-Dichloroethene	18.93	µg/L	1.0	20	0	94.7	66.2	131	4.52	14.4	
Trichloroethene (TCE)	18.83	µg/L	1.0	20	0	94.2	67.1	110	1.55	11.2	
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R42242**		Analysis Date:		11/18/2010 8:57:28 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Benzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
				Batch ID:	**R42242**	Analysis Date:		11/18/2010 8:57:28 AM			
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b5		*MBLK*									
				Batch ID:	**R42242**	Analysis Date:		11/18/2010 7:59:58 PM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b5		*MBLK*					Batch ID: **R42242**		Analysis Date: 11/18/2010 7:59:58 PM		
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dich[redacted]fluoromethane	ND	µg/L	1.0								
1,[redacted]roethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b5		*MBLK*					Batch ID: **R42242**		Analysis Date:	11/18/2010 7:59:58 PM	
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml-rb		*MBLK*					Batch ID: **R42258**		Analysis Date:	11/19/2010 8:58:35 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 Work Order: 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R42258**		Analysis Date: 11/19/2010 8:58:35 AM			
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								
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								
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: [redacted] b3		*MBLK*				Batch ID: **R42258**		Analysis Date: 11/19/2010 8:54:05 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								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*				**Batch ID: R42258**		**Analysis Date: 11/19/2010 8:54:05 PM**			
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								
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								
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: R42242**		**Analysis Date: 11/18/2010 10:21:32 AM**			
Benzene	18.08	µg/L	1.0	20	0	90.4	84.6	109			
Toluene	19.38	µg/L	1.0	20	0	96.9	81	114			
Chlorobenzene	19.48	µg/L	1.0	20	0	97.4	85.2	113			
1,1-Dichloroethene	17.71	µg/L	1.0	20	0	88.5	79.6	124			
Trichloroethene (TCE)	17.66	µg/L	1.0	20	0	88.3	78.3	102			
Sample ID: 100ng lcs		*LCS*				**Batch ID: R42242**		**Analysis Date: 11/18/2010 8:52:51 PM**			
Benzene	19.03	µg/L	1.0	20	0	95.2	84.6	109			
Toluene	17.94	µg/L	1.0	20	0	89.7	81	114			
Chlorobenzene	18.37	µg/L	1.0	20	0	91.9	85.2	113			
1,1-Dichloroethene	18.78	µg/L	1.0	20	0	93.9	79.6	124			
Trichloroethene (TCE)	18.37	µg/L	1.0	20	0	91.8	78.3	102			
Sample ID: 100ng lcs		*LCS*				**Batch ID: R42258**		**Analysis Date: 11/19/2010 10:17:43 AM**			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 Work Order: 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42258**	Analysis Date:	11/19/2010 10:17:43 AM		
Benzene	18.48	µg/L	1.0	20	0	92.4	84.6	109			
Toluene	22.14	µg/L	1.0	20	0	111	81	114			
Chlorobenzene	22.14	µg/L	1.0	20	0	111	85.2	113			
1,1-Dichloroethene	20.66	µg/L	1.0	20	0	103	79.6	124			
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R42258**	Analysis Date:	11/19/2010 9:49:14 PM		
Benzene	18.38	µg/L	1.0	20	0	91.9	84.6	109			
Toluene	20.30	µg/L	1.0	20	0	101	81	114			
Chlorobenzene	20.26	µg/L	1.0	20	0	101	85.2	113			
1,1-Dichloroethene	19.96	µg/L	1.0	20	0	99.8	79.6	124			
Sample ID: 1011631-02a ms		*MS*				Batch ID:	**R42242**	Analysis Date:	11/19/2010 2:59:40 AM		
Benzene	19.38	µg/L	1.0	20	0	96.9	73.1	117			
Toluene	18.67	µg/L	1.0	20	0	93.3	82.9	109			
Chlorobenzene	19.28	µg/L	1.0	20	0	96.4	87.5	110			
1,1-Dichloroethene	19.81	µg/L	1.0	20	0	99.0	66.2	131			
Trichloroethene (TCE)	18.54	µg/L	1.0	20	0	92.7	67.1	110			
Method: EPA Method 7470: Mercury											
Sample ID: MB-24552		*MBLK*				Batch ID:	**24552**	Analysis Date:	11/17/2010 12:58:03 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24552		*LCS*				Batch ID:	**24552**	Analysis Date:	11/17/2010 12:59:52 PM		
Mercury	0.005211	mg/L	0.00020	0.005	0	104	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R42402**	Analysis Date:	11/30/2010 8:52:57 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	*ND*	*mg/L*	*0.050*								
Sample ID: MB		*MBLK*				Batch ID:	**R42480**	Analysis Date:	12/3/2010 11:44:23 AM		
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID:	**R42402**	Analysis Date:	11/30/2010 8:56:04 AM		
Arsenic	0.5309	mg/L	0.020	0.5	0	106	80	120			
Barium	0.5234	mg/L	0.020	0.5	0.0006	105	80	120			
Cadmium	0.5349	mg/L	0.0020	0.5	0	107	80	120			
Calcium	53.91	mg/L	1.0	50.5	0.0397	107	80	120			
Chromium	0.5265	mg/L	0.0060	0.5	0	105	80	120			
Copper	0.5628	mg/L	0.0060	0.5	0	113	80	120			
Iron	0.5366	mg/L	0.020	0.5	0	107	80	120			
Lead	0.5426	mg/L	0.0050	0.5	0	109	80	120			
Magnesium	53.76	mg/L	1.0	50.5	0.0407	106	80	120			
Manganese	0.5229	mg/L	0.0020	0.5	0	105	80	120			
Potassium	55.65	mg/L	1.0	55	0	101	80	120			
Selenium	0.4989	mg/L	0.050	0.5	0	99.8	80	120			
Silver	0.5274	mg/L	0.0050	0.5	0	105	80	120			
Sodium	52.32	mg/L	1.0	50.5	0.0742	103	80	120			
Zinc	0.5300	mg/L	0.050	0.5	0	106	80	120			
Sample ID: LCSRR		*LCS*				Batch ID:	**R42402**	Analysis Date:	11/30/2010 8:59:13 AM		
Arsenic	0.5302	mg/L	0.020	0.5	0	106	80	120	0.138	0	
Barium	0.5251	mg/L	0.020	0.5	0.0006	105	80	120	0.328	0	
Cadmium	0.5408	mg/L	0.0020	0.5	0	108	80	120	1.10	0	
Calcium	53.59	mg/L	1.0	50.5	0.0397	106	80	120	0.608	0	
Chromium	0.5336	mg/L	0.0060	0.5	0	107	80	120	1.33	0	
Copper	*0.5580*	*mg/L*	*0.0060*	*0.5*	*0*	*112*	*80*	*120*	*0.846*	*0*	
Iron	0.5285	mg/L	0.020	0.5	0	106	80	120	1.51	0	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCSRR		*LCS*				Batch ID:	**R42402**	Analysis Date:		11/30/2010 8:59:13 AM	
Lead	0.5474	mg/L	0.0050	0.5	0	109	80	120	0.872	0	
Magnesium	53.22	mg/L	1.0	50.5	0.0407	105	80	120	1.01	0	
Manganese	0.5238	mg/L	0.0020	0.5	0	105	80	120	0.167	0	
Potassium	55.05	mg/L	1.0	55	0	100	80	120	1.08	0	
Selenium	0.5020	mg/L	0.050	0.5	0	100	80	120	0.623	0	
Silver	0.5245	mg/L	0.0050	0.5	0	105	80	120	0.550	0	
Sodium	51.69	mg/L	1.0	50.5	0.0742	102	80	120	1.21	0	
Zinc	0.5378	mg/L	0.050	0.5	0	108	80	120	1.46	0	
Sample ID: LCS		*LCS*				Batch ID:	**R42480**	Analysis Date:		12/3/2010 11:46:45 AM	
Calcium	50.64	mg/L	1.0	50.5	0	100	80	120			
Magnesium	48.19	mg/L	1.0	50.5	0	95.4	80	120			
Potassium	44.83	mg/L	1.0	55	0	81.5	80	120			
Sodium	44.04	mg/L	1.0	50.5	0.1433	86.9	80	120			
Sample ID: LCSRR		*LCS*				Batch ID:	**R42480**	Analysis Date:		12/3/2010 1:48:00 PM	
Calcium	50.54	mg/L	1.0	50.5	0	100	80	120	0.211	0	
Magnesium	47.60	mg/L	1.0	50.5	0	94.3	80	120	1.24	0	
Potassium	44.23	mg/L	1.0	55	0	80.4	80	120	1.36	0	
Sodium	43.73	mg/L	1.0	50.5	0.1433	86.3	80	120	0.718	0	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-24625		*MBLK*				Batch ID:	**24625**	Analysis Date:	11/24/2010 4:41:49 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Lead	ND	mg/L	0.0050								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sample ID: MB-24625		*MBLK*				Batch ID:	**24625**	Analysis Date:	11/30/2010 9:02:20 AM		
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Manganese	ND	mg/L	0.0020								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-24625		*LCS*				Batch ID:	**24625**	Analysis Date:	11/24/2010 4:44:52 PM		
Arsenic	0.5448	mg/L	0.020	0.5	0	109	80	120			
Barium	0.5232	mg/L	0.020	0.5	0	105	80	120			
Cadmium	0.5241	mg/L	0.0020	0.5	0	105	80	120			
Chromium	0.5405	mg/L	0.0060	0.5	0	108	80	120			
Iron	0.5656	mg/L	0.050	0.5	0	113	80	120			
Lead	0.5395	mg/L	0.0050	0.5	0	108	80	120			
Selenium	0.5142	mg/L	0.050	0.5	0	103	80	120			
Silver	0.5023	mg/L	0.0050	0.5	0	100	80	120			
Sample ID: LCS-24625		*LCS*				Batch ID:	**24625**	Analysis Date:	11/30/2010 9:05:44 AM		
Barium	0.5442	mg/L	0.020	0.5	0	109	80	120			
Cadmium	0.5531	mg/L	0.0020	0.5	0.0003	111	80	120			
Chromium	0.5455	mg/L	0.0060	0.5	0	109	80	120			
Copper	0.5984	mg/L	0.0060	0.5	0	120	80	120			
Iron	0.5404	mg/L	0.050	0.5	0	108	80	120			
Lead	0.5591	mg/L	0.0050	0.5	0	112	80	120			
Manganese	0.5427	mg/L	0.0020	0.5	0.0001	109	80	120			
Silver	0.5425	mg/L	0.0050	0.5	0.0006	108	80	120			
Zinc	0.5509	mg/L	0.020	0.5	0.0019	110	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU — Date Received: 11/12/2010

Work Order Number 1011631 — Received by: LNM

Checklist completed by: _____ 11/16/10 — Sample ID labels checked by: _____

Signature — Date — Initials

Matrix: — Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	3.0°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Added 0.4 mL HNO3 to vial #5E+5F, added 1 mL HNO3 to vial #5C, 5D, UC and LCD to get to acceptable pH level for proper analysis. JAG 11/16/10

Corrective Action _____

Chain-of-Custody Record

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

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 4th QTR 2010
Project #: OW + LDU
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☑ Yes ☐ No
Sample Temperature: 3.0

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	WQCC Metals - Total	" - DSS (Filtered)	Major Cat IONS/Anions	Air Bubbles (Y or N)
11/10/10	1215	H2O	OW-10			1011631-1			X							X		X	X	X	
	1431		OW-01			-2			X							X		X	X	X	
11/10/10	1000		Field Blank			-3										X					
11/11/10	1035		East LDU			-4	X		X									X	X		
/	1020		West LDU			-5	|		|									|	|		
/	1045		Oil Sump LDU			-6	|		|									|	|		
			Trip Blank (2)			-7										X					

Date: 11/10/10 Time: 1145 Relinquished by:
Date: 11/10/10 Time: 1650 Relinquished by:
Received by: Date 11/12/10 Time 1350
Received by: Date Time

Remarks: OW-01 same tests as OW-10 as per Cheryl on 11/16/10 dam.

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.

OW-1, 10

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, March 31, 2010

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

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

RE: 1st Qtr 2010

Order No.: 1003411

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 3/17/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

01, 1-WC

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1003411	**Collection Date:**	3/15/2010 12:36:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003411-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/23/2010 7:59:48 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/23/2010 7:59:48 PM
Surr: DNOP	132	58-140		%REC	1	3/23/2010 7:59:48 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.064	0.050		mg/L	1	3/24/2010 10:49:54 PM
Surr: BFB	81.1	55.2-107		%REC	1	3/24/2010 10:49:54 PM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	0.40	0.10		mg/L	1	3/17/2010 10:52:19 PM
Chloride	390	25		mg/L	50	3/29/2010 10:13:41 PM
Bromide	0.70	0.10		mg/L	1	3/17/2010 10:52:19 PM
Nitrate (As N)+Nitrite (As N)	2.2	1.0		mg/L	5	3/30/2010 5:46:21 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/17/2010 10:52:19 PM
Sulfate	150	10		mg/L	20	3/17/2010 11:44:31 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.00020		mg/L	1	3/22/2010 3:06:53 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	3/22/2010 12:37:43 PM
Barium	0.044	0.020		mg/L	1	3/22/2010 12:37:43 PM
Cadmium	ND	0.0020		mg/L	1	3/22/2010 12:37:43 PM
Calcium	48	1.0		mg/L	1	3/22/2010 12:37:43 PM
Chromium	ND	0.0060		mg/L	1	3/22/2010 12:37:43 PM
Copper	ND	0.0060		mg/L	1	3/22/2010 12:37:43 PM
Iron	ND	0.020		mg/L	1	3/22/2010 12:37:43 PM
Lead	ND	0.0050		mg/L	1	3/22/2010 12:37:43 PM
Magnesium	6.7	1.0		mg/L	1	3/22/2010 12:37:43 PM
Manganese	0.012	0.0020		mg/L	1	3/22/2010 12:37:43 PM
Potassium	ND	1.0		mg/L	1	3/22/2010 12:37:43 PM
Selenium	ND	0.050		mg/L	1	3/22/2010 12:37:43 PM
Silver	ND	0.0050		mg/L	1	3/22/2010 12:37:43 PM
Sodium	420	5.0		mg/L	5	3/22/2010 2:26:50 PM
Zinc	ND	0.050		mg/L	1	3/22/2010 12:37:43 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	3/24/2010 11:51:40 AM
Barium	0.046	0.020		mg/L	1	3/24/2010 11:51:40 AM
Cadmium	ND	0.0020		mg/L	1	3/24/2010 11:51:40 AM
Chromium	ND	0.0060		mg/L	1	3/24/2010 11:51:40 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1003411	**Collection Date:**	3/15/2010 12:36:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003411-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Copper	ND	0.0060		mg/L	1	3/24/2010 11:51:40 AM
Iron	ND	0.050		mg/L	1	3/24/2010 11:51:40 AM
Lead	ND	0.0050		mg/L	1	3/24/2010 11:51:40 AM
Manganese	0.013	0.0020		mg/L	1	3/24/2010 11:51:40 AM
Selenium	ND	0.050		mg/L	1	3/24/2010 11:51:40 AM
Silver	ND	0.0050		mg/L	1	3/24/2010 11:51:40 AM
Zinc	ND	0.020		mg/L	1	3/24/2010 11:51:40 AM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Toluene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Ethylbenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Methyl tert-butyl ether (MTBE)	33	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Naphthalene	ND	2.0		µg/L	1	3/19/2010 11:45:07 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 11:45:07 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 11:45:07 PM
Acetone	ND	10		µg/L	1	3/19/2010 11:45:07 PM
Bromobenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Bromoform	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Bromomethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
2-Butanone	ND	10		µg/L	1	3/19/2010 11:45:07 PM
Carbon disulfide	ND	10		µg/L	1	3/19/2010 11:45:07 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Chlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Chloroethane	ND	2.0		µg/L	1	3/19/2010 11:45:07 PM
Chloroform	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Chloromethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/19/2010 11:45:07 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Dibromomethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1003411	**Collection Date:**	3/15/2010 12:36:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003411-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/19/2010 11:45:07 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
2-Hexanone	ND	10		µg/L	1	3/19/2010 11:45:07 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/19/2010 11:45:07 PM
Methylene Chloride	ND	3.0		µg/L	1	3/19/2010 11:45:07 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Styrene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/19/2010 11:45:07 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/19/2010 11:45:07 PM
Vinyl chloride	ND	1.0		µg/L	1	3/19/2010 11:45:07 PM
Xylenes, Total	ND	1.5		µg/L	1	3/19/2010 11:45:07 PM
Surr: 1,2-Dichloroethane-d4	80.6	54.6-141		%REC	1	3/19/2010 11:45:07 PM
Surr: 4-Bromofluorobenzene	103	60.1-133		%REC	1	3/19/2010 11:45:07 PM
Surr: Dibromofluoromethane	79.5	78.5-130		%REC	1	3/19/2010 11:45:07 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	3/19/2010 11:45:07 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1003411	**Collection Date:**	3/15/2010 3:15:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003411-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/22/2010 7:57:58 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/22/2010 7:57:58 AM
Surr: DNOP	121	58-140		%REC	1	3/22/2010 7:57:58 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/24/2010 11:50:48 PM
Surr: BFB	95.0	55.2-107		%REC	1	3/24/2010 11:50:48 PM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	0.33	0.10		mg/L	1	3/18/2010 12:01:55 AM
Chloride	58	10		mg/L	20	3/18/2010 12:19:20 AM
Bromide	0.24	0.10		mg/L	1	3/18/2010 12:01:55 AM
Nitrate (As N)+Nitrite (As N)	4.1	1.0		mg/L	5	3/30/2010 6:03:46 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/18/2010 12:01:55 AM
Sulfate	190	10		mg/L	20	3/18/2010 12:19:20 AM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.00020		mg/L	1	3/22/2010 3:08:43 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	3/22/2010 12:43:20 PM
Barium	0.028	0.020		mg/L	1	3/22/2010 12:43:20 PM
Cadmium	ND	0.0020		mg/L	1	3/22/2010 12:43:20 PM
Calcium	2.0	1.0		mg/L	1	3/22/2010 12:43:20 PM
Chromium	ND	0.0060		mg/L	1	3/22/2010 12:43:20 PM
Copper	ND	0.0060		mg/L	1	3/22/2010 12:43:20 PM
Iron	ND	0.020		mg/L	1	3/22/2010 12:43:20 PM
Lead	ND	0.0050		mg/L	1	3/22/2010 12:43:20 PM
Magnesium	ND	1.0		mg/L	1	3/22/2010 12:43:20 PM
Manganese	ND	0.0020		mg/L	1	3/22/2010 12:43:20 PM
Potassium	ND	1.0		mg/L	1	3/22/2010 12:43:20 PM
Selenium	ND	0.050		mg/L	1	3/22/2010 12:43:20 PM
Silver	ND	0.0050		mg/L	1	3/22/2010 12:43:20 PM
Sodium	280	5.0		mg/L	5	3/22/2010 2:29:40 PM
Zinc	ND	0.050		mg/L	1	3/22/2010 12:43:20 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	3/24/2010 11:58:31 AM
Barium	0.031	0.020		mg/L	1	3/24/2010 11:58:31 AM
Cadmium	ND	0.0020		mg/L	1	3/24/2010 11:58:31 AM
Chromium	ND	0.0060		mg/L	1	3/24/2010 11:58:31 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1003411	**Collection Date:**	3/15/2010 3:15:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003411-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Copper	ND	0.0060		mg/L	1	3/24/2010 11:58:31 AM
Iron	0.16	0.050		mg/L	1	3/24/2010 11:58:31 AM
Lead	ND	0.0050		mg/L	1	3/24/2010 11:58:31 AM
Manganese	0.012	0.0020		mg/L	1	3/24/2010 11:58:31 AM
Selenium	ND	0.050		mg/L	1	3/24/2010 11:58:31 AM
Silver	ND	0.0050		mg/L	1	3/24/2010 11:58:31 AM
Zinc	ND	0.020		mg/L	1	3/24/2010 11:58:31 AM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Toluene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Ethylbenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Naphthalene	ND	2.0		µg/L	1	3/20/2010 12:13:09 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/20/2010 12:13:09 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/20/2010 12:13:09 AM
Acetone	ND	10		µg/L	1	3/20/2010 12:13:09 AM
Bromobenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Bromodichloromethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Bromoform	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Bromomethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
2-Butanone	ND	10		µg/L	1	3/20/2010 12:13:09 AM
Carbon disulfide	ND	10		µg/L	1	3/20/2010 12:13:09 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Chlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Chloroethane	ND	2.0		µg/L	1	3/20/2010 12:13:09 AM
Chloroform	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Chloromethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
2-Chlorotoluene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
4-Chlorotoluene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
cis-1,2-DCE	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/20/2010 12:13:09 AM
Dibromochloromethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Dibromomethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1003411	**Collection Date:**	3/15/2010 3:15:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003411-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: DAM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/20/2010 12:13:09 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
2-Hexanone	ND	10		µg/L	1	3/20/2010 12:13:09 AM
Isopropylbenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/20/2010 12:13:09 AM
Methylene Chloride	ND	3.0		µg/L	1	3/20/2010 12:13:09 AM
n-Butylbenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
n-Propylbenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
sec-Butylbenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Styrene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
tert-Butylbenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/20/2010 12:13:09 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
trans-1,2-DCE	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/20/2010 12:13:09 AM
Vinyl chloride	ND	1.0		µg/L	1	3/20/2010 12:13:09 AM
Xylenes, Total	ND	1.5		µg/L	1	3/20/2010 12:13:09 AM
Surr: 1,2-Dichloroethane-d4	92.8	54.6-141		%REC	1	3/20/2010 12:13:09 AM
Surr: 4-Bromofluorobenzene	108	60.1-133		%REC	1	3/20/2010 12:13:09 AM
Surr: Dibromofluoromethane	85.2	78.5-130		%REC	1	3/20/2010 12:13:09 AM
Surr: Toluene-d8	102	79.5-126		%REC	1	3/20/2010 12:13:09 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1003411	**Collection Date:**	
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003411-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Toluene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Ethylbenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Naphthalene	ND	2.0		µg/L	1	3/20/2010 12:41:10 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/20/2010 12:41:10 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/20/2010 12:41:10 AM
Acetone	ND	10		µg/L	1	3/20/2010 12:41:10 AM
Bromobenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Bromodichloromethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Bromoform	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Bromomethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
2-Butanone	ND	10		µg/L	1	3/20/2010 12:41:10 AM
Carbon disulfide	ND	10		µg/L	1	3/20/2010 12:41:10 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Chlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Chloroethane	ND	2.0		µg/L	1	3/20/2010 12:41:10 AM
Chloroform	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Chloromethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
2-Chlorotoluene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
4-Chlorotoluene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
cis-1,2-DCE	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/20/2010 12:41:10 AM
Dibromochloromethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Dibromomethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/20/2010 12:41:10 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1003411	**Collection Date:**	
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003411-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
2-Hexanone	ND	10		µg/L	1	3/20/2010 12:41:10 AM
Isopropylbenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/20/2010 12:41:10 AM
Methylene Chloride	ND	3.0		µg/L	1	3/20/2010 12:41:10 AM
n-Butylbenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
n-Propylbenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
sec-Butylbenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Styrene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
tert-Butylbenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/20/2010 12:41:10 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
trans-1,2-DCE	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/20/2010 12:41:10 AM
Vinyl chloride	ND	1.0		µg/L	1	3/20/2010 12:41:10 AM
Xylenes, Total	ND	1.5		µg/L	1	3/20/2010 12:41:10 AM
Surr: 1,2-Dichloroethane-d4	90.4	54.6-141		%REC	1	3/20/2010 12:41:10 AM
Surr: 4-Bromofluorobenzene	108	60.1-133		%REC	1	3/20/2010 12:41:10 AM
Surr: Dibromofluoromethane	92.2	78.5-130		%REC	1	3/20/2010 12:41:10 AM
Surr: Toluene-d8	104	79.5-126		%REC	1	3/20/2010 12:41:10 AM

Qualifiers:

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

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100319026
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003411
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100319026-001	**Sampling Date**	3/15/2010	**Date/Time Received**	3/19/2010 10:20 AM
Client Sample ID	1003411-01D / OW-10	**Sampling Time**	12:36 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.0525	mg/L	0.001	3/24/2010	JTT	EPA 6020A	

Sample Number	100319026-002	**Sampling Date**	3/15/2010	**Date/Time Received**	3/19/2010 10:20 AM
Client Sample ID	1003411-01F / OW-10	**Sampling Time**	12:36 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.0497	mg/L	0.001	3/24/2010	JTT	EPA 6020A	

Sample Number	100319026-003	**Sampling Date**	3/15/2010	**Date/Time Received**	3/19/2010 10:20 AM
Client Sample ID	1003411-02D / OW-1	**Sampling Time**	3:15 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.0394	mg/L	0.001	3/24/2010	JTT	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

Anatek Labs, Inc.

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

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100319026
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003411
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100319026-004	**Sampling Date**	3/15/2010	**Date/Time Received**	3/19/2010 10:20 AM
Client Sample ID	1003411-02F / OW-1	**Sampling Time**	3:15 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.0379	mg/L	0.001	3/24/2010	JTT	EPA 6020A	

Authorized Signature

John Coddington, Lab Manager

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

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003411

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1003411-01BMSD		*MSD*				Batch ID: **R37827**		Analysis Date:		3/17/2010 11:27:07 PM	
Fluoride	0.8691	mg/L	0.10	0.5	0.3955	94.7	75.3	117	0.334	20	
Bromide	3.161	mg/L	0.10	2.5	0.7006	98.4	89	110	1.70	20	
Nitrate (As N)+Nitrite (As N)	3.671	mg/L	0.20	3.5	0.5617	88.8	72.5	119	1.82	20	
Phosphorus, Orthophosphate (As P)	5.055	mg/L	0.50	5	0	101	74.5	116	1.96	20	
Sample ID: MB		*MBLK*				Batch ID: **R37827**		Analysis Date:		3/17/2010 10:21:14 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R37827**		Analysis Date:		3/18/2010 2:21:12 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R37974**		Analysis Date:		3/29/2010 10:37:21 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R37981**		Analysis Date:		3/29/2010 3:15:51 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R37981**		Analysis Date:		3/30/2010 9:15:17 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R37827**		Analysis Date:		3/17/2010 10:38:39 AM	
Fluoride	0.5410	mg/L	0.10	0.5	0	108	90	110			
Chloride	4.952	mg/L	0.50	5	0	99.0	90	110			
Bromide	2.516	mg/L	0.10	2.5	0	101	90	110			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003411

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R37827**	Analysis Date:	3/17/2010 10:38:39 AM		
Nitrate (As N)+Nitrite (As N)	3.542	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.054	mg/L	0.50	5	0	101	90	110			
Sulfate	10.21	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37827**	Analysis Date:	3/18/2010 2:38:37 AM		
Chloride	5.158	mg/L	0.50	5	0	103	90	110			
Bromide	2.606	mg/L	0.10	2.5	0	104	90	110			
Nitrate (As N)+Nitrite (As N)	3.697	mg/L	0.20	3.5	0	106	90	110			
Phosphorus, Orthophosphate (As P)	5.304	mg/L	0.50	5	0	106	90	110			
Sulfate	10.68	mg/L	0.50	10	0	107	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37974**	Analysis Date:	3/29/2010 10:54:46 AM		
Fluoride	0.5384	mg/L	0.10	0.5	0	108	90	110			
Chloride	4.814	mg/L	0.50	5	0	96.3	90	110			
Bromide	2.374	mg/L	0.10	2.5	0	95.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.423	mg/L	0.20	3.5	0	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.950	mg/L	0.50	5	0	99.0	90	110			
Sulfate	10.25	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37981**	Analysis Date:	3/29/2010 3:33:15 PM		
Fluoride	0.5243	mg/L	0.10	0.5	0	105	90	110			
Chloride	4.921	mg/L	0.50	5	0	98.4	90	110			
Bromide	2.481	mg/L	0.10	2.5	0	99.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.479	mg/L	0.20	3.5	0	99.4	90	110			
Phosphorus, Orthophosphate (As P)	4.972	mg/L	0.50	5	0	99.4	90	110			
Sulfate	10.19	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37981**	Analysis Date:	3/30/2010 9:32:41 AM		
Fluoride	0.5260	mg/L	0.10	0.5	0	105	90	110			
Chloride	4.993	mg/L	0.50	5	0	99.9	90	110			
Bromide	2.526	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.534	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.087	mg/L	0.50	5	0	102	90	110			
Sulfate	10.38	mg/L	0.50	10	0	104	90	110			
Sample ID: 1003411-01BMS		*MS*				Batch ID:	**R37827**	Analysis Date:	3/17/2010 11:09:43 PM		
Fluoride	0.8662	mg/L	0.10	0.5	0.3955	94.1	75.3	117			
Bromide	3.108	mg/L	0.10	2.5	0.7006	96.3	89	110			
Nitrate (As N)+Nitrite (As N)	3.605	mg/L	0.20	3.5	0.5617	87.0	72.5	119			
Phosphorus, Orthophosphate (As P)	4.956	mg/L	0.50	5	0	99.1	74.5	116			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003411

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21685		*MBLK*				Batch ID:	**21685**	Analysis Date:		3/21/2010 8:36:20 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21685		*LCS*				Batch ID:	**21685**	Analysis Date:		3/21/2010 9:12:34 PM	
Diesel Range Organics (DRO)	7.632	mg/L	1.0	5	0	153	74	157			
Sample ID: LCSD-21685		*LCSD*				Batch ID:	**21685**	Analysis Date:		3/23/2010 3:15:31 PM	
Diesel Range Organics (DRO)	6.143	mg/L	1.0	5	0	123	74	157	21.6	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37912**	Analysis Date:		3/24/2010 8:36:12 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37912**	Analysis Date:		3/24/2010 6:17:10 PM	
Gasoline Range Organics (GRO)	0.5352	mg/L	0.050	0.5	0	107	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R37912**	Analysis Date:		3/24/2010 6:47:31 PM	
Gasoline Range Organics (GRO)	0.5388	mg/L	0.050	0.5	0	108	80	115	0.670	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003411

Method: EPA Method 8260B: VOLATILES
Sample ID: b2 *MBLK* Batch ID: R37844 Analysis Date: 3/19/2010 9:11:09 AM

Analyte	Result	Units	PQL	SPK Va	SPK ref	%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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003411

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*				Batch ID:	**R37844**	Analysis Date:	3/19/2010 9:11:09 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R37844**	Analysis Date:	3/19/2010 10:36:05 AM		
Benzene	19.60	µg/L	1.0	20	0	98.0	76.7	114			
Toluene	22.10	µg/L	1.0	20	0	111	78.4	117			
Chlorobenzene	20.71	µg/L	1.0	20	0	104	80.7	127			
1,1-Dichloroethene	22.96	µg/L	1.0	20	0	115	80.2	128			
Trichloroethene (TCE)	18.82	µg/L	1.0	20	0	94.1	77.4	115			
Method: EPA Method 7470: Mercury											
Sample ID: MB-21707		*MBLK*				Batch ID:	**21707**	Analysis Date:	3/22/2010 2:45:26 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-21707		*LCS*				Batch ID:	**21707**	Analysis Date:	3/22/2010 2:47:11 PM		
Mercury	0.005217	mg/L	0.00020	0.005	2E-05	104	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003411

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MBLK		*MBLK*				Batch ID: **R37871**		Analysis Date: 3/22/2010 12:17:47 PM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID: **R37871**		Analysis Date: 3/22/2010 12:20:33 PM			
Arsenic	0.4759	mg/L	0.020	0.5	0	95.2	80	120			
Barium	0.4601	mg/L	0.020	0.5	0	92.0	80	120			
Cadmium	0.4742	mg/L	0.0020	0.5	0	94.8	80	120			
Calcium	48.08	mg/L	1.0	50.5	0	95.2	80	120			
Chromium	0.4674	mg/L	0.0060	0.5	0	93.5	80	120			
Copper	0.4937	mg/L	0.0060	0.5	0	98.7	80	120			
Iron	0.4712	mg/L	0.020	0.5	0	94.2	80	120			
Lead	0.4733	mg/L	0.0050	0.5	0	94.7	80	120			
Magnesium	48.32	mg/L	1.0	50.5	0	95.7	80	120			
Manganese	0.4618	mg/L	0.0020	0.5	0	92.4	80	120			
Potassium	51.31	mg/L	1.0	55	0	93.3	80	120			
Selenium	0.4608	mg/L	0.050	0.5	0	92.2	80	120			
Silver	0.4778	mg/L	0.0050	0.5	0	95.6	80	120			
Sodium	47.37	mg/L	1.0	50.5	0	93.8	80	120			
Zinc	0.4631	mg/L	0.050	0.5	0	92.6	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003411

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-21728		*MBLK*				Batch ID:	**21728**	Analysis Date:	3/24/2010 11:30:15 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-21728		*LCS*				Batch ID:	**21728**	Analysis Date:	3/24/2010 11:33:05 AM		
Arsenic	0.5089	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4950	mg/L	0.020	0.5	0	99.0	80	120			
Cadmium	0.5045	mg/L	0.0020	0.5	0	101	80	120			
Chromium	0.5052	mg/L	0.0060	0.5	0.0018	101	80	120			
Copper	0.5502	mg/L	0.0060	0.5	0	110	80	120			
Iron	0.5061	mg/L	0.050	0.5	0.0309	95.1	80	120			
Lead	0.4975	mg/L	0.0050	0.5	0	99.5	80	120			
Manganese	0.4987	mg/L	0.0020	0.5	0	99.7	80	120			
Selenium	0.4965	mg/L	0.050	0.5	0	99.3	80	120			
Silver	0.5044	mg/L	0.0050	0.5	0	101	80	120			
Zinc	0.4925	mg/L	0.020	0.5	0	98.5	80	120			
Sample ID: LCS-21728		*LCS*				Batch ID:	**21728**	Analysis Date:	3/24/2010 11:36:04 AM		
Arsenic	0.5077	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4939	mg/L	0.020	0.5	0	98.8	80	120			
Cadmium	0.5015	mg/L	0.0020	0.5	0	100	80	120			
Chromium	0.5013	mg/L	0.0060	0.5	0.0018	99.9	80	120			
Copper	0.5510	mg/L	0.0060	0.5	0	110	80	120			
Iron	0.5101	mg/L	0.050	0.5	0.0309	95.8	80	120			
Lead	0.4984	mg/L	0.0050	0.5	0	99.7	80	120			
Manganese	0.4975	mg/L	0.0020	0.5	0	99.5	80	120			
Selenium	0.4973	mg/L	0.050	0.5	0	99.5	80	120			
Silver	0.5022	mg/L	0.0050	0.5	0	100	80	120			
Zinc	0.4915	mg/L	0.020	0.5	0	98.3	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/17/2010**

Work Order Number **1003411** Received by: **TLS**

Checklist completed by: _____ 3/17/10 Sample ID labels checked by: _____

Signature Date Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**4.0°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 10

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

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: 2010 1st QTR
Project #: OW-1, 10
Project Manager: G. Rajen
Sampler: C Johnson
On Ice: ☑ Yes ☐ No
Sample Temperature: 4.0

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1003941	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals WQCC Total	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC Metals - Diss	Major Cations, Anions			Air Bubbles (Y or N)
3/15/10	1236	H2O	OW-10	40ml-2	HCl	1			X													
				40ml-2	HCl	1										X						
				500ml-2	HNO3	1							X									
				125ml-2	HNO3	1												X				
				250ml-1	None	1													X			
				125ml-1	H2SO4	1													X			
	1515		OW-1	40ml-2	HCl	2			X													
				40ml-2	HCl	2										X						
				500ml-2	HNO3	2							X									
				125ml-2	HNO3	2												X				
				250ml-1	None	2													X			
				125ml-1	H2SO4	2													X			

Date: 3/15/10 Time: 1830 Relinquished by:
Received by: Date 3/17/10 Time 1000
Date: Time: Relinquished by:
Received by: Date Time

Remarks: Trip Blank - Added to Cooler. -3

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

OW-1, 10

COVER LETTER

Wednesday, October 13, 2010

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

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 3rd Qtr

Order No.: 1009A59

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 9/23/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1009A59	**Collection Date:**	9/21/2010 11:12:00 AM
Project:	3rd Qtr	**Date Received:**	9/23/2010
Lab ID:	1009A59-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/28/2010 11:11:13 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/28/2010 11:11:13 PM
Surr: DNOP	126	86.9-151		%REC	1	9/28/2010 11:11:13 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/29/2010 3:59:44 PM
Surr: BFB	109	79.9-117		%REC	1	9/29/2010 3:59:44 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.35	0.10		mg/L	1	10/5/2010 10:12:22 AM
Chloride	790	50		mg/L	100	10/5/2010 10:06:18 PM
Nitrate (As N)+Nitrite (As N)	ND	2.0		mg/L	10	10/5/2010 9:48:54 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/5/2010 10:12:22 AM
Sulfate	160	10		mg/L	20	10/5/2010 10:29:47 AM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:51:38 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/1/2010 3:03:34 PM
Barium	0.064	0.020		mg/L	1	10/1/2010 3:03:34 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 3:03:34 PM
Calcium	100	5.0		mg/L	5	10/1/2010 3:07:33 PM
Chromium	ND	0.0060		mg/L	1	10/1/2010 3:03:34 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 3:03:34 PM
Iron	ND	0.020		mg/L	1	10/1/2010 3:03:34 PM
Lead	ND	0.0050		mg/L	1	10/1/2010 3:03:34 PM
Magnesium	15	1.0		mg/L	1	10/1/2010 3:03:34 PM
Manganese	0.055	0.0020		mg/L	1	10/1/2010 3:03:34 PM
Potassium	1.8	1.0		mg/L	1	10/1/2010 3:03:34 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 3:03:34 PM
Silver	ND	0.0050		mg/L	1	10/4/2010 2:18:09 PM
Sodium	580	10		mg/L	10	10/4/2010 2:23:41 PM
Zinc	0.088	0.050		mg/L	1	10/1/2010 3:03:34 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/28/2010 5:39:32 PM
Barium	0.071	0.020		mg/L	1	9/28/2010 5:39:32 PM
Cadmium	ND	0.0020		mg/L	1	9/28/2010 5:39:32 PM
Chromium	ND	0.0060		mg/L	1	9/28/2010 5:39:32 PM
Copper	ND	0.0060		mg/L	1	9/28/2010 5:39:32 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1009A59	**Collection Date:**	9/21/2010 11:12:00 AM
Project:	3rd Qtr	**Date Received:**	9/23/2010
Lab ID:	1009A59-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	ND	0.050		mg/L	1	9/28/2010 5:39:32 PM
Lead	ND	0.0050		mg/L	1	9/28/2010 5:39:32 PM
Manganese	0.068	0.0020		mg/L	1	9/28/2010 5:39:32 PM
Selenium	ND	0.050		mg/L	1	9/28/2010 5:39:32 PM
Silver	ND	0.0050		mg/L	1	9/28/2010 5:39:32 PM
Zinc	ND	0.020		mg/L	1	9/28/2010 5:39:32 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Toluene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Ethylbenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Methyl tert-butyl ether (MTBE)	37	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Naphthalene	ND	2.0		µg/L	1	9/29/2010 7:19:35 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2010 7:19:35 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2010 7:19:35 PM
Acetone	ND	10		µg/L	1	9/29/2010 7:19:35 PM
Bromobenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Bromoform	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Bromomethane	ND	3.0		µg/L	1	9/29/2010 7:19:35 PM
2-Butanone	ND	10		µg/L	1	9/29/2010 7:19:35 PM
Carbon disulfide	ND	10		µg/L	1	9/29/2010 7:19:35 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Chlorobenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Chloroethane	ND	2.0		µg/L	1	9/29/2010 7:19:35 PM
Chloroform	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Chloromethane	ND	3.0		µg/L	1	9/29/2010 7:19:35 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/29/2010 7:19:35 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Dibromomethane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1009A59	**Collection Date:**	9/21/2010 11:12:00 AM
Project:	3rd Qtr	**Date Received:**	9/23/2010
Lab ID:	1009A59-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/29/2010 7:19:35 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
2-Hexanone	ND	10		µg/L	1	9/29/2010 7:19:35 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/29/2010 7:19:35 PM
Methylene Chloride	ND	3.0		µg/L	1	9/29/2010 7:19:35 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Styrene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/29/2010 7:19:35 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/29/2010 7:19:35 PM
Vinyl chloride	ND	1.0		µg/L	1	9/29/2010 7:19:35 PM
Xylenes, Total	ND	1.5		µg/L	1	9/29/2010 7:19:35 PM
Surr: 1,2-Dichloroethane-d4	115	54.6-141		%REC	1	9/29/2010 7:19:35 PM
Surr: 4-Bromofluorobenzene	110	60.1-133		%REC	1	9/29/2010 7:19:35 PM
Surr: Dibromofluoromethane	114	78.5-130		%REC	1	9/29/2010 7:19:35 PM
Surr: Toluene-d8	107	79.5-126		%REC	1	9/29/2010 7:19:35 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1009A59	**Collection Date:**	9/21/2010 2:18:00 PM
Project:	3rd Qtr	**Date Received:**	9/23/2010
Lab ID:	1009A59-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/28/2010 11:45:20 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/28/2010 11:45:20 PM
Surr: DNOP	125	86.9-151		%REC	1	9/28/2010 11:45:20 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/29/2010 4:28:42 PM
Surr: BFB	101	79.9-117		%REC	1	9/29/2010 4:28:42 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.32	0.10		mg/L	1	10/5/2010 11:22:02 AM
Chloride	60	10		mg/L	20	10/5/2010 11:39:27 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	10/6/2010 1:17:50 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/5/2010 11:22:02 AM
Sulfate	190	10		mg/L	20	10/5/2010 11:39:27 AM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:57:07 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/1/2010 3:12:09 PM
Barium	0.029	0.020		mg/L	1	10/1/2010 3:12:09 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 3:12:09 PM
Calcium	2.0	1.0		mg/L	1	10/4/2010 2:26:28 PM
Chromium	ND	0.0060		mg/L	1	10/1/2010 3:12:09 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 3:12:09 PM
Iron	ND	0.020		mg/L	1	10/1/2010 3:12:09 PM
Lead	ND	0.0050		mg/L	1	10/1/2010 3:12:09 PM
Magnesium	ND	1.0		mg/L	1	10/4/2010 2:26:28 PM
Manganese	0.0041	0.0020		mg/L	1	10/1/2010 3:12:09 PM
Potassium	ND	1.0		mg/L	1	10/4/2010 2:26:28 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 3:12:09 PM
Silver	ND	0.0050		mg/L	1	10/4/2010 2:26:28 PM
Sodium	310	5.0		mg/L	5	10/1/2010 3:24:23 PM
Zinc	ND	0.050		mg/L	1	10/1/2010 3:12:09 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/28/2010 5:57:23 PM
Barium	0.038	0.020		mg/L	1	9/28/2010 5:57:23 PM
Cadmium	ND	0.0020		mg/L	1	9/28/2010 5:57:23 PM
Chromium	ND	0.0060		mg/L	1	9/28/2010 5:57:23 PM
Copper	ND	0.0060		mg/L	1	9/28/2010 5:57:23 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1009A59	**Collection Date:**	9/21/2010 2:18:00 PM
Project:	3rd Qtr	**Date Received:**	9/23/2010
Lab ID:	1009A59-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	0.081	0.050		mg/L	1	9/28/2010 5:57:23 PM
Lead	ND	0.0050		mg/L	1	9/28/2010 5:57:23 PM
Manganese	0.023	0.0020		mg/L	1	9/28/2010 5:57:23 PM
Selenium	ND	0.050		mg/L	1	9/28/2010 5:57:23 PM
Silver	ND	0.0050		mg/L	1	9/28/2010 5:57:23 PM
Zinc	ND	0.020		mg/L	1	9/28/2010 5:57:23 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Toluene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Ethylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Naphthalene	ND	2.0		µg/L	1	9/30/2010 6:20:16 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/30/2010 6:20:16 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/30/2010 6:20:16 PM
Acetone	ND	10		µg/L	1	9/30/2010 6:20:16 PM
Bromobenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Bromoform	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Bromomethane	ND	3.0		µg/L	1	9/30/2010 6:20:16 PM
2-Butanone	ND	10		µg/L	1	9/30/2010 6:20:16 PM
Carbon disulfide	ND	10		µg/L	1	9/30/2010 6:20:16 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Chlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Chloroethane	ND	2.0		µg/L	1	9/30/2010 6:20:16 PM
Chloroform	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Chloromethane	ND	3.0		µg/L	1	9/30/2010 6:20:16 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/30/2010 6:20:16 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Dibromomethane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-1
Lab Order:	1009A59	**Collection Date:**	9/21/2010 2:18:00 PM
Project:	3rd Qtr	**Date Received:**	9/23/2010
Lab ID:	1009A59-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/30/2010 6:20:16 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
2-Hexanone	ND	10		µg/L	1	9/30/2010 6:20:16 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/30/2010 6:20:16 PM
Methylene Chloride	ND	3.0		µg/L	1	9/30/2010 6:20:16 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Styrene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/30/2010 6:20:16 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/30/2010 6:20:16 PM
Vinyl chloride	ND	1.0		µg/L	1	9/30/2010 6:20:16 PM
Xylenes, Total	ND	1.5		µg/L	1	9/30/2010 6:20:16 PM
Surr: 1,2-Dichloroethane-d4	113	54.6-141		%REC	1	9/30/2010 6:20:16 PM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	9/30/2010 6:20:16 PM
Surr: Dibromofluoromethane	112	78.5-130		%REC	1	9/30/2010 6:20:16 PM
Surr: Toluene-d8	99.1	79.5-126		%REC	1	9/30/2010 6:20:16 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1009A59	**Collection Date:**	9/21/2010 2:18:00 PM
Project:	3rd Qtr	**Date Received:**	9/23/2010
Lab ID:	1009A59-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Toluene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Ethylbenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Naphthalene	ND	2.0		µg/L	1	9/30/2010 6:46:42 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/30/2010 6:46:42 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/30/2010 6:46:42 PM
Acetone	ND	10		µg/L	1	9/30/2010 6:46:42 PM
Bromobenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Bromoform	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Bromomethane	ND	3.0		µg/L	1	9/30/2010 6:46:42 PM
2-Butanone	ND	10		µg/L	1	9/30/2010 6:46:42 PM
Carbon disulfide	ND	10		µg/L	1	9/30/2010 6:46:42 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Chlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Chloroethane	ND	2.0		µg/L	1	9/30/2010 6:46:42 PM
Chloroform	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Chloromethane	ND	3.0		µg/L	1	9/30/2010 6:46:42 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/30/2010 6:46:42 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Dibromomethane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/30/2010 6:46:42 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1009A59	**Collection Date:**	9/21/2010 2:18:00 PM
Project:	3rd Qtr	**Date Received:**	9/23/2010
Lab ID:	1009A59-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
2-Hexanone	ND	10		µg/L	1	9/30/2010 6:46:42 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/30/2010 6:46:42 PM
Methylene Chloride	ND	3.0		µg/L	1	9/30/2010 6:46:42 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Styrene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/30/2010 6:46:42 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/30/2010 6:46:42 PM
Vinyl chloride	ND	1.0		µg/L	1	9/30/2010 6:46:42 PM
Xylenes, Total	ND	1.5		µg/L	1	9/30/2010 6:46:42 PM
Surr: 1,2-Dichloroethane-d4	111	54.6-141		%REC	1	9/30/2010 6:46:42 PM
Surr: 4-Bromofluorobenzene	114	60.1-133		%REC	1	9/30/2010 6:46:42 PM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	9/30/2010 6:46:42 PM
Surr: Toluene-d8	108	79.5-126		%REC	1	9/30/2010 6:46:42 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1009A59	**Collection Date:**	
Project:	3rd Qtr	**Date Received:**	9/23/2010
Lab ID:	1009A59-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Toluene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Ethylbenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Naphthalene	ND	2.0		µg/L	1	9/30/2010 7:12:49 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/30/2010 7:12:49 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/30/2010 7:12:49 PM
Acetone	ND	10		µg/L	1	9/30/2010 7:12:49 PM
Bromobenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Bromoform	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Bromomethane	ND	3.0		µg/L	1	9/30/2010 7:12:49 PM
2-Butanone	ND	10		µg/L	1	9/30/2010 7:12:49 PM
Carbon disulfide	ND	10		µg/L	1	9/30/2010 7:12:49 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Chlorobenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Chloroethane	ND	2.0		µg/L	1	9/30/2010 7:12:49 PM
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Chloromethane	ND	3.0		µg/L	1	9/30/2010 7:12:49 PM
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1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/30/2010 7:12:49 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Dibromomethane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/30/2010 7:12:49 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1009A59	**Collection Date:**	
Project:	3rd Qtr	**Date Received:**	9/23/2010
Lab ID:	1009A59-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	9/30/2010 7:12:49 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/30/2010 7:12:49 PM
Methylene Chloride	ND	3.0		µg/L	1	9/30/2010 7:12:49 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Styrene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/30/2010 7:12:49 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/30/2010 7:12:49 PM
Vinyl chloride	ND	1.0		µg/L	1	9/30/2010 7:12:49 PM
Xylenes, Total	ND	1.5		µg/L	1	9/30/2010 7:12:49 PM
Surr: 1,2-Dichloroethane-d4	113	54.6-141		%REC	1	9/30/2010 7:12:49 PM
Surr: 4-Bromofluorobenzene	118	60.1-133		%REC	1	9/30/2010 7:12:49 PM
Surr: Dibromofluoromethane	110	78.5-130		%REC	1	9/30/2010 7:12:49 PM
Surr: Toluene-d8	107	79.5-126		%REC	1	9/30/2010 7:12:49 PM

Qualifiers:

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

ICP-MS

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LI29012-001**

Description: **1009A59-01D** Matrix: **Aqueous**

Date Sampled: **09/21/2010 1112**

Date Received: **09/29/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	10/05/2010 2249	FTS	10/01/2010 1600	43529

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Uranium	**7440-61-1**	**6020A**	**57**		**50**	**1.5**	**ug/L**	**1**

PQL = Practical quantitation limit

ND = Not detected at or above the MDL

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

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

ICP-MS

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LI29012-002**

Description: **1009A59-01F** Matrix: **Aqueous**

Date Sampled: **09/21/2010 1112**

Date Received: **09/29/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	10/05/2010 2258	FTS	10/01/2010 1600	43529

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Dissolved Uranium	**7440-61-1**	**6020A**	**55**		**50**	**1.5**	**ug/L**	**1**

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

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ICP-MS

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LI29012-003**

Description: **1009A59-02D** Matrix: **Aqueous**

Date Sampled: **09/21/2010 1418**

Date Received: **09/29/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	10/05/2010 2306	FTS	10/01/2010 1600	43529

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Uranium	7440-61-1	6020A	38	J	50	1.5	ug/L	1

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

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ICP-MS

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LI29012-004**

Description: **1009A59-02F** Matrix: **Aqueous**

Sampled: **09/21/2010 1418**

Date Received: **09/29/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1	3005A	6020A	1	10/08/2010 1727	KJC	10/06/2010 1920	43806

Parameter	CAS Number	Analytical Method	Result	Q	PQL	MDL	Units	Run
Dissolved Uranium	**7440-61-1**	**6020A**	**41**	**J**	**50**	**1.5**	**ug/L**	**1**

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

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

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

Sh[redacted]nvironmental Services, Inc.
10[redacted]ntage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr **Work Order:** 1009A59

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41378**	Analysis Date:	10/5/2010 4:00:41 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS-b		*LCS*				Batch ID:	**R41349**	Analysis Date:	10/5/2010 9:54:58 AM		
Fluoride	0.5008	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.768	mg/L	0.50	5	0	95.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.436	mg/L	0.20	3.5	0	98.2	90	110			
Phosphorus, Orthophosphate (As P)	4.843	mg/L	0.50	5	0	96.9	90	110			
Sulfate	9.908	mg/L	0.50	10	0	99.1	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R41378**	Analysis Date:	10/5/2010 4:18:05 PM		
Fluoride	0.5145	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.803	mg/L	0.50	5	0	96.1	90	110			
Nitrate (As N)+Nitrite (As N)	3.476	mg/L	0.20	3.5	0	99.3	90	110			
Phosphorus, Orthophosphate (As P)	5.038	mg/L	0.50	5	0	101	90	110			
Sulfate	10.06	mg/L	0.50	10	0	101	90	110			
Sample ID: LCSD		*LCSD*				Batch ID:	**R41378**	Analysis Date:	10/5/2010 10:58:32 PM		
Fluoride	0.5435	mg/L	0.10	0.5	0	109	90	110			
Chloride	4.942	mg/L	0.50	5	0	98.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.550	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.064	mg/L	0.50	5	0	101	90	110			
Sulfate	10.34	mg/L	0.50	10	0	103	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23919		*MBLK*				Batch ID:	**23919**	Analysis Date:	9/28/2010 8:20:07 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23919		*LCS*				Batch ID:	**23919**	Analysis Date:	9/28/2010 8:54:28 PM		
Diesel Range Organics (DRO)	5.646	mg/L	1.0	5	0	113	74	157			
Sample ID: LCSD-23919		*LCSD*				Batch ID:	**23919**	Analysis Date:	9/28/2010 9:28:36 PM		
Diesel Range Organics (DRO)	5.781	mg/L	1.0	5	0	116	74	157	2.36	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41269**	Analysis Date:	9/29/2010 9:37:09 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41269**	Analysis Date:	9/29/2010 5:55:35 PM		
Gasoline Range Organics (GRO)	0.5370	mg/L	0.050	0.5	0	107	89.5	122			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R41269**	Analysis Date:	9/29/2010 6:24:35 PM		
Gasoline Range Organics (GRO)	0.5094	mg/L	0.050	0.5	0	102	89.5	122	5.28	10.5	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr **Work Order:** 1009A59

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*					Batch ID: **R41262**		Analysis Date: 9/29/2010 8:54:34 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr **Work Order:** 1009A59

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R41262**		Analysis Date:	9/29/2010 8:54:34 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b2		*MBLK*				Batch ID: **R41287**		Analysis Date:	9/30/2010 10:02:30 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr **Work Order:** 1009A59

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*					Batch ID: **R41287**		Analysis Date:	9/30/2010 10:02:30 AM	
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b4		*MBLK*					Batch ID: **R41287**		Analysis Date:	9/30/2010 8:57:39 PM	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr **Work Order:** 1009A59

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*				Batch ID: **R41287**		Analysis Date:	9/30/2010 8:57:39 PM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr **Work Order:** 1009A59

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*				Batch ID:	**R41287**	Analysis Date:	9/30/2010 8:57:39 PM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2[redacted]ichloropropane	ND	µg/L	2.0								
Vin[redacted]oride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41262**	Analysis Date:	9/29/2010 9:57:48 AM		
Benzene	18.06	µg/L	1.0	20	0	90.3	82.4	116			
Toluene	18.09	µg/L	1.0	20	0	90.4	89.5	123			
Chlorobenzene	19.46	µg/L	1.0	20	0	97.3	87.8	120			
1,1-Dichloroethene	17.19	µg/L	1.0	20	0	86.0	90.3	138			S
Trichloroethene (TCE)	17.30	µg/L	1.0	20	0	86.5	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41287**	Analysis Date:	9/30/2010 11:09:49 AM		
Benzene	19.52	µg/L	1.0	20	0	97.6	82.4	116			
Toluene	17.97	µg/L	1.0	20	0	89.9	89.5	123			
Chlorobenzene	18.57	µg/L	1.0	20	0	92.9	87.8	120			
1,1-Dichloroethene	20.74	µg/L	1.0	20	0	104	90.3	138			
Trichloroethene (TCE)	18.13	µg/L	1.0	20	0	90.7	64	129			
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R41287**	Analysis Date:	9/30/2010 9:50:06 PM		
Benzene	19.39	µg/L	1.0	20	0	96.9	82.4	116			
Toluene	19.05	µg/L	1.0	20	0	95.3	89.5	123			
Chlorobenzene	18.74	µg/L	1.0	20	0	93.7	87.8	120			
1,1-Dichloroethene	21.41	µg/L	1.0	20	0	107	90.3	138			
Trichloroethene (TCE)	18.86	µg/L	1.0	20	0	94.3	64	129			

Qu[redacted]ers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr **Work Order:** 1009A59

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 7470: Mercury											
Sample ID: MB-23924		*MBLK*				**Batch ID: 23924**		**Analysis Date: 9/28/2010 3:13:51 PM**			
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23924		*LCS*				**Batch ID: 23924**		**Analysis Date: 9/28/2010 4:04:18 PM**			
Mercury	0.005268	mg/L	0.00020	0.005	2E-05	105	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr **Work Order:** 1009A59

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: 1009A59-02EMSD		*MSD*				Batch ID:	R41319	Analysis Date:		10/1/2010 3:20:15 PM	
Arsenic	0.5660	mg/L	0.020	0.5	0	113	75	125	1.76	20	
Barium	0.5270	mg/L	0.020	0.5	0.0291	99.6	75	125	1.49	20	
Cadmium	0.5017	mg/L	0.0020	0.5	0	100	75	125	0.472	20	
Chromium	0.5002	mg/L	0.0060	0.5	0	100	75	125	2.29	20	
Copper	0.5366	mg/L	0.0060	0.5	0	107	75	125	1.30	20	
Iron	0.4921	mg/L	0.020	0.5	0	98.4	75	125	8.12	20	
Lead	0.4878	mg/L	0.0050	0.5	0	97.6	75	125	1.76	20	
Manganese	0.4972	mg/L	0.0020	0.5	0.0041	98.6	75	125	1.84	20	
Selenium	0.6207	mg/L	0.050	0.5	0.0241	119	75	125	0.991	20	
Zinc	0.5224	mg/L	0.050	0.5	0.0012	104	75	125	1.81	20	
Sample ID: 1009A59-02EMSD		*MSD*				Batch ID:	R41334	Analysis Date:		10/4/2010 2:45:11 PM	
Calcium	49.07	mg/L	1.0	50.5	1.982	93.2	75	125	0.707	20	
Magnesium	50.57	mg/L	1.0	50.5	0.2462	99.6	75	125	0.0483	20	
Potassium	55.22	mg/L	1.0	55	0.7243	99.1	75	125	0.132	20	
Silver	0.4556	mg/L	0.0050	0.5	0	91.1	75	125	2.14	20	
Sample ID: MB		*MBLK*				Batch ID:	R41319	Analysis Date:		10/1/2010 12:30:48 PM	
Arsenic	ND	mg/L	0.020								
Ba[redacted]	ND	mg/L	0.020								
Ca[redacted]m	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	R41319	Analysis Date:		10/1/2010 12:33:38 PM	
Arsenic	0.4908	mg/L	0.020	0.5	0	98.2	80	120			
Barium	0.4717	mg/L	0.020	0.5	0	94.3	80	120			
Cadmium	0.4799	mg/L	0.0020	0.5	0	96.0	80	120			
Calcium	50.19	mg/L	1.0	50.5	0.0311	99.3	80	120			
Chromium	0.4771	mg/L	0.0060	0.5	0	95.4	80	120			
Copper	0.5044	mg/L	0.0060	0.5	0	101	80	120			
Iron	0.4726	mg/L	0.020	0.5	0	94.5	80	120			
Lead	0.4787	mg/L	0.0050	0.5	0	95.7	80	120			
Magnesium	50.70	mg/L	1.0	50.5	0.0319	100	80	120			
Manganese	0.4664	mg/L	0.0020	0.5	0	93.3	80	120			
Potassium	52.97	mg/L	1.0	55	0.0703	96.2	80	120			
S[redacted]m	0.4723	mg/L	0.050	0.5	0	94.5	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr **Work Order:** 1009A59

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R41319**	Analysis Date:	10/1/2010 12:33:38 PM		
Silver	0.4782	mg/L	0.0050	0.5	0.0003	95.6	80	120			
Sodium	53.62	mg/L	1.0	50.5	0.042	106	80	120			
Zinc	0.4825	mg/L	0.050	0.5	0	96.5	80	120			
Sample ID: 1009A59-02EMS		*MS*				Batch ID:	**R41319**	Analysis Date:	10/1/2010 3:16:10 PM		
Arsenic	0.5561	mg/L	0.020	0.5	0	111	75	125			
Barium	0.5193	mg/L	0.020	0.5	0.0291	98.0	75	125			
Cadmium	0.4993	mg/L	0.0020	0.5	0	99.9	75	125			
Chromium	0.4889	mg/L	0.0060	0.5	0	97.8	75	125			
Copper	0.5297	mg/L	0.0060	0.5	0	106	75	125			
Iron	0.4537	mg/L	0.020	0.5	0	90.7	75	125			
Lead	0.4964	mg/L	0.0050	0.5	0	99.3	75	125			
Manganese	0.4881	mg/L	0.0020	0.5	0.0041	96.8	75	125			
Selenium	0.6145	mg/L	0.050	0.5	0.0241	118	75	125			
Zinc	0.5131	mg/L	0.050	0.5	0.0012	102	75	125			
Sample ID: 1009A59-02EMS		*MS*				Batch ID:	**R41334**	Analysis Date:	10/4/2010 2:38:23 PM		
Calcium	49.41	mg/L	1.0	50.5	1.982	93.9	75	125			
Magnesium	50.59	mg/L	1.0	50.5	0.2462	99.7	75	125			
Potassium	55.15	mg/L	1.0	55	0.7243	99.0	75	125			
Silver	0.4654	mg/L	0.0050	0.5	0	93.1	75	125			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr **Work Order:** 1009A59

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23908		*MBLK*				**Batch ID: 23908**		**Analysis Date:**	9/28/2010 3:40:14 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23908		*LCS*				**Batch ID: 23908**		**Analysis Date:**	9/28/2010 3:43:13 PM		
Arsenic	0.5228	mg/L	0.020	0.5	0	105	80	120			
Barium	0.5011	mg/L	0.020	0.5	0	100	80	120			
Cadmium	0.5045	mg/L	0.0020	0.5	0	101	80	120			
Chromium	0.5107	mg/L	0.0060	0.5	0	102	80	120			
Copper	0.5535	mg/L	0.0060	0.5	0	111	80	120			
Iron	0.5238	mg/L	0.050	0.5	0	105	80	120			
Lead	0.5027	mg/L	0.0050	0.5	0	101	80	120			
Manganese	0.5000	mg/L	0.0020	0.5	0.0002	100	80	120			
Selenium	0.4618	mg/L	0.050	0.5	0	92.4	80	120			
Silver	0.5184	mg/L	0.0050	0.5	0.0002	104	80	120			
Zinc	0.4910	mg/L	0.020	0.5	0	98.2	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 9/23/2010

Work Order Number 1009A59 | Received by: TLS

Checklist completed by: Signature 9/23/10 Date | Sample ID labels checked by: MG Initials

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	6.3°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

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

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 3rd Qtr
Project #: OW, 1 + 10
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 4.3

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1009115-	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	WQCC Metals	Total + Dis	Major Cations/Anions	Air Bubbles (Y or N)
9/21/10	1112	H2O	OW-10			1			X							X		X		X	
	1418		OW-1			2			X							X		X		X	
	1100		Field Blank			3															
			Trip Blank			4															

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/21/10	1530			9-21-10	15:30
9-23-10	12:20			9/23/10	1220

Remarks:

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

OW-1,10

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Friday, December 10, 2010

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

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 4th Qtr 2010

Order No.: 1011631

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 11/12/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

01,1-WO

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1011631	**Collection Date:**	11/10/2010 12:15:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/16/2010 5:10:36 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/16/2010 5:10:36 PM
Surr: DNOP	122	86.9-151		%REC	1	11/16/2010 5:10:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/18/2010 12:03:15 PM
Surr: BFB	104	84.5-118		%REC	1	11/18/2010 12:03:15 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.38	0.10		mg/L	1	11/16/2010 8:16:42 PM
Chloride	450	25		mg/L	50	11/22/2010 11:47:05 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/23/2010 1:48:59 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	11/16/2010 8:16:42 PM
Sulfate	150	10		mg/L	20	11/16/2010 8:34:06 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/17/2010 1:23:13 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 9:19:50 AM
Barium	0.047	0.020		mg/L	1	11/30/2010 9:19:50 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 9:19:50 AM
Calcium	62	1.0		mg/L	1	11/30/2010 9:19:50 AM
Chromium	ND	0.0060		mg/L	1	11/30/2010 9:19:50 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 9:19:50 AM
Iron	ND	0.020		mg/L	1	11/30/2010 9:19:50 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 9:19:50 AM
Magnesium	8.8	1.0		mg/L	1	11/30/2010 9:19:50 AM
Manganese	0.030	0.0020		mg/L	1	11/30/2010 9:19:50 AM
Potassium	1.4	1.0		mg/L	1	11/30/2010 9:19:50 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 9:19:50 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 9:19:50 AM
Sodium	460	10		mg/L	10	12/3/2010 10:54:21 AM
Zinc	ND	0.050		mg/L	1	11/30/2010 9:19:50 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 11:28:10 AM
Barium	0.062	0.020		mg/L	1	11/30/2010 11:28:10 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 11:28:10 AM
Chromium	ND	0.0060		mg/L	1	11/30/2010 11:28:10 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 11:28:10 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1011631	**Collection Date:**	11/10/2010 12:15:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Iron	ND	0.050		mg/L	1	11/30/2010 11:28:10 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 11:28:10 AM
Manganese	0.040	0.0020		mg/L	1	11/30/2010 11:28:10 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 11:28:10 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 6:29:14 PM
Zinc	ND	0.020		mg/L	1	11/30/2010 11:28:10 AM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Toluene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Methyl tert-butyl ether (MTBE)	36	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 2:07:20 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 2:07:20 AM
Acetone	ND	10		µg/L	1	11/19/2010 2:07:20 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Bromoform	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Bromomethane	ND	3.0		µg/L	1	11/19/2010 2:07:20 AM
2-Butanone	ND	10		µg/L	1	11/19/2010 2:07:20 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2010 2:07:20 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
Chloroform	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Chloromethane	ND	3.0		µg/L	1	11/19/2010 2:07:20 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-10
Lab Order:	1011631	**Collection Date:**	11/10/2010 12:15:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
2-Hexanone	ND	10		µg/L	1	11/19/2010 2:07:20 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2010 2:07:20 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2010 2:07:20 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Styrene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2010 2:07:20 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 2:07:20 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2010 2:07:20 AM
Surr: 1,2-Dichloroethane-d4	98.8	77.7-113		%REC	1	11/19/2010 2:07:20 AM
Surr: 4-Bromofluorobenzene	106	76.4-106	S	%REC	1	11/19/2010 2:07:20 AM
Surr: Dibromofluoromethane	103	91.6-125		%REC	1	11/19/2010 2:07:20 AM
Surr: Toluene-d8	97.8	92.3-107		%REC	1	11/19/2010 2:07:20 AM

Qualifiers:

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

[redacted]all Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-01
Lab Order:	1011631	**Collection Date:**	11/10/2010 2:31:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/16/2010 5:55:10 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/16/2010 5:55:10 PM
Surr: DNOP	119	86.9-151		%REC	1	11/16/2010 5:55:10 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/18/2010 1:01:11 PM
Surr: BFB	101	84.5-118		%REC	1	11/18/2010 1:01:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.31	0.10		mg/L	1	11/16/2010 9:26:20 PM
Chloride	64	10		mg/L	20	11/16/2010 9:43:45 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/23/2010 2:06:24 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	11/16/2010 9:26:20 PM
Sulfate	180	10		mg/L	20	11/16/2010 9:43:45 PM
[redacted]A METHOD 7470: MERCURY						Analyst: **ELS**
[redacted]lercury	ND	0.00020		mg/L	1	11/17/2010 1:24:59 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 9:23:58 AM
Barium	0.037	0.020		mg/L	1	11/30/2010 9:23:58 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 9:23:58 AM
Calcium	2.2	1.0		mg/L	1	11/30/2010 9:23:58 AM
Chromium	ND	0.0060		mg/L	1	11/30/2010 9:23:58 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 9:23:58 AM
Iron	ND	0.020		mg/L	1	11/30/2010 9:23:58 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 9:23:58 AM
Magnesium	ND	1.0		mg/L	1	11/30/2010 9:23:58 AM
Manganese	0.0046	0.0020		mg/L	1	11/30/2010 9:23:58 AM
Potassium	ND	1.0		mg/L	1	11/30/2010 9:23:58 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 9:23:58 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 9:23:58 AM
Sodium	300	5.0		mg/L	5	12/3/2010 10:58:46 AM
Zinc	ND	0.050		mg/L	1	11/30/2010 9:23:58 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 11:32:19 AM
Barium	ND	0.020		mg/L	1	11/30/2010 11:32:19 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 11:32:19 AM
Chromium	ND	0.0060		mg/L	1	11/30/2010 11:32:19 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 11:32:19 AM

[redacted]ualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-01
Lab Order:	1011631	**Collection Date:**	11/10/2010 2:31:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Iron	ND	0.050		mg/L	1	11/30/2010 11:32:19 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 11:32:19 AM
Manganese	0.0066	0.0020		mg/L	1	11/30/2010 11:32:19 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 11:32:19 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 6:36:31 PM
Zinc	ND	0.020		mg/L	1	11/30/2010 11:32:19 AM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Toluene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 2:33:33 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 2:33:33 AM
Acetone	ND	10		µg/L	1	11/19/2010 2:33:33 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Bromoform	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Bromomethane	ND	3.0		µg/L	1	11/19/2010 2:33:33 AM
2-Butanone	ND	10		µg/L	1	11/19/2010 2:33:33 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2010 2:33:33 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
Chloroform	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Chloromethane	ND	3.0		µg/L	1	11/19/2010 2:33:33 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-01
Lab Order:	1011631	**Collection Date:**	11/10/2010 2:31:00 PM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
2-Hexanone	ND	10		µg/L	1	11/19/2010 2:33:33 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2010 2:33:33 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2010 2:33:33 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Styrene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2010 2:33:33 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 2:33:33 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2010 2:33:33 AM
Surr: 1,2-Dichloroethane-d4	104	77.7-113		%REC	1	11/19/2010 2:33:33 AM
Surr: 4-Bromofluorobenzene	106	76.4-106	S	%REC	1	11/19/2010 2:33:33 AM
Surr: Dibromofluoromethane	105	91.6-125		%REC	1	11/19/2010 2:33:33 AM
Surr: Toluene-d8	98.8	92.3-107		%REC	1	11/19/2010 2:33:33 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011631	**Collection Date:**	11/10/2010 10:00:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Toluene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 3:52:14 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 3:52:14 AM
Acetone	ND	10		µg/L	1	11/19/2010 3:52:14 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Bromoform	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Bromomethane	ND	3.0		µg/L	1	11/19/2010 3:52:14 AM
2-Butanone	ND	10		µg/L	1	11/19/2010 3:52:14 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2010 3:52:14 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
Chloroform	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Chloromethane	ND	3.0		µg/L	1	11/19/2010 3:52:14 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011631	**Collection Date:**	11/10/2010 10:00:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	11/19/2010 3:52:14 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2010 3:52:14 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2010 3:52:14 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Styrene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2010 3:52:14 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 3:52:14 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2010 3:52:14 AM
Surr: 1,2-Dichloroethane-d4	96.8	77.7-113		%REC	1	11/19/2010 3:52:14 AM
Surr: 4-Bromofluorobenzene	104	76.4-106		%REC	1	11/19/2010 3:52:14 AM
Surr: Dibromofluoromethane	104	91.6-125		%REC	1	11/19/2010 3:52:14 AM
Surr: Toluene-d8	97.9	92.3-107		%REC	1	11/19/2010 3:52:14 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:35:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	63	1.0		mg/L	1	11/16/2010 6:29:12 PM
Motor Oil Range Organics (MRO)	6.2	5.0		mg/L	1	11/16/2010 6:29:12 PM
Surr: DNOP	124	86.9-151		%REC	1	11/16/2010 6:29:12 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	100	5.0		mg/L	100	11/18/2010 8:17:43 PM
Surr: BFB	108	84.5-118		%REC	100	11/18/2010 8:17:43 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/17/2010 1:26:46 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 9:46:42 AM
Barium	0.33	0.020		mg/L	1	11/30/2010 9:46:42 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 9:46:42 AM
Chromium	0.046	0.0060		mg/L	1	11/30/2010 9:46:42 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 9:46:42 AM
Iron	0.16	0.020		mg/L	1	11/30/2010 9:46:42 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 9:46:42 AM
Manganese	0.59	0.0020		mg/L	1	11/30/2010 9:46:42 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 9:46:42 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 9:46:42 AM
Zinc	ND	0.050		mg/L	1	11/30/2010 9:46:42 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	11/30/2010 11:37:05 AM
Barium	0.94	0.10		mg/L	5	11/30/2010 11:37:05 AM
Cadmium	ND	0.010		mg/L	5	11/30/2010 11:37:05 AM
Chromium	0.12	0.030		mg/L	5	11/30/2010 11:37:05 AM
Copper	ND	0.030		mg/L	5	11/30/2010 11:37:05 AM
Iron	1.1	0.25		mg/L	5	11/30/2010 11:37:05 AM
Lead	ND	0.025		mg/L	5	11/30/2010 11:37:05 AM
Manganese	1.6	0.010		mg/L	5	11/30/2010 11:37:05 AM
Selenium	ND	0.25		mg/L	5	11/30/2010 11:37:05 AM
Silver	ND	0.025		mg/L	5	11/30/2010 6:42:40 PM
Zinc	ND	0.10		mg/L	5	11/30/2010 11:37:05 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	10000	500		µg/L	500	11/19/2010 4:18:26 AM
Toluene	28000	500		µg/L	500	11/19/2010 4:18:26 AM
Ethylbenzene	1300	50		µg/L	50	11/19/2010 4:44:35 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	East LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:35:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	11/19/2010 4:44:35 AM
Xylenes, Total	9000	100		µg/L	50	11/19/2010 4:44:35 AM
Surr: 4-Bromofluorobenzene	98.0	76.4-106		%REC	50	11/19/2010 4:44:35 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:20:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	16	1.0		mg/L	1	11/16/2010 7:03:20 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/16/2010 7:03:20 PM
Surr: DNOP	122	86.9-151		%REC	1	11/16/2010 7:03:20 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	67	2.5		mg/L	50	11/18/2010 9:15:39 PM
Surr: BFB	108	84.5-118		%REC	50	11/18/2010 9:15:39 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/17/2010 1:28:32 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 9:52:38 AM
Barium	0.56	0.020		mg/L	1	11/30/2010 9:52:38 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 9:52:38 AM
Chromium	0.18	0.0060		mg/L	1	11/30/2010 9:52:38 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 9:52:38 AM
Iron	0.22	0.020		mg/L	1	11/30/2010 9:52:38 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 9:52:38 AM
Manganese	0.81	0.0020		mg/L	1	11/30/2010 9:52:38 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 9:52:38 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 9:52:38 AM
Zinc	ND	0.050		mg/L	1	11/30/2010 9:52:38 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 11:40:16 AM
Barium	0.50	0.020		mg/L	1	11/30/2010 11:40:16 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 11:40:16 AM
Chromium	0.15	0.0060		mg/L	1	11/30/2010 11:40:16 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 11:40:16 AM
Iron	0.66	0.050		mg/L	1	11/30/2010 11:40:16 AM
Lead	ND	0.0050		mg/L	1	11/30/2010 11:40:16 AM
Manganese	0.68	0.0020		mg/L	1	11/30/2010 11:40:16 AM
Selenium	ND	0.050		mg/L	1	11/30/2010 11:40:16 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 6:45:55 PM
Zinc	ND	0.020		mg/L	1	11/30/2010 11:40:16 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	7000	100		µg/L	100	11/19/2010 5:10:50 AM
Toluene	18000	200		µg/L	200	11/20/2010 3:19:49 AM
Ethylbenzene	900	10		µg/L	10	11/19/2010 5:37:17 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	West LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:20:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	11/19/2010 5:37:17 AM
Xylenes, Total	6100	200		µg/L	100	11/19/2010 5:10:50 AM
Surr: 4-Bromofluorobenzene	104	76.4-106		%REC	10	11/19/2010 5:37:17 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:45:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	390	30		mg/L	1	11/16/2010 7:37:27 PM
Motor Oil Range Organics (MRO)	ND	150		mg/L	1	11/16/2010 7:37:27 PM
Surr: DNOP	117	86.9-151		%REC	1	11/16/2010 7:37:27 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	110	10		mg/L	200	11/18/2010 10:13:24 PM
Surr: BFB	110	84.5-118		%REC	200	11/18/2010 10:13:24 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	0.017	0.00080		mg/L	2	11/17/2010 1:42:26 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/30/2010 9:56:54 AM
Barium	0.19	0.020		mg/L	1	11/30/2010 9:56:54 AM
Cadmium	ND	0.0020		mg/L	1	11/30/2010 9:56:54 AM
Chromium	0.037	0.0060		mg/L	1	11/30/2010 9:56:54 AM
Copper	ND	0.0060		mg/L	1	11/30/2010 9:56:54 AM
Iron	0.15	0.020		mg/L	1	11/30/2010 9:56:54 AM
Lead	0.0075	0.0050		mg/L	1	11/30/2010 9:56:54 AM
Manganese	1.2	0.010		mg/L	5	11/30/2010 12:27:18 PM
Selenium	ND	0.050		mg/L	1	11/30/2010 9:56:54 AM
Silver	ND	0.0050		mg/L	1	11/30/2010 9:56:54 AM
Zinc	ND	0.050		mg/L	1	11/30/2010 9:56:54 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	1	11/30/2010 11:44:31 AM
Barium	7.2	0.50		mg/L	5	11/30/2010 6:57:52 PM
Cadmium	ND	0.010		mg/L	1	11/30/2010 11:44:31 AM
Chromium	0.18	0.030		mg/L	1	11/30/2010 11:44:31 AM
Copper	0.25	0.030		mg/L	1	11/30/2010 11:44:31 AM
Iron	150	13		mg/L	50	11/30/2010 7:00:45 PM
Lead	0.11	0.025		mg/L	1	11/30/2010 11:44:31 AM
Manganese	2.3	0.010		mg/L	1	11/30/2010 11:44:31 AM
Selenium	ND	0.25		mg/L	1	11/30/2010 11:44:31 AM
Silver	ND	0.025		mg/L	1	11/30/2010 6:54:53 PM
Zinc	7.9	0.50		mg/L	5	11/30/2010 6:57:52 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	8800	200		µg/L	200	11/19/2010 6:30:22 AM
Toluene	19000	200		µg/L	200	11/19/2010 6:30:22 AM
Ethylbenzene	1600	200		µg/L	200	11/19/2010 6:30:22 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Oil Sump LDU
Lab Order:	1011631	**Collection Date:**	11/11/2010 10:45:00 AM
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Methyl tert-butyl ether (MTBE)	ND	200		µg/L	200	11/19/2010 6:30:22 AM
Xylenes, Total	10000	400		µg/L	200	11/19/2010 6:30:22 AM
Surr: 4-Bromofluorobenzene	104	76.4-106		%REC	200	11/19/2010 6:30:22 AM

alifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip blank
Lab Order:	1011631	**Collection Date:**	
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Toluene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 7:22:39 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 7:22:39 AM
Acetone	ND	10		µg/L	1	11/19/2010 7:22:39 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Bromoform	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Bromomethane	ND	3.0		µg/L	1	11/19/2010 7:22:39 AM
2-Butanone	ND	10		µg/L	1	11/19/2010 7:22:39 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2010 7:22:39 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
Chloroform	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Chloromethane	ND	3.0		µg/L	1	11/19/2010 7:22:39 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM

Qualifiers:

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

[redacted]ll Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip blank
Lab Order:	1011631	**Collection Date:**	
Project:	4th Qtr 2010	**Date Received:**	11/12/2010
Lab ID:	1011631-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
2-Hexanone	ND	10		µg/L	1	11/19/2010 7:22:39 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2010 7:22:39 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2010 7:22:39 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Styrene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
[redacted],3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
[redacted],4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
[redacted],1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2010 7:22:39 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 7:22:39 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2010 7:22:39 AM
Surr: 1,2-Dichloroethane-d4	103	77.7-113		%REC	1	11/19/2010 7:22:39 AM
Surr: 4-Bromofluorobenzene	109	76.4-106	S	%REC	1	11/19/2010 7:22:39 AM
Surr: Dibromofluoromethane	109	91.6-125		%REC	1	11/19/2010 7:22:39 AM
Surr: Toluene-d8	104	92.3-107		%REC	1	11/19/2010 7:22:39 AM

[redacted]lifiers:

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011631
Lab ID: B10111628-001
Client Sample ID 1011631-01D-01F, OW-10

Report Date: 12/01/10
Collection Date: 11/10/10 12:15
DateReceived: 11/18/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.051	mg/L		0.001		SW6020	11/19/10 20:31 / tao
METALS, TOTAL							
Uranium	0.052	mg/L		0.001		SW6020	11/30/10 19:54 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011631
Lab ID: B10111628-002
Client Sample ID 1011631-02D-02F, OW-01

Report Date: 12/01/10
Collection Date: 11/10/10 14:31
DateReceived: 11/18/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.040	mg/L		0.001		SW6020	11/19/10 21:08 / tao
METALS, TOTAL							
Uranium	0.039	mg/L		0.001		SW6020	11/30/10 19:58 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011631
Lab ID: B10111628-003
Client Sample ID 1011631-04D-04F, East LDU

Report Date: 12/01/10
Collection Date: 11/11/10 10:35
DateReceived: 11/18/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/19/10 21:12 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/30/10 20:19 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011631
Lab ID: B10111628-004
Client Sample ID 1011631-05D-05F, West LDU

Report Date: 12/01/10
Collection Date: 11/11/10 10:20
DateReceived: 11/18/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/19/10 21:20 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/30/10 20:23 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011631
Lab ID: B10111628-005
Client Sample ID 1011631-06D-06F, Oil Sump LDU

Report Date: 12/01/10
Collection Date: 11/11/10 10:45
DateReceived: 11/18/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/19/10 21:24 / tao
METALS, TOTAL							
Uranium	ND	mg/L	D	0.004		SW6020	11/30/10 20:27 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011631

Report Date: 12/01/10
Work Order: B10111628

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_101119A	
Sample ID: ICSA-ME101101C	Interference Check Sample A							11/19/10 09:43	
Uranium	2.90E-05	mg/L	0.00030						
Sample ID: ICSAB-ME101101C, 1001	Interference Check Sample AB							11/19/10 09:47	
Uranium	5.00E-06	mg/L	0.00030		0	0			
Sample ID: QCS - 100607A,101012A,	Initial Calibration Verification Standard							11/19/10 09:51	
Uranium	0.0211	mg/L	0.00030	105	90	110			
Method: SW6020								Batch: R157528	
Sample ID: B10111628-001AMS	Sample Matrix Spike				Run: ICPMS202-B_101119A			11/19/10 20:35	
Uranium	0.291	mg/L	0.0010	96	75	125			
Sample ID: B10111628-001AMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_101119A			11/19/10 20:39	
Uranium	0.294	mg/L	0.0010	97	75	125	1.1	20	
Sample ID: B10111628-003ADIL	Serial Dilution				Run: ICPMS202-B_101119A			11/19/10 21:16	
Uranium	ND	mg/L	0.0010		0	0			
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS202-B_101119A			11/19/10 10:24	
Uranium	0.0483	mg/L	0.00030	97	85	115			
Sample ID: LRB	Method Blank				Run: ICPMS202-B_101119A			11/19/10 11:46	
Uranium	ND	mg/L	2E-05						

Qualifiers:

Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011631

Report Date: 12/01/10
Work Order: B10111628

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_101129B	
Sample ID: QCS - 100607A,101012A,	Initial Calibration Verification Standard							11/30/10 16:53	
Uranium	0.0183	mg/L	0.00030	91	90	110			
Sample ID: ICSA-ME101101C	Interference Check Sample A							11/30/10 16:57	
Uranium	1.70E-05	mg/L	0.00030						
Sample ID: ICSAB-ME101101C, 1001	Interference Check Sample AB							11/30/10 17:01	
Uranium	9.00E-06	mg/L	0.00030		0	0			
Method: SW6020								Batch: 50681	
Sample ID: MB-50681	Method Blank				Run: ICPMS202-B_101129B			11/29/10 22:20	
Uranium	3E-05	mg/L	2E-05						
Sample ID: B10111603-002ADIL	Serial Dilution				Run: ICPMS202-B_101129B			11/29/10 22:49	
Uranium	0.00125	mg/L	0.0010		0	0		10	N
Sample ID: LCS-50681	Laboratory Control Sample				Run: ICPMS202-B_101129B			11/30/10 00:12	
Uranium	0.510	mg/L	0.0010	102	85	115			
Sample ID: B10111603-002AMS	Sample Matrix Spike				Run: ICPMS202-B_101129B			11/30/10 00:15	
Uranium	0.512	mg/L	0.0010	102	75	125			
Sample ID: B10111603-002AMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_101129B			11/30/10 00:19	
Uranium	0.522	mg/L	0.0010	104	75	125	2.0	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R42177**	Analysis Date:	11/16/2010 2:25:36 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42310**	Analysis Date:	11/22/2010 11:00:57 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R42177**	Analysis Date:	11/16/2010 2:43:01 PM		
Fluoride	0.4777	mg/L	0.10	0.5	0	95.5	90	110			
Chloride	5.022	mg/L	0.50	5	0	100	90	110			
Nitrate (As N)+Nitrite (As N)	3.622	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	4.961	mg/L	0.50	5	0	99.2	90	110			
Sulfate	10.13	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42310**	Analysis Date:	11/22/2010 11:18:22 AM		
Fluo[redacted]	0.5142	mg/L	0.10	0.5	0	103	90	110			
Chl[redacted]	4.795	mg/L	0.50	5	0	95.9	90	110			
Nitrate (As N)+Nitrite (As N)	3.479	mg/L	0.20	3.5	0	99.4	90	110			
Sulfate	9.929	mg/L	0.50	10	0	99.3	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24530		*MBLK*				Batch ID:	**24530**	Analysis Date:	11/16/2010 11:20:59 AM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24530		*LCS*				Batch ID:	**24530**	Analysis Date:	11/16/2010 11:55:06 AM		
Diesel Range Organics (DRO)	5.491	mg/L	1.0	5	0	110	74	157			
Sample ID: LCSD-24530		*LCSD*				Batch ID:	**24530**	Analysis Date:	11/16/2010 12:29:12 PM		
Diesel Range Organics (DRO)	5.939	mg/L	1.0	5	0	119	74	157	7.84	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R42238**	Analysis Date:	11/18/2010 8:55:08 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R42238**	Analysis Date:	11/18/2010 4:55:07 PM		
Gasoline Range Organics (GRO)	0.4338	mg/L	0.050	0.5	0	86.8	83.7	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R42238**	Analysis Date:	11/18/2010 5:24:03 PM		
Gasoline Range Organics (GRO)	0.5346	mg/L	0.050	0.5	0	107	83.7	124	20.8	12	R

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260: Volatiles Short List											
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R42242**	Analysis Date:	11/18/2010 8:57:28 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: b5		*MBLK*				Batch ID:	**R42242**	Analysis Date:	11/18/2010 7:59:58 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								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: b3		*MBLK*				Batch ID:	**R42258**	Analysis Date:	11/19/2010 8:54:05 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								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42242**	Analysis Date:	11/18/2010 10:21:32 AM		
Benzene	18.08	µg/L	1.0	20	0	90.4	84.6	109			
Toluene	19.38	µg/L	1.0	20	0	96.9	81	114			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42242**	Analysis Date:	11/18/2010 8:52:51 PM		
Benzene	19.03	µg/L	1.0	20	0	95.2	84.6	109			
Toluene	17.94	µg/L	1.0	20	0	89.7	81	114			
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R42258**	Analysis Date:	11/19/2010 9:49:14 PM		
Benzene	18.38	µg/L	1.0	20	0	91.9	84.6	109			
Toluene	20.30	µg/L	1.0	20	0	101	81	114			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1011631-02a msd		*MSD*				Batch ID:	**R42242**	Analysis Date:		11/19/2010 3:25:51 AM	
Benzene	19.09	µg/L	1.0	20	0	95.4	73.1	117	1.51	11.3	
Toluene	18.24	µg/L	1.0	20	0	91.2	82.9	109	2.33	11.6	
Chlorobenzene	18.21	µg/L	1.0	20	0	91.1	87.5	110	5.72	10.6	
1,1-Dichloroethene	18.93	µg/L	1.0	20	0	94.7	66.2	131	4.52	14.4	
Trichloroethene (TCE)	18.83	µg/L	1.0	20	0	94.2	67.1	110	1.55	11.2	
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R42242**	Analysis Date:		11/18/2010 8:57:28 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Benzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
				Batch ID: **R42242**			Analysis Date:	11/18/2010 8:57:28 AM			
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b5		*MBLK*									
				Batch ID: **R42242**			Analysis Date:	11/18/2010 7:59:58 PM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b5		*MBLK*					Batch ID: **R42242**		Analysis Date: 11/18/2010 7:59:58 PM		
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dich[redacted]fluoromethane	ND	µg/L	1.0								
1,1-D[redacted]roethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b5		*MBLK*				Batch ID:	**R42242**	Analysis Date:	11/18/2010 7:59:58 PM		
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R42258**	Analysis Date:	11/19/2010 8:58:35 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*					Batch ID: **R42258**		Analysis Date:	11/19/2010 8:58:35 AM	
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								
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								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylene[illegible]tal	ND	µg/L	1.5								
Sampl[illegible] b3		*MBLK*					Batch ID: **R42258**		Analysis Date:	11/19/2010 8:54:05 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								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Di[illegible]obenzene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*				Batch ID: **R42258**		Analysis Date: 11/19/2010 8:54:05 PM			
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								
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								
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: **R42242**		Analysis Date: 11/18/2010 10:21:32 AM			
Benzene	18.08	µg/L	1.0	20	0	90.4	84.6	109			
Toluene	19.38	µg/L	1.0	20	0	96.9	81	114			
Chlorobenzene	19.48	µg/L	1.0	20	0	97.4	85.2	113			
1,1-Dichloroethene	17.71	µg/L	1.0	20	0	88.5	79.6	124			
Trichloroethene (TCE)	17.66	µg/L	1.0	20	0	88.3	78.3	102			
Sample ID: 100ng lcs		*LCS*				Batch ID: **R42242**		Analysis Date: 11/18/2010 8:52:51 PM			
Benzene	19.03	µg/L	1.0	20	0	95.2	84.6	109			
Toluene	17.94	µg/L	1.0	20	0	89.7	81	114			
Chlorobenzene	18.37	µg/L	1.0	20	0	91.9	85.2	113			
1,1-Dichloroethene	18.78	µg/L	1.0	20	0	93.9	79.6	124			
Trichloroethene (TCE)	18.37	µg/L	1.0	20	0	91.8	78.3	102			
Sample ID: 100ng lcs		*LCS*				Batch ID: **R42258**		Analysis Date: 11/19/2010 10:17:43 AM			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42258**	Analysis Date:	11/19/2010 10:17:43 AM		
Benzene	18.48	µg/L	1.0	20	0	92.4	84.6	109			
Toluene	22.14	µg/L	1.0	20	0	111	81	114			
Chlorobenzene	22.14	µg/L	1.0	20	0	111	85.2	113			
1,1-Dichloroethene	20.66	µg/L	1.0	20	0	103	79.6	124			
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R42258**	Analysis Date:	11/19/2010 9:49:14 PM		
Benzene	18.38	µg/L	1.0	20	0	91.9	84.6	109			
Toluene	20.30	µg/L	1.0	20	0	101	81	114			
Chlorobenzene	20.26	µg/L	1.0	20	0	101	85.2	113			
1,1-Dichloroethene	19.96	µg/L	1.0	20	0	99.8	79.6	124			
Sample ID: 1011631-02a ms		*MS*				Batch ID:	**R42242**	Analysis Date:	11/19/2010 2:59:40 AM		
Benzene	19.38	µg/L	1.0	20	0	96.9	73.1	117			
Toluene	18.67	µg/L	1.0	20	0	93.3	82.9	109			
Chlorobenzene	19.28	µg/L	1.0	20	0	96.4	87.5	110			
1,1-Dichloroethene	19.81	µg/L	1.0	20	0	99.0	66.2	131			
Trichloroethene (TCE)	18.54	µg/L	1.0	20	0	92.7	67.1	110			
Method: EPA Method 7470: Mercury											
Sample ID: MB-24552		*MBLK*				Batch ID:	**24552**	Analysis Date:	11/17/2010 12:58:03 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24552		*LCS*				Batch ID:	**24552**	Analysis Date:	11/17/2010 12:59:52 PM		
Mercury	0.005211	mg/L	0.00020	0.005	0	104	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R42402**		Analysis Date: 11/30/2010 8:52:57 AM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: MB		*MBLK*				Batch ID: **R42480**		Analysis Date: 12/3/2010 11:44:23 AM			
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID: **R42402**		Analysis Date: 11/30/2010 8:56:04 AM			
Arsenic	0.5309	mg/L	0.020	0.5	0	106	80	120			
Barium	0.5234	mg/L	0.020	0.5	0.0006	105	80	120			
Cadmium	0.5349	mg/L	0.0020	0.5	0	107	80	120			
Calcium	53.91	mg/L	1.0	50.5	0.0397	107	80	120			
Chromium	0.5265	mg/L	0.0060	0.5	0	105	80	120			
Copper	0.5628	mg/L	0.0060	0.5	0	113	80	120			
Iron	0.5366	mg/L	0.020	0.5	0	107	80	120			
Lead	0.5426	mg/L	0.0050	0.5	0	109	80	120			
Magnesium	53.76	mg/L	1.0	50.5	0.0407	106	80	120			
Manganese	0.5229	mg/L	0.0020	0.5	0	105	80	120			
Potassium	55.65	mg/L	1.0	55	0	101	80	120			
Selenium	0.4989	mg/L	0.050	0.5	0	99.8	80	120			
Silver	0.5274	mg/L	0.0050	0.5	0	105	80	120			
Sodium	52.32	mg/L	1.0	50.5	0.0742	103	80	120			
Zinc	0.5300	mg/L	0.050	0.5	0	106	80	120			
Sample ID: LCSRR		*LCS*				Batch ID: **R42402**		Analysis Date: 11/30/2010 8:59:13 AM			
Arsenic	0.5302	mg/L	0.020	0.5	0	106	80	120	0.138	0	
Barium	0.5251	mg/L	0.020	0.5	0.0006	105	80	120	0.328	0	
Cadmium	0.5408	mg/L	0.0020	0.5	0	108	80	120	1.10	0	
Calcium	53.59	mg/L	1.0	50.5	0.0397	106	80	120	0.608	0	
Chromium	0.5336	mg/L	0.0060	0.5	0	107	80	120	1.33	0	
Copper	0.5580	mg/L	0.0060	0.5	0	112	80	120	0.846	0	
Iron	0.5285	mg/L	0.020	0.5	0	106	80	120	1.51	0	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 6010B: Dissolved Metals**											
Sample ID: **LCSRR**		*LCS*				Batch ID:	**R42402**	Analysis Date:		11/30/2010 8:59:13 AM	
Lead	0.5474	mg/L	0.0050	0.5	0	109	80	120	0.872	0	
Magnesium	53.22	mg/L	1.0	50.5	0.0407	105	80	120	1.01	0	
Manganese	0.5238	mg/L	0.0020	0.5	0	105	80	120	0.167	0	
Potassium	55.05	mg/L	1.0	55	0	100	80	120	1.08	0	
Selenium	0.5020	mg/L	0.050	0.5	0	100	80	120	0.623	0	
Silver	0.5245	mg/L	0.0050	0.5	0	105	80	120	0.550	0	
Sodium	51.69	mg/L	1.0	50.5	0.0742	102	80	120	1.21	0	
Zinc	0.5378	mg/L	0.050	0.5	0	108	80	120	1.46	0	
Sample ID: **LCS**		*LCS*				Batch ID:	**R42480**	Analysis Date:		12/3/2010 11:46:45 AM	
Calcium	50.64	mg/L	1.0	50.5	0	100	80	120			
Magnesium	48.19	mg/L	1.0	50.5	0	95.4	80	120			
Potassium	44.83	mg/L	1.0	55	0	81.5	80	120			
Sodium	44.04	mg/L	1.0	50.5	0.1433	86.9	80	120			
Sample ID: **LCSRR**		*LCS*				Batch ID:	**R42480**	Analysis Date:		12/3/2010 1:48:00 PM	
Calcium	50.54	mg/L	1.0	50.5	0	100	80	120	0.211	0	
Magnesium	47.60	mg/L	1.0	50.5	0	94.3	80	120	1.24	0	
Potassium	44.23	mg/L	1.0	55	0	80.4	80	120	1.36	0	
Sodium	43.73	mg/L	1.0	50.5	0.1433	86.3	80	120	0.718	0	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th Qtr 2010 **Work Order:** 1011631

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-24625		*MBLK*				Batch ID:	**24625**	Analysis Date:	11/24/2010 4:41:49 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Lead	ND	mg/L	0.0050								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sample ID: MB-24625		*MBLK*				Batch ID:	**24625**	Analysis Date:	11/30/2010 9:02:20 AM		
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Manganese	ND	mg/L	0.0020								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-24625		*LCS*				Batch ID:	**24625**	Analysis Date:	11/24/2010 4:44:52 PM		
Arsenic	0.5448	mg/L	0.020	0.5	0	109	80	120			
Barium	0.5232	mg/L	0.020	0.5	0	105	80	120			
Cadmium	0.5241	mg/L	0.0020	0.5	0	105	80	120			
Chromium	0.5405	mg/L	0.0060	0.5	0	108	80	120			
Iron	0.5656	mg/L	0.050	0.5	0	113	80	120			
Lead	0.5395	mg/L	0.0050	0.5	0	108	80	120			
Selenium	0.5142	mg/L	0.050	0.5	0	103	80	120			
Silver	0.5023	mg/L	0.0050	0.5	0	100	80	120			
Sample ID: LCS-24625		*LCS*				Batch ID:	**24625**	Analysis Date:	11/30/2010 9:05:44 AM		
Barium	0.5442	mg/L	0.020	0.5	0	109	80	120			
Cadmium	0.5531	mg/L	0.0020	0.5	0.0003	111	80	120			
Chromium	0.5455	mg/L	0.0060	0.5	0	109	80	120			
Copper	0.5984	mg/L	0.0060	0.5	0	120	80	120			
Iron	0.5404	mg/L	0.050	0.5	0	108	80	120			
Lead	0.5591	mg/L	0.0050	0.5	0	112	80	120			
Manganese	0.5427	mg/L	0.0020	0.5	0.0001	109	80	120			
Silver	0.5425	mg/L	0.0050	0.5	0.0006	108	80	120			
Zinc	0.5509	mg/L	0.020	0.5	0.0019	110	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU — Date Received: 11/12/2010

Work Order Number 1011631 — Received by: LNM

Checklist completed by: _____ 11/16/10 — Sample ID labels checked by: _____

Signature — Date — Initials

Matrix: — *Carrier name:* Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
[redacted] VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Wat[redacted] Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**3.0°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Added 0.4 mL HNO3 to vial #5E + 5F, added 1 mL HNO3 to vial #5C, 5D, UC and UD to get to acceptable pH level for proper analysis. JCG 11/16/10

Corrective Action _____

Chain-of-Custody Record

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

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 4th QTR 2010
Project #: OW + LDU
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 3.0

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	WQCC Metals - Total	" - DSS (Filtered)	Major Cat/Anions	Air Bubbles (Y or N)
11/10/10	1215	H2O	OW-10			1011631-1			X							X		X	X	X	
	1431		OW-01			-2			X							X		X	X	X	
11/10/10	1000		Field Blank			-3										X					
11/11/10	1035		East LDU			-4	X		X									X	X		
/	1020		West LDU			-5	|		|									|	|		
/	1045		Oil Sump LDU			-6	|		|									|	|		
			Trip Blank (2)			-7										X					

Date	Time	Relinquished by:	Received by:	Date	Time
11/10/10	1145			11/12/10	1350
11/10/10	1650				

Remarks: OW-01 same tests as OW-10 as per Cheryl on 11/16/10 dam.

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

OW 13,14,29.30

COVER LETTER

Monday, March 29, 2010

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

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

RE: 2010 1st QTR

Order No.: 1003643

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 3/26/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1003643	**Collection Date:**	3/24/2010 2:40:00 PM
Project:	2010 1st QTR	**Date Received:**	3/26/2010
Lab ID:	1003643-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Toluene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Ethylbenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Methyl tert-butyl ether (MTBE)	1100	20		µg/L	20	3/26/2010 3:37:52 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Naphthalene	ND	10		µg/L	5	3/26/2010 4:05:22 PM
1-Methylnaphthalene	ND	20		µg/L	5	3/26/2010 4:05:22 PM
2-Methylnaphthalene	ND	20		µg/L	5	3/26/2010 4:05:22 PM
Acetone	ND	50		µg/L	5	3/26/2010 4:05:22 PM
Bromobenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Bromoform	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Bromomethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
2-Butanone	ND	50		µg/L	5	3/26/2010 4:05:22 PM
Carbon disulfide	ND	50		µg/L	5	3/26/2010 4:05:22 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Chlorobenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Chloroethane	ND	10		µg/L	5	3/26/2010 4:05:22 PM
Chloroform	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Chloromethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/26/2010 4:05:22 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Dibromomethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/26/2010 4:05:22 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1003643	**Collection Date:**	3/24/2010 2:40:00 PM
Project:	2010 1st QTR	**Date Received:**	3/26/2010
Lab ID:	1003643-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	50		µg/L	5	3/26/2010 4:05:22 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/26/2010 4:05:22 PM
Methylene Chloride	ND	15		µg/L	5	3/26/2010 4:05:22 PM
n-Butylbenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Styrene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/26/2010 4:05:22 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/26/2010 4:05:22 PM
Vinyl chloride	ND	5.0		µg/L	5	3/26/2010 4:05:22 PM
Xylenes, Total	ND	7.5		µg/L	5	3/26/2010 4:05:22 PM
Surr: 1,2-Dichloroethane-d4	103	54.6-141		%REC	5	3/26/2010 4:05:22 PM
Surr: 4-Bromofluorobenzene	122	60.1-133		%REC	5	3/26/2010 4:05:22 PM
Surr: Dibromofluoromethane	109	78.5-130		%REC	5	3/26/2010 4:05:22 PM
Surr: Toluene-d8	111	79.5-126		%REC	5	3/26/2010 4:05:22 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1003643	**Collection Date:**	3/24/2010 3:38:00 PM
Project:	2010 1st QTR	**Date Received:**	3/26/2010
Lab ID:	1003643-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	250	5.0		µg/L	5	3/26/2010 5:28:28 PM
Toluene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Ethylbenzene	10	5.0		µg/L	5	3/26/2010 5:28:28 PM
Methyl tert-butyl ether (MTBE)	1500	20		µg/L	20	3/26/2010 6:00:44 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Naphthalene	ND	10		µg/L	5	3/26/2010 5:28:28 PM
1-Methylnaphthalene	ND	20		µg/L	5	3/26/2010 5:28:28 PM
2-Methylnaphthalene	ND	20		µg/L	5	3/26/2010 5:28:28 PM
Acetone	ND	50		µg/L	5	3/26/2010 5:28:28 PM
Bromobenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Bromoform	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Bromomethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
2-Butanone	ND	50		µg/L	5	3/26/2010 5:28:28 PM
Carbon disulfide	ND	50		µg/L	5	3/26/2010 5:28:28 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Chlorobenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Chloroethane	ND	10		µg/L	5	3/26/2010 5:28:28 PM
Chloroform	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Chloromethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/26/2010 5:28:28 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Dibromomethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/26/2010 5:28:28 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1003643	**Collection Date:**	3/24/2010 3:38:00 PM
Project:	2010 1st QTR	**Date Received:**	*3/26/2010*
Lab ID:	1003643-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	50		µg/L	5	3/26/2010 5:28:28 PM
Isopropylbenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/26/2010 5:28:28 PM
Methylene Chloride	ND	15		µg/L	5	3/26/2010 5:28:28 PM
n-Butylbenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
n-Propylbenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
sec-Butylbenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Styrene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/26/2010 5:28:28 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/26/2010 5:28:28 PM
Vinyl chloride	ND	5.0		µg/L	5	3/26/2010 5:28:28 PM
Xylenes, Total	ND	7.5		µg/L	5	3/26/2010 5:28:28 PM
Surr: 1,2-Dichloroethane-d4	109	54.6-141		%REC	5	3/26/2010 5:28:28 PM
Surr: 4-Bromofluorobenzene	116	60.1-133		%REC	5	3/26/2010 5:28:28 PM
Surr: Dibromofluoromethane	114	78.5-130		%REC	5	3/26/2010 5:28:28 PM
Surr: Toluene-d8	109	79.5-126		%REC	5	3/26/2010 5:28:28 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1003643	**Collection Date:**	3/25/2010 10:02:00 AM
Project:	2010 1st QTR	**Date Received:**	3/26/2010
Lab ID:	1003643-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Toluene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Ethylbenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Methyl tert-butyl ether (MTBE)	120	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Naphthalene	ND	2.0		µg/L	1	3/26/2010 6:23:38 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/26/2010 6:23:38 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/26/2010 6:23:38 PM
Acetone	ND	10		µg/L	1	3/26/2010 6:23:38 PM
Bromobenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Bromoform	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Bromomethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
2-Butanone	ND	10		µg/L	1	3/26/2010 6:23:38 PM
Carbon disulfide	ND	10		µg/L	1	3/26/2010 6:23:38 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Chlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Chloroethane	ND	2.0		µg/L	1	3/26/2010 6:23:38 PM
Chloroform	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Chloromethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/26/2010 6:23:38 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Dibromomethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/26/2010 6:23:38 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1003643	**Collection Date:**	3/25/2010 10:02:00 AM
Project:	2010 1st QTR	**Date Received:**	3/26/2010
Lab ID:	1003643-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	3/26/2010 6:23:38 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2010 6:23:38 PM
Methylene Chloride	ND	3.0		µg/L	1	3/26/2010 6:23:38 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Styrene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/26/2010 6:23:38 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/26/2010 6:23:38 PM
Vinyl chloride	ND	1.0		µg/L	1	3/26/2010 6:23:38 PM
Xylenes, Total	ND	1.5		µg/L	1	3/26/2010 6:23:38 PM
Surr: 1,2-Dichloroethane-d4	108	54.6-141		%REC	1	3/26/2010 6:23:38 PM
Surr: 4-Bromofluorobenzene	110	60.1-133		%REC	1	3/26/2010 6:23:38 PM
Surr: Dibromofluoromethane	112	78.5-130		%REC	1	3/26/2010 6:23:38 PM
Surr: Toluene-d8	109	79.5-126		%REC	1	3/26/2010 6:23:38 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1003643	**Collection Date:**	3/25/2010 2:52:00 PM
Project:	2010 1st QTR	**Date Received:**	3/26/2010
Lab ID:	1003643-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Toluene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Ethylbenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Methyl tert-butyl ether (MTBE)	2.3	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Naphthalene	ND	2.0		µg/L	1	3/26/2010 6:51:07 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/26/2010 6:51:07 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/26/2010 6:51:07 PM
Acetone	ND	10		µg/L	1	3/26/2010 6:51:07 PM
Bromobenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Bromoform	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Bromomethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
2-Butanone	ND	10		µg/L	1	3/26/2010 6:51:07 PM
Carbon disulfide	ND	10		µg/L	1	3/26/2010 6:51:07 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Chlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Chloroethane	ND	2.0		µg/L	1	3/26/2010 6:51:07 PM
Chloroform	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Chloromethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/26/2010 6:51:07 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Dibromomethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/26/2010 6:51:07 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1003643	**Collection Date:**	3/25/2010 2:52:00 PM
Project:	2010 1st QTR	**Date Received:**	3/26/2010
Lab ID:	1003643-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	3/26/2010 6:51:07 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2010 6:51:07 PM
Methylene Chloride	ND	3.0		µg/L	1	3/26/2010 6:51:07 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Styrene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/26/2010 6:51:07 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/26/2010 6:51:07 PM
Vinyl chloride	ND	1.0		µg/L	1	3/26/2010 6:51:07 PM
Xylenes, Total	ND	1.5		µg/L	1	3/26/2010 6:51:07 PM
Surr: 1,2-Dichloroethane-d4	104	54.6-141		%REC	1	3/26/2010 6:51:07 PM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	3/26/2010 6:51:07 PM
Surr: Dibromofluoromethane	111	78.5-130		%REC	1	3/26/2010 6:51:07 PM
Surr: Toluene-d8	112	79.5-126		%REC	1	3/26/2010 6:51:07 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1003643	**Collection Date:**	
Project:	2010 1st QTR	**Date Received:**	3/26/2010
Lab ID:	1003643-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Toluene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Ethylbenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Naphthalene	ND	2.0		µg/L	1	3/26/2010 8:13:36 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/26/2010 8:13:36 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/26/2010 8:13:36 PM
Acetone	ND	10		µg/L	1	3/26/2010 8:13:36 PM
Bromobenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Bromoform	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Bromomethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
2-Butanone	ND	10		µg/L	1	3/26/2010 8:13:36 PM
Carbon disulfide	ND	10		µg/L	1	3/26/2010 8:13:36 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Chlorobenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Chloroethane	ND	2.0		µg/L	1	3/26/2010 8:13:36 PM
Chloroform	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Chloromethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/26/2010 8:13:36 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Dibromomethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/26/2010 8:13:36 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: TRIP BLANK
Lab Order: 1003643
Collection Date:
Project: 2010 1st QTR
Date Received: 3/26/2010
Lab ID: 1003643-05
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	3/26/2010 8:13:36 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/26/2010 8:13:36 PM
Methylene Chloride	ND	3.0		µg/L	1	3/26/2010 8:13:36 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Styrene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/26/2010 8:13:36 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/26/2010 8:13:36 PM
Vinyl chloride	ND	1.0		µg/L	1	3/26/2010 8:13:36 PM
Xylenes, Total	ND	1.5		µg/L	1	3/26/2010 8:13:36 PM
Surr: 1,2-Dichloroethane-d4	104	54.6-141		%REC	1	3/26/2010 8:13:36 PM
Surr: 4-Bromofluorobenzene	112	60.1-133		%REC	1	3/26/2010 8:13:36 PM
Surr: Dibromofluoromethane	104	78.5-130		%REC	1	3/26/2010 8:13:36 PM
Surr: Toluene-d8	107	79.5-126		%REC	1	3/26/2010 8:13:36 PM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003643

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1003643-04a msd		*MSD*				Batch ID: **R37941**		Analysis Date:		3/26/2010 7:46:06 PM	
Benzene	18.49	µg/L	1.0	20	0	92.5	75.7	118	4.43	15	
Toluene	20.53	µg/L	1.0	20	0	103	80.1	114	0.494	15	
Chlorobenzene	19.21	µg/L	1.0	20	0	96.0	81.5	112	8.39	15	
1,1-Dichloroethene	22.55	µg/L	1.0	20	0	113	77.4	132	4.95	17.8	
Trichloroethene (TCE)	16.83	µg/L	1.0	20	0	84.2	61.1	121	0.00475	19.8	
Sample ID: 5ml rb		*MBLK*				Batch ID: **R37941**		Analysis Date:		3/26/2010 8:42:44 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 1st QTR **Work Order:** 1003643

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R37941**	Analysis Date:		3/26/2010 8:42:44 AM	
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs_b		*LCS*				Batch ID:	**R37941**	Analysis Date:		3/26/2010 11:28:52 AM	
Benzene	18.63	µg/L	1.0	20	0	93.1	76.7	114			
Toluene	21.23	µg/L	1.0	20	0	106	78.4	117			
Chlorobenzene	20.28	µg/L	1.0	20	0	101	80.7	127			
1,1-Dichloroethene	23.29	µg/L	1.0	20	0	116	80.2	128			
Trichloroethene (TCE)	17.95	µg/L	1.0	20	0	89.7	77.4	115			
Sample ID: 1003643-04a ms		*MS*				Batch ID:	**R37941**	Analysis Date:		3/26/2010 7:18:38 PM	
Benzene	19.33	µg/L	1.0	20	0	96.7	75.7	118			
Toluene	20.43	µg/L	1.0	20	0	102	80.1	114			
Chlorobenzene	20.89	µg/L	1.0	20	0	104	81.5	112			
1,1-Dichloroethene	23.70	µg/L	1.0	20	0	118	77.4	132			
Trichloroethene (TCE)	16.83	µg/L	1.0	20	0	84.2	61.1	121			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/26/2010**

Work Order Number **1003643** Received by: ARS

Checklist completed by: _____ 3/26/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**4.9°**	*<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: PO Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
- [X] Standard
- [ ] Level 4 (Full Validation)
- [ ] Other
- [ ] EDD (Type)

Turn-Around Time:
- [X] Standard
- [ ] Rush

Project Name: 2010 1st QTR

Project #: OW 13,14,29,30

Project Manager: G. Rasen

Sampler: Cheryl Johnson

On Ice: [X] Yes [ ] No

Sample Temperature: 4.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1003643
3/24/10	1440	Aq	OW-30	40ml-3		1
"	1538		OW-14			2
3/25/10	1002		OW-29			3
"	1452		OW-13			4
			Trip Blank			5

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
									X						
									X						
									X						
									X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/26/10	1530				
Date:	Time:	Relinquished by:	Received by:	3/26/10	8:50

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

OW 13,14,29,30

COVER LETTER

Friday, June 11, 2010

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

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

RE: 2nd Qtr OW Wells

Order No.: 1006252

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 6/8/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1006252	**Collection Date:**	6/4/2010 2:30:00 PM
Project:	2nd Qtr OW Wells	**Date Received:**	6/8/2010
Lab ID:	1006252-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Toluene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Ethylbenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Methyl tert-butyl ether (MTBE)	1000	20		µg/L	20	6/10/2010 8:58:07 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Naphthalene	ND	2.0		µg/L	1	6/10/2010 9:25:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/10/2010 9:25:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/10/2010 9:25:47 PM
Acetone	ND	10		µg/L	1	6/10/2010 9:25:47 PM
Bromobenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Bromoform	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Bromomethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
2-Butanone	ND	10		µg/L	1	6/10/2010 9:25:47 PM
Carbon disulfide	ND	10		µg/L	1	6/10/2010 9:25:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Chlorobenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Chloroethane	ND	2.0		µg/L	1	6/10/2010 9:25:47 PM
Chloroform	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Chloromethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/10/2010 9:25:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Dibromomethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/10/2010 9:25:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1006252	**Collection Date:**	6/4/2010 2:30:00 PM
Project:	2nd Qtr OW Wells	**Date Received:**	6/8/2010
Lab ID:	1006252-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	6/10/2010 9:25:47 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/10/2010 9:25:47 PM
Methylene Chloride	ND	3.0		µg/L	1	6/10/2010 9:25:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Styrene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/10/2010 9:25:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/10/2010 9:25:47 PM
Vinyl chloride	ND	1.0		µg/L	1	6/10/2010 9:25:47 PM
Xylenes, Total	ND	1.5		µg/L	1	6/10/2010 9:25:47 PM
Surr: 1,2-Dichloroethane-d4	89.9	54.6-141		%REC	1	6/10/2010 9:25:47 PM
Surr: 4-Bromofluorobenzene	102	60.1-133		%REC	1	6/10/2010 9:25:47 PM
Surr: Dibromofluoromethane	89.6	78.5-130		%REC	1	6/10/2010 9:25:47 PM
Surr: Toluene-d8	104	79.5-126		%REC	1	6/10/2010 9:25:47 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1006252	**Collection Date:**	6/7/2010 8:38:00 AM
Project:	2nd Qtr OW Wells	**Date Received:**	6/8/2010
Lab ID:	1006252-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	330	10		µg/L	10	6/10/2010 10:20:55 PM
Toluene	1.8	1.0		µg/L	1	6/10/2010 10:48:37 PM
Ethylbenzene	8.5	1.0		µg/L	1	6/10/2010 10:48:37 PM
Methyl tert-butyl ether (MTBE)	1400	10		µg/L	10	6/10/2010 10:20:55 PM
1,2,4-Trimethylbenzene	1.1	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,2-Dichloroethane (EDC)	1.5	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Naphthalene	ND	2.0		µg/L	1	6/10/2010 10:48:37 PM
1-Methylnaphthalene	20	4.0		µg/L	1	6/10/2010 10:48:37 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/10/2010 10:48:37 PM
Acetone	ND	10		µg/L	1	6/10/2010 10:48:37 PM
Bromobenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Bromoform	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Bromomethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
2-Butanone	ND	10		µg/L	1	6/10/2010 10:48:37 PM
Carbon disulfide	ND	10		µg/L	1	6/10/2010 10:48:37 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Chlorobenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Chloroethane	ND	2.0		µg/L	1	6/10/2010 10:48:37 PM
Chloroform	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Chloromethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/10/2010 10:48:37 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Dibromomethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/10/2010 10:48:37 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1006252	**Collection Date:**	6/7/2010 8:38:00 AM
Project:	2nd Qtr OW Wells	**Date Received:**	6/8/2010
Lab ID:	1006252-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	6/10/2010 10:48:37 PM
Isopropylbenzene	2.6	1.0		µg/L	1	6/10/2010 10:48:37 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/10/2010 10:48:37 PM
Methylene Chloride	ND	3.0		µg/L	1	6/10/2010 10:48:37 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
sec-Butylbenzene	2.4	1.0		µg/L	1	6/10/2010 10:48:37 PM
Styrene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/10/2010 10:48:37 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/10/2010 10:48:37 PM
Vinyl chloride	ND	1.0		µg/L	1	6/10/2010 10:48:37 PM
Xylenes, Total	ND	1.5		µg/L	1	6/10/2010 10:48:37 PM
Surr: 1,2-Dichloroethane-d4	93.0	54.6-141		%REC	1	6/10/2010 10:48:37 PM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	1	6/10/2010 10:48:37 PM
Surr: Dibromofluoromethane	97.3	78.5-130		%REC	1	6/10/2010 10:48:37 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	6/10/2010 10:48:37 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1006252	**Collection Date:**	6/7/2010 9:35:00 AM
Project:	2nd Qtr OW Wells	**Date Received:**	6/8/2010
Lab ID:	1006252-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Toluene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Ethylbenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Methyl tert-butyl ether (MTBE)	150	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Naphthalene	ND	2.0		µg/L	1	6/10/2010 11:43:45 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/10/2010 11:43:45 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/10/2010 11:43:45 PM
Acetone	ND	10		µg/L	1	6/10/2010 11:43:45 PM
Bromobenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Bromoform	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Bromomethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
2-Butanone	ND	10		µg/L	1	6/10/2010 11:43:45 PM
Carbon disulfide	ND	10		µg/L	1	6/10/2010 11:43:45 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Chlorobenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Chloroethane	ND	2.0		µg/L	1	6/10/2010 11:43:45 PM
Chloroform	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Chloromethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/10/2010 11:43:45 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Dibromomethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/10/2010 11:43:45 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1006252	**Collection Date:**	6/7/2010 9:35:00 AM
Project:	2nd Qtr OW Wells	**Date Received:**	6/8/2010
Lab ID:	1006252-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	6/10/2010 11:43:45 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/10/2010 11:43:45 PM
Methylene Chloride	ND	3.0		µg/L	1	6/10/2010 11:43:45 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Styrene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/10/2010 11:43:45 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/10/2010 11:43:45 PM
Vinyl chloride	ND	1.0		µg/L	1	6/10/2010 11:43:45 PM
Xylenes, Total	ND	1.5		µg/L	1	6/10/2010 11:43:45 PM
Surr: 1,2-Dichloroethane-d4	87.1	54.6-141		%REC	1	6/10/2010 11:43:45 PM
Surr: 4-Bromofluorobenzene	103	60.1-133		%REC	1	6/10/2010 11:43:45 PM
Surr: Dibromofluoromethane	88.8	78.5-130		%REC	1	6/10/2010 11:43:45 PM
Surr: Toluene-d8	102	79.5-126		%REC	1	6/10/2010 11:43:45 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1006252	**Collection Date:**	6/7/2010 11:18:00 AM
Project:	2nd Qtr OW Wells	**Date Received:**	6/8/2010
Lab ID:	1006252-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Toluene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Ethylbenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Methyl tert-butyl ether (MTBE)	2.7	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Naphthalene	ND	2.0		µg/L	1	6/11/2010 12:11:22 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/11/2010 12:11:22 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/11/2010 12:11:22 AM
Acetone	ND	10		µg/L	1	6/11/2010 12:11:22 AM
Bromobenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Bromoform	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Bromomethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
2-Butanone	ND	10		µg/L	1	6/11/2010 12:11:22 AM
Carbon disulfide	ND	10		µg/L	1	6/11/2010 12:11:22 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Chlorobenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Chloroethane	ND	2.0		µg/L	1	6/11/2010 12:11:22 AM
Chloroform	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Chloromethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/11/2010 12:11:22 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Dibromomethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/11/2010 12:11:22 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1006252	**Collection Date:**	6/7/2010 11:18:00 AM
Project:	2nd Qtr OW Wells	**Date Received:**	6/8/2010
Lab ID:	1006252-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	6/11/2010 12:11:22 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/11/2010 12:11:22 AM
Methylene Chloride	ND	3.0		µg/L	1	6/11/2010 12:11:22 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Styrene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/11/2010 12:11:22 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/11/2010 12:11:22 AM
Vinyl chloride	ND	1.0		µg/L	1	6/11/2010 12:11:22 AM
Xylenes, Total	ND	1.5		µg/L	1	6/11/2010 12:11:22 AM
Surr: 1,2-Dichloroethane-d4	92.2	54.6-141		%REC	1	6/11/2010 12:11:22 AM
Surr: 4-Bromofluorobenzene	104	60.1-133		%REC	1	6/11/2010 12:11:22 AM
Surr: Dibromofluoromethane	97.6	78.5-130		%REC	1	6/11/2010 12:11:22 AM
Surr: Toluene-d8	101	79.5-126		%REC	1	6/11/2010 12:11:22 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1006252	**Collection Date:**	
Project:	2nd Qtr OW Wells	**Date Received:**	6/8/2010
Lab ID:	1006252-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Toluene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Ethylbenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Naphthalene	ND	2.0		µg/L	1	6/11/2010 3:25:21 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/11/2010 3:25:21 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/11/2010 3:25:21 AM
Acetone	ND	10		µg/L	1	6/11/2010 3:25:21 AM
Bromobenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Bromoform	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Bromomethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
2-Butanone	ND	10		µg/L	1	6/11/2010 3:25:21 AM
Carbon disulfide	ND	10		µg/L	1	6/11/2010 3:25:21 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Chlorobenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Chloroethane	ND	2.0		µg/L	1	6/11/2010 3:25:21 AM
Chloroform	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Chloromethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/11/2010 3:25:21 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Dibromomethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/11/2010 3:25:21 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1006252	**Collection Date:**	
Project:	2nd Qtr OW Wells	**Date Received:**	6/8/2010
Lab ID:	1006252-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	6/11/2010 3:25:21 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/11/2010 3:25:21 AM
Methylene Chloride	ND	3.0		µg/L	1	6/11/2010 3:25:21 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Styrene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/11/2010 3:25:21 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/11/2010 3:25:21 AM
Vinyl chloride	ND	1.0		µg/L	1	6/11/2010 3:25:21 AM
Xylenes, Total	ND	1.5		µg/L	1	6/11/2010 3:25:21 AM
Surr: 1,2-Dichloroethane-d4	87.3	54.6-141		%REC	1	6/11/2010 3:25:21 AM
Surr: 4-Bromofluorobenzene	106	60.1-133		%REC	1	6/11/2010 3:25:21 AM
Surr: Dibromofluoromethane	93.2	78.5-130		%REC	1	6/11/2010 3:25:21 AM
Surr: Toluene-d8	107	79.5-126		%REC	1	6/11/2010 3:25:21 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr OW Wells **Work Order:** 1006252

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1006252-03a msd		*MSD*				Batch ID:	**R39207**	Analysis Date:		6/11/2010 2:29:57 AM	
Benzene	18.37	µg/L	1.0	20	0	91.9	75.7	118	4.32	15	
Toluene	21.54	µg/L	1.0	20	0	108	80.1	114	5.46	15	
Chlorobenzene	20.51	µg/L	1.0	20	0	103	81.5	112	0.825	15	
1,1-Dichloroethene	20.60	µg/L	1.0	20	0	103	77.4	132	7.67	17.8	
Trichloroethene (TCE)	16.90	µg/L	1.0	20	0	84.5	61.1	121	2.51	19.8	
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R39207**	Analysis Date:		6/10/2010 9:47:44 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr OW Wells **Work Order:** 1006252

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39207**		Analysis Date:	6/10/2010 9:47:44 AM		
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dichlorobenzene	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: b12		*MBLK*				Batch ID: **R39207**		Analysis Date:	6/11/2010 12:39:09 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr OW Wells **Work Order:** 1006252

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b12		*MBLK*					**Batch ID: R39207**		**Analysis Date:**	6/11/2010 12:39:09 AM	
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr OW Wells **Work Order:** 1006252

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b12		*MBLK*				Batch ID:	**R39207**	Analysis Date:	6/11/2010 12:39:09 AM		
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs_b		*LCS*				Batch ID:	**R39207**	Analysis Date:	6/10/2010 1:34:23 PM		
Benzene	18.86	µg/L	1.0	20	0	94.3	82.4	116			
Toluene	21.25	µg/L	1.0	20	0	106	89.5	123			
Chlorobenzene	20.72	µg/L	1.0	20	0	104	87.8	120			
1,1-Dichloroethene	20.93	µg/L	1.0	20	0	105	90.3	138			
Trichloroethene (TCE)	17.21	µg/L	1.0	20	0	86.0	64	129			
Sample ID: 100ng lcs_b		*LCS*				Batch ID:	**R39207**	Analysis Date:	6/11/2010 1:34:34 AM		
Benzene	18.66	µg/L	1.0	20	0	93.3	82.4	116			
Toluene	21.38	µg/L	1.0	20	0	107	89.5	123			
Chlorobenzene	20.36	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	21.20	µg/L	1.0	20	0	106	90.3	138			
Trichloroethene (TCE)	17.45	µg/L	1.0	20	0	87.2	64	129			
Sample ID: 1006252-03a ms		*MS*				Batch ID:	**R39207**	Analysis Date:	6/11/2010 2:02:16 AM		
Benzene	19.18	µg/L	1.0	20	0	95.9	75.7	118			
Toluene	20.40	µg/L	1.0	20	0	102	80.1	114			
Chlorobenzene	20.34	µg/L	1.0	20	0	102	81.5	112			
1,1-Dichloroethene	22.24	µg/L	1.0	20	0	111	77.4	132			
Trichloroethene (TCE)	17.33	µg/L	1.0	20	0	86.6	61.1	121			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **6/8/2010**

Work Order Number **1006252** Received by: ARS

Checklist completed by: _____ 6/8/10 Sample ID labels checked by: _____

Signature Date Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**0.3°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

_____

_____

_____

_____

Corrective Action _____

_____

_____

Chain-of-Custody Record

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

Turn-Around Time:
[X] Standard [ ] Rush
Project Name: 2nd QTR OW Wells
Project #:
Project Manager: CJohnson
Sampler: CJohnson
On Ice: [X] Yes [ ] No
Sample Temperature: 0.3

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1006252
6/4/10	1430	H2O	OW-30	4-40ml	HCl	1
6/7/10	0838	"	OW-14	"	"	2
"	0935	"	OW-29	"	"	3
"	1118	"	OW-13	"	"	4
			Trip Blank			5

Date: 6/7/10 Time: 1200 Relinquished by:
Date: Time: Relinquished by:
Received by: Date: 6/8/10 Time: 9:15
Received by: Date: Time:

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

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) 1+MTBE	8270 (Semi-VOA)					Air Bubbles (Y or N)
									X						
									X						
									X						
									X						

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

OW 13, 14, 29

COVER LETTER

Tuesday, October 05, 2010

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

TEL: (505) 722-0231
FAX: (505) 722-0210

RE: 3rd QTR 2010

Order No.: 1009A56

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 9/23/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1009A56	**Collection Date:**	9/22/2010 9:52:00 AM
Project:	3rd QTR 2010	**Date Received:**	9/23/2010
Lab ID:	1009A56-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Toluene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Ethylbenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Methyl tert-butyl ether (MTBE)	3.1	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Naphthalene	ND	2.0		µg/L	1	9/29/2010 4:16:17 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2010 4:16:17 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2010 4:16:17 PM
Acetone	ND	10		µg/L	1	9/29/2010 4:16:17 PM
Bromobenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Bromoform	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Bromomethane	ND	3.0		µg/L	1	9/29/2010 4:16:17 PM
2-Butanone	ND	10		µg/L	1	9/29/2010 4:16:17 PM
Carbon disulfide	ND	10		µg/L	1	9/29/2010 4:16:17 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Chlorobenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Chloroethane	ND	2.0		µg/L	1	9/29/2010 4:16:17 PM
Chloroform	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Chloromethane	ND	3.0		µg/L	1	9/29/2010 4:16:17 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/29/2010 4:16:17 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Dibromomethane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/29/2010 4:16:17 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1009A56	**Collection Date:**	9/22/2010 9:52:00 AM
Project:	3rd QTR 2010	**Date Received:**	9/23/2010
Lab ID:	1009A56-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	9/29/2010 4:16:17 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/29/2010 4:16:17 PM
Methylene Chloride	ND	3.0		µg/L	1	9/29/2010 4:16:17 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Styrene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/29/2010 4:16:17 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/29/2010 4:16:17 PM
Vinyl chloride	ND	1.0		µg/L	1	9/29/2010 4:16:17 PM
Xylenes, Total	ND	1.5		µg/L	1	9/29/2010 4:16:17 PM
Surr: 1,2-Dichloroethane-d4	102	54.6-141		%REC	1	9/29/2010 4:16:17 PM
Surr: 4-Bromofluorobenzene	117	60.1-133		%REC	1	9/29/2010 4:16:17 PM
Surr: Dibromofluoromethane	97.1	78.5-130		%REC	1	9/29/2010 4:16:17 PM
Surr: Toluene-d8	112	79.5-126		%REC	1	9/29/2010 4:16:17 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1009A56	**Collection Date:**	9/22/2010 10:48:00 AM
Project:	3rd QTR 2010	**Date Received:**	9/23/2010
Lab ID:	1009A56-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	470	10		µg/L	10	9/29/2010 5:35:08 PM
Toluene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Ethylbenzene	8.3	1.0		µg/L	1	9/29/2010 6:01:17 PM
Methyl tert-butyl ether (MTBE)	1400	10		µg/L	10	9/29/2010 5:35:08 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,2-Dichloroethane (EDC)	2.2	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Naphthalene	ND	2.0		µg/L	1	9/29/2010 6:01:17 PM
1-Methylnaphthalene	22	4.0		µg/L	1	9/29/2010 6:01:17 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2010 6:01:17 PM
Acetone	ND	10		µg/L	1	9/29/2010 6:01:17 PM
Bromobenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Bromoform	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Bromomethane	ND	3.0		µg/L	1	9/29/2010 6:01:17 PM
2-Butanone	ND	10		µg/L	1	9/29/2010 6:01:17 PM
Carbon disulfide	ND	10		µg/L	1	9/29/2010 6:01:17 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Chlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Chloroethane	ND	2.0		µg/L	1	9/29/2010 6:01:17 PM
Chloroform	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Chloromethane	ND	3.0		µg/L	1	9/29/2010 6:01:17 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/29/2010 6:01:17 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Dibromomethane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/29/2010 6:01:17 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1009A56	**Collection Date:**	9/22/2010 10:48:00 AM
Project:	3rd QTR 2010	**Date Received:**	9/23/2010
Lab ID:	1009A56-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	9/29/2010 6:01:17 PM
Isopropylbenzene	2.9	1.0		µg/L	1	9/29/2010 6:01:17 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/29/2010 6:01:17 PM
Methylene Chloride	ND	3.0		µg/L	1	9/29/2010 6:01:17 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
sec-Butylbenzene	2.8	1.0		µg/L	1	9/29/2010 6:01:17 PM
Styrene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/29/2010 6:01:17 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/29/2010 6:01:17 PM
Vinyl chloride	ND	1.0		µg/L	1	9/29/2010 6:01:17 PM
Xylenes, Total	ND	1.5		µg/L	1	9/29/2010 6:01:17 PM
Surr: 1,2-Dichloroethane-d4	134	54.6-141		%REC	1	9/29/2010 6:01:17 PM
Surr: 4-Bromofluorobenzene	115	60.1-133		%REC	1	9/29/2010 6:01:17 PM
Surr: Dibromofluoromethane	118	78.5-130		%REC	10	9/29/2010 5:35:08 PM
Surr: Toluene-d8	99.1	79.5-126		%REC	1	9/29/2010 6:01:17 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1009A56	**Collection Date:**	9/22/2010 2:38:00 PM
Project:	3rd QTR 2010	**Date Received:**	9/23/2010
Lab ID:	1009A56-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Toluene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Ethylbenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Methyl tert-butyl ether (MTBE)	190	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Naphthalene	ND	2.0		µg/L	1	9/27/2010 11:39:10 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2010 11:39:10 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2010 11:39:10 AM
Acetone	ND	10		µg/L	1	9/27/2010 11:39:10 AM
Bromobenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Bromoform	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Bromomethane	ND	3.0		µg/L	1	9/27/2010 11:39:10 AM
2-Butanone	ND	10		µg/L	1	9/27/2010 11:39:10 AM
Carbon disulfide	ND	10		µg/L	1	9/27/2010 11:39:10 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Chlorobenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Chloroethane	ND	2.0		µg/L	1	9/27/2010 11:39:10 AM
Chloroform	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Chloromethane	ND	3.0		µg/L	1	9/27/2010 11:39:10 AM
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
cis-1,2-DCE	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2010 11:39:10 AM
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Dibromomethane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2010 11:39:10 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S 5 Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1009A56	**Collection Date:**	9/22/2010 2:38:00 PM
Project:	3rd QTR 2010	**Date Received:**	9/23/2010
Lab ID:	1009A56-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	9/27/2010 11:39:10 AM
Isopropylbenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/27/2010 11:39:10 AM
Methylene Chloride	ND	3.0		µg/L	1	9/27/2010 11:39:10 AM
n-Butylbenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
n-Propylbenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
sec-Butylbenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Styrene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2010 11:39:10 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2010 11:39:10 AM
Vinyl chloride	ND	1.0		µg/L	1	9/27/2010 11:39:10 AM
Xylenes, Total	ND	1.5		µg/L	1	9/27/2010 11:39:10 AM
Surr: 1,2-Dichloroethane-d4	115	54.6-141		%REC	1	9/27/2010 11:39:10 AM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	9/27/2010 11:39:10 AM
Surr: Dibromofluoromethane	115	78.5-130		%REC	1	9/27/2010 11:39:10 AM
Surr: Toluene-d8	107	79.5-126		%REC	1	9/27/2010 11:39:10 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1009A56	**Collection Date:**	9/22/2010 2:38:00 PM
Project:	3rd QTR 2010	**Date Received:**	9/23/2010
Lab ID:	1009A56-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Toluene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Ethylbenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Naphthalene	ND	2.0		µg/L	1	9/29/2010 6:53:27 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2010 6:53:27 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/29/2010 6:53:27 PM
Acetone	ND	10		µg/L	1	9/29/2010 6:53:27 PM
Bromobenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Bromoform	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Bromomethane	ND	3.0		µg/L	1	9/29/2010 6:53:27 PM
2-Butanone	ND	10		µg/L	1	9/29/2010 6:53:27 PM
Carbon disulfide	ND	10		µg/L	1	9/29/2010 6:53:27 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Chlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Chloroethane	ND	2.0		µg/L	1	9/29/2010 6:53:27 PM
Chloroform	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Chloromethane	ND	3.0		µg/L	1	9/29/2010 6:53:27 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/29/2010 6:53:27 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Dibromomethane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/29/2010 6:53:27 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1009A56	**Collection Date:**	9/22/2010 2:38:00 PM
Project:	3rd QTR 2010	**Date Received:**	9/23/2010
Lab ID:	1009A56-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	9/29/2010 6:53:27 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/29/2010 6:53:27 PM
Methylene Chloride	ND	3.0		µg/L	1	9/29/2010 6:53:27 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Styrene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/29/2010 6:53:27 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/29/2010 6:53:27 PM
Vinyl chloride	ND	1.0		µg/L	1	9/29/2010 6:53:27 PM
Xylenes, Total	ND	1.5		µg/L	1	9/29/2010 6:53:27 PM
Surr: 1,2-Dichloroethane-d4	118	54.6-141		%REC	1	9/29/2010 6:53:27 PM
Surr: 4-Bromofluorobenzene	107	60.1-133		%REC	1	9/29/2010 6:53:27 PM
Surr: Dibromofluoromethane	110	78.5-130		%REC	1	9/29/2010 6:53:27 PM
Surr: Toluene-d8	104	79.5-126		%REC	1	9/29/2010 6:53:27 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1009A56	**Collection Date:**	
Project:	3rd QTR 2010	**Date Received:**	9/23/2010
Lab ID:	1009A56-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Toluene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Ethylbenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Naphthalene	ND	2.0		µg/L	1	9/27/2010 12:05:20 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2010 12:05:20 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/27/2010 12:05:20 PM
Acetone	12	10		µg/L	1	9/27/2010 12:05:20 PM
Bromobenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Bromoform	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Bromomethane	ND	3.0		µg/L	1	9/27/2010 12:05:20 PM
2-Butanone	ND	10		µg/L	1	9/27/2010 12:05:20 PM
Carbon disulfide	ND	10		µg/L	1	9/27/2010 12:05:20 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Chlorobenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Chloroethane	ND	2.0		µg/L	1	9/27/2010 12:05:20 PM
Chloroform	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Chloromethane	ND	3.0		µg/L	1	9/27/2010 12:05:20 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/27/2010 12:05:20 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Dibromomethane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/27/2010 12:05:20 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1009A56	**Collection Date:**	
Project:	3rd QTR 2010	**Date Received:**	9/23/2010
Lab ID:	1009A56-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	9/27/2010 12:05:20 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/27/2010 12:05:20 PM
Methylene Chloride	ND	3.0		µg/L	1	9/27/2010 12:05:20 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Styrene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/27/2010 12:05:20 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/27/2010 12:05:20 PM
Vinyl chloride	ND	1.0		µg/L	1	9/27/2010 12:05:20 PM
Xylenes, Total	ND	1.5		µg/L	1	9/27/2010 12:05:20 PM
Surr: 1,2-Dichloroethane-d4	117	54.6-141		%REC	1	9/27/2010 12:05:20 PM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	9/27/2010 12:05:20 PM
Surr: Dibromofluoromethane	110	78.5-130		%REC	1	9/27/2010 12:05:20 PM
Surr: Toluene-d8	109	79.5-126		%REC	1	9/27/2010 12:05:20 PM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd QTR 2010 **Work Order:** 1009A56

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1009a56-01a msd		*MSD*				Batch ID:	**R41262**	Analysis Date:		9/29/2010 5:08:53 PM	
Benzene	18.77	µg/L	1.0	20	0	93.8	75.7	118	0.213	15	
Toluene	19.94	µg/L	1.0	20	0	99.7	80.1	114	0.0602	15	
Chlorobenzene	20.33	µg/L	1.0	20	0	102	81.5	112	2.62	15	
1,1-Dichloroethene	20.71	µg/L	1.0	20	0	104	77.4	132	7.06	17.8	
Trichloroethene (TCE)	18.47	µg/L	1.0	20	0	92.3	61.1	121	1.18	19.8	
Sample ID: b2		*MBLK*				Batch ID:	**R41213**	Analysis Date:		9/27/2010 9:54:38 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd QTR 2010 **Work Order:** 1009A56

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*					Batch ID: **R41213**		Analysis Date:	9/27/2010 9:54:38 AM	
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
tran[redacted]-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml-rb		*MBLK*					Batch ID: **R41262**		Analysis Date:	9/29/2010 8:54:34 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bro[redacted]rm	ND	µg/L	1.0								
Bro[redacted]ethane	ND	µg/L	3.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd QTR 2010 **Work Order:** 1009A56

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
Batch ID: R41262		**Analysis Date: 9/29/2010 8:54:34 AM**									
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd QTR 2010 **Work Order:** 1009A56

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R41262**	Analysis Date:		9/29/2010 8:54:34 AM	
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41213**	Analysis Date:		9/27/2010 10:46:55 AM	
Benzene	19.70	µg/L	1.0	20	0	98.5	82.4	116			
Toluene	19.63	µg/L	1.0	20	0	98.2	89.5	123			
Chlorobenzene	20.48	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	20.22	µg/L	1.0	20	0	101	90.3	138			
Trichloroethene (TCE)	19.30	µg/L	1.0	20	0	96.5	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41262**	Analysis Date:		9/29/2010 9:57:48 AM	
Benzene	18.06	µg/L	1.0	20	0	90.3	82.4	116			
Toluene	18.09	µg/L	1.0	20	0	90.4	89.5	123			
Chlorobenzene	19.46	µg/L	1.0	20	0	97.3	87.8	120			
1,1-Dichloroethene	17.19	µg/L	1.0	20	0	86.0	90.3	138			S
Trichloroethene (TCE)	17.30	µg/L	1.0	20	0	86.5	64	129			
Sample ID: 1009a66-01a ms		*MS*				Batch ID:	**R41262**	Analysis Date:		9/29/2010 4:42:30 PM	
Benzene	18.73	µg/L	1.0	20	0	93.6	75.7	118			
Toluene	19.93	µg/L	1.0	20	0	99.6	80.1	114			
Chlorobenzene	19.80	µg/L	1.0	20	0	99.0	81.5	112			
1,1-Dichloroethene	19.30	µg/L	1.0	20	0	96.5	77.4	132			
Trichloroethene (TCE)	18.25	µg/L	1.0	20	0	91.3	61.1	121			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 9/23/2010

Work Order Number 1009A56 | Received by: AMF

Checklist completed by: Signature 9/23/10 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	<2 >12 unless noted below.
Container/Temp Blank temperature?	6.3°	<6° C Acceptable If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-Custody Record

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

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 3rd QTR 2010
Project #: OW 13, 14, 29
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 6.5

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1009456	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) +MTBE	8270 (Semi-VOA)	Air Bubbles (Y or N)
9/22/10	0952	H2O	OW-13			1										X		
"	1048	"	GW-14			2										X		
"	1438	"	OW-29			3										X		
"	0900	"	Field Blank			4												
			Trip Blank			5												

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/22/10	1600			9-22-10	1600
9-22-10	1720			9/23/10	12:20

Remarks:

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

OW 13, 14, 29, 30, 50, 52

COVER LETTER

Tuesday, December 14, 2010

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

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 4th QTR 2010

Order No.: 1011516

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 9 sample(s) on 11/10/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

12,28,05 PG #1 of 1 WO

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/8/2010 10:46:00 AM
Lab ID:	1011516-01A	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Toluene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Ethylbenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Methyl tert-butyl ether (MTBE)	1100	20		µg/L	20	11/13/2010 6:50:38 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Naphthalene	ND	2.0		µg/L	1	11/13/2010 7:18:04 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 7:18:04 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 7:18:04 AM
Acetone	ND	10		µg/L	1	11/13/2010 7:18:04 AM
Bromobenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Bromoform	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Bromomethane	ND	3.0		µg/L	1	11/13/2010 7:18:04 AM
2-Butanone	ND	10		µg/L	1	11/13/2010 7:18:04 AM
Carbon disulfide	ND	10		µg/L	1	11/13/2010 7:18:04 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Chlorobenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Chloroethane	ND	2.0		µg/L	1	11/13/2010 7:18:04 AM
Chloroform	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Chloromethane	ND	3.0		µg/L	1	11/13/2010 7:18:04 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/13/2010 7:18:04 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Dibromomethane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/13/2010 7:18:04 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/8/2010 10:46:00 AM
Lab ID:	1011516-01A	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
2-Hexanone	ND	10		µg/L	1	11/13/2010 7:18:04 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/13/2010 7:18:04 AM
Methylene Chloride	ND	3.0		µg/L	1	11/13/2010 7:18:04 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Styrene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/13/2010 7:18:04 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/13/2010 7:18:04 AM
Vinyl chloride	ND	1.0		µg/L	1	11/13/2010 7:18:04 AM
Xylenes, Total	ND	1.5		µg/L	1	11/13/2010 7:18:04 AM
Surr: 1,2-Dichloroethane-d4	96.4	77.7-113		%REC	1	11/13/2010 7:18:04 AM
Surr: 4-Bromofluorobenzene	104	76.4-106		%REC	1	11/13/2010 7:18:04 AM
Surr: Dibromofluoromethane	103	91.6-125		%REC	1	11/13/2010 7:18:04 AM
Surr: Toluene-d8	98.4	92.3-107		%REC	1	11/13/2010 7:18:04 AM

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/8/2010 12:02:00 PM
Lab ID:	1011516-02A **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	630	10		µg/L	10	11/13/2010 7:45:30 AM
Toluene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Ethylbenzene	18	1.0		µg/L	1	11/13/2010 8:12:57 AM
Methyl tert-butyl ether (MTBE)	1300	10		µg/L	10	11/13/2010 7:45:30 AM
1,2,4-Trimethylbenzene	1.2	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,2-Dichloroethane (EDC)	1.5	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Naphthalene	ND	2.0		µg/L	1	11/13/2010 8:12:57 AM
1-Methylnaphthalene	22	4.0		µg/L	1	11/13/2010 8:12:57 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 8:12:57 AM
Acetone	ND	10		µg/L	1	11/13/2010 8:12:57 AM
Bromobenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Bromoform	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Bromomethane	ND	3.0		µg/L	1	11/13/2010 8:12:57 AM
2-Butanone	ND	10		µg/L	1	11/13/2010 8:12:57 AM
Carbon disulfide	ND	10		µg/L	1	11/13/2010 8:12:57 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Chlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Chloroethane	ND	2.0		µg/L	1	11/13/2010 8:12:57 AM
Chloroform	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Chloromethane	ND	3.0		µg/L	1	11/13/2010 8:12:57 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/13/2010 8:12:57 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Dibromomethane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/13/2010 8:12:57 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/8/2010 12:02:00 PM
Lab ID:	1011516-02A	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
2-Hexanone	ND	10		µg/L	1	11/13/2010 8:12:57 AM
Isopropylbenzene	3.7	1.0		µg/L	1	11/13/2010 8:12:57 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/13/2010 8:12:57 AM
Methylene Chloride	ND	3.0		µg/L	1	11/13/2010 8:12:57 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
sec-Butylbenzene	2.4	1.0		µg/L	1	11/13/2010 8:12:57 AM
Styrene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/13/2010 8:12:57 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/13/2010 8:12:57 AM
Vinyl chloride	ND	1.0		µg/L	1	11/13/2010 8:12:57 AM
Xylenes, Total	ND	1.5		µg/L	1	11/13/2010 8:12:57 AM
Surr: 1,2-Dichloroethane-d4	84.9	77.7-113		%REC	1	11/13/2010 8:12:57 AM
Surr: 4-Bromofluorobenzene	101	76.4-106		%REC	1	11/13/2010 8:12:57 AM
Surr: Dibromofluoromethane	89.9	91.6-125	S	%REC	1	11/13/2010 8:12:57 AM
Surr: Toluene-d8	104	92.3-107		%REC	1	11/13/2010 8:12:57 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/8/2010 2:48:00 PM
Lab ID:	1011516-03A	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Toluene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Ethylbenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Methyl tert-butyl ether (MTBE)	3.8	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Naphthalene	ND	2.0		µg/L	1	11/13/2010 8:40:24 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 8:40:24 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 8:40:24 AM
Acetone	ND	10		µg/L	1	11/13/2010 8:40:24 AM
Bromobenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Bromoform	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Bromomethane	ND	3.0		µg/L	1	11/13/2010 8:40:24 AM
2-Butanone	ND	10		µg/L	1	11/13/2010 8:40:24 AM
Carbon disulfide	ND	10		µg/L	1	11/13/2010 8:40:24 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Chlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Chloroethane	ND	2.0		µg/L	1	11/13/2010 8:40:24 AM
Chloroform	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Chloromethane	ND	3.0		µg/L	1	11/13/2010 8:40:24 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/13/2010 8:40:24 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Dibromomethane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/13/2010 8:40:24 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/8/2010 2:48:00 PM
Lab ID:	1011516-03A	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
2-Hexanone	ND	10		µg/L	1	11/13/2010 8:40:24 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/13/2010 8:40:24 AM
Methylene Chloride	ND	3.0		µg/L	1	11/13/2010 8:40:24 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Styrene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/13/2010 8:40:24 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/13/2010 8:40:24 AM
Vinyl chloride	ND	1.0		µg/L	1	11/13/2010 8:40:24 AM
Xylenes, Total	ND	1.5		µg/L	1	11/13/2010 8:40:24 AM
Surr: 1,2-Dichloroethane-d4	98.4	77.7-113		%REC	1	11/13/2010 8:40:24 AM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/13/2010 8:40:24 AM
Surr: Dibromofluoromethane	102	91.6-125		%REC	1	11/13/2010 8:40:24 AM
Surr: Toluene-d8	102	92.3-107		%REC	1	11/13/2010 8:40:24 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 9:10:00 AM
Lab ID:	1011516-04A	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: DAM
Benzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Toluene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Ethylbenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Methyl tert-butyl ether (MTBE)	220	10		µg/L	10	11/15/2010 4:36:24 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Naphthalene	ND	2.0		µg/L	1	11/13/2010 9:07:55 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 9:07:55 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 9:07:55 AM
Acetone	ND	10		µg/L	1	11/13/2010 9:07:55 AM
Bromobenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Bromoform	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Bromomethane	ND	3.0		µg/L	1	11/13/2010 9:07:55 AM
2-Butanone	ND	10		µg/L	1	11/13/2010 9:07:55 AM
Carbon disulfide	ND	10		µg/L	1	11/13/2010 9:07:55 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Chlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Chloroethane	ND	2.0		µg/L	1	11/13/2010 9:07:55 AM
Chloroform	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Chloromethane	ND	3.0		µg/L	1	11/13/2010 9:07:55 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/13/2010 9:07:55 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Dibromomethane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/13/2010 9:07:55 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 9:10:00 AM
Lab ID:	1011516-04A	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
2-Hexanone	ND	10		µg/L	1	11/13/2010 9:07:55 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/13/2010 9:07:55 AM
Methylene Chloride	ND	3.0		µg/L	1	11/13/2010 9:07:55 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Styrene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/13/2010 9:07:55 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/13/2010 9:07:55 AM
Vinyl chloride	ND	1.0		µg/L	1	11/13/2010 9:07:55 AM
Xylenes, Total	ND	1.5		µg/L	1	11/13/2010 9:07:55 AM
Surr: 1,2-Dichloroethane-d4	99.9	77.7-113		%REC	1	11/13/2010 9:07:55 AM
Surr: 4-Bromofluorobenzene	102	76.4-106		%REC	1	11/13/2010 9:07:55 AM
Surr: Dibromofluoromethane	103	91.6-125		%REC	1	11/13/2010 9:07:55 AM
Surr: Toluene-d8	100	92.3-107		%REC	1	11/13/2010 9:07:55 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 1:51:00 PM
Lab ID:	1011516-05A **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/16/2010 1:03:16 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/16/2010 1:03:16 PM
Surr: DNOP	112	86.9-151		%REC	1	11/16/2010 1:03:16 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/15/2010 6:47:05 PM
Surr: BFB	97.5	84.5-118		%REC	1	11/15/2010 6:47:05 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Toluene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Ethylbenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Naphthalene	ND	2.0		µg/L	1	11/13/2010 9:35:24 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 9:35:24 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 9:35:24 AM
Acetone	ND	10		µg/L	1	11/13/2010 9:35:24 AM
Bromobenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Bromoform	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Bromomethane	ND	3.0		µg/L	1	11/13/2010 9:35:24 AM
2-Butanone	ND	10		µg/L	1	11/13/2010 9:35:24 AM
Carbon disulfide	ND	10		µg/L	1	11/13/2010 9:35:24 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Chlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Chloroethane	ND	2.0		µg/L	1	11/13/2010 9:35:24 AM
Chloroform	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Chloromethane	ND	3.0		µg/L	1	11/13/2010 9:35:24 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/13/2010 9:35:24 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Dibromomethane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 1:51:00 PM
Lab ID:	1011516-05A **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/13/2010 9:35:24 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
2-Hexanone	ND	10		µg/L	1	11/13/2010 9:35:24 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/13/2010 9:35:24 AM
Methylene Chloride	ND	3.0		µg/L	1	11/13/2010 9:35:24 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Styrene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/13/2010 9:35:24 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/13/2010 9:35:24 AM
Vinyl chloride	ND	1.0		µg/L	1	11/13/2010 9:35:24 AM
Xylenes, Total	ND	1.5		µg/L	1	11/13/2010 9:35:24 AM
Surr: 1,2-Dichloroethane-d4	93.7	77.7-113		%REC	1	11/13/2010 9:35:24 AM
Surr: 4-Bromofluorobenzene	103	76.4-106		%REC	1	11/13/2010 9:35:24 AM
Surr: Dibromofluoromethane	105	91.6-125		%REC	1	11/13/2010 9:35:24 AM
Surr: Toluene-d8	101	92.3-107		%REC	1	11/13/2010 9:35:24 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 1:51:00 PM
Lab ID:	1011516-05B **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Acenaphthylene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Aniline	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Anthracene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Azobenzene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Benz(a)anthracene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Benzoic acid	ND	20		µg/L	1	11/16/2010 1:04:51 PM
Benzyl alcohol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/16/2010 1:04:51 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Carbazole	ND	10		µg/L	1	11/16/2010 1:04:51 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
4-Chloroaniline	ND	10		µg/L	1	11/16/2010 1:04:51 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
2-Chlorophenol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Chrysene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Dibenzofuran	ND	10		µg/L	1	11/16/2010 1:04:51 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Diethyl phthalate	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Dimethyl phthalate	ND	10		µg/L	1	11/16/2010 1:04:51 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/16/2010 1:04:51 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/16/2010 1:04:51 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/16/2010 1:04:51 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/16/2010 1:04:51 PM

Qualifiers:

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

[redacted]all Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 1:51:00 PM
Lab ID:	1011516-05B **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2,6-Dinitrotoluene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Fluoranthene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Fluorene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Hexachlorobenzene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Hexachloroethane	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Isophorone	ND	10		µg/L	1	11/16/2010 1:04:51 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
2-Methylphenol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
3+4-Methylphenol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/16/2010 1:04:51 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/16/2010 1:04:51 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/16/2010 1:04:51 PM
[redacted]aphthalene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
[redacted]-Nitroaniline	ND	10		µg/L	1	11/16/2010 1:04:51 PM
3-Nitroaniline	ND	10		µg/L	1	11/16/2010 1:04:51 PM
4-Nitroaniline	ND	20		µg/L	1	11/16/2010 1:04:51 PM
Nitrobenzene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
2-Nitrophenol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
4-Nitrophenol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Pentachlorophenol	ND	20		µg/L	1	11/16/2010 1:04:51 PM
Phenanthrene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Phenol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Pyrene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Pyridine	ND	10		µg/L	1	11/16/2010 1:04:51 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/16/2010 1:04:51 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/16/2010 1:04:51 PM
Surr: 2,4,6-Tribromophenol	80.3	17.5-104		%REC	1	11/16/2010 1:04:51 PM
Surr: 2-Fluorobiphenyl	78.7	30.9-98.9		%REC	1	11/16/2010 1:04:51 PM
Surr: 2-Fluorophenol	64.2	12.4-90.1		%REC	1	11/16/2010 1:04:51 PM
Surr: 4-Terphenyl-d14	80.1	43.5-91.9		%REC	1	11/16/2010 1:04:51 PM
Surr: Nitrobenzene-d5	95.5	26.2-108		%REC	1	11/16/2010 1:04:51 PM
Surr: Phenol-d5	44.9	11.8-73.1		%REC	1	11/16/2010 1:04:51 PM

[redacted]alifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 1:51:00 PM
Lab ID:	1011516-05C	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.026	0.0020		mg/L	1	11/26/2010 6:13:48 PM
Cadmium	ND	0.0020		mg/L	1	11/26/2010 6:13:48 PM
Calcium	4.2	1.0		mg/L	1	11/26/2010 6:13:48 PM
Chromium	ND	0.0060		mg/L	1	11/26/2010 6:13:48 PM
Copper	ND	0.0060		mg/L	1	11/26/2010 6:13:48 PM
Iron	0.056	0.020		mg/L	1	11/26/2010 6:13:48 PM
Lead	ND	0.0050		mg/L	1	11/26/2010 6:13:48 PM
Magnesium	ND	1.0		mg/L	1	11/26/2010 6:13:48 PM
Manganese	0.028	0.0020		mg/L	1	11/26/2010 6:13:48 PM
Potassium	1.2	1.0		mg/L	1	11/26/2010 6:13:48 PM
Silver	ND	0.0050		mg/L	1	11/26/2010 6:13:48 PM
Sodium	240	5.0		mg/L	5	12/1/2010 9:19:34 AM
Zinc	ND	0.010		mg/L	1	11/26/2010 6:13:48 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	ND	0.0025		mg/L	2.5	12/4/2010 3:17:40 PM
Selenium	0.0046	0.0025		mg/L	2.5	12/4/2010 3:17:40 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/17/2010 1:19:44 PM

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 1:51:00 PM
Lab ID:	1011516-05E	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.025	0.0020		mg/L	1	11/18/2010 11:08:04 PM
Cadmium	ND	0.0020		mg/L	1	11/18/2010 11:08:04 PM
Chromium	ND	0.0060		mg/L	1	11/18/2010 11:08:04 PM
Copper	ND	0.0060		mg/L	1	11/18/2010 11:08:04 PM
Iron	0.048	0.020		mg/L	1	11/18/2010 11:08:04 PM
Lead	ND	0.0050		mg/L	1	11/18/2010 11:08:04 PM
Manganese	0.027	0.0020		mg/L	1	11/18/2010 11:08:04 PM
Silver	ND	0.0050		mg/L	1	11/18/2010 11:08:04 PM
Zinc	ND	0.010		mg/L	1	11/18/2010 11:08:04 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Antimony	ND	0.0010		mg/L	1	11/24/2010 2:24:36 PM
Selenium	0.0012	0.0010		mg/L	1	11/24/2010 2:24:36 PM

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 1:51:00 PM
Lab ID:	1011516-05F	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.54	0.10		mg/L	1	11/13/2010 8:43:03 AM
Chloride	32	10		mg/L	20	11/13/2010 9:00:28 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/15/2010 2:19:12 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	11/13/2010 8:43:03 AM
Sulfate	140	10		mg/L	20	11/13/2010 9:00:28 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	1000	0.010		µmhos/cm	1	11/23/2010 4:16:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	8.27	0.100	H	pH units	1	11/23/2010 4:16:00 PM

Qualifiers:

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

all Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 2:46:00 PM
Lab ID:	1011516-06A **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/16/2010 1:37:08 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/16/2010 1:37:08 PM
Surr: DNOP	124	86.9-151		%REC	1	11/16/2010 1:37:08 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/16/2010 3:42:21 PM
Surr: BFB	98.4	84.5-118		%REC	1	11/16/2010 3:42:21 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Toluene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Ethylbenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Naphthalene	ND	2.0		µg/L	1	11/13/2010 11:53:12 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 11:53:12 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 11:53:12 AM
Acetone	ND	10		µg/L	1	11/13/2010 11:53:12 AM
Bromobenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Bromoform	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Bromomethane	ND	3.0		µg/L	1	11/13/2010 11:53:12 AM
2-Butanone	ND	10		µg/L	1	11/13/2010 11:53:12 AM
Carbon disulfide	ND	10		µg/L	1	11/13/2010 11:53:12 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Chlorobenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Chloroethane	ND	2.0		µg/L	1	11/13/2010 11:53:12 AM
Chloroform	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Chloromethane	ND	3.0		µg/L	1	11/13/2010 11:53:12 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/13/2010 11:53:12 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Dibromomethane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	*1011516*	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 2:46:00 PM
Lab ID:	1011516-06A	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/13/2010 11:53:12 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
2-Hexanone	ND	10		µg/L	1	11/13/2010 11:53:12 AM
Isopropylbenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/13/2010 11:53:12 AM
Methylene Chloride	ND	3.0		µg/L	1	11/13/2010 11:53:12 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Styrene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/13/2010 11:53:12 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/13/2010 11:53:12 AM
Vinyl chloride	ND	1.0		µg/L	1	11/13/2010 11:53:12 AM
Xylenes, Total	ND	1.5		µg/L	1	11/13/2010 11:53:12 AM
Surr: 1,2-Dichloroethane-d4	96.4	77.7-113		%REC	1	11/13/2010 11:53:12 AM
Surr: 4-Bromofluorobenzene	102	76.4-106		%REC	1	11/13/2010 11:53:12 AM
Surr: Dibromofluoromethane	100	91.6-125		%REC	1	11/13/2010 11:53:12 AM
Surr: Toluene-d8	102	92.3-107		%REC	1	11/13/2010 11:53:12 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 2:46:00 PM
Lab ID:	1011516-06B	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Acenaphthylene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Aniline	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Anthracene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Azobenzene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Benz(a)anthracene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Benzoic acid	ND	20		µg/L	1	11/16/2010 1:34:43 PM
Benzyl alcohol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/16/2010 1:34:43 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Carbazole	ND	10		µg/L	1	11/16/2010 1:34:43 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
4-Chloroaniline	ND	10		µg/L	1	11/16/2010 1:34:43 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
2-Chlorophenol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Chrysene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Dibenzofuran	ND	10		µg/L	1	11/16/2010 1:34:43 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Diethyl phthalate	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Dimethyl phthalate	ND	10		µg/L	1	11/16/2010 1:34:43 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/16/2010 1:34:43 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/16/2010 1:34:43 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/16/2010 1:34:43 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/16/2010 1:34:43 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 2:46:00 PM
Lab ID:	1011516-06B **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,6-Dinitrotoluene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Fluoranthene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Fluorene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Hexachlorobenzene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Hexachloroethane	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Isophorone	ND	10		µg/L	1	11/16/2010 1:34:43 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
2-Methylphenol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
3+4-Methylphenol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/16/2010 1:34:43 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/16/2010 1:34:43 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Naphthalene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
2-Nitroaniline	ND	10		µg/L	1	11/16/2010 1:34:43 PM
3-Nitroaniline	ND	10		µg/L	1	11/16/2010 1:34:43 PM
4-Nitroaniline	ND	20		µg/L	1	11/16/2010 1:34:43 PM
Nitrobenzene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
2-Nitrophenol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
4-Nitrophenol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Pentachlorophenol	ND	20		µg/L	1	11/16/2010 1:34:43 PM
Phenanthrene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Phenol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Pyrene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Pyridine	ND	10		µg/L	1	11/16/2010 1:34:43 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/16/2010 1:34:43 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/16/2010 1:34:43 PM
Surr: 2,4,6-Tribromophenol	55.6	17.5-104		%REC	1	11/16/2010 1:34:43 PM
Surr: 2-Fluorobiphenyl	45.8	30.9-98.9		%REC	1	11/16/2010 1:34:43 PM
Surr: 2-Fluorophenol	36.7	12.4-90.1		%REC	1	11/16/2010 1:34:43 PM
Surr: 4-Terphenyl-d14	66.7	43.5-91.9		%REC	1	11/16/2010 1:34:43 PM
Surr: Nitrobenzene-d5	53.1	26.2-108		%REC	1	11/16/2010 1:34:43 PM
Surr: Phenol-d5	26.7	11.8-73.1		%REC	1	11/16/2010 1:34:43 PM

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 2:46:00 PM
Lab ID:	1011516-06C	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: METALS						Analyst: **RAGS**
Barium	0.038	0.0020		mg/L	1	11/26/2010 6:19:09 PM
Cadmium	ND	0.0020		mg/L	1	11/26/2010 6:19:09 PM
Calcium	20	1.0		mg/L	1	11/26/2010 6:19:09 PM
Chromium	ND	0.0060		mg/L	1	11/26/2010 6:19:09 PM
Copper	ND	0.0060		mg/L	1	11/26/2010 6:19:09 PM
Iron	ND	0.020		mg/L	1	11/26/2010 6:19:09 PM
Lead	ND	0.0050		mg/L	1	11/26/2010 6:19:09 PM
Magnesium	3.5	1.0		mg/L	1	11/26/2010 6:19:09 PM
Manganese	0.079	0.0020	*	mg/L	1	11/26/2010 6:19:09 PM
Potassium	ND	1.0		mg/L	1	11/26/2010 6:19:09 PM
Silver	ND	0.0050		mg/L	1	11/26/2010 6:19:09 PM
Sodium	240	5.0		mg/L	5	12/1/2010 9:21:58 AM
Zinc	ND	0.010		mg/L	1	11/26/2010 6:19:09 PM
EPA 200.8: METALS						Analyst: **SNV**
Arsenic	0.0031	0.0025		mg/L	2.5	12/4/2010 3:21:16 PM
Selenium	0.0055	0.0025		mg/L	2.5	12/4/2010 3:21:16 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/17/2010 1:21:28 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 2:46:00 PM
Lab ID:	1011516-06E	**Date Received:** 11/10/2010	**Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 200.7: DISSOLVED METALS						Analyst: **RAGS**
Barium	0.037	0.0020		mg/L	1	11/18/2010 11:36:38 PM
Cadmium	ND	0.0020		mg/L	1	11/18/2010 11:36:38 PM
Chromium	ND	0.0060		mg/L	1	11/18/2010 11:36:38 PM
Copper	ND	0.0060		mg/L	1	11/18/2010 11:36:38 PM
Iron	ND	0.020		mg/L	1	11/18/2010 11:36:38 PM
Lead	ND	0.0050		mg/L	1	11/18/2010 11:36:38 PM
Manganese	0.078	0.0020		mg/L	1	11/18/2010 11:36:38 PM
Silver	ND	0.0050		mg/L	1	11/18/2010 11:36:38 PM
Zinc	ND	0.010		mg/L	1	11/18/2010 11:36:38 PM
EPA 200.8: DISSOLVED METALS						Analyst: **SNV**
Antimony	ND	0.0010		mg/L	1	11/24/2010 2:30:17 PM
Selenium	0.0014	0.0010		mg/L	1	11/24/2010 2:30:17 PM

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

all Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 2:46:00 PM
Lab ID:	1011516-06F **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.51	0.10		mg/L	1	11/13/2010 9:17:53 AM
Chloride	29	10		mg/L	20	11/13/2010 9:35:18 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	11/15/2010 2:36:37 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	,H	mg/L	1	11/13/2010 9:17:53 AM
Sulfate	160	10		mg/L	20	11/13/2010 9:35:18 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	1100	0.010		µmhos/cm	1	11/23/2010 4:20:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	8.26	0.100	H	pH units	1	11/23/2010 4:20:00 PM

ualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/8/2010 10:00:00 AM
Lab ID:	1011516-07A **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Toluene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Ethylbenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Naphthalene	ND	2.0		µg/L	1	11/13/2010 1:15:52 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 1:15:52 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 1:15:52 PM
Acetone	ND	10		µg/L	1	11/13/2010 1:15:52 PM
Bromobenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Bromoform	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Bromomethane	ND	3.0		µg/L	1	11/13/2010 1:15:52 PM
2-Butanone	ND	10		µg/L	1	11/13/2010 1:15:52 PM
Carbon disulfide	ND	10		µg/L	1	11/13/2010 1:15:52 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Chlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Chloroethane	ND	2.0		µg/L	1	11/13/2010 1:15:52 PM
Chloroform	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Chloromethane	ND	3.0		µg/L	1	11/13/2010 1:15:52 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/13/2010 1:15:52 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Dibromomethane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/13/2010 1:15:52 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/8/2010 10:00:00 AM
Lab ID:	1011516-07A **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
2-Hexanone	ND	10		µg/L	1	11/13/2010 1:15:52 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/13/2010 1:15:52 PM
Methylene Chloride	ND	3.0		µg/L	1	11/13/2010 1:15:52 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Styrene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/13/2010 1:15:52 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/13/2010 1:15:52 PM
Vinyl chloride	ND	1.0		µg/L	1	11/13/2010 1:15:52 PM
Xylenes, Total	ND	1.5		µg/L	1	11/13/2010 1:15:52 PM
Surr: 1,2-Dichloroethane-d4	97.0	77.7-113		%REC	1	11/13/2010 1:15:52 PM
Surr: 4-Bromofluorobenzene	104	76.4-106		%REC	1	11/13/2010 1:15:52 PM
Surr: Dibromofluoromethane	102	91.6-125		%REC	1	11/13/2010 1:15:52 PM
Surr: Toluene-d8	97.5	92.3-107		%REC	1	11/13/2010 1:15:52 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 9:00:00 AM
Lab ID:	1011516-08A **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Toluene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Ethylbenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Naphthalene	ND	2.0		µg/L	1	11/13/2010 1:43:18 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 1:43:18 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 1:43:18 PM
Acetone	ND	10		µg/L	1	11/13/2010 1:43:18 PM
Bromobenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Bromoform	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Bromomethane	ND	3.0		µg/L	1	11/13/2010 1:43:18 PM
2-Butanone	ND	10		µg/L	1	11/13/2010 1:43:18 PM
Carbon disulfide	ND	10		µg/L	1	11/13/2010 1:43:18 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Chlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Chloroethane	ND	2.0		µg/L	1	11/13/2010 1:43:18 PM
Chloroform	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Chloromethane	ND	3.0		µg/L	1	11/13/2010 1:43:18 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/13/2010 1:43:18 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Dibromomethane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/13/2010 1:43:18 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	11/9/2010 9:00:00 AM
Lab ID:	1011516-08A **Date Received:** 11/10/2010	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
2-Hexanone	ND	10		µg/L	1	11/13/2010 1:43:18 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/13/2010 1:43:18 PM
Methylene Chloride	ND	3.0		µg/L	1	11/13/2010 1:43:18 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Styrene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/13/2010 1:43:18 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/13/2010 1:43:18 PM
Vinyl chloride	ND	1.0		µg/L	1	11/13/2010 1:43:18 PM
Xylenes, Total	ND	1.5		µg/L	1	11/13/2010 1:43:18 PM
Surr: 1,2-Dichloroethane-d4	98.8	77.7-113		%REC	1	11/13/2010 1:43:18 PM
Surr: 4-Bromofluorobenzene	94.8	76.4-106		%REC	1	11/13/2010 1:43:18 PM
Surr: Dibromofluoromethane	101	91.6-125		%REC	1	11/13/2010 1:43:18 PM
Surr: Toluene-d8	98.8	92.3-107		%REC	1	11/13/2010 1:43:18 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	
Lab ID:	1011516-09A	**Date Received:** 11/10/2010	**Matrix:** TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Toluene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Ethylbenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Naphthalene	ND	2.0		µg/L	1	11/13/2010 2:10:52 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 2:10:52 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/13/2010 2:10:52 PM
Acetone	ND	10		µg/L	1	11/13/2010 2:10:52 PM
Bromobenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Bromoform	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Bromomethane	ND	3.0		µg/L	1	11/13/2010 2:10:52 PM
2-Butanone	ND	10		µg/L	1	11/13/2010 2:10:52 PM
Carbon disulfide	ND	10		µg/L	1	11/13/2010 2:10:52 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Chlorobenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Chloroethane	ND	2.0		µg/L	1	11/13/2010 2:10:52 PM
Chloroform	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Chloromethane	ND	3.0		µg/L	1	11/13/2010 2:10:52 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/13/2010 2:10:52 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Dibromomethane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/13/2010 2:10:52 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1011516	**Tag Number:**	
Project:	4th QTR 2010	**Collection Date:**	
Lab ID:	1011516-09A **Date Received:** 11/10/2010	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Hexachlorobutadiene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
2-Hexanone	ND	10		µg/L	1	11/13/2010 2:10:52 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/13/2010 2:10:52 PM
Methylene Chloride	ND	3.0		µg/L	1	11/13/2010 2:10:52 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Styrene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/13/2010 2:10:52 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/13/2010 2:10:52 PM
Vinyl chloride	ND	1.0		µg/L	1	11/13/2010 2:10:52 PM
Xylenes, Total	ND	1.5		µg/L	1	11/13/2010 2:10:52 PM
Surr: 1,2-Dichloroethane-d4	97.8	77.7-113		%REC	1	11/13/2010 2:10:52 PM
Surr: 4-Bromofluorobenzene	104	76.4-106		%REC	1	11/13/2010 2:10:52 PM
Surr: Dibromofluoromethane	102	91.6-125		%REC	1	11/13/2010 2:10:52 PM
Surr: Toluene-d8	106	92.3-107		%REC	1	11/13/2010 2:10:52 PM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Metals											
Sample ID: MB-24635		*MBLK*				Batch ID:	**24635**	Analysis Date:	11/26/2010 1:22:46 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sample ID: LCS-24635		*LCS*				Batch ID:	**24635**	Analysis Date:	11/26/2010 1:28:57 PM		
Arsenic	0.5245	mg/L	0.020	0.5	0	105	85	115			
Barium	0.5136	mg/L	0.0020	0.5	0	103	85	115			
Cadmium	0.5337	mg/L	0.0020	0.5	0	107	85	115			
Calcium	51.72	mg/L	1.0	50.5	0	102	85	115			
Chromium	0.5225	mg/L	0.0060	0.5	0.0008	104	85	115			
Copper	0.5658	mg/L	0.0060	0.5	0.002	113	85	115			
Iron	0.5233	mg/L	0.020	0.5	0	105	85	115			
Lead	0.5284	mg/L	0.0050	0.5	0	106	85	115			
Magnesium	52.36	mg/L	1.0	50.5	0.0129	104	85	115			
Manganese	0.5144	mg/L	0.0020	0.5	0	103	85	115			
Potassium	55.21	mg/L	1.0	55	0.0444	100	85	115			
Selenium	0.5132	mg/L	0.050	0.5	0	103	85	115			
Silver	0.4449	mg/L	0.0050	0.5	0	89.0	85	115			
Sodium	51.30	mg/L	1.0	50.5	0.0285	102	85	115			
Zinc	0.5096	mg/L	0.010	0.5	0	102	85	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: 1011516-05EMSD		*MSD*			Batch ID:	**R42244**	Analysis Date:		11/18/2010 11:18:47 PM		
Barium	0.4893	mg/L	0.0020	0.5	0.0248	92.9	70	130	1.52	20	
Cadmium	0.5122	mg/L	0.0020	0.5	0	102	70	130	1.99	20	
Chromium	0.4666	mg/L	0.0060	0.5	0	93.3	70	130	1.55	20	
Copper	0.5281	mg/L	0.0060	0.5	0	106	70	130	1.17	20	
Iron	0.5067	mg/L	0.020	0.5	0.048	91.7	70	130	1.40	20	
Lead	0.4761	mg/L	0.0050	0.5	0	95.2	70	130	1.72	20	
Manganese	0.4892	mg/L	0.0020	0.5	0.0269	92.5	70	130	1.52	20	
Silver	0.4226	mg/L	0.0050	0.5	0	84.5	70	130	7.88	20	
Zinc	0.4747	mg/L	0.010	0.5	0	94.9	70	130	1.60	20	
Sample ID: MB		*MBLK*			Batch ID:	**R42244**	Analysis Date:		11/18/2010 5:44:42 PM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.010								
Sample ID: MB		*MBLK*			Batch ID:	**R42421**	Analysis Date:		12/1/2010 9:08:40 AM		
Barium	ND	mg/L	0.0020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.010								
Sum Cations	ND	mg/L	0								
Sample ID: LCS		*LCS*			Batch ID:	**R42244**	Analysis Date:		11/18/2010 5:51:20 PM		
Barium	0.4892	mg/L	0.0020	0.5	0	97.8	85	115			
Cadmium	0.5182	mg/L	0.0020	0.5	0	104	85	115			
Chromium	0.5014	mg/L	0.0060	0.5	0	100	85	115			
Copper	0.5089	mg/L	0.0060	0.5	0	102	85	115			
Iron	0.5015	mg/L	0.020	0.5	0	100	85	115			
Lead	0.5033	mg/L	0.0050	0.5	0	101	85	115			
Manganese	0.4854	mg/L	0.0020	0.5	0	97.1	85	115			
Silver	0.5086	mg/L	0.0050	0.5	0	102	85	115			
Zinc	0.5138	mg/L	0.010	0.5	0	103	85	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 200.7: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R42421**	Analysis Date:	12/1/2010 9:58:14 AM		
Copper	0.5035	mg/L	0.0060	0.5	0	101	85	115			
Sample ID: 1011516-05EMS		*MS*				Batch ID:	**R42244**	Analysis Date:	11/18/2010 11:13:21 PM		
Barium	0.4968	mg/L	0.0020	0.5	0.0248	94.4	70	130			
Cadmium	0.5225	mg/L	0.0020	0.5	0	105	70	130			
Chromium	0.4739	mg/L	0.0060	0.5	0	94.8	70	130			
Copper	0.5343	mg/L	0.0060	0.5	0	107	70	130			
Iron	0.5139	mg/L	0.020	0.5	0.048	93.2	70	130			
Lead	0.4844	mg/L	0.0050	0.5	0	96.9	70	130			
Manganese	0.4967	mg/L	0.0020	0.5	0.0269	94.0	70	130			
Silver	0.4572	mg/L	0.0050	0.5	0	91.4	70	130			
Zinc	0.4824	mg/L	0.010	0.5	0	96.5	70	130			
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R42389**	Analysis Date:	11/24/2010 12:01:10 PM		
Antimony	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R42389**	Analysis Date:	11/24/2010 12:06:50 PM		
Antimony	0.02513	mg/L	0.0010	0.025	0	101	85	115			
Selenium	0.02645	mg/L	0.0010	0.025	0.0002	105	85	115			
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R42134**	Analysis Date:	11/12/2010 6:12:27 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R42134**	Analysis Date:	11/12/2010 6:29:52 PM		
Fluoride	0.4936	mg/L	0.10	0.5	0	98.7	90	110	200	0	
Chloride	4.945	mg/L	0.50	5	0	98.9	90	110	200	0	
Nitrate (As N)+Nitrite (As N)	3.551	mg/L	0.20	3.5	0	101	90	110	200	0	
Phosphorus, Orthophosphate (As P)	4.906	mg/L	0.50	5	0	98.1	90	110	200	0	
Sulfate	10.06	mg/L	0.50	10	0	101	90	110	200	0	
Sample ID: LCS-b		*LCS*				Batch ID:	**R42166**	Analysis Date:	11/15/2010 4:55:56 PM		
Fluoride	0.5210	mg/L	0.10	0.5	0	104	90	110			
Chloride	5.136	mg/L	0.50	5	0	103	90	110			
Nitrate (As N)+Nitrite (As N)	3.673	mg/L	0.20	3.5	0	105	90	110			
Phosphorus, Orthophosphate (As P)	5.082	mg/L	0.50	5	0	102	90	110			
Sulfate	10.25	mg/L	0.50	10	0	102	90	110			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24530		*MBLK*				Batch ID:	**24530**	Analysis Date:		11/16/2010 11:20:59 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24530		*LCS*				Batch ID:	**24530**	Analysis Date:		11/16/2010 11:55:06 AM	
Diesel Range Organics (DRO)	5.491	mg/L	1.0	5	0	110	74	157			
Sample ID: LCSD-24530		*LCSD*				Batch ID:	**24530**	Analysis Date:		11/16/2010 12:29:12 PM	
Diesel Range Organics (DRO)	5.939	mg/L	1.0	5	0	119	74	157	7.84	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R42153**	Analysis Date:		11/15/2010 9:41:32 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R42153**	Analysis Date:		11/15/2010 7:16:01 PM	
Gasoline Range Organics (GRO)	0.5194	mg/L	0.050	0.5	0	104	83.7	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R42153**	Analysis Date:		11/15/2010 7:45:02 PM	
Gasoline Range Organics (GRO)	0.4978	mg/L	0.050	0.5	0	99.6	83.7	124	4.25	12	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1011516-04a msd		*MSD*				Batch ID: **R42133**		Analysis Date:	11/13/2010 12:48:19 PM		
Benzene	18.17	µg/L	1.0	20	0	90.8	73.1	117	4.69	11.3	
Toluene	21.39	µg/L	1.0	20	0	107	82.9	109	3.16	11.6	
Chlorobenzene	20.19	µg/L	1.0	20	0	101	87.5	110	4.41	10.6	
1,1-Dichloroethene	20.99	µg/L	1.0	20	0	105	66.2	131	1.91	14.4	
Trichloroethene (TCE)	16.69	µg/L	1.0	20	0	83.5	67.1	110	0.0443	11.2	
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R42133**		Analysis Date:	11/12/2010 9:47:42 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
				Batch ID: **R42133**				Analysis Date:		11/12/2010 9:47:42 AM	
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b3		*MBLK*									
				Batch ID: **R42133**				Analysis Date:		11/12/2010 9:42:18 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*									
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Batch ID: R42133 Analysis Date: 11/12/2010 9:42:18 PM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*					Batch ID: **R42133**		Analysis Date:	11/12/2010 9:42:18 PM	
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b5		*MBLK*					Batch ID: **R42133**		Analysis Date:	11/13/2010 10:02:58 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acet[redacted]	ND	µg/L	10								
Bro[redacted]nzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-[redacted]ropropane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b5		*MBLK*									
				Batch ID: **R42133**			Analysis Date:	11/13/2010 10:02:58 AM			
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b2		*MBLK*									
				Batch ID: **R42157**			Analysis Date:	11/15/2010 11:19:29 AM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*									
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-D[redacted]oethane	ND	µg/L	1.0								
1,1-D[redacted]oroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Batch ID: R42157 Analysis Date: 11/15/2010 11:19:29 AM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*				Batch ID:	**R42157**	Analysis Date:	11/15/2010 11:19:29 AM		
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42133**	Analysis Date:	11/12/2010 10:42:48 AM		
Benzene	18.84	µg/L	1.0	20	0	94.2	84.6	109			
Toluene	22.13	µg/L	1.0	20	0	111	81	114			
Chlorobenzene	21.83	µg/L	1.0	20	0	109	85.2	113			
1,1-Dichloroethene	21.64	µg/L	1.0	20	0	108	79.6	124			
Trichloroethene (TCE)	17.11	µg/L	1.0	20	0	85.6	78.3	102			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42133**	Analysis Date:	11/12/2010 10:37:09 PM		
Benzene	18.75	µg/L	1.0	20	0	93.7	84.6	109			
Toluene	21.00	µg/L	1.0	20	0	105	81	114			
Chlorobenzene	20.46	µg/L	1.0	20	0	102	85.2	113			
1,1-Dichloroethene	21.13	µg/L	1.0	20	0	106	79.6	124			
Trichloroethene (TCE)	16.96	µg/L	1.0	20	0	84.8	78.3	102			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42133**	Analysis Date:	11/13/2010 10:58:10 AM		
Benzene	18.80	µg/L	1.0	20	0	94.0	84.6	109			
Toluene	20.65	µg/L	1.0	20	0	103	81	114			
Chlorobenzene	19.97	µg/L	1.0	20	0	99.9	85.2	113			
1,1-Dichloroethene	21.08	µg/L	1.0	20	0	105	79.6	124			
Trichloroethene (TCE)	16.61	µg/L	1.0	20	0	83.0	78.3	102			
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R42157**	Analysis Date:	11/15/2010 1:06:30 PM		
Benzene	18.62	µg/L	1.0	20	0	93.1	84.6	109			
Toluene	19.15	µg/L	1.0	20	0	95.8	81	114			
Chlorobenzene	19.10	µg/L	1.0	20	0	95.5	85.2	113			
1,1-Dichloroethene	17.82	µg/L	1.0	20	0	89.1	79.6	124			
Trichloroethene (TCE)	17.77	µg/L	1.0	20	0	88.9	78.3	102			
Sample ID: 1011516-04a ms		*MS*				Batch ID:	**R42133**	Analysis Date:	11/13/2010 12:20:43 PM		
Benzene	19.04	µg/L	1.0	20	0	95.2	73.1	117			
Toluene	22.07	µg/L	1.0	20	0	110	82.9	109			S
Chlorobenzene	21.10	µg/L	1.0	20	0	105	87.5	110			
1,1-Dichloroethene	21.39	µg/L	1.0	20	0	107	66.2	131			
Trichloroethene (TCE)	16.69	µg/L	1.0	20	0	83.4	67.1	110			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24506		*MBLK*						**Batch ID: 24506**		**Analysis Date: 11/16/2010 12:35:01 PM**	
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
But[illegible]nzyl phthalate	ND	µg/L	10								
Ca[illegible]e	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								
Hex[illegible]lorobenzene	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24506		*MBLK*					**Batch ID: 24506**		**Analysis Date:**	11/16/2010 12:35:01 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-24506		*LCS*					**Batch ID: 24506**		**Analysis Date:**	11/16/2010 2:49:20 PM	
Acenaphthene	49.20	µg/L	10	100	0	49.2	31	99.4			
4-Chloro-3-methylphenol	117.5	µg/L	10	200	0	58.8	34.3	111			
2-Chlorophenol	90.84	µg/L	10	200	0	45.4	24.1	98.7			
1,4-Dichlorobenzene	40.80	µg/L	10	100	0	40.8	20.6	85.6			
2,4-Dinitrotoluene	88.32	µg/L	10	100	0	88.3	26.6	126			
N-Nitrosodi-n-propylamine	37.78	µg/L	10	100	0	37.8	29.2	94.4			
4-Nitrophenol	131.1	µg/L	10	200	0	65.6	9.87	86			
Pentachlorophenol	127.1	µg/L	20	200	0	63.5	20	97.8			
Phenol	58.98	µg/L	10	200	0	29.5	17.5	60.5			
Pyrene	65.20	µg/L	10	100	0	65.2	46.8	92.2			
1,2,4-Trichlorobenzene	42.50	µg/L	10	100	0	42.5	25.2	92.3			
Sample ID: lcsd-24506		*LCSD*					**Batch ID: 24506**		**Analysis Date:**	11/16/2010 3:19:13 PM	
Acenaphthene	45.16	µg/L	10	100	0	45.2	31	99.4	8.56	30	
4-Chloro-3-methylphenol	102.7	µg/L	10	200	0	51.3	34.3	111	13.5	30.8	
2-Chlorophenol	82.98	µg/L	10	200	0	41.5	24.1	98.7	9.04	31	
1,4-Dichlorobenzene	33.14	µg/L	10	100	0	33.1	20.6	85.6	20.7	37	
2,4-Dinitrotoluene	72.08	µg/L	10	100	0	72.1	26.6	126	20.2	34.5	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 4th QTR 2010 **Work Order:** 1011516

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-24506		*LCSD*				Batch ID:	**24506**	Analysis Date:		11/16/2010 3:19:13 PM	
N-Nitrosodi-n-propylamine	42.40	µg/L	10	100	0	42.4	29.2	94.4	11.5	30.8	
4-Nitrophenol	114.5	µg/L	10	200	0	57.3	9.87	86	13.5	61.1	
Pentachlorophenol	107.1	µg/L	20	200	0	53.5	20	97.8	17.1	64.8	
Phenol	56.08	µg/L	10	200	0	28.0	17.5	60.5	5.04	31.4	
Pyrene	48.84	µg/L	10	100	0	48.8	46.8	92.2	28.7	29.8	
1,2,4-Trichlorobenzene	37.38	µg/L	10	100	0	37.4	25.2	92.3	12.8	30.9	
Method: EPA Method 7470: Mercury											
Sample ID: MB-24552		*MBLK*				Batch ID:	**24552**	Analysis Date:		11/17/2010 12:58:03 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24552		*LCS*				Batch ID:	**24552**	Analysis Date:		11/17/2010 12:59:52 PM	
Mercury	0.005211	mg/L	0.00020	0.005	0	104	80	120			
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-24518		*MBLK*				Batch ID:	**24518**	Analysis Date:		11/17/2010 6:10:40 PM	
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: LCS-24518		*LCS*				Batch ID:	**24518**	Analysis Date:		11/22/2010 11:03:42 AM	
Calcium	53.96	mg/L	1.0	50	0	108	80	120			
Magnesium	53.52	mg/L	1.0	50	0	107	80	120			
Potassium	56.96	mg/L	1.0	50	0.6487	113	80	120			
Sodium	51.88	mg/L	1.0	50	0.0834	104	80	120			
Sample ID: LCS-24518		*LCS*				Batch ID:	**24518**	Analysis Date:		11/17/2010 6:14:00 PM	
Calcium	50.45	mg/L	1.0	50	0	101	80	120			
Magnesium	52.58	mg/L	1.0	50	0	105	80	120			
Potassium	54.83	mg/L	1.0	50	0.6487	108	80	120			
Sodium	51.49	mg/L	1.0	50	0.0834	103	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU Date Received: 11/10/2010

Work Order Number 1011516 Received by: MMG

Checklist completed by: Signature 11/10/10 Date Sample ID labels checked by: MG Initials

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑ AA 11/12/10	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	4.1°	<6° C *Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 10

(<2 >12 *unless noted below.*)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Bx 7 Gallup

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: 4th QTR 2010

Project #: OW wells

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☑ Yes ☐ No

Sample Temperature: 4.0

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1015110	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	WQCC Metals - Total	- Diss-Filtered	Gen Chem		Air Bubbles (Y or N)
11/8/10	1046	H2O	OW-30			1										X						
/	1202		OW-14			2										X						
	1448		OW-13			3										X						
11/9/10	0910		OW-29			4										X						
/	1351		OW-502			5			X							X	X	X	X	X		
/	1446		OW-50			6			X							X	X	X	X	X		
11/8/10	1000		Field Blank			7										X						
11/9/10	0900		Field Blank			8										X						
11/8/10	0835		Trip Blank			9										X						

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/10/10	0900			11-10-10	0900
11-10-10	1220		Michelle Garcia	11/10/10	1220

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

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

OW 30, 50, 52

COVER LETTER

Monday, October 25, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301
TEL: (505) 722-0231
FAX (505) 722-0210

RE: 3rd Qtr 2010

Order No.: 1010067

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 9/29/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1010067	**Collection Date:**	9/27/2010 9:37:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Toluene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Ethylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Methyl tert-butyl ether (MTBE)	1100	20		µg/L	20	10/2/2010 8:18:09 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Naphthalene	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/2/2010 8:44:15 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/2/2010 8:44:15 PM
Acetone	ND	10		µg/L	1	10/2/2010 8:44:15 PM
Bromobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Bromoform	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Bromomethane	ND	3.0		µg/L	1	10/2/2010 8:44:15 PM
2-Butanone	ND	10		µg/L	1	10/2/2010 8:44:15 PM
Carbon disulfide	ND	10		µg/L	1	10/2/2010 8:44:15 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Chlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Chloroethane	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
Chloroform	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Chloromethane	ND	3.0		µg/L	1	10/2/2010 8:44:15 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Dibromomethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1010067	**Collection Date:**	9/27/2010 9:37:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	10/2/2010 8:44:15 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/2/2010 8:44:15 PM
Methylene Chloride	ND	3.0		µg/L	1	10/2/2010 8:44:15 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Styrene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
Vinyl chloride	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Xylenes, Total	ND	1.5		µg/L	1	10/2/2010 8:44:15 PM
Surr: 1,2-Dichloroethane-d4	113	54.6-141		%REC	1	10/2/2010 8:44:15 PM
Surr: 4-Bromofluorobenzene	112	60.1-133		%REC	1	10/2/2010 8:44:15 PM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	10/2/2010 8:44:15 PM
Surr: Toluene-d8	108	79.5-126		%REC	1	10/2/2010 8:44:15 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1010067	**Collection Date:**	9/27/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/5/2010 1:44:23 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/5/2010 1:44:23 AM
Surr: DNOP	124	86.9-151		%REC	1	10/5/2010 1:44:23 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/5/2010 7:35:17 PM
Surr: BFB	100	79.9-117		%REC	1	10/5/2010 7:35:17 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.41	0.10		mg/L	1	10/5/2010 2:33:15 PM
Chloride	26	10		mg/L	20	10/5/2010 2:50:40 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	10/7/2010 6:39:42 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/5/2010 2:33:15 PM
Sulfate	140	10		mg/L	20	10/5/2010 2:50:40 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	10/14/2010 12:57:30 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/18/2010 11:51:16 AM
Barium	0.040	0.020		mg/L	1	10/18/2010 11:51:16 AM
Cadmium	ND	0.0020		mg/L	1	10/18/2010 11:51:16 AM
Calcium	21	1.0		mg/L	1	10/18/2010 11:51:16 AM
Chromium	ND	0.0060		mg/L	1	10/18/2010 11:51:16 AM
Copper	ND	0.0060		mg/L	1	10/18/2010 11:51:16 AM
Iron	ND	0.020		mg/L	1	10/18/2010 11:51:16 AM
Lead	ND	0.0050		mg/L	1	10/18/2010 11:51:16 AM
Magnesium	3.5	1.0		mg/L	1	10/18/2010 11:51:16 AM
Manganese	0.081	0.0020		mg/L	1	10/18/2010 11:51:16 AM
Potassium	ND	1.0		mg/L	1	10/18/2010 11:51:16 AM
Selenium	ND	0.050		mg/L	1	10/18/2010 11:51:16 AM
Silver	ND	0.0050		mg/L	1	10/18/2010 11:51:16 AM
Sodium	220	5.0		mg/L	5	10/18/2010 11:55:36 AM
Zinc	0.064	0.050		mg/L	1	10/19/2010 2:01:30 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/6/2010 12:38:39 PM
Barium	0.041	0.020		mg/L	1	10/6/2010 12:38:39 PM
Cadmium	ND	0.0020		mg/L	1	10/6/2010 12:38:39 PM
Chromium	ND	0.0060		mg/L	1	10/6/2010 12:38:39 PM
Copper	ND	0.0060		mg/L	1	10/6/2010 12:38:39 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1010067	**Collection Date:**	9/27/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Iron	ND	0.050		mg/L	1	10/6/2010 12:38:39 PM
Lead	ND	0.0050		mg/L	1	10/6/2010 12:38:39 PM
Manganese	0.083	0.0020		mg/L	1	10/6/2010 12:38:39 PM
Selenium	ND	0.050		mg/L	1	10/6/2010 12:38:39 PM
Silver	ND	0.0050		mg/L	1	10/6/2010 12:38:39 PM
Zinc	ND	0.020		mg/L	1	10/6/2010 12:38:39 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Acenaphthylene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Aniline	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Anthracene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Azobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benz(a)anthracene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benzo(a)pyrene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benzoic acid	ND	20		µg/L	1	10/10/2010 11:01:46 PM
Benzyl alcohol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Butyl benzyl phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Carbazole	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Chloroaniline	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Chloronaphthalene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Chlorophenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Chrysene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Di-n-butyl phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Di-n-octyl phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Dibenzofuran	ND	10		µg/L	1	10/10/2010 11:01:46 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	10/10/2010 11:01:46 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1010067	**Collection Date:**	9/27/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Dimethyl phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2,4-Dichlorophenol	ND	20		µg/L	1	10/10/2010 11:01:46 PM
2,4-Dimethylphenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	10/10/2010 11:01:46 PM
2,4-Dinitrophenol	ND	20		µg/L	1	10/10/2010 11:01:46 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Fluoranthene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Fluorene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Hexachlorobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Hexachlorobutadiene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Hexachloroethane	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Isophorone	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Methylnaphthalene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Methylphenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
3+4-Methylphenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	10/10/2010 11:01:46 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	10/10/2010 11:01:46 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Naphthalene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Nitroaniline	ND	10		µg/L	1	10/10/2010 11:01:46 PM
3-Nitroaniline	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Nitroaniline	ND	20		µg/L	1	10/10/2010 11:01:46 PM
Nitrobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Nitrophenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Nitrophenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Pentachlorophenol	ND	20		µg/L	1	10/10/2010 11:01:46 PM
Phenanthrene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Phenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Pyrene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Pyridine	ND	10		µg/L	1	10/10/2010 11:01:46 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Surr: 2,4,6-Tribromophenol	71.9	16.6-150		%REC	1	10/10/2010 11:01:46 PM
Surr: 2-Fluorobiphenyl	72.4	19.6-134		%REC	1	10/10/2010 11:01:46 PM
Surr: 2-Fluorophenol	52.8	9.54-113		%REC	1	10/10/2010 11:01:46 PM
Surr: 4-Terphenyl-d14	70.7	22.7-145		%REC	1	10/10/2010 11:01:46 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1010067	**Collection Date:**	9/27/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	75.6	14.6-134		%REC	1	10/10/2010 11:01:46 PM
Surr: Phenol-d5	38.8	10.7-80.3		%REC	1	10/10/2010 11:01:46 PM
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Toluene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Ethylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Naphthalene	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/2/2010 9:10:21 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/2/2010 9:10:21 PM
Acetone	ND	10		µg/L	1	10/2/2010 9:10:21 PM
Bromobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Bromoform	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Bromomethane	ND	3.0		µg/L	1	10/2/2010 9:10:21 PM
2-Butanone	ND	10		µg/L	1	10/2/2010 9:10:21 PM
Carbon disulfide	ND	10		µg/L	1	10/2/2010 9:10:21 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Chlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Chloroethane	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
Chloroform	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Chloromethane	ND	3.0		µg/L	1	10/2/2010 9:10:21 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Dibromomethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1010067	**Collection Date:**	9/27/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichloropropane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
2-Hexanone	ND	10		µg/L	1	10/2/2010 9:10:21 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/2/2010 9:10:21 PM
Methylene Chloride	ND	3.0		µg/L	1	10/2/2010 9:10:21 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Styrene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
Vinyl chloride	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Xylenes, Total	ND	1.5		µg/L	1	10/2/2010 9:10:21 PM
Surr: 1,2-Dichloroethane-d4	114	54.6-141		%REC	1	10/2/2010 9:10:21 PM
Surr: 4-Bromofluorobenzene	105	60.1-133		%REC	1	10/2/2010 9:10:21 PM
Surr: Dibromofluoromethane	113	78.5-130		%REC	1	10/2/2010 9:10:21 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	10/2/2010 9:10:21 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1010067	**Collection Date:**	9/27/2010 2:40:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/5/2010 2:18:14 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/5/2010 2:18:14 AM
Surr: DNOP	124	86.9-151		%REC	1	10/5/2010 2:18:14 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/5/2010 8:04:11 PM
Surr: BFB	103	79.9-117		%REC	1	10/5/2010 8:04:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.52	0.10		mg/L	1	10/5/2010 3:42:54 PM
Chloride	27	10		mg/L	20	10/5/2010 4:00:18 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	10/7/2010 6:57:06 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/5/2010 3:42:54 PM
Sulfate	140	10		mg/L	20	10/5/2010 4:00:18 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	10/14/2010 12:59:16 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/18/2010 11:58:41 AM
Barium	0.026	0.020		mg/L	1	10/18/2010 11:58:41 AM
Cadmium	ND	0.0020		mg/L	1	10/18/2010 11:58:41 AM
Calcium	4.3	1.0		mg/L	1	10/18/2010 11:58:41 AM
Chromium	ND	0.0060		mg/L	1	10/18/2010 11:58:41 AM
Copper	ND	0.0060		mg/L	1	10/18/2010 11:58:41 AM
Iron	0.058	0.020		mg/L	1	10/18/2010 11:58:41 AM
Lead	ND	0.0050		mg/L	1	10/18/2010 11:58:41 AM
Magnesium	ND	1.0		mg/L	1	10/18/2010 11:58:41 AM
Manganese	0.031	0.0020		mg/L	1	10/18/2010 11:58:41 AM
Potassium	1.2	1.0		mg/L	1	10/18/2010 11:58:41 AM
Selenium	ND	0.050		mg/L	1	10/18/2010 11:58:41 AM
Silver	ND	0.0050		mg/L	1	10/18/2010 11:58:41 AM
Sodium	230	5.0		mg/L	5	10/18/2010 12:13:44 PM
Zinc	0.079	0.050		mg/L	1	10/19/2010 2:05:26 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/6/2010 12:47:23 PM
Barium	0.025	0.020		mg/L	1	10/6/2010 12:47:23 PM
Cadmium	ND	0.0020		mg/L	1	10/6/2010 12:47:23 PM
Chromium	ND	0.0060		mg/L	1	10/6/2010 12:47:23 PM
Copper	ND	0.0060		mg/L	1	10/6/2010 12:47:23 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1010067	**Collection Date:**	9/27/2010 2:40:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	0.065	0.050		mg/L	1	10/6/2010 12:47:23 PM
Lead	ND	0.0050		mg/L	1	10/6/2010 12:47:23 PM
Manganese	0.030	0.0020		mg/L	1	10/6/2010 12:47:23 PM
Selenium	ND	0.050		mg/L	1	10/6/2010 12:47:23 PM
Silver	ND	0.0050		mg/L	1	10/6/2010 12:47:23 PM
Zinc	ND	0.020		mg/L	1	10/6/2010 12:47:23 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Acenaphthylene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Aniline	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Anthracene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Azobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benz(a)anthracene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benzo(a)pyrene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benzoic acid	ND	20		µg/L	1	10/10/2010 11:31:34 PM
Benzyl alcohol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Butyl benzyl phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Carbazole	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Chloroaniline	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Chloronaphthalene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Chlorophenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Chrysene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Di-n-butyl phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Di-n-octyl phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Dibenzofuran	ND	10		µg/L	1	10/10/2010 11:31:34 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	10/10/2010 11:31:34 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1010067	**Collection Date:**	9/27/2010 2:40:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Diethyl phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Dimethyl phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2,4-Dichlorophenol	ND	20		µg/L	1	10/10/2010 11:31:34 PM
2,4-Dimethylphenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	10/10/2010 11:31:34 PM
2,4-Dinitrophenol	ND	20		µg/L	1	10/10/2010 11:31:34 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Fluoranthene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Fluorene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Hexachlorobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Hexachlorobutadiene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Hexachloroethane	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Isophorone	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Methylnaphthalene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Methylphenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
3+4-Methylphenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	10/10/2010 11:31:34 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	10/10/2010 11:31:34 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Naphthalene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Nitroaniline	ND	10		µg/L	1	10/10/2010 11:31:34 PM
3-Nitroaniline	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Nitroaniline	ND	20		µg/L	1	10/10/2010 11:31:34 PM
Nitrobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Nitrophenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Nitrophenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Pentachlorophenol	ND	20		µg/L	1	10/10/2010 11:31:34 PM
Phenanthrene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Phenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Pyrene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Pyridine	ND	10		µg/L	1	10/10/2010 11:31:34 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Surr: 2,4,6-Tribromophenol	78.3	16.6-150		%REC	1	10/10/2010 11:31:34 PM
Surr: 2-Fluorobiphenyl	77.6	19.6-134		%REC	1	10/10/2010 11:31:34 PM
Surr: 2-Fluorophenol	58.1	9.54-113		%REC	1	10/10/2010 11:31:34 PM
Surr: 4-Terphenyl-d14	62.5	22.7-145		%REC	1	10/10/2010 11:31:34 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1010067	**Collection Date:**	9/27/2010 2:40:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Surr: Nitrobenzene-d5	80.4	14.6-134		%REC	1	10/10/2010 11:31:34 PM
Surr: Phenol-d5	48.3	10.7-80.3		%REC	1	10/10/2010 11:31:34 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Toluene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Naphthalene	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 12:13:36 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 12:13:36 AM
Acetone	ND	10		µg/L	1	10/3/2010 12:13:36 AM
Bromobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Bromoform	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Bromomethane	ND	3.0		µg/L	1	10/3/2010 12:13:36 AM
2-Butanone	ND	10		µg/L	1	10/3/2010 12:13:36 AM
Carbon disulfide	ND	10		µg/L	1	10/3/2010 12:13:36 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Chloroethane	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
Chloroform	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Chloromethane	ND	3.0		µg/L	1	10/3/2010 12:13:36 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Dibromomethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1010067	**Collection Date:**	9/27/2010 2:40:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
2-Hexanone	ND	10		µg/L	1	10/3/2010 12:13:36 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2010 12:13:36 AM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2010 12:13:36 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Styrene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2010 12:13:36 AM
Surr: 1,2-Dichloroethane-d4	111	54.6-141		%REC	1	10/3/2010 12:13:36 AM
Surr: 4-Bromofluorobenzene	115	60.1-133		%REC	1	10/3/2010 12:13:36 AM
Surr: Dibromofluoromethane	106	78.5-130		%REC	1	10/3/2010 12:13:36 AM
Surr: Toluene-d8	104	79.5-126		%REC	1	10/3/2010 12:13:36 AM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
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Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1010067	**Collection Date:**	9/27/2010 8:00:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Toluene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Naphthalene	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 12:39:47 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 12:39:47 AM
Acetone	ND	10		µg/L	1	10/3/2010 12:39:47 AM
Bromobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Bromoform	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Bromomethane	ND	3.0		µg/L	1	10/3/2010 12:39:47 AM
2-Butanone	ND	10		µg/L	1	10/3/2010 12:39:47 AM
Carbon disulfide	ND	10		µg/L	1	10/3/2010 12:39:47 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Chloroethane	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
Chloroform	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Chloromethane	ND	3.0		µg/L	1	10/3/2010 12:39:47 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Dibromomethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1010067	**Collection Date:**	9/27/2010 8:00:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
2-Hexanone	ND	10		µg/L	1	10/3/2010 12:39:47 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2010 12:39:47 AM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2010 12:39:47 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Styrene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2010 12:39:47 AM
Surr: 1,2-Dichloroethane-d4	112	54.6-141		%REC	1	10/3/2010 12:39:47 AM
Surr: 4-Bromofluorobenzene	109	60.1-133		%REC	1	10/3/2010 12:39:47 AM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	10/3/2010 12:39:47 AM
Surr: Toluene-d8	110	79.5-126		%REC	1	10/3/2010 12:39:47 AM

ualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1010067	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Toluene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Naphthalene	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 1:06:07 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 1:06:07 AM
Acetone	ND	10		µg/L	1	10/3/2010 1:06:07 AM
Bromobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Bromoform	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Bromomethane	ND	3.0		µg/L	1	10/3/2010 1:06:07 AM
2-Butanone	ND	10		µg/L	1	10/3/2010 1:06:07 AM
Carbon disulfide	ND	10		µg/L	1	10/3/2010 1:06:07 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Chloroethane	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
Chloroform	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Chloromethane	ND	3.0		µg/L	1	10/3/2010 1:06:07 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Dibromomethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1010067	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	10/3/2010 1:06:07 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2010 1:06:07 AM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2010 1:06:07 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Styrene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2010 1:06:07 AM
Surr: 1,2-Dichloroethane-d4	104	64.6-141		%REC	1	10/3/2010 1:06:07 AM
Surr: 4-Bromofluorobenzene	110	60.1-133		%REC	1	10/3/2010 1:06:07 AM
Surr: Dibromofluoromethane	99.0	78.5-130		%REC	1	10/3/2010 1:06:07 AM
Surr: Toluene-d8	105	79.5-126		%REC	1	10/3/2010 1:06:07 AM

Qualifiers:

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1010067
Lab ID: B10100480-001
Client Sample ID 1010067-02D & -02F OW-50

Report Date: 10/13/10
Collection Date: 09/27/10 10:48
DateReceived: 10/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.006	mg/L		0.001		SW6020	10/09/10 06:02 / jjw
METALS, TOTAL							
Uranium	0.006	mg/L		0.001		SW6020	10/13/10 00:29 / tao

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

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1010067
Lab ID: B10100480-002
Client Sample ID 1010067-03D & -03F OW-52

Report Date: 10/13/10
Collection Date: 09/27/10 14:40
DateReceived: 10/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.009	mg/L		0.001		SW6020	10/09/10 06:07 / jjw
METALS, TOTAL							
Uranium	0.010	mg/L		0.001		SW6020	10/13/10 00:33 / tao

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

QA/QC Summary Report

Client: Hall Environmental
Project: 1010067

Report Date: 10/13/10
Work Order: B10100480

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_101012A	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard							10/12/10 12:42	
Uranium		0.0192	mg/L	0.00030	96	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							10/12/10 12:46	
Uranium		1.40E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB							10/12/10 12:50	
Uranium		2.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: 49638	
Sample ID: MB-49638		Method Blank				Run: ICPMS202-B_101012A			10/13/10 00:01	
Uranium		ND	mg/L	2E-05						
Sample ID: B10100459-001BDIL		Serial Dilution				Run: ICPMS202-B_101012A			10/13/10 00:25	
Uranium		0.00175	mg/L	0.0010		0	0		10	N
Sample ID: LCS-49638		Laboratory Control Sample				Run: ICPMS202-B_101012A			10/13/10 00:37	
Uranium		0.503	mg/L	0.0010	101	85	115			
Sample ID: B10100459-001BMS3		Sample Matrix Spike				Run: ICPMS202-B_101012A			10/13/10 00:41	
Uranium		0.533	mg/L	0.0010	106	75	125			
Sample ID: B10100459-001BMSD3		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101012A			10/13/10 00:45	
Uranium		0.555	mg/L	0.0010	111	75	125	4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Hall Environmental
Project: 1010067

Report Date: 10/13/10
Work Order: B10100480

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_101008A	
Sample ID: QCS-100607A,100726		Initial Calibration Verification Standard								10/08/10 17:24
Uranium		0.0208	mg/L	0.00030	104	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								10/08/10 17:29
Uranium		1.20E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B,09		Interference Check Sample AB								10/08/10 17:33
Uranium		3.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R155275
Sample ID: B10100211-001AMS		Sample Matrix Spike				Run: ICPMS203-B_101008A				10/09/10 02:07
Uranium		0.236	mg/L	0.0010	93	75	125			
Sample ID: B10100211-002ADIL		Serial Dilution				Run: ICPMS203-B_101008A				10/09/10 03:09
Uranium		0.0106	mg/L	0.0010		0	0			
Sample ID: B10100211-001AMSD		Sample Matrix Spike Duplicate				Run: ICPMS203-B_101008A				10/09/10 04:07
Uranium		0.231	mg/L	0.0010	91	75	125	1.9	20	
Sample ID: LRB		Method Blank				Run: ICPMS203-B_101008A				10/08/10 15:15
Uranium		ND	mg/L	4E-06						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS203-B_101008A				10/08/10 15:19
Uranium		0.0524	mg/L	0.00030	105	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41371**	Analysis Date:	10/5/2010 12:14:01 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41400**	Analysis Date:	10/6/2010 11:41:54 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R41371**	Analysis Date:	10/5/2010 12:31:25 PM		
Fluoride	0.5005	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.925	mg/L	0.50	5	0	98.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.500	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	5.282	mg/L	0.50	5	0	106	90	110			
Sulfate	9.912	mg/L	0.50	10	0	99.1	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R41400**	Analysis Date:	10/6/2010 11:59:19 PM		
Fluoride	0.5222	mg/L	0.10	0.5	0	104	90	110			
Chloride	5.032	mg/L	0.50	5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.562	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.366	mg/L	0.50	5	0	107	90	110			
Sulfate	10.18	mg/L	0.50	10	0	102	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23985		*MBLK*				Batch ID:	**23985**	Analysis Date:	10/4/2010 7:31:23 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23985		*LCS*				Batch ID:	**23985**	Analysis Date:	10/4/2010 8:05:29 PM		
Diesel Range Organics (DRO)	5.179	mg/L	1.0	5	0	104	74	157			
Sample ID: LCSD-23985		*LCSD*				Batch ID:	**23985**	Analysis Date:	10/4/2010 8:39:36 PM		
Diesel Range Organics (DRO)	5.753	mg/L	1.0	5	0	115	74	157	10.5	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41374**	Analysis Date:	10/5/2010 9:40:13 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: b 21		*MBLK*				Batch ID:	**R41374**	Analysis Date:	10/5/2010 6:37:23 PM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41374**	Analysis Date:	10/5/2010 8:33:15 PM		
Gasoline Range Organics (GRO)	0.5606	mg/L	0.050	0.5	0	112	89.5	122			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41374**	Analysis Date:	10/7/2010 10:58:01 AM		
Gasoline Range Organics (GRO)	0.5608	mg/L	0.050	0.5	0	112	89.5	122			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1010067-02a msd		*MSD*				Batch ID: **R41337**		Analysis Date:		10/2/2010 10:02:38 PM	
Benzene	19.60	µg/L	1.0	20	0	98.0	75.7	118	2.87	15	
Toluene	17.80	µg/L	1.0	20	0	89.0	80.1	114	6.39	15	
Chlorobenzene	19.25	µg/L	1.0	20	0	96.2	81.5	112	1.23	15	
1,1-Dichloroethene	20.34	µg/L	1.0	20	0	102	77.4	132	1.19	17.8	
Trichloroethene (TCE)	18.40	µg/L	1.0	20	0	92.0	61.1	121	2.82	19.8	
Sample ID: 5ml-rb		*MBLK*				Batch ID: **R41337**		Analysis Date:		10/2/2010 11:49:14 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Ac[illegible]ne	ND	µg/L	10								
[illegible]benzene	ND	µg/L	1.0								
[illegible]modichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3 [illegible]loropropane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
				Batch ID: **R41337**			Analysis Date:	10/2/2010 11:49:14 AM			
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b7		*MBLK*									
				Batch ID: **R41337**			Analysis Date:	10/2/2010 10:28:59 PM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Project: Western Refining Southwest, Gallup 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*					**Batch ID: R41337**		**Analysis Date: 10/2/2010 10:28:59 PM**		
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,2-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*				Batch ID:	**R41337**	Analysis Date:	10/2/2010 10:28:59 PM		
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41337**	Analysis Date:	10/2/2010 12:52:02 PM		
Benzene	18.95	µg/L	1.0	20	0	94.8	82.4	116			
Toluene	18.18	µg/L	1.0	20	0	90.9	89.5	123			
Chlorobenzene	18.56	µg/L	1.0	20	0	92.8	87.8	120			
1,1-Dichloroethene	19.27	µg/L	1.0	20	0	96.4	90.3	138			
Trichloroethene (TCE)	17.71	µg/L	1.0	20	0	88.6	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41337**	Analysis Date:	10/2/2010 11:21:23 PM		
Benzene	19.48	µg/L	1.0	20	0	97.4	82.4	116			
Toluene	18.83	µg/L	1.0	20	0	94.2	89.5	123			
Chlorobenzene	19.15	µg/L	1.0	20	0	95.7	87.8	120			
1,1-Dichloroethene	19.58	µg/L	1.0	20	0	97.9	90.3	138			
Trichloroethene (TCE)	17.95	µg/L	1.0	20	0	89.8	64	129			
Sample ID: 1010067-02a ms		*MS*				Batch ID:	**R41337**	Analysis Date:	10/2/2010 9:36:32 PM		
Benzene	20.17	µg/L	1.0	20	0	101	75.7	118			
Toluene	18.98	µg/L	1.0	20	0	94.9	80.1	114			
Chlorobenzene	19.48	µg/L	1.0	20	0	97.4	81.5	112			
1,1-Dichloroethene	20.58	µg/L	1.0	20	0	103	77.4	132			
Trichloroethene (TCE)	18.92	µg/L	1.0	20	0	94.6	61.1	121			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23981		*MBLK*					**Batch ID:** 23981		**Analysis Date:** 10/10/2010 5:29:58 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
[redacted]ole	ND	µg/L	10								
[redacted]hloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	5.0								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	5.0								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	5.0								
2,4-Dinitrotoluene	ND	µg/L	5.0								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hex[redacted]lorobenzene	ND	µg/L	5.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23981		*MBLK*				Batch ID:	**23981**	Analysis Date:	10/10/2010 5:29:58 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	5.0								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-23981		*LCS*				Batch ID:	**23981**	Analysis Date:	10/10/2010 6:00:33 PM		
Acenaphthene	60.90	µg/L	10	100	0	60.9	29.3	113			
4-Chloro-3-methylphenol	64.16	µg/L	10	100	0	64.2	23.3	123			
2-Chlorophenol	59.36	µg/L	10	100	0	59.4	23.9	112			
1,4-Dichlorobenzene	48.68	µg/L	10	100	0	48.7	16.5	106			
2,4-Dinitrotoluene	72.30	µg/L	10	100	0	72.3	27.7	126			
N-Nitrosodi-n-propylamine	66.86	µg/L	10	100	0	66.9	25.9	113			
4-Nitrophenol	46.16	µg/L	10	100	0	46.2	13.2	76.7			
Pentachlorophenol	63.12	µg/L	20	100	0	63.1	22.4	121			
Phenol	39.22	µg/L	10	100	0	39.2	15.3	68.3			
Pyrene	65.44	µg/L	10	100	0	65.4	23.5	119			
1,2,4-Trichlorobenzene	55.10	µg/L	10	100	0	55.1	23	107			
Sample ID: lcsd-23981		*LCSD*				Batch ID:	**23981**	Analysis Date:	10/10/2010 6:30:55 PM		
Acenaphthene	59.30	µg/L	10	100	0	59.3	29.3	113	2.66	30.5	
4-Chloro-3-methylphenol	63.88	µg/L	10	100	0	63.9	23.3	123	0.437	28.6	
2-Chlorophenol	54.34	µg/L	10	100	0	54.3	23.9	112	8.83	107	
1,4-Dichlorobenzene	42.56	µg/L	10	100	0	42.6	16.5	106	13.4	62.1	
2,4-Dinitrotoluene	74.84	µg/L	10	100	0	74.8	27.7	126	3.45	14.7	

Qualifiers:

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

QA/QC SUMMARY REPORT

[redacted]: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23981		*LCSD*				Batch ID:	**23981**	Analysis Date:		10/10/2010 6:30:55 PM	
N-Nitrosodi-n-propylamine	62.88	µg/L	10	100	0	62.9	25.9	113	6.14	30.3	
4-Nitrophenol	45.04	µg/L	10	100	0	45.0	13.2	76.7	2.46	36.3	
Pentachlorophenol	62.84	µg/L	20	200	0	31.4	22.4	121	0.445	49	
Phenol	34.72	µg/L	10	100	0	34.7	15.3	68.3	12.2	52.4	
Pyrene	64.78	µg/L	10	100	0	64.8	23.5	119	1.01	16.3	
1,2,4-Trichlorobenzene	64.74	µg/L	10	100	0	54.7	23	107	0.655	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-24114		*MBLK*				Batch ID:	**24114**	Analysis Date:		10/14/2010 12:52:15 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24114		*LCS*				Batch ID:	**24114**	Analysis Date:		10/14/2010 12:53:59 PM	
Mercury	0.004994	mg/L	0.00020	0.005	1E-05	99.6	80	120			
Sample ID: LCS-24114		*LCS*				Batch ID:	**24114**	Analysis Date:		10/14/2010 12:55:45 PM	
Mercury	0.005003	mg/L	0.00020	0.005	1E-05	99.8	80	120	0.182	0	
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R41653**	Analysis Date:		10/19/2010 1:48:38 PM	
Arsenic	ND	mg/L	0.020								
[redacted]	ND	mg/L	0.020								
[redacted]mium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	**R41653**	Analysis Date:		10/19/2010 1:51:24 PM	
Arsenic	0.5373	mg/L	0.020	0.5	0	107	80	120			
Barium	0.5067	mg/L	0.020	0.5	0	101	80	120			
Cadmium	0.5260	mg/L	0.0020	0.5	0	105	80	120			
Chromium	0.5159	mg/L	0.0060	0.5	0	103	80	120			
Lead	0.5183	mg/L	0.0050	0.5	0	104	80	120			
Manganese	0.5046	mg/L	0.0020	0.5	0	101	80	120			
Selenium	0.5181	mg/L	0.050	0.5	0	104	80	120			
Silver	0.5293	mg/L	0.0050	0.5	0	106	80	120			
Zinc	0.5090	mg/L	0.050	0.5	0	102	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R41653**	Analysis Date:		10/19/2010 1:54:42 PM	
Calcium	58.95	mg/L	1.0	50.5	0.0187	117	80	120			
Magnesium	59.45	mg/L	1.0	50.5	0.0159	118	80	120			
Sodium	58.47	mg/L	1.0	50.5	0.0601	116	80	120			

[redacted]

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA 6010B: Total Recoverable Metals**											
Sample ID: **MB-23988**		*MBLK*				Batch ID:	**23988**	Analysis Date:	10/6/2010 11:49:54 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: **LCS-23988**		*LCS*				Batch ID:	**23988**	Analysis Date:	10/6/2010 11:52:57 AM		
Arsenic	0.5252	mg/L	0.020	0.5	0	105	80	120			
Barium	0.5064	mg/L	0.020	0.5	0	101	80	120			
Cadmium	0.5146	mg/L	0.0020	0.5	0	103	80	120			
Chromium	0.5126	mg/L	0.0060	0.5	0	103	80	120			
Copper	0.5711	mg/L	0.0060	0.5	0	114	80	120			
Iron	0.5074	mg/L	0.050	0.5	0	101	80	120			
Lead	0.5063	mg/L	0.0050	0.5	0	101	80	120			
Manganese	0.5049	mg/L	0.0020	0.5	0	101	80	120			
Selenium	0.4908	mg/L	0.050	0.5	0	98.2	80	120			
Silver	0.5257	mg/L	0.0050	0.5	0	105	80	120			
Zinc	0.4908	mg/L	0.020	0.5	0	98.2	80	120			
Sample ID: **LCS-23988**		*LCS*				Batch ID:	**23988**	Analysis Date:	10/6/2010 11:56:09 AM		
Arsenic	0.5351	mg/L	0.020	0.5	0	107	80	120			
Barium	0.5162	mg/L	0.020	0.5	0	103	80	120			
Cadmium	0.5193	mg/L	0.0020	0.5	0	104	80	120			
Chromium	0.5224	mg/L	0.0060	0.5	0	104	80	120			
Copper	0.5810	mg/L	0.0060	0.5	0	116	80	120			
Iron	0.5151	mg/L	0.050	0.5	0	103	80	120			
Lead	0.5118	mg/L	0.0050	0.5	0	102	80	120			
Manganese	0.5141	mg/L	0.0020	0.5	0	103	80	120			
Selenium	0.4947	mg/L	0.050	0.5	0	98.9	80	120			
Silver	0.5343	mg/L	0.0050	0.5	0	107	80	120			
Zinc	0.4997	mg/L	0.020	0.5	0	99.9	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 9/29/2010

Work Order Number 1010067 | Received by: MLW

Checklist completed by: _____ 09/29/10 | Sample ID labels checked by: MG

Signature | Date | Initials

Matrix: | Carrier name UPS

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

Number of preserved bottles checked for pH: 10

<2 >12 unless noted below.

Container/Temp Blank temperature? 0.5° <6° C Acceptable If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

_____

_____

_____

_____

Corrective Action _____

_____

_____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: 3rd Qtr 2010

Project #: OW30, 50, 52

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1010017	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) TMTBE	8270 (Semi-VOA)	WQCC Metals Tot+Diss	Gen Chem			Air Bubbles (Y or N)
9/27/10	0937	H2O	OW-30			-1										X						
	1048		OW-50			-2			X							X	X	X	X			
	1440		OW-52			-3			X							X	X	X	X			
	0800		Field Blank			-4										X						
			Trip Blank			-5										X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/27/10	1530		Melissa Morton	9/29/10	1000
Date:	Time:	Relinquished by:	Received by:	Date	Time

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

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.

OW-50

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, March 29, 2010

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

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

RE: 1st Qtr 2010

Order No.: 1003408

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 3/17/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

62-WO

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1003408	**Collection Date:**	3/16/2010 10:49:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003408-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/22/2010 6:09:02 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/22/2010 6:09:02 AM
Surr: DNOP	123	58-140		%REC	1	3/22/2010 6:09:02 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/25/2010 12:21:16 AM
Surr: BFB	95.9	55.2-107		%REC	1	3/25/2010 12:21:16 AM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	0.53	0.10		mg/L	1	3/18/2010 1:28:59 AM
Chloride	29	10		mg/L	20	3/18/2010 12:36:45 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	3/18/2010 1:28:59 AM
Bromide	0.22	0.10		mg/L	1	3/18/2010 1:28:59 AM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	3/18/2010 1:28:59 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	3/18/2010 1:28:59 AM
Sulfate	150	10		mg/L	20	3/18/2010 12:36:45 AM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.00020		mg/L	1	3/22/2010 2:59:35 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	3/22/2010 1:36:18 PM
Barium	0.036	0.020		mg/L	1	3/22/2010 1:36:18 PM
Cadmium	ND	0.0020		mg/L	1	3/22/2010 1:36:18 PM
Calcium	19	1.0		mg/L	1	3/22/2010 1:36:18 PM
Chromium	ND	0.0060		mg/L	1	3/22/2010 1:36:18 PM
Copper	ND	0.0060		mg/L	1	3/22/2010 1:36:18 PM
Iron	ND	0.020		mg/L	1	3/22/2010 1:36:18 PM
Lead	ND	0.0050		mg/L	1	3/22/2010 1:36:18 PM
Magnesium	3.1	1.0		mg/L	1	3/22/2010 1:36:18 PM
Manganese	0.076	0.0020		mg/L	1	3/22/2010 1:36:18 PM
Potassium	ND	1.0		mg/L	1	3/22/2010 1:36:18 PM
Selenium	ND	0.050		mg/L	1	3/22/2010 1:36:18 PM
Silver	ND	0.0050		mg/L	1	3/22/2010 1:36:18 PM
Sodium	210	5.0		mg/L	5	3/22/2010 3:11:26 PM
Zinc	ND	0.050		mg/L	1	3/22/2010 1:36:18 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	3/24/2010 12:32:03 PM
Barium	0.038	0.020		mg/L	1	3/24/2010 12:32:03 PM
Cadmium	ND	0.0020		mg/L	1	3/24/2010 12:32:03 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1003408	**Collection Date:**	3/16/2010 10:49:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003408-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Chromium	ND	0.0060		mg/L	1	3/24/2010 12:32:03 PM
Copper	ND	0.0060		mg/L	1	3/24/2010 12:32:03 PM
Iron	ND	0.050		mg/L	1	3/24/2010 12:32:03 PM
Lead	ND	0.0050		mg/L	1	3/24/2010 12:32:03 PM
Manganese	0.079	0.0020		mg/L	1	3/24/2010 12:32:03 PM
Selenium	ND	0.050		mg/L	1	3/24/2010 12:32:03 PM
Silver	ND	0.0050		mg/L	1	3/24/2010 12:32:03 PM
Zinc	ND	0.020		mg/L	1	3/24/2010 12:32:03 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Acenaphthylene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Aniline	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Anthracene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Azobenzene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Benz(a)anthracene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Benzoic acid	20	20		µg/L	1	3/22/2010 6:42:46 PM
Benzyl alcohol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Bis(2-ethylhexyl)phthalate	11	10		µg/L	1	3/22/2010 6:42:46 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Butyl benzyl phthalate	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Carbazole	ND	10		µg/L	1	3/22/2010 6:42:46 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
4-Chloroaniline	ND	10		µg/L	1	3/22/2010 6:42:46 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
2-Chlorophenol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Chrysene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Di-n-butyl phthalate	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Dibenzofuran	ND	10		µg/L	1	3/22/2010 6:42:46 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/22/2010 6:42:46 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1003408	**Collection Date:**	3/16/2010 10:49:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003408-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
1,4-Dichlorobenzene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Diethyl phthalate	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Dimethyl phthalate	ND	10		µg/L	1	3/22/2010 6:42:46 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/22/2010 6:42:46 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/22/2010 6:42:46 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/22/2010 6:42:46 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Fluoranthene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Fluorene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Hexachlorobenzene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Hexachloroethane	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Isophorone	ND	10		µg/L	1	3/22/2010 6:42:46 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
2-Methylphenol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
3+4-Methylphenol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/22/2010 6:42:46 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/22/2010 6:42:46 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Naphthalene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
2-Nitroaniline	ND	10		µg/L	1	3/22/2010 6:42:46 PM
3-Nitroaniline	ND	10		µg/L	1	3/22/2010 6:42:46 PM
4-Nitroaniline	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Nitrobenzene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
2-Nitrophenol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
4-Nitrophenol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Pentachlorophenol	ND	20		µg/L	1	3/22/2010 6:42:46 PM
Phenanthrene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Phenol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Pyrene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Pyridine	ND	10		µg/L	1	3/22/2010 6:42:46 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/22/2010 6:42:46 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/22/2010 6:42:46 PM
Surr: 2,4,6-Tribromophenol	102	16.6-150		%REC	1	3/22/2010 6:42:46 PM
Surr: 2-Fluorobiphenyl	98.2	19.6-134		%REC	1	3/22/2010 6:42:46 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1003408	**Collection Date:**	3/16/2010 10:49:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003408-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Surr: 2-Fluorophenol	63.0	9.54-113		%REC	1	3/22/2010 6:42:46 PM
Surr: 4-Terphenyl-d14	82.7	22.7-145		%REC	1	3/22/2010 6:42:46 PM
Surr: Nitrobenzene-d5	77.3	14.6-134		%REC	1	3/22/2010 6:42:46 PM
Surr: Phenol-d5	41.6	10.7-80.3		%REC	1	3/22/2010 6:42:46 PM
EPA METHOD 8260B: VOLATILES						Analyst: DAM
Benzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Toluene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Ethylbenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Naphthalene	ND	2.0		µg/L	1	3/19/2010 10:20:18 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 10:20:18 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 10:20:18 PM
Acetone	ND	10		µg/L	1	3/19/2010 10:20:18 PM
Bromobenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Bromoform	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Bromomethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
2-Butanone	ND	10		µg/L	1	3/19/2010 10:20:18 PM
Carbon disulfide	ND	10		µg/L	1	3/19/2010 10:20:18 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Chlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Chloroethane	ND	2.0		µg/L	1	3/19/2010 10:20:18 PM
Chloroform	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Chloromethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/19/2010 10:20:18 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Dibromomethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1003408	**Collection Date:**	3/16/2010 10:49:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003408-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
1,1-Dichloroethene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/19/2010 10:20:18 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
2-Hexanone	ND	10		µg/L	1	3/19/2010 10:20:18 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/19/2010 10:20:18 PM
Methylene Chloride	ND	3.0		µg/L	1	3/19/2010 10:20:18 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Styrene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/19/2010 10:20:18 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/19/2010 10:20:18 PM
Vinyl chloride	ND	1.0		µg/L	1	3/19/2010 10:20:18 PM
Xylenes, Total	ND	1.5		µg/L	1	3/19/2010 10:20:18 PM
Surr: 1,2-Dichloroethane-d4	93.1	54.6-141		%REC	1	3/19/2010 10:20:18 PM
Surr: 4-Bromofluorobenzene	115	60.1-133		%REC	1	3/19/2010 10:20:18 PM
Surr: Dibromofluoromethane	92.9	78.5-130		%REC	1	3/19/2010 10:20:18 PM
Surr: Toluene-d8	104	79.5-126		%REC	1	3/19/2010 10:20:18 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1000	0.010		µmhos/cm	1	3/18/2010 3:15:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.34	0.1		pH units	1	3/18/2010 3:15:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1003408	**Collection Date:**	
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003408-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Toluene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Ethylbenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Naphthalene	ND	2.0		µg/L	1	3/19/2010 10:48:34 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 10:48:34 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 10:48:34 PM
Acetone	ND	10		µg/L	1	3/19/2010 10:48:34 PM
Bromobenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Bromoform	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Bromomethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
2-Butanone	ND	10		µg/L	1	3/19/2010 10:48:34 PM
Carbon disulfide	ND	10		µg/L	1	3/19/2010 10:48:34 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Chlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Chloroethane	ND	2.0		µg/L	1	3/19/2010 10:48:34 PM
Chloroform	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Chloromethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/19/2010 10:48:34 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Dibromomethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/19/2010 10:48:34 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1003408	**Collection Date:**	
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003408-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
2-Hexanone	ND	10		µg/L	1	3/19/2010 10:48:34 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/19/2010 10:48:34 PM
Methylene Chloride	ND	3.0		µg/L	1	3/19/2010 10:48:34 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Styrene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/19/2010 10:48:34 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/19/2010 10:48:34 PM
Vinyl chloride	ND	1.0		µg/L	1	3/19/2010 10:48:34 PM
Xylenes, Total	ND	1.5		µg/L	1	3/19/2010 10:48:34 PM
Surr: 1,2-Dichloroethane-d4	90.8	54.6-141		%REC	1	3/19/2010 10:48:34 PM
Surr: 4-Bromofluorobenzene	109	60.1-133		%REC	1	3/19/2010 10:48:34 PM
Surr: Dibromofluoromethane	87.1	78.5-130		%REC	1	3/19/2010 10:48:34 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	3/19/2010 10:48:34 PM

Qualifiers:

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

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100319021
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003408
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100319021-001	**Sampling Date**	3/16/2010	**Date/Time Received**	3/19/2010 10:20 AM
Client Sample ID	1003408-01D / OW-50	**Sampling Time**	10:49 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00826	mg/L	0.001	3/24/2010	JTT	EPA 6020A	

Sample Number	100319021-002	**Sampling Date**	3/16/2010	**Date/Time Received**	3/19/2010 10:20 AM
Client Sample ID	1003408-01F / OW-50	**Sampling Time**	10:49 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00641	mg/L	0.001	3/24/2010	JTT	EPA 6020A	

Authorized Signature

John Coddington, Lab Manager

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

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

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2832; ID:WA00169; WA:C1287; MT:Cert0095

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003408

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R37827**	Analysis Date:	3/17/2010 10:21:14 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R37827**	Analysis Date:	3/18/2010 2:21:12 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R37827**	Analysis Date:	3/17/2010 10:38:39 AM		
Fluoride	0.5410	mg/L	0.10	0.5	0	108	90	110			
Chloride	4.952	mg/L	0.50	5	0	99.0	90	110			
Nitrogen, Nitrite (As N)	1.000	mg/L	0.10	1	0	100	90	110			
Bromide	2.516	mg/L	0.10	2.5	0	101	90	110			
Nitrogen, Nitrate (As N)	2.542	mg/L	0.10	2.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.054	mg/L	0.50	5	0	101	90	110			
Sulfate	10.21	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37827**	Analysis Date:	3/18/2010 2:38:37 AM		
Chloride	5.158	mg/L	0.50	5	0	103	90	110			
Nitrogen, Nitrite (As N)	1.047	mg/L	0.10	1	0	105	90	110			
Bromide	2.606	mg/L	0.10	2.5	0	104	90	110			
Nitrogen, Nitrate (As N)	2.650	mg/L	0.10	2.5	0	106	90	110			
Phosphorus, Orthophosphate (As P)	5.304	mg/L	0.50	5	0	106	90	110			
Sulfate	10.68	mg/L	0.50	10	0	107	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21685		*MBLK*				Batch ID:	**21685**	Analysis Date:	3/21/2010 8:36:20 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21685		*LCS*				Batch ID:	**21685**	Analysis Date:	3/21/2010 9:12:34 PM		
Diesel Range Organics (DRO)	7.632	mg/L	1.0	5	0	153	74	157			
Sample ID: LCSD-21685		*LCSD*				Batch ID:	**21685**	Analysis Date:	3/23/2010 3:15:31 PM		
Diesel Range Organics (DRO)	6.143	mg/L	1.0	5	0	123	74	157	21.6	23	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003408

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				**Batch ID: R37912**		**Analysis Date:**		3/24/2010 8:36:12 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				**Batch ID: R37912**		**Analysis Date:**		3/24/2010 6:17:10 PM	
Gasoline Range Organics (GRO)	0.5352	mg/L	0.050	0.5	0	107	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				**Batch ID: R37912**		**Analysis Date:**		3/24/2010 6:47:31 PM	
Gasoline Range Organics (GRO)	0.5388	mg/L	0.050	0.5	0	108	80	115	0.670	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003408

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1003408-01a msd		*MSD*				Batch ID: **R37844**		Analysis Date:	3/22/2010 12:14:00 PM		
Benzene	18.93	µg/L	1.0	20	0	94.6	75.7	118	2.16	15	
Toluene	21.76	µg/L	1.0	20	0	109	80.1	114	0.352	15	
Chlorobenzene	20.31	µg/L	1.0	20	0	102	81.5	112	0.773	15	
1,1-Dichloroethene	21.48	µg/L	1.0	20	0	107	77.4	132	2.64	17.8	
Trichloroethene (TCE)	18.61	µg/L	1.0	20	0	93.0	61.1	121	0.788	19.8	
Sample ID: b2		*MBLK*				Batch ID: **R37844**		Analysis Date:	3/19/2010 9:11:09 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003408

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*				Batch ID: **R37844**		Analysis Date:	3/19/2010 9:11:09 AM		
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,2,3-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: **R37844**		Analysis Date:	3/19/2010 10:36:05 AM		
Benzene	19.60	µg/L	1.0	20	0	98.0	76.7	114			
Toluene	22.10	µg/L	1.0	20	0	111	78.4	117			
Chlorobenzene	20.71	µg/L	1.0	20	0	104	80.7	127			
1,1-Dichloroethene	22.96	µg/L	1.0	20	0	115	80.2	128			
Trichloroethene (TCE)	18.82	µg/L	1.0	20	0	94.1	77.4	115			
Sample ID: 1003408-01a ms		*MS*				Batch ID: **R37844**		Analysis Date:	3/22/2010 11:45:42 AM		
Benzene	19.34	µg/L	1.0	20	0	96.7	75.7	118			
Toluene	21.84	µg/L	1.0	20	0	109	80.1	114			
Chlorobenzene	20.47	µg/L	1.0	20	0	102	81.5	112			
1,1-Dichloroethene	22.05	µg/L	1.0	20	0	110	77.4	132			
Trichloroethene (TCE)	18.46	µg/L	1.0	20	0	92.3	61.1	121			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003408

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21702		*MBLK*									
Batch ID: **21702** Analysis Date: 3/22/2010 3:44:51 PM											
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003408

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21702		*MBLK*				Batch ID: **21702**		Analysis Date:		3/22/2010 3:44:51 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pe[illegible]chlorophenol	ND	µg/L	20								
Ph[illegible]threne	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-21702		*LCS*				Batch ID: **21702**		Analysis Date:		3/22/2010 4:14:27 PM	
Acenaphthene	85.98	µg/L	10	100	0	86.0	33.2	88.1			
4-Chloro-3-methylphenol	204.6	µg/L	10	200	0	102	26.5	101			S
2-Chlorophenol	203.9	µg/L	10	200	0	102	27.5	88.7			S
1,4-Dichlorobenzene	85.74	µg/L	10	100	0	85.7	27.2	74.1			S
2,4-Dinitrotoluene	97.92	µg/L	10	100	0	97.9	32.6	107			
N-Nitrosodi-n-propylamine	101.9	µg/L	10	100	0	102	27.1	96.3			S
4-Nitrophenol	116.1	µg/L	10	200	0	58.0	6.78	74.7			
Pentachlorophenol	198.8	µg/L	20	200	3.76	97.5	14.8	113			
Phenol	123.5	µg/L	10	200	0	61.8	17	53.4			S
Pyrene	93.56	µg/L	10	100	0	93.6	27	96.3			
1,2,4-Trichlorobenzene	79.24	µg/L	10	100	0	79.2	30	77.9			S
Sample ID: lcsd-21702		*LCSD*				Batch ID: **21702**		Analysis Date:		3/22/2010 4:44:07 PM	
Acenaphthene	84.08	µg/L	10	100	0	84.1	33.2	88.1	2.23	30.5	
4-Chloro-3-methylphenol	193.7	µg/L	10	200	0	96.9	26.5	101	5.46	28.6	
2-Chlorophenol	174.6	µg/L	10	200	0	87.3	27.5	88.7	15.5	107	
1,4-Dichlorobenzene	69.76	µg/L	10	100	0	69.8	27.2	74.1	20.6	62.1	
2,4-Dinitrotoluene	95.38	µg/L	10	100	0	95.4	32.6	107	2.63	14.7	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003408

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-21702		*LCSD*				Batch ID:	**21702**	Analysis Date:		3/22/2010 4:44:07 PM	
N-Nitrosodi-n-propylamine	84.06	µg/L	10	100	0	84.1	27.1	96.3	19.2	30.3	
4-Nitrophenol	120.8	µg/L	10	200	0	60.4	6.76	74.7	3.97	36.3	
Pentachlorophenol	179.0	µg/L	20	200	3.76	87.6	14.8	113	10.5	49	
Phenol	106.7	µg/L	10	200	0	53.3	17	53.4	14.6	52.4	
Pyrene	83.60	µg/L	10	100	0	83.6	27	96.3	11.2	16.3	
1,2,4-Trichlorobenzene	72.20	µg/L	10	100	0	72.2	30	77.9	9.30	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-21707		*MBLK*				Batch ID:	**21707**	Analysis Date:		3/22/2010 2:45:26 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-21707		*LCS*				Batch ID:	**21707**	Analysis Date:		3/22/2010 2:47:11 PM	
Mercury	0.005217	mg/L	0.00020	0.005	2E-05	104	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003408

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual.
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MBLK		*MBLK*				Batch ID:	**R37871**	Analysis Date:	3/22/2010 12:17:47 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	**R37871**	Analysis Date:	3/22/2010 12:20:33 PM		
Arsenic	0.4759	mg/L	0.020	0.5	0	95.2	80	120			
Barium	0.4601	mg/L	0.020	0.5	0	92.0	80	120			
Cadmium	0.4742	mg/L	0.0020	0.5	0	94.8	80	120			
Calcium	48.08	mg/L	1.0	50.5	0	95.2	80	120			
Chromium	0.4674	mg/L	0.0060	0.5	0	93.5	80	120			
Copper	0.4937	mg/L	0.0060	0.5	0	98.7	80	120			
Iron	0.4712	mg/L	0.020	0.5	0	94.2	80	120			
Lead	0.4733	mg/L	0.0050	0.5	0	94.7	80	120			
Magnesium	48.32	mg/L	1.0	50.5	0	95.7	80	120			
Manganese	0.4618	mg/L	0.0020	0.5	0	92.4	80	120			
Potassium	51.31	mg/L	1.0	55	0	93.3	80	120			
Selenium	0.4608	mg/L	0.050	0.5	0	92.2	80	120			
Silver	0.4778	mg/L	0.0050	0.5	0	95.6	80	120			
Sodium	47.37	mg/L	1.0	50.5	0	93.8	80	120			
Zinc	0.4631	mg/L	0.050	0.5	0	92.6	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003408

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-21728		*MBLK*				Batch ID:	**21728**	Analysis Date:	3/24/2010 11:30:15 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-21728		*LCS*				Batch ID:	**21728**	Analysis Date:	3/24/2010 11:33:05 AM		
Arsenic	0.5089	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4950	mg/L	0.020	0.5	0	99.0	80	120			
Cadmium	0.5045	mg/L	0.0020	0.5	0	101	80	120			
Chromium	0.5052	mg/L	0.0060	0.5	0.0018	101	80	120			
Copper	0.5502	mg/L	0.0060	0.5	0	110	80	120			
Iron	0.5061	mg/L	0.050	0.5	0.0309	95.1	80	120			
Lead	0.4975	mg/L	0.0050	0.5	0	99.5	80	120			
Manganese	0.4987	mg/L	0.0020	0.5	0	99.7	80	120			
Selenium	0.4965	mg/L	0.050	0.5	0	99.3	80	120			
Silver	0.5044	mg/L	0.0050	0.5	0	101	80	120			
Zinc	0.4925	mg/L	0.020	0.5	0	98.5	80	120			
Sample ID: LCS-21728		*LCS*				Batch ID:	**21728**	Analysis Date:	3/24/2010 11:36:04 AM		
Arsenic	0.5077	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4939	mg/L	0.020	0.5	0	98.8	80	120			
Cadmium	0.5015	mg/L	0.0020	0.5	0	100	80	120			
Chromium	0.5013	mg/L	0.0060	0.5	0.0018	99.9	80	120			
Copper	0.5510	mg/L	0.0060	0.5	0	110	80	120			
Iron	0.5101	mg/L	0.050	0.5	0.0309	95.8	80	120			
Lead	0.4984	mg/L	0.0050	0.5	0	99.7	80	120			
Manganese	0.4975	mg/L	0.0020	0.5	0	99.5	80	120			
Selenium	0.4973	mg/L	0.050	0.5	0	99.5	80	120			
Silver	0.5022	mg/L	0.0050	0.5	0	100	80	120			
Zinc	0.4915	mg/L	0.020	0.5	0	98.3	80	120			

Qualifiers:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/17/2010**

Work Order Number **1003408** Received by: **ARS**

Checklist completed by: _____ 3/17/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	5.3°	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 5

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: 1st QTR 2010

Project #: OW-50

Project Manager: G Rajen C. Johnson

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 5.3

HEAL No. 1003903

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	
3/16/10	1049	H2O	OW-50	40ml (3)	HCl	
				40ml (3)	HCl	
				1L Amber	None	
				500ml (2)	HNO3	
				150ml (2)	HNO3	
				250ml (1)	None	
				500ml (1)	HNO3	
				125ml (1)	H2SO4	
			Trip Blank	40ml (1)		2

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	W Dis Metals Total	W Diss Metals Diss.	Gen Chem		Air Bubbles (Y or N)
									X						
		X													
										X					
											X				
												X			
													X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/16/10	1245			3/17/10	8:55
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: GenChem: Cations, Anions, pH Conductivity

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

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.

OW-52

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, March 25, 2010

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

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

RE: 1st Qtr 2010

Order No.: 1003409

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 3/17/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

GW-WQ

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1003409	**Collection Date:**	3/16/2010 12:14:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003409-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/22/2010 6:44:59 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/22/2010 6:44:59 AM
Surr: DNOP	123	58-140		%REC	1	3/22/2010 6:44:59 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/25/2010 12:51:35 AM
Surr: BFB	94.3	55.2-107		%REC	1	3/25/2010 12:51:35 AM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	0.56	0.10		mg/L	1	3/18/2010 1:46:24 AM
Chloride	31	10		mg/L	20	3/18/2010 2:03:48 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	3/18/2010 1:46:24 AM
Bromide	0.18	0.10		mg/L	1	3/18/2010 1:46:24 AM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	3/18/2010 1:46:24 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	3/18/2010 1:46:24 AM
Sulfate	150	10		mg/L	20	3/18/2010 2:03:48 AM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.00020		mg/L	1	3/22/2010 3:01:23 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	3/22/2010 1:40:14 PM
Barium	0.023	0.020		mg/L	1	3/22/2010 1:40:14 PM
Cadmium	ND	0.0020		mg/L	1	3/22/2010 1:40:14 PM
Calcium	3.9	1.0		mg/L	1	3/22/2010 1:40:14 PM
Chromium	ND	0.0060		mg/L	1	3/22/2010 1:40:14 PM
Copper	ND	0.0060		mg/L	1	3/22/2010 1:40:14 PM
Iron	0.034	0.020		mg/L	1	3/22/2010 1:40:14 PM
Lead	ND	0.0050		mg/L	1	3/22/2010 1:40:14 PM
Magnesium	ND	1.0		mg/L	1	3/22/2010 1:40:14 PM
Manganese	0.028	0.0020		mg/L	1	3/22/2010 1:40:14 PM
Potassium	1.1	1.0		mg/L	1	3/22/2010 1:40:14 PM
Selenium	ND	0.050		mg/L	1	3/22/2010 1:40:14 PM
Silver	ND	0.0050		mg/L	1	3/22/2010 1:40:14 PM
Sodium	230	5.0		mg/L	5	3/22/2010 3:22:48 PM
Zinc	ND	0.050		mg/L	1	3/22/2010 1:40:14 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	3/24/2010 12:38:53 PM
Barium	0.027	0.020		mg/L	1	3/24/2010 12:38:53 PM
Cadmium	ND	0.0020		mg/L	1	3/24/2010 12:38:53 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1003409	**Collection Date:**	3/16/2010 12:14:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003409-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Chromium	ND	0.0060		mg/L	1	3/24/2010 12:38:53 PM
Copper	ND	0.0060		mg/L	1	3/24/2010 12:38:53 PM
Iron	0.15	0.050		mg/L	1	3/24/2010 12:38:53 PM
Lead	ND	0.0050		mg/L	1	3/24/2010 12:38:53 PM
Manganese	0.032	0.0020		mg/L	1	3/24/2010 12:38:53 PM
Selenium	ND	0.050		mg/L	1	3/24/2010 12:38:53 PM
Silver	ND	0.0050		mg/L	1	3/24/2010 12:38:53 PM
Zinc	ND	0.020		mg/L	1	3/24/2010 12:38:53 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Acenaphthylene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Aniline	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Anthracene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Azobenzene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Benz(a)anthracene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Benzoic acid	ND	20		µg/L	1	3/22/2010 7:41:47 PM
Benzyl alcohol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/22/2010 7:41:47 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Butyl benzyl phthalate	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Carbazole	ND	10		µg/L	1	3/22/2010 7:41:47 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
4-Chloroaniline	ND	10		µg/L	1	3/22/2010 7:41:47 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
2-Chlorophenol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Chrysene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Di-n-butyl phthalate	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Dibenzofuran	ND	10		µg/L	1	3/22/2010 7:41:47 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/22/2010 7:41:47 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1003409	**Collection Date:**	3/16/2010 12:14:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003409-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
1,4-Dichlorobenzene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Diethyl phthalate	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Dimethyl phthalate	ND	10		µg/L	1	3/22/2010 7:41:47 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/22/2010 7:41:47 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/22/2010 7:41:47 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/22/2010 7:41:47 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Fluoranthene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Fluorene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Hexachlorobenzene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Hexachloroethane	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Isophorone	ND	10		µg/L	1	3/22/2010 7:41:47 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
2-Methylphenol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
3+4-Methylphenol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/22/2010 7:41:47 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/22/2010 7:41:47 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Naphthalene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
2-Nitroaniline	ND	10		µg/L	1	3/22/2010 7:41:47 PM
3-Nitroaniline	ND	10		µg/L	1	3/22/2010 7:41:47 PM
4-Nitroaniline	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Nitrobenzene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
2-Nitrophenol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
4-Nitrophenol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Pentachlorophenol	ND	20		µg/L	1	3/22/2010 7:41:47 PM
Phenanthrene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Phenol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Pyrene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Pyridine	ND	10		µg/L	1	3/22/2010 7:41:47 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/22/2010 7:41:47 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/22/2010 7:41:47 PM
Surr: 2,4,6-Tribromophenol	96.5	16.6-150		%REC	1	3/22/2010 7:41:47 PM
Surr: 2-Fluorobiphenyl	84.5	19.6-134		%REC	1	3/22/2010 7:41:47 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1003409	**Collection Date:**	3/16/2010 12:14:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003409-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Surr: 2-Fluorophenol	53.8	9.54-113		%REC	1	3/22/2010 7:41:47 PM
Surr: 4-Terphenyl-d14	76.3	22.7-145		%REC	1	3/22/2010 7:41:47 PM
Surr: Nitrobenzene-d5	83.7	14.6-134		%REC	1	3/22/2010 7:41:47 PM
Surr: Phenol-d5	41.7	10.7-80.3		%REC	1	3/22/2010 7:41:47 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Toluene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Ethylbenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Naphthalene	ND	2.0		µg/L	1	3/19/2010 11:16:52 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 11:16:52 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/19/2010 11:16:52 PM
Acetone	ND	10		µg/L	1	3/19/2010 11:16:52 PM
Bromobenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Bromoform	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Bromomethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
2-Butanone	ND	10		µg/L	1	3/19/2010 11:16:52 PM
Carbon disulfide	ND	10		µg/L	1	3/19/2010 11:16:52 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Chlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Chloroethane	ND	2.0		µg/L	1	3/19/2010 11:16:52 PM
Chloroform	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Chloromethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/19/2010 11:16:52 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Dibromomethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM

Qualifiers:

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

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Date: *25-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1003409	**Collection Date:**	3/16/2010 12:14:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/17/2010
Lab ID:	1003409-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
1,1-Dichloroethene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/19/2010 11:16:52 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
2-Hexanone	ND	10		µg/L	1	3/19/2010 11:16:52 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/19/2010 11:16:52 PM
Methylene Chloride	ND	3.0		µg/L	1	3/19/2010 11:16:52 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Styrene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/19/2010 11:16:52 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/19/2010 11:16:52 PM
Vinyl chloride	ND	1.0		µg/L	1	3/19/2010 11:16:52 PM
Xylenes, Total	ND	1.5		µg/L	1	3/19/2010 11:16:52 PM
Surr: 1,2-Dichloroethane-d4	97.2	54.6-141		%REC	1	3/19/2010 11:16:52 PM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	1	3/19/2010 11:16:52 PM
Surr: Dibromofluoromethane	90.7	78.5-130		%REC	1	3/19/2010 11:16:52 PM
Surr: Toluene-d8	109	79.5-126		%REC	1	3/19/2010 11:16:52 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	990	0.010		µmhos/cm	1	3/18/2010 3:30:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.23	0.1		pH units	1	3/18/2010 3:30:00 PM

Qualifiers:

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

Anatek Labs, Inc.

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100319019
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003409
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100319019-001	**Sampling Date**	3/16/2010	**Date/Time Received**	3/19/2010 10:20 AM
Client Sample ID	1003409-01D / OW-52	**Sampling Time**	12:14 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.0103	mg/L	0.001	3/24/2010	JTT	EPA 6020A	

Sample Number	100319019-002	**Sampling Date**	3/16/2010	**Date/Time Received**	3/19/2010 10:20 AM
Client Sample ID	1003409-01F / OW-52	**Sampling Time**	12:14 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00926	mg/L	0.001	3/24/2010	JTT	EPA 6020A	

Authorized Signature

John Coddington, Lab Manager

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

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

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003409

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R37827**	Analysis Date:	3/17/2010 10:21:14 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R37827**	Analysis Date:	3/18/2010 2:21:12 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R37827**	Analysis Date:	3/17/2010 10:38:39 AM		
Fluoride	0.5410	mg/L	0.10	0.5	0	108	90	110			
Chloride	4.952	mg/L	0.50	5	0	99.0	90	110			
Nitrogen, Nitrite (As N)	1.000	mg/L	0.10	1	0	100	90	110			
Bromide	2.516	mg/L	0.10	2.5	0	101	90	110			
Nitrogen, Nitrate (As N)	2.542	mg/L	0.10	2.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.054	mg/L	0.50	5	0	101	90	110			
Sulfate	10.21	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37827**	Analysis Date:	3/18/2010 2:38:37 AM		
Chloride	5.158	mg/L	0.50	5	0	103	90	110			
Nitrogen, Nitrite (As N)	1.047	mg/L	0.10	1	0	105	90	110			
Bromide	2.606	mg/L	0.10	2.5	0	104	90	110			
Nitrogen, Nitrate (As N)	2.650	mg/L	0.10	2.5	0	106	90	110			
Phosphorus, Orthophosphate (As P)	5.304	mg/L	0.50	5	0	106	90	110			
Sulfate	10.68	mg/L	0.50	10	0	107	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21685		*MBLK*				Batch ID:	**21685**	Analysis Date:	3/21/2010 8:36:20 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21685		*LCS*				Batch ID:	**21685**	Analysis Date:	3/21/2010 9:12:34 PM		
Diesel Range Organics (DRO)	7.632	mg/L	1.0	5	0	153	74	157			
Sample ID: LCSD-21685		*LCSD*				Batch ID:	**21685**	Analysis Date:	3/23/2010 3:15:31 PM		
Diesel Range Organics (DRO)	6.143	mg/L	1.0	5	0	123	74	157	21.6	23	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003409

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37912**	Analysis Date:		3/24/2010 8:36:12 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37912**	Analysis Date:		3/24/2010 6:17:10 PM	
Gasoline Range Organics (GRO)	0.5352	mg/L	0.050	0.5	0	107	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R37912**	Analysis Date:		3/24/2010 6:47:31 PM	
Gasoline Range Organics (GRO)	0.5388	mg/L	0.050	0.5	0	108	80	115	0.670	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003409

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*					Batch ID: **R37844**		Analysis Date:	3/19/2010 9:11:09 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003409

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*				Batch ID: **R37844**		Analysis Date:	3/19/2010 9:11:09 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID: **R37844**		Analysis Date:	3/19/2010 10:36:05 AM		
Benzene	19.60	µg/L	1.0	20	0	98.0	76.7	114			
Toluene	22.10	µg/L	1.0	20	0	111	78.4	117			
Chlorobenzene	20.71	µg/L	1.0	20	0	104	80.7	127			
1,1-Dichloroethene	22.96	µg/L	1.0	20	0	115	80.2	128			
Trichloroethene (TCE)	18.82	µg/L	1.0	20	0	94.1	77.4	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003409

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21702		*MBLK*				Batch ID: **21702**		Analysis Date:	3/22/2010 3:44:51 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003409

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21702		*MBLK*				**Batch ID: 21702**		**Analysis Date:**		**3/22/2010 3:44:51 PM**	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	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-21702		*LCS*				**Batch ID: 21702**		**Analysis Date:**		**3/22/2010 4:14:27 PM**	
Acenaphthene	85.98	µg/L	10	100	0	86.0	33.2	88.1			
4-Chloro-3-methylphenol	204.6	µg/L	10	200	0	102	26.5	101			S
2-Chlorophenol	203.9	µg/L	10	200	0	102	27.5	88.7			S
1,4-Dichlorobenzene	85.74	µg/L	10	100	0	85.7	27.2	74.1			S
2,4-Dinitrotoluene	97.92	µg/L	10	100	0	97.9	32.6	107			
N-Nitrosodi-n-propylamine	101.9	µg/L	10	100	0	102	27.1	96.3			S
4-Nitrophenol	116.1	µg/L	10	200	0	58.0	6.78	74.7			
Pentachlorophenol	198.8	µg/L	20	200	3.76	97.5	14.8	113			
Phenol	123.5	µg/L	10	200	0	61.8	17	53.4			S
Pyrene	93.56	µg/L	10	100	0	93.6	27	96.3			
1,2,4-Trichlorobenzene	79.24	µg/L	10	100	0	79.2	30	77.9			S
Sample ID: lcsd-21702		*LCSD*				**Batch ID: 21702**		**Analysis Date:**		**3/22/2010 4:44:07 PM**	
Acenaphthene	84.08	µg/L	10	100	0	84.1	33.2	88.1	2.23	30.5	
4-Chloro-3-methylphenol	193.7	µg/L	10	200	0	96.9	26.5	101	5.46	28.6	
2-Chlorophenol	174.6	µg/L	10	200	0	87.3	27.5	88.7	15.5	107	
1,4-Dichlorobenzene	69.76	µg/L	10	100	0	69.8	27.2	74.1	20.6	62.1	
2,4-Dinitrotoluene	95.38	µg/L	10	100	0	95.4	32.6	107	2.63	14.7	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003409

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-21702		*LCSD*				Batch ID:	**21702**	Analysis Date:		3/22/2010 4:44:07 PM	
N-Nitrosodi-n-propylamine	84.06	µg/L	10	100	0	84.1	27.1	96.3	19.2	30.3	
4-Nitrophenol	120.8	µg/L	10	200	0	60.4	6.78	74.7	3.97	36.3	
Pentachlorophenol	179.0	µg/L	20	200	3.76	87.6	14.8	113	10.5	49	
Phenol	106.7	µg/L	10	200	0	53.3	17	53.4	14.6	52.4	
Pyrene	83.60	µg/L	10	100	0	83.6	27	96.3	11.2	16.3	
1,2,4-Trichlorobenzene	72.20	µg/L	10	100	0	72.2	30	77.9	9.30	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-21707		*MBLK*				Batch ID:	**21707**	Analysis Date:		3/22/2010 2:45:26 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-21707		*LCS*				Batch ID:	**21707**	Analysis Date:		3/22/2010 2:47:11 PM	
Mercury	0.005217	mg/L	0.00020	0.005	2E-05	104	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003409

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MBLK		*MBLK*				Batch ID: **R37871**		Analysis Date: 3/22/2010 12:17:47 PM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID: **R37871**		Analysis Date: 3/22/2010 12:20:33 PM			
Arsenic	0.4759	mg/L	0.020	0.5	0	95.2	80	120			
Barium	0.4601	mg/L	0.020	0.5	0	92.0	80	120			
Cadmium	0.4742	mg/L	0.0020	0.5	0	94.8	80	120			
Calcium	48.08	mg/L	1.0	50.5	0	95.2	80	120			
Chromium	0.4674	mg/L	0.0060	0.5	0	93.5	80	120			
Copper	0.4937	mg/L	0.0060	0.5	0	98.7	80	120			
Iron	0.4712	mg/L	0.020	0.5	0	94.2	80	120			
Lead	0.4733	mg/L	0.0050	0.5	0	94.7	80	120			
Magnesium	48.32	mg/L	1.0	50.5	0	95.7	80	120			
Manganese	0.4618	mg/L	0.0020	0.5	0	92.4	80	120			
Potassium	51.31	mg/L	1.0	55	0	93.3	80	120			
Selenium	0.4608	mg/L	0.050	0.5	0	92.2	80	120			
Silver	0.4778	mg/L	0.0050	0.5	0	95.6	80	120			
Sodium	47.37	mg/L	1.0	50.5	0	93.8	80	120			
Zinc	0.4631	mg/L	0.050	0.5	0	92.6	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003409

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-21728		*MBLK*				Batch ID:	**21728**	Analysis Date:	3/24/2010 11:30:15 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-21728		*LCS*				Batch ID:	**21728**	Analysis Date:	3/24/2010 11:33:05 AM		
Arsenic	0.5089	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4950	mg/L	0.020	0.5	0	99.0	80	120			
Cadmium	0.5045	mg/L	0.0020	0.5	0	101	80	120			
Chromium	0.5052	mg/L	0.0060	0.5	0.0018	101	80	120			
Copper	0.5502	mg/L	0.0060	0.5	0	110	80	120			
Iron	0.5061	mg/L	0.050	0.5	0.0309	95.1	80	120			
Lead	0.4975	mg/L	0.0050	0.5	0	99.5	80	120			
Manganese	0.4987	mg/L	0.0020	0.5	0	99.7	80	120			
Selenium	0.4965	mg/L	0.050	0.5	0	99.3	80	120			
Silver	0.5044	mg/L	0.0050	0.5	0	101	80	120			
Zinc	0.4925	mg/L	0.020	0.5	0	98.5	80	120			
Sample ID: LCS-21728		*LCS*				Batch ID:	**21728**	Analysis Date:	3/24/2010 11:36:04 AM		
Arsenic	0.5077	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4939	mg/L	0.020	0.5	0	98.8	80	120			
Cadmium	0.5015	mg/L	0.0020	0.5	0	100	80	120			
Chromium	0.5013	mg/L	0.0060	0.5	0.0018	99.9	80	120			
Copper	0.5510	mg/L	0.0060	0.5	0	110	80	120			
Iron	0.5101	mg/L	0.050	0.5	0.0309	95.8	80	120			
Lead	0.4984	mg/L	0.0050	0.5	0	99.7	80	120			
Manganese	0.4975	mg/L	0.0020	0.5	0	99.5	80	120			
Selenium	0.4973	mg/L	0.050	0.5	0	99.5	80	120			
Silver	0.5022	mg/L	0.0050	0.5	0	100	80	120			
Zinc	0.4915	mg/L	0.020	0.5	0	98.3	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/17/2010**

Work Order Number **1003409** Received by: **ARS**

Checklist completed by: _____ 3/17/10 Sample ID labels checked by: _____

Signature Date Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**5.3°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 5

(<2 >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

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

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 1st QTR 2010
Project #: OW #52
Project Manager: G. Rajen
Sampler: C Johnson
On Ice: ☒ Y ☐ N
Sample Temperature: 5.3

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1003409
3/16/10	1214	H2O	OW-52	40ml (3)	HCl	1
				40ml (3)	HCl	1
				1L Amber	None	1
				500ml (2)	HNO3	1
				150ml (2)	HNO3	1
				250ml (1)	None	1
				500ml (1)	HNO3	1
				125ml (1)	H2SO4	1

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC Metals Total	WQCC Metals Diss.	GenChem		Air Bubbles (Y or N)
		X													
									X						
										X					
											X				
												X			
													X		
													X		
													X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/16/10	1245				
Date:	Time:	Relinquished by:	Received by:	3/17/10	8:55

Remarks: GenChem: Cations/Anions, pH, Conductivity

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

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

OW 50,52

COVER LETTER

Friday, June 18, 2010

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

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

RE: 2nd Qtr 2010 OW Wells

Order No.: 1006175

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 6/4/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

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

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	*1006175*	**Collection Date:**	6/1/2010 10:20:00 AM
Project:	2nd Qtr 2010 OW Wells	**Date Received:**	6/4/2010
Lab ID:	1006175-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/7/2010 12:48:29 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/7/2010 12:48:29 PM
Surr: DNOP	122	86.9-151		%REC	1	6/7/2010 12:48:29 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/10/2010 11:31:44 AM
Surr: BFB	94.6	55.2-107		%REC	1	6/10/2010 11:31:44 AM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	0.53	0.10		mg/L	1	6/8/2010 2:50:02 PM
Chloride	27	10		mg/L	20	6/8/2010 12:48:11 PM
Bromide	0.22	0.10		mg/L	1	6/8/2010 2:50:02 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	6/9/2010 1:23:23 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	6/8/2010 2:50:02 PM
Sulfate	140	10		mg/L	20	6/8/2010 12:48:11 PM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	6/8/2010 4:08:21 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 6:16:36 PM
Barium	0.040	0.020		mg/L	1	6/15/2010 6:16:36 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 6:16:36 PM
Calcium	20	1.0		mg/L	1	6/17/2010 11:13:05 AM
Chromium	ND	0.0060		mg/L	1	6/15/2010 6:16:36 PM
Copper	ND	0.0060		mg/L	1	6/15/2010 6:16:36 PM
Iron	ND	0.020		mg/L	1	6/17/2010 11:13:05 AM
Lead	ND	0.0050		mg/L	1	6/15/2010 6:16:36 PM
Magnesium	3.4	1.0		mg/L	1	6/17/2010 11:13:05 AM
Manganese	0.083	0.0020		mg/L	1	6/15/2010 6:16:36 PM
Potassium	ND	1.0		mg/L	1	6/17/2010 11:13:05 AM
Selenium	ND	0.050		mg/L	1	6/15/2010 6:16:36 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 6:16:36 PM
Sodium	220	5.0		mg/L	5	6/17/2010 11:25:55 AM
Zinc	ND	0.050		mg/L	1	6/15/2010 6:16:36 PM
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/10/2010 11:33:31 AM
Barium	0.042	0.020		mg/L	1	6/10/2010 11:33:31 AM
Cadmium	ND	0.0020		mg/L	1	6/10/2010 11:33:31 AM
Chromium	ND	0.0060		mg/L	1	6/10/2010 11:33:31 AM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1006175	**Collection Date:**	6/1/2010 10:20:00 AM
Project:	2nd Qtr 2010 OW Wells	**Date Received:**	6/4/2010
Lab ID:	1006175-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Lead	ND	0.0050		mg/L	1	6/10/2010 11:33:31 AM
Selenium	ND	0.050		mg/L	1	6/10/2010 11:33:31 AM
Silver	ND	0.0050		mg/L	1	6/10/2010 11:33:31 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Acenaphthylene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Aniline	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Anthracene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Azobenzene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Benz(a)anthracene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Benzo(a)pyrene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Benzoic acid	ND	20		µg/L	1	6/8/2010 5:29:57 PM
Benzyl alcohol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	6/8/2010 5:29:57 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Butyl benzyl phthalate	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Carbazole	ND	10		µg/L	1	6/8/2010 5:29:57 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
4-Chloroaniline	ND	10		µg/L	1	6/8/2010 5:29:57 PM
2-Chloronaphthalene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
2-Chlorophenol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Chrysene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Di-n-butyl phthalate	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Di-n-octyl phthalate	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Dibenzofuran	ND	10		µg/L	1	6/8/2010 5:29:57 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Diethyl phthalate	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Dimethyl phthalate	ND	10		µg/L	1	6/8/2010 5:29:57 PM
2,4-Dichlorophenol	ND	20		µg/L	1	6/8/2010 5:29:57 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1006175	**Collection Date:**	6/1/2010 10:20:00 AM
Project:	2nd Qtr 2010 OW Wells	**Date Received:**	6/4/2010
Lab ID:	1006175-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
2,4-Dimethylphenol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	6/8/2010 5:29:57 PM
2,4-Dinitrophenol	ND	20		µg/L	1	6/8/2010 5:29:57 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Fluoranthene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Fluorene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Hexachlorobenzene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Hexachlorobutadiene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Hexachloroethane	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Isophorone	ND	10		µg/L	1	6/8/2010 5:29:57 PM
2-Methylnaphthalene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
2-Methylphenol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
3+4-Methylphenol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	6/8/2010 5:29:57 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	6/8/2010 5:29:57 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Naphthalene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
2-Nitroaniline	ND	10		µg/L	1	6/8/2010 5:29:57 PM
3-Nitroaniline	ND	10		µg/L	1	6/8/2010 5:29:57 PM
4-Nitroaniline	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Nitrobenzene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
2-Nitrophenol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
4-Nitrophenol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Pentachlorophenol	ND	20		µg/L	1	6/8/2010 5:29:57 PM
Phenanthrene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Phenol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Pyrene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Pyridine	ND	10		µg/L	1	6/8/2010 5:29:57 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	6/8/2010 5:29:57 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	6/8/2010 5:29:57 PM
Surr: 2,4,6-Tribromophenol	54.2	16.6-150		%REC	1	6/8/2010 5:29:57 PM
Surr: 2-Fluorobiphenyl	51.9	19.6-134		%REC	1	6/8/2010 5:29:57 PM
Surr: 2-Fluorophenol	34.1	9.54-113		%REC	1	6/8/2010 5:29:57 PM
Surr: 4-Terphenyl-d14	35.0	22.7-145		%REC	1	6/8/2010 5:29:57 PM
Surr: Nitrobenzene-d5	51.8	14.6-134		%REC	1	6/8/2010 5:29:57 PM
Surr: Phenol-d5	27.2	10.7-80.3		%REC	1	6/8/2010 5:29:57 PM

Qualifiers:

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1006175	**Collection Date:**	6/1/2010 10:20:00 AM
Project:	2nd Qtr 2010 OW Wells	**Date Received:**	6/4/2010
Lab ID:	1006175-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Toluene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Ethylbenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Naphthalene	ND	2.0		µg/L	1	6/9/2010 6:38:00 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/9/2010 6:38:00 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/9/2010 6:38:00 AM
Acetone	ND	10		µg/L	1	6/9/2010 6:38:00 AM
Bromobenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Bromoform	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Bromomethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
2-Butanone	ND	10		µg/L	1	6/9/2010 6:38:00 AM
Carbon disulfide	ND	10		µg/L	1	6/9/2010 6:38:00 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Chlorobenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Chloroethane	ND	2.0		µg/L	1	6/9/2010 6:38:00 AM
Chloroform	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Chloromethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/9/2010 6:38:00 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Dibromomethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/9/2010 6:38:00 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1006175	**Collection Date:**	6/1/2010 10:20:00 AM
Project:	2nd Qtr 2010 OW Wells	**Date Received:**	6/4/2010
Lab ID:	1006175-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	6/9/2010 6:38:00 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/9/2010 6:38:00 AM
Methylene Chloride	ND	3.0		µg/L	1	6/9/2010 6:38:00 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Styrene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/9/2010 6:38:00 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/9/2010 6:38:00 AM
Vinyl chloride	ND	1.0		µg/L	1	6/9/2010 6:38:00 AM
Xylenes, Total	ND	1.5		µg/L	1	6/9/2010 6:38:00 AM
Surr: 1,2-Dichloroethane-d4	85.3	54.6-141		%REC	1	6/9/2010 6:38:00 AM
Surr: 4-Bromofluorobenzene	102	60.1-133		%REC	1	6/9/2010 6:38:00 AM
Surr: Dibromofluoromethane	94.5	78.5-130		%REC	1	6/9/2010 6:38:00 AM
Surr: Toluene-d8	100	79.5-126		%REC	1	6/9/2010 6:38:00 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1000	0.010		µmhos/cm	1	6/4/2010 4:22:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.35	0.1		pH units	1	6/4/2010 4:22:00 PM

Qualifiers:

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

all Environmental Analysis Laboratory, Inc.

Date: *18-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1006175	**Collection Date:**	6/1/2010 11:58:00 AM
Project:	2nd Qtr 2010 OW Wells	**Date Received:**	6/4/2010
Lab ID:	1006175-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/7/2010 1:22:19 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/7/2010 1:22:19 PM
Surr: DNOP	116	86.9-151		%REC	1	6/7/2010 1:22:19 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/10/2010 12:29:36 PM
Surr: BFB	93.6	55.2-107		%REC	1	6/10/2010 12:29:36 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	0.52	0.10		mg/L	1	6/8/2010 4:17:04 PM
Chloride	28	10		mg/L	20	6/8/2010 1:05:36 PM
Bromide	0.15	0.10		mg/L	1	6/8/2010 4:17:04 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	6/9/2010 1:40:48 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	6/8/2010 4:17:04 PM
Sulfate	140	10		mg/L	20	6/8/2010 1:05:36 PM
A METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	6/8/2010 4:10:08 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 6:23:51 PM
Barium	0.026	0.020		mg/L	1	6/15/2010 6:23:51 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 6:23:51 PM
Calcium	4.0	1.0		mg/L	1	6/17/2010 11:31:25 AM
Chromium	ND	0.0060		mg/L	1	6/15/2010 6:23:51 PM
Copper	ND	0.0060		mg/L	1	6/15/2010 6:23:51 PM
Iron	0.058	0.020		mg/L	1	6/17/2010 11:31:25 AM
Lead	ND	0.0050		mg/L	1	6/15/2010 6:23:51 PM
Magnesium	ND	1.0		mg/L	1	6/17/2010 11:31:25 AM
Manganese	0.032	0.0020		mg/L	1	6/15/2010 6:23:51 PM
Potassium	1.2	1.0		mg/L	1	6/17/2010 11:31:25 AM
Selenium	ND	0.050		mg/L	1	6/15/2010 6:23:51 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 6:23:51 PM
Sodium	230	5.0		mg/L	5	6/17/2010 11:35:32 AM
Zinc	ND	0.050		mg/L	1	6/15/2010 6:23:51 PM
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/10/2010 11:43:32 AM
Barium	0.024	0.020		mg/L	1	6/10/2010 11:43:32 AM
Cadmium	ND	0.0020		mg/L	1	6/10/2010 11:43:32 AM
Chromium	ND	0.0060		mg/L	1	6/10/2010 11:43:32 AM

ualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1006175	**Collection Date:**	6/1/2010 11:58:00 AM
Project:	2nd Qtr 2010 OW Wells	**Date Received:**	6/4/2010
Lab ID:	1006175-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Lead	ND	0.0050		mg/L	1	6/10/2010 11:43:32 AM
Selenium	ND	0.050		mg/L	1	6/10/2010 11:43:32 AM
Silver	ND	0.0050		mg/L	1	6/10/2010 11:43:32 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Acenaphthylene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Aniline	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Anthracene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Azobenzene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Benz(a)anthracene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Benzo(a)pyrene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Benzoic acid	ND	20		µg/L	1	6/8/2010 6:00:22 PM
Benzyl alcohol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	6/8/2010 6:00:22 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Butyl benzyl phthalate	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Carbazole	ND	10		µg/L	1	6/8/2010 6:00:22 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
4-Chloroaniline	ND	10		µg/L	1	6/8/2010 6:00:22 PM
2-Chloronaphthalene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
2-Chlorophenol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Chrysene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Di-n-butyl phthalate	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Di-n-octyl phthalate	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Dibenzofuran	ND	10		µg/L	1	6/8/2010 6:00:22 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Diethyl phthalate	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Dimethyl phthalate	ND	10		µg/L	1	6/8/2010 6:00:22 PM
2,4-Dichlorophenol	ND	20		µg/L	1	6/8/2010 6:00:22 PM

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

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1006175	**Collection Date:**	6/1/2010 11:58:00 AM
Project:	2nd Qtr 2010 OW Wells	**Date Received:**	6/4/2010
Lab ID:	1006175-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
2,4-Dimethylphenol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	6/8/2010 6:00:22 PM
2,4-Dinitrophenol	ND	20		µg/L	1	6/8/2010 6:00:22 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Fluoranthene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Fluorene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Hexachlorobenzene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Hexachlorobutadiene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Hexachloroethane	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Isophorone	ND	10		µg/L	1	6/8/2010 6:00:22 PM
2-Methylnaphthalene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
2-Methylphenol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
3+4-Methylphenol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
[redacted]Nitrosodi-n-propylamine	ND	10		µg/L	1	6/8/2010 6:00:22 PM
[redacted]-Nitrosodimethylamine	ND	10		µg/L	1	6/8/2010 6:00:22 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Naphthalene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
2-Nitroaniline	ND	10		µg/L	1	6/8/2010 6:00:22 PM
3-Nitroaniline	ND	10		µg/L	1	6/8/2010 6:00:22 PM
4-Nitroaniline	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Nitrobenzene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
2-Nitrophenol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
4-Nitrophenol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Pentachlorophenol	ND	20		µg/L	1	6/8/2010 6:00:22 PM
Phenanthrene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Phenol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Pyrene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Pyridine	ND	10		µg/L	1	6/8/2010 6:00:22 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	6/8/2010 6:00:22 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	6/8/2010 6:00:22 PM
Surr: 2,4,6-Tribromophenol	45.5	16.6-150		%REC	1	6/8/2010 6:00:22 PM
Surr: 2-Fluorobiphenyl	36.6	19.6-134		%REC	1	6/8/2010 6:00:22 PM
Surr: 2-Fluorophenol	26.2	9.54-113		%REC	1	6/8/2010 6:00:22 PM
Surr: 4-Terphenyl-d14	31.5	22.7-145		%REC	1	6/8/2010 6:00:22 PM
Surr: Nitrobenzene-d5	37.4	14.6-134		%REC	1	6/8/2010 6:00:22 PM
Surr: Phenol-d5	19.7	10.7-80.3		%REC	1	6/8/2010 6:00:22 PM

[redacted]ualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1006175	**Collection Date:**	6/1/2010 11:58:00 AM
Project:	2nd Qtr 2010 OW Wells	**Date Received:**	6/4/2010
Lab ID:	1006175-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Toluene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Ethylbenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Naphthalene	ND	2.0		µg/L	1	6/9/2010 9:12:01 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/9/2010 9:12:01 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/9/2010 9:12:01 AM
Acetone	ND	10		µg/L	1	6/9/2010 9:12:01 AM
Bromobenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Bromoform	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Bromomethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
2-Butanone	ND	10		µg/L	1	6/9/2010 9:12:01 AM
Carbon disulfide	ND	10		µg/L	1	6/9/2010 9:12:01 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Chlorobenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Chloroethane	ND	2.0		µg/L	1	6/9/2010 9:12:01 AM
Chloroform	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Chloromethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/9/2010 9:12:01 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Dibromomethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/9/2010 9:12:01 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM

Qualifiers:

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

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1006175
Project: 2nd Qtr 2010 OW Wells
Lab ID: 1006175-02

Client Sample ID: OW-52
Collection Date: 6/1/2010 11:58:00 AM
Date Received: 6/4/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	6/9/2010 9:12:01 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/9/2010 9:12:01 AM
Methylene Chloride	ND	3.0		µg/L	1	6/9/2010 9:12:01 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Styrene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/9/2010 9:12:01 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
[redacted],2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
[redacted],1,1-Trichloroethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/9/2010 9:12:01 AM
Vinyl chloride	ND	1.0		µg/L	1	6/9/2010 9:12:01 AM
Xylenes, Total	ND	1.5		µg/L	1	6/9/2010 9:12:01 AM
Surr: 1,2-Dichloroethane-d4	87.4	54.6-141		%REC	1	6/9/2010 9:12:01 AM
Surr: 4-Bromofluorobenzene	105	60.1-133		%REC	1	6/9/2010 9:12:01 AM
Surr: Dibromofluoromethane	95.3	78.5-130		%REC	1	6/9/2010 9:12:01 AM
Surr: Toluene-d8	104	79.5-126		%REC	1	6/9/2010 9:12:01 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	990	0.010		µmhos/cm	1	6/4/2010 4:52:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.25	0.1		pH units	1	6/4/2010 4:52:00 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1006175	**Collection Date:**	
Project:	2nd Qtr 2010 OW Wells	**Date Received:**	6/4/2010
Lab ID:	1006175-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/10/2010 12:58:30 PM
Surr: BFB	92.4	55.2-107		%REC	1	6/10/2010 12:58:30 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Toluene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Ethylbenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Naphthalene	ND	2.0		µg/L	1	6/9/2010 12:16:24 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/9/2010 12:16:24 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/9/2010 12:16:24 PM
Acetone	ND	10		µg/L	1	6/9/2010 12:16:24 PM
Bromobenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Bromoform	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Bromomethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
2-Butanone	ND	10		µg/L	1	6/9/2010 12:16:24 PM
Carbon disulfide	ND	10		µg/L	1	6/9/2010 12:16:24 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Chlorobenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Chloroethane	ND	2.0		µg/L	1	6/9/2010 12:16:24 PM
Chloroform	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Chloromethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/9/2010 12:16:24 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Dibromomethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Jun-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: TRIP BLANK
Lab Order: 1006175
Collection Date:
Project: 2nd Qtr 2010 OW Wells
Date Received: 6/4/2010
Lab ID: 1006175-03
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,3-Dichloropropane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/9/2010 12:16:24 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
2-Hexanone	ND	10		µg/L	1	6/9/2010 12:16:24 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/9/2010 12:16:24 PM
Methylene Chloride	ND	3.0		µg/L	1	6/9/2010 12:16:24 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Styrene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/9/2010 12:16:24 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/9/2010 12:16:24 PM
Vinyl chloride	ND	1.0		µg/L	1	6/9/2010 12:16:24 PM
Xylenes, Total	ND	1.5		µg/L	1	6/9/2010 12:16:24 PM
Surr: 1,2-Dichloroethane-d4	87.5	54.6-141		%REC	1	6/9/2010 12:16:24 PM
Surr: 4-Bromofluorobenzene	103	60.1-133		%REC	1	6/9/2010 12:16:24 PM
Surr: Dibromofluoromethane	92.5	78.5-130		%REC	1	6/9/2010 12:16:24 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	6/9/2010 12:16:24 PM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1006175-01CMSD		*MSD*				Batch ID:	**R39153**	Analysis Date:		6/8/2010 3:24:51 PM	
Fluoride	0.9715	mg/L	0.10	0.5	0.5343	87.4	77.5	105	0.544	20	
Bromide	2.524	mg/L	0.10	2.5	0.2166	92.3	78.8	108	0.167	20	
Sample ID: MB		*MBLK*				Batch ID:	**R39153**	Analysis Date:		6/8/2010 10:04:20 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R39156**	Analysis Date:		6/8/2010 10:00:42 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R39153**	Analysis Date:		6/8/2010 10:21:45 AM	
Fluoride	0.4883	mg/L	0.10	0.5	0	97.7	90	110			
Chloride	4.897	mg/L	0.50	5	0	97.9	90	110			
Bromide	2.507	mg/L	0.10	2.5	0	100	90	110			
Nitrate (As N)+Nitrite (As N)	3.460	mg/L	0.20	3.5	0	98.8	90	110			
Phosphorus, Orthophosphate (As P)	4.870	mg/L	0.50	5	0	97.4	90	110			
Sulfate	10.02	mg/L	0.50	10	0	100	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R39156**	Analysis Date:		6/8/2010 10:18:07 AM	
Fluoride	0.4904	mg/L	0.10	0.5	0	98.1	90	110			
Chloride	4.721	mg/L	0.50	5	0	94.4	90	110			
Bromide	2.399	mg/L	0.10	2.5	0	96.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.318	mg/L	0.20	3.5	0	94.8	90	110			
Phosphorus, Orthophosphate (As P)	4.746	mg/L	0.50	5	0	94.9	90	110			
Sulfate	9.528	mg/L	0.50	10	0	95.3	90	110			
Sample ID: 1006175-01CMS		*MS*				Batch ID:	**R39153**	Analysis Date:		6/8/2010 3:07:26 PM	
Fluoride	0.9768	mg/L	0.10	0.5	0.5343	88.5	77.5	105			
Bromide	2.520	mg/L	0.10	2.5	0.2166	92.1	78.8	108			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-22527		*MBLK*				Batch ID:	**22527**	Analysis Date:		6/7/2010 9:18:34 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-22527		*LCS*				Batch ID:	**22527**	Analysis Date:		6/7/2010 9:52:08 AM	
Diesel Range Organics (DRO)	6.017	mg/L	1.0	5	0	120	74	157			
Sample ID: LCSD-22527		*LCSD*				Batch ID:	**22527**	Analysis Date:		6/7/2010 10:26:00 AM	
Diesel Range Organics (DRO)	6.425	mg/L	1.0	5	0	129	74	157	6.57	23	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R39200**	Analysis Date:		6/10/2010 9:35:51 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R39200**	Analysis Date:		6/10/2010 6:45:23 PM	
Gasoline Range Organics (GRO)	0.4882	mg/L	0.050	0.5	0	97.6	77.8	124			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1006175-01a msd		*MSD*				Batch ID: **R39141**		Analysis Date:		6/9/2010 8:44:31 AM	
Benzene	19.12	µg/L	1.0	20	0	95.6	75.7	118	8.72	15	
Toluene	21.52	µg/L	1.0	20	0	108	80.1	114	1.55	15	
Chlorobenzene	21.06	µg/L	1.0	20	0	105	81.5	112	1.32	15	
1,1-Dichloroethene	22.13	µg/L	1.0	20	0	111	77.4	132	5.43	17.8	
Trichloroethene (TCE)	17.72	µg/L	1.0	20	0	88.6	61.1	121	2.71	19.8	
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39141**		Analysis Date:		6/8/2010 8:42:02 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39141**		Analysis Date:	6/8/2010 8:42:02 AM		
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-[illegible]lorobenzene	ND	µg/L	1.0								
1,2,4-[illegible]lorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b8		*MBLK*				Batch ID: **R39141**		Analysis Date:	6/8/2010 10:22:14 PM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b8		*MBLK*				**Batch ID: R39141**		**Analysis Date: 6/8/2010 10:22:14 PM**			
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b8		*MBLK*					**Batch ID: R39141**		**Analysis Date:**	6/8/2010 10:22:14 PM	
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*					**Batch ID: R39181**		**Analysis Date:**	6/9/2010 10:25:58 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromochloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39181**		Analysis Date:	6/9/2010 10:25:58 AM		
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b9		*MBLK*				Batch ID: **R39181**		Analysis Date:	6/9/2010 10:55:36 PM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b9		*MBLK*				Batch ID: **R39181**		Analysis Date:	6/9/2010 10:55:36 PM		
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-D[redacted]roethane	ND	µg/L	1.0								
1,1-D[redacted]roethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b9		*MBLK*				Batch ID:	**R39181**	Analysis Date:	6/9/2010 10:55:36 PM		
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R39141**	Analysis Date:	6/8/2010 9:53:19 AM		
Benzene	18.99	µg/L	1.0	20	0	94.9	82.4	116			
Toluene	21.58	µg/L	1.0	20	0	108	89.5	123			
Chlorobenzene	22.03	µg/L	1.0	20	0	110	87.8	120			
1,1-Dichloroethene	20.97	µg/L	1.0	20	0	105	90.3	138			
Trichloroethene (TCE)	17.95	µg/L	1.0	20	0	89.7	64	129			
Sample ID: 100ng lcs_b		*LCS*				Batch ID:	**R39141**	Analysis Date:	6/8/2010 9:54:25 PM		
Benzene	19.15	µg/L	1.0	20	0	95.7	82.4	116			
Toluene	21.55	µg/L	1.0	20	0	108	89.5	123			
Chlorobenzene	21.18	µg/L	1.0	20	0	106	87.8	120			
1,1-Dichloroethene	21.95	µg/L	1.0	20	0	110	90.3	138			
Trichloroethene (TCE)	17.25	µg/L	1.0	20	0	86.3	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R39181**	Analysis Date:	6/9/2010 11:21:09 AM		
Benzene	19.11	µg/L	1.0	20	0	95.5	82.4	116			
Toluene	22.00	µg/L	1.0	20	0	110	89.5	123			
Chlorobenzene	21.41	µg/L	1.0	20	0	107	87.8	120			
1,1-Dichloroethene	22.01	µg/L	1.0	20	0	110	90.3	138			
Trichloroethene (TCE)	17.50	µg/L	1.0	20	0	87.5	64	129			
Sample ID: 100ng lcs_b		*LCS*				Batch ID:	**R39181**	Analysis Date:	6/9/2010 11:51:02 PM		
Benzene	18.82	µg/L	1.0	20	0	94.1	82.4	116			
Toluene	21.05	µg/L	1.0	20	0	105	89.5	123			
Chlorobenzene	21.03	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	20.79	µg/L	1.0	20	0	104	90.3	138			
Trichloroethene (TCE)	16.87	µg/L	1.0	20	0	84.3	64	129			
Sample ID: 1006175-01a ms		*MS*				Batch ID:	**R39141**	Analysis Date:	6/9/2010 8:17:00 AM		
Benzene	20.86	µg/L	1.0	20	0	104	75.7	118			
Toluene	21.19	µg/L	1.0	20	0	106	80.1	114			
Chlorobenzene	20.79	µg/L	1.0	20	0	104	81.5	112			
1,1-Dichloroethene	23.36	µg/L	1.0	20	0	117	77.4	132			
Trichloroethene (TCE)	18.21	µg/L	1.0	20	0	91.0	61.1	121			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-22555		*MBLK*				Batch ID: **22555**		Analysis Date:	6/8/2010 3:58:33 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carb[redacted]	ND	µg/L	10								
4-Chl[redacted]-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-22555		*MBLK*				Batch ID:	**22555**	Analysis Date:		6/8/2010 3:58:33 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	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-22555		*LCS*				Batch ID:	**22555**	Analysis Date:		6/8/2010 4:29:07 PM	
Acenaphthene	69.44	µg/L	10	100	0	69.4	29.3	113			
4-Chloro-3-methylphenol	121.3	µg/L	10	200	0	60.7	23.3	123			
2-Chlorophenol	118.3	µg/L	10	200	0	59.2	23.9	112			
1,4-Dichlorobenzene	55.60	µg/L	10	100	0	55.6	16.5	106			
2,4-Dinitrotoluene	63.50	µg/L	10	100	0	63.5	27.7	126			
N-Nitrosodi-n-propylamine	58.54	µg/L	10	100	0	58.5	25.9	113			
4-Nitrophenol	58.68	µg/L	10	200	0	29.3	13.2	76.7			
Pentachlorophenol	121.7	µg/L	20	200	0	60.9	22.4	121			
Phenol	63.60	µg/L	10	200	0	31.8	15.3	68.3			
Pyrene	68.62	µg/L	10	100	3.08	65.5	23.5	119			
1,2,4-Trichlorobenzene	58.30	µg/L	10	100	0	58.3	23	107			
Sample ID: lcsd-22555		*LCSD*				Batch ID:	**22555**	Analysis Date:		6/8/2010 4:59:34 PM	
Acenaphthene	75.36	µg/L	10	100	0	75.4	29.3	113	8.16	30.5	
4-Chloro-3-methylphenol	146.9	µg/L	10	200	0	73.5	23.3	123	19.1	28.6	
2-Chlorophenol	124.4	µg/L	10	200	0	62.2	23.9	112	4.98	107	
1,4-Dichlorobenzene	55.28	µg/L	10	100	0	55.3	16.5	106	0.577	62.1	
2,4-Dinitrotoluene	73.48	µg/L	10	100	0	73.5	27.7	126	14.6	14.7	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-22555		*LCSD*				Batch ID:	**22555**	Analysis Date:		6/8/2010 4:59:34 PM	
N-Nitrosodi-n-propylamine	63.76	µg/L	10	100	0	63.8	25.9	113	8.54	30.3	
4-Nitrophenol	76.96	µg/L	10	200	0	38.5	13.2	76.7	27.0	36.3	
Pentachlorophenol	145.0	µg/L	20	200	0	72.5	22.4	121	17.4	49	
Phenol	65.02	µg/L	10	200	0	32.5	15.3	68.3	2.21	52.4	
Pyrene	64.30	µg/L	10	100	3.08	61.2	23.5	119	6.50	16.3	
1,2,4-Trichlorobenzene	63.14	µg/L	10	100	0	63.1	23	107	7.97	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-22550		*MBLK*				Batch ID:	**22550**	Analysis Date:		6/8/2010 3:57:34 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-22550		*LCS*				Batch ID:	**22550**	Analysis Date:		6/8/2010 4:03:01 PM	
Mercury	0.004975	mg/L	0.00020	0.005	5E-05	98.4	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R39277**	Analysis Date:	6/15/2010 3:40:09 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: MB		*MBLK*				Batch ID:	**R39313**	Analysis Date:	6/17/2010 9:58:18 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	**R39277**	Analysis Date:	6/15/2010 3:43:18 PM		
Arsenic	0.5066	mg/L	0.020	0.5	0	101	80	120			
Barium	0.4994	mg/L	0.020	0.5	0	99.9	80	120			
Cadmium	0.5038	mg/L	0.0020	0.5	0	101	80	120			
Calcium	50.52	mg/L	1.0	50.5	0	100	80	120			
Chromium	0.5029	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5393	mg/L	0.0060	0.5	0.0009	108	80	120			
Iron	0.5210	mg/L	0.020	0.5	0	104	80	120			
Lead	0.5017	mg/L	0.0050	0.5	0	100	80	120			
Magnesium	51.05	mg/L	1.0	50.5	0	101	80	120			
Manganese	0.4955	mg/L	0.0020	0.5	0	99.1	80	120			
Potassium	54.59	mg/L	1.0	55	0	99.3	80	120			
Selenium	0.5250	mg/L	0.050	0.5	0	105	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr 2010 OW Wells **Work Order:** 1006175

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R39277**	Analysis Date:	6/15/2010 3:43:18 PM		
Silver	0.5128	mg/L	0.0050	0.5	0	103	80	120			
Sodium	54.15	mg/L	1.0	50.5	0	107	80	120			
Zinc	0.4962	mg/L	0.050	0.5	0	99.2	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R39313**	Analysis Date:	6/17/2010 10:01:05 AM		
Arsenic	0.5043	mg/L	0.020	0.5	0	101	80	120			
Barium	0.4713	mg/L	0.020	0.5	0	94.3	80	120			
Cadmium	0.4886	mg/L	0.0020	0.5	0	97.7	80	120			
Calcium	49.15	mg/L	1.0	50.5	0	97.3	80	120			
Chromium	0.4798	mg/L	0.0060	0.5	0	96.0	80	120			
Copper	0.4992	mg/L	0.0060	0.5	0	99.8	80	120			
Iron	0.4878	mg/L	0.020	0.5	0	97.6	80	120			
Lead	0.4875	mg/L	0.0050	0.5	0	97.5	80	120			
Magnesium	49.46	mg/L	1.0	50.5	0	97.9	80	120			
Manganese	0.4685	mg/L	0.0020	0.5	0.0001	93.7	80	120			
Potassium	51.94	mg/L	1.0	55	0	94.4	80	120			
Selenium	0.4898	mg/L	0.050	0.5	0	98.0	80	120			
Silver	0.4889	mg/L	0.0050	0.5	0	97.8	80	120			
Sodium	51.81	mg/L	1.0	50.5	0	103	80	120			
Zinc	0.4822	mg/L	0.050	0.5	0	96.4	80	120			
Method: EPA 6010B: Total Recoverble Metals											
Sample ID: MB-22565		*MBLK*				Batch ID:	**22565**	Analysis Date:	6/10/2010 10:43:45 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sample ID: LCS-22565		*LCS*				Batch ID:	**22565**	Analysis Date:	6/10/2010 10:46:43 AM		
Arsenic	0.5193	mg/L	0.020	0.5	0.0082	102	80	120			
Barium	0.4736	mg/L	0.020	0.5	0	94.7	80	120			
Cadmium	0.4897	mg/L	0.0020	0.5	0	97.9	80	120			
Chromium	0.4921	mg/L	0.0060	0.5	0	98.4	80	120			
Lead	0.4895	mg/L	0.0050	0.5	0	97.9	80	120			
Selenium	0.5130	mg/L	0.050	0.5	0	103	80	120			
Silver	0.4870	mg/L	0.0050	0.5	0.0007	97.3	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **6/4/2010**

Work Order Number **1006175** Received by: TLS

Checklist completed by: _____ 6/4/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☐	No ☑	N/A ☐	
Container/Temp Blank temperature?	**6.3°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 10

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

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: 2nd QTR 2010 OW wells

Project #:

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 6.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1004174	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals Total & Diss	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA) + phenols	Gen Chem				Air Bubbles (Y or N)
6-1-10	1020	H_2O	OW-50	3-40ml	HCl	1			X													
				3-40ml	HCl	1										X						
				1 L	None	1											X					
				2-500	HNO_3	1							X									
				2-125	HNO_3	1							X									
				1-250	None	1												X				
				1-125	H_2SO_4	1												X				
6-1-10	1158	H_2O	OW-52	3-40ml	HCl	2			X													
				3-40ml	HCl	2										X						
				1 L	None	2											X					
				2-500	HNO_3	2							X									
				2-125	HNO_3	2							X									

Date:	Time:	Relinquished by:	Received by:	Date	Time
060710	1200			6/4/10	905
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: gen chem = cat/anions, pH, ec

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)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2nd QTR 2010 GW wells

Project #:

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 2.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1006175	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	gen Chem				Air Bubbles (Y or N)
6/1/10	1158	H2O	GW-52	1-250	None	2												X				
			✓	1-125	H2SO4	2												X				
6/1/10			Trip Blank	—	—	3																
6/1/10																						

Date: 06/07/10 Time: 1200 Relinquished by: [signature]

Received by: [signature] Date: 6/4/10 Time: 905

Date: Time: Relinquished by:

Received by: Date: Time:

Remarks: gen chem: Cat/anion, pH, ec

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

OW 30, 50, 52

COVER LETTER

Monday, October 25, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 3rd Qtr 2010

Order No.: 1010067

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 9/29/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1010067	**Collection Date:**	9/27/2010 9:37:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Toluene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Ethylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Methyl tert-butyl ether (MTBE)	1100	20		µg/L	20	10/2/2010 8:18:09 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Naphthalene	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/2/2010 8:44:15 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/2/2010 8:44:15 PM
Acetone	ND	10		µg/L	1	10/2/2010 8:44:15 PM
Bromobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Bromoform	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Bromomethane	ND	3.0		µg/L	1	10/2/2010 8:44:15 PM
2-Butanone	ND	10		µg/L	1	10/2/2010 8:44:15 PM
Carbon disulfide	ND	10		µg/L	1	10/2/2010 8:44:15 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Chlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Chloroethane	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
Chloroform	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Chloromethane	ND	3.0		µg/L	1	10/2/2010 8:44:15 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Dibromomethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	1010067	**Collection Date:**	9/27/2010 9:37:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	10/2/2010 8:44:15 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/2/2010 8:44:15 PM
Methylene Chloride	ND	3.0		µg/L	1	10/2/2010 8:44:15 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Styrene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/2/2010 8:44:15 PM
Vinyl chloride	ND	1.0		µg/L	1	10/2/2010 8:44:15 PM
Xylenes, Total	ND	1.5		µg/L	1	10/2/2010 8:44:15 PM
Surr: 1,2-Dichloroethane-d4	113	54.6-141		%REC	1	10/2/2010 8:44:15 PM
Surr: 4-Bromofluorobenzene	112	60.1-133		%REC	1	10/2/2010 8:44:15 PM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	10/2/2010 8:44:15 PM
Surr: Toluene-d8	108	79.5-126		%REC	1	10/2/2010 8:44:15 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1010067	**Collection Date:**	9/27/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/5/2010 1:44:23 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/5/2010 1:44:23 AM
Surr: DNOP	124	86.9-151		%REC	1	10/5/2010 1:44:23 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/5/2010 7:35:17 PM
Surr: BFB	100	79.9-117		%REC	1	10/5/2010 7:35:17 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.41	0.10		mg/L	1	10/5/2010 2:33:15 PM
Chloride	26	10		mg/L	20	10/5/2010 2:50:40 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	10/7/2010 6:39:42 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/5/2010 2:33:15 PM
Sulfate	140	10		mg/L	20	10/5/2010 2:50:40 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	10/14/2010 12:57:30 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/18/2010 11:51:16 AM
Barium	0.040	0.020		mg/L	1	10/18/2010 11:51:16 AM
Cadmium	ND	0.0020		mg/L	1	10/18/2010 11:51:16 AM
Calcium	21	1.0		mg/L	1	10/18/2010 11:51:16 AM
Chromium	ND	0.0060		mg/L	1	10/18/2010 11:51:16 AM
Copper	ND	0.0060		mg/L	1	10/18/2010 11:51:16 AM
Iron	ND	0.020		mg/L	1	10/18/2010 11:51:16 AM
Lead	ND	0.0050		mg/L	1	10/18/2010 11:51:16 AM
Magnesium	3.5	1.0		mg/L	1	10/18/2010 11:51:16 AM
Manganese	0.081	0.0020		mg/L	1	10/18/2010 11:51:16 AM
Potassium	ND	1.0		mg/L	1	10/18/2010 11:51:16 AM
Selenium	ND	0.050		mg/L	1	10/18/2010 11:51:16 AM
Silver	ND	0.0050		mg/L	1	10/18/2010 11:51:16 AM
Sodium	220	5.0		mg/L	5	10/18/2010 11:55:36 AM
Zinc	0.064	0.050		mg/L	1	10/19/2010 2:01:30 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/6/2010 12:38:39 PM
Barium	0.041	0.020		mg/L	1	10/6/2010 12:38:39 PM
Cadmium	ND	0.0020		mg/L	1	10/6/2010 12:38:39 PM
Chromium	ND	0.0060		mg/L	1	10/6/2010 12:38:39 PM
Copper	ND	0.0060		mg/L	1	10/6/2010 12:38:39 PM

Qualifiers:

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- E Estimated value
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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1010067	**Collection Date:**	9/27/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	ND	0.050	*	mg/L	1	10/6/2010 12:38:39 PM
Lead	ND	0.0050		mg/L	1	10/6/2010 12:38:39 PM
Manganese	0.083	0.0020		mg/L	1	10/6/2010 12:38:39 PM
Selenium	ND	0.050		mg/L	1	10/6/2010 12:38:39 PM
Silver	ND	0.0050		mg/L	1	10/6/2010 12:38:39 PM
Zinc	ND	0.020		mg/L	1	10/6/2010 12:38:39 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Acenaphthylene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Aniline	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Anthracene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Azobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benz(a)anthracene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benzo(a)pyrene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Benzoic acid	ND	20		µg/L	1	10/10/2010 11:01:46 PM
Benzyl alcohol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Butyl benzyl phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Carbazole	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Chloroaniline	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Chloronaphthalene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Chlorophenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Chrysene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Di-n-butyl phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Di-n-octyl phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Dibenzofuran	ND	10		µg/L	1	10/10/2010 11:01:46 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	10/10/2010 11:01:46 PM

Qualifiers:

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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1010067	**Collection Date:**	9/27/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Dimethyl phthalate	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2,4-Dichlorophenol	ND	20		µg/L	1	10/10/2010 11:01:46 PM
2,4-Dimethylphenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	10/10/2010 11:01:46 PM
2,4-Dinitrophenol	ND	20		µg/L	1	10/10/2010 11:01:46 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Fluoranthene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Fluorene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Hexachlorobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Hexachlorobutadiene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Hexachloroethane	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Isophorone	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Methylnaphthalene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Methylphenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
3+4-Methylphenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	10/10/2010 11:01:46 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	10/10/2010 11:01:46 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Naphthalene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Nitroaniline	ND	10		µg/L	1	10/10/2010 11:01:46 PM
3-Nitroaniline	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Nitroaniline	ND	20		µg/L	1	10/10/2010 11:01:46 PM
Nitrobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2-Nitrophenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
4-Nitrophenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Pentachlorophenol	ND	20		µg/L	1	10/10/2010 11:01:46 PM
Phenanthrene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Phenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Pyrene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Pyridine	ND	10		µg/L	1	10/10/2010 11:01:46 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	10/10/2010 11:01:46 PM
Surr: 2,4,6-Tribromophenol	71.9	16.6-150		%REC	1	10/10/2010 11:01:46 PM
Surr: 2-Fluorobiphenyl	72.4	19.6-134		%REC	1	10/10/2010 11:01:46 PM
Surr: 2-Fluorophenol	52.8	9.54-113		%REC	1	10/10/2010 11:01:46 PM
Surr: 4-Terphenyl-d14	70.7	22.7-145		%REC	1	10/10/2010 11:01:46 PM

Qualifiers:

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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1010067	**Collection Date:**	9/27/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Surr: Nitrobenzene-d5	75.6	14.6-134		%REC	1	10/10/2010 11:01:46 PM
Surr: Phenol-d5	38.8	10.7-80.3		%REC	1	10/10/2010 11:01:46 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Toluene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Ethylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Naphthalene	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/2/2010 9:10:21 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/2/2010 9:10:21 PM
Acetone	ND	10		µg/L	1	10/2/2010 9:10:21 PM
Bromobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Bromodichloromethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Bromoform	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Bromomethane	ND	3.0		µg/L	1	10/2/2010 9:10:21 PM
2-Butanone	ND	10		µg/L	1	10/2/2010 9:10:21 PM
Carbon disulfide	ND	10		µg/L	1	10/2/2010 9:10:21 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Chlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Chloroethane	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
Chloroform	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Chloromethane	ND	3.0		µg/L	1	10/2/2010 9:10:21 PM
2-Chlorotoluene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
4-Chlorotoluene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
cis-1,2-DCE	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
Dibromochloromethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Dibromomethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
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- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-50
Lab Order:	1010067	**Collection Date:**	9/27/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichloropropane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
2-Hexanone	ND	10		µg/L	1	10/2/2010 9:10:21 PM
Isopropylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/2/2010 9:10:21 PM
Methylene Chloride	ND	3.0		µg/L	1	10/2/2010 9:10:21 PM
n-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
n-Propylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
sec-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Styrene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
tert-Butylbenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
trans-1,2-DCE	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/2/2010 9:10:21 PM
Vinyl chloride	ND	1.0		µg/L	1	10/2/2010 9:10:21 PM
Xylenes, Total	ND	1.5		µg/L	1	10/2/2010 9:10:21 PM
Surr: 1,2-Dichloroethane-d4	114	54.6-141		%REC	1	10/2/2010 9:10:21 PM
Surr: 4-Bromofluorobenzene	105	60.1-133		%REC	1	10/2/2010 9:10:21 PM
Surr: Dibromofluoromethane	113	78.5-130		%REC	1	10/2/2010 9:10:21 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	10/2/2010 9:10:21 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1010067	**Collection Date:**	9/27/2010 2:40:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/5/2010 2:18:14 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/5/2010 2:18:14 AM
Surr: DNOP	124	66.9-151		%REC	1	10/5/2010 2:18:14 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/5/2010 8:04:11 PM
Surr: BFB	103	79.9-117		%REC	1	10/5/2010 8:04:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.52	0.10		mg/L	1	10/5/2010 3:42:54 PM
Chloride	27	10		mg/L	20	10/5/2010 4:00:18 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	10/7/2010 6:57:06 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/5/2010 3:42:54 PM
Sulfate	140	10		mg/L	20	10/5/2010 4:00:18 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	10/14/2010 12:59:16 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/18/2010 11:58:41 AM
Barium	0.026	0.020		mg/L	1	10/18/2010 11:58:41 AM
Cadmium	ND	0.0020		mg/L	1	10/18/2010 11:58:41 AM
Calcium	4.3	1.0		mg/L	1	10/18/2010 11:58:41 AM
Chromium	ND	0.0060		mg/L	1	10/18/2010 11:58:41 AM
Copper	ND	0.0060		mg/L	1	10/18/2010 11:58:41 AM
Iron	0.058	0.020		mg/L	1	10/18/2010 11:58:41 AM
Lead	ND	0.0050		mg/L	1	10/18/2010 11:58:41 AM
Magnesium	ND	1.0		mg/L	1	10/18/2010 11:58:41 AM
Manganese	0.031	0.0020		mg/L	1	10/18/2010 11:58:41 AM
Potassium	1.2	1.0		mg/L	1	10/18/2010 11:58:41 AM
Selenium	ND	0.050		mg/L	1	10/18/2010 11:58:41 AM
Silver	ND	0.0050		mg/L	1	10/18/2010 11:58:41 AM
Sodium	230	5.0		mg/L	5	10/18/2010 12:13:44 PM
Zinc	0.079	0.050		mg/L	1	10/19/2010 2:05:25 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/6/2010 12:47:23 PM
Barium	0.025	0.020		mg/L	1	10/6/2010 12:47:23 PM
Cadmium	ND	0.0020		mg/L	1	10/6/2010 12:47:23 PM
Chromium	ND	0.0060		mg/L	1	10/6/2010 12:47:23 PM
Copper	ND	0.0060		mg/L	1	10/6/2010 12:47:23 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1010067	**Collection Date:**	9/27/2010 2:40:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Iron	0.065	0.050		mg/L	1	10/6/2010 12:47:23 PM
Lead	ND	0.0050		mg/L	1	10/6/2010 12:47:23 PM
Manganese	0.030	0.0020		mg/L	1	10/6/2010 12:47:23 PM
Selenium	ND	0.050		mg/L	1	10/6/2010 12:47:23 PM
Silver	ND	0.0050		mg/L	1	10/6/2010 12:47:23 PM
Zinc	ND	0.020		mg/L	1	10/6/2010 12:47:23 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Acenaphthylene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Aniline	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Anthracene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Azobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benz(a)anthracene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benzo(a)pyrene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Benzoic acid	ND	20		µg/L	1	10/10/2010 11:31:34 PM
Benzyl alcohol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Butyl benzyl phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Carbazole	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Chloroaniline	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Chloronaphthalene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Chlorophenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Chrysene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Di-n-butyl phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Di-n-octyl phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Dibenzofuran	ND	10		µg/L	1	10/10/2010 11:31:34 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	10/10/2010 11:31:34 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1010067	**Collection Date:**	9/27/2010 2:40:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Dimethyl phthalate	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2,4-Dichlorophenol	ND	20		µg/L	1	10/10/2010 11:31:34 PM
2,4-Dimethylphenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	10/10/2010 11:31:34 PM
2,4-Dinitrophenol	ND	20		µg/L	1	10/10/2010 11:31:34 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Fluoranthene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Fluorene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Hexachlorobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Hexachlorobutadiene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Hexachloroethane	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Isophorone	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Methylnaphthalene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Methylphenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
3+4-Methylphenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	10/10/2010 11:31:34 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	10/10/2010 11:31:34 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Naphthalene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Nitroaniline	ND	10		µg/L	1	10/10/2010 11:31:34 PM
3-Nitroaniline	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Nitroaniline	ND	20		µg/L	1	10/10/2010 11:31:34 PM
Nitrobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2-Nitrophenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
4-Nitrophenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Pentachlorophenol	ND	20		µg/L	1	10/10/2010 11:31:34 PM
Phenanthrene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Phenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Pyrene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Pyridine	ND	10		µg/L	1	10/10/2010 11:31:34 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	10/10/2010 11:31:34 PM
Surr: 2,4,6-Tribromophenol	78.3	16.6-150		%REC	1	10/10/2010 11:31:34 PM
Surr: 2-Fluorobiphenyl	77.6	19.6-134		%REC	1	10/10/2010 11:31:34 PM
Surr: 2-Fluorophenol	58.1	9.54-113		%REC	1	10/10/2010 11:31:34 PM
Surr: 4-Terphenyl-d14	62.5	22.7-145		%REC	1	10/10/2010 11:31:34 PM

Qualifiers:

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E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1010067	**Collection Date:**	9/27/2010 2:40:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Surr: Nitrobenzene-d5	80.4	14.6-134		%REC	1	10/10/2010 11:31:34 PM
Surr: Phenol-d5	48.3	10.7-80.3		%REC	1	10/10/2010 11:31:34 PM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Toluene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Naphthalene	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 12:13:36 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 12:13:36 AM
Acetone	ND	10		µg/L	1	10/3/2010 12:13:36 AM
Bromobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Bromoform	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Bromomethane	ND	3.0		µg/L	1	10/3/2010 12:13:36 AM
2-Butanone	ND	10		µg/L	1	10/3/2010 12:13:36 AM
Carbon disulfide	ND	10		µg/L	1	10/3/2010 12:13:36 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Chloroethane	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
Chloroform	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Chloromethane	ND	3.0		µg/L	1	10/3/2010 12:13:36 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Dibromomethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-52
Lab Order:	1010067	**Collection Date:**	9/27/2010 2:40:00 PM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
2-Hexanone	ND	10		µg/L	1	10/3/2010 12:13:36 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2010 12:13:36 AM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2010 12:13:36 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Styrene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2010 12:13:36 AM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2010 12:13:36 AM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2010 12:13:36 AM
Surr: 1,2-Dichloroethane-d4	111	54.6-141		%REC	1	10/3/2010 12:13:36 AM
Surr: 4-Bromofluorobenzene	115	60.1-133		%REC	1	10/3/2010 12:13:36 AM
Surr: Dibromofluoromethane	106	78.5-130		%REC	1	10/3/2010 12:13:36 AM
Surr: Toluene-d8	104	79.5-126		%REC	1	10/3/2010 12:13:36 AM

Qualifiers:

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E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1010067	**Collection Date:**	9/27/2010 8:00:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Toluene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Naphthalene	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 12:39:47 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 12:39:47 AM
Acetone	ND	10		µg/L	1	10/3/2010 12:39:47 AM
Bromobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Bromoform	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Bromomethane	ND	3.0		µg/L	1	10/3/2010 12:39:47 AM
2-Butanone	ND	10		µg/L	1	10/3/2010 12:39:47 AM
Carbon disulfide	ND	10		µg/L	1	10/3/2010 12:39:47 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Chloroethane	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
Chloroform	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Chloromethane	ND	3.0		µg/L	1	10/3/2010 12:39:47 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Dibromomethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1010067	**Collection Date:**	9/27/2010 8:00:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	10/3/2010 12:39:47 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2010 12:39:47 AM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2010 12:39:47 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Styrene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2010 12:39:47 AM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2010 12:39:47 AM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2010 12:39:47 AM
Surr: 1,2-Dichloroethane-d4	112	54.6-141		%REC	1	10/3/2010 12:39:47 AM
Surr: 4-Bromofluorobenzene	109	60.1-133		%REC	1	10/3/2010 12:39:47 AM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	10/3/2010 12:39:47 AM
Surr: Toluene-d8	110	79.5-126		%REC	1	10/3/2010 12:39:47 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1010067
Project: 3rd Qtr 2010
Lab ID: 1010067-05

Client Sample ID: Trip Blank
Collection Date:
Date Received: 9/29/2010
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Toluene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Naphthalene	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 1:06:07 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 1:06:07 AM
Acetone	ND	10		µg/L	1	10/3/2010 1:06:07 AM
Bromobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Bromoform	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Bromomethane	ND	3.0		µg/L	1	10/3/2010 1:06:07 AM
2-Butanone	ND	10		µg/L	1	10/3/2010 1:06:07 AM
Carbon disulfide	ND	10		µg/L	1	10/3/2010 1:06:07 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Chloroethane	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
Chloroform	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Chloromethane	ND	3.0		µg/L	1	10/3/2010 1:06:07 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Dibromomethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1010067	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/29/2010
Lab ID:	1010067-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	10/3/2010 1:06:07 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2010 1:06:07 AM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2010 1:06:07 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Styrene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2010 1:06:07 AM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2010 1:06:07 AM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2010 1:06:07 AM
Surr: 1,2-Dichloroethane-d4	104	54.6-141		%REC	1	10/3/2010 1:06:07 AM
Surr: 4-Bromofluorobenzene	110	60.1-133		%REC	1	10/3/2010 1:06:07 AM
Surr: Dibromofluoromethane	99.0	78.5-130		%REC	1	10/3/2010 1:06:07 AM
Surr: Toluene-d8	105	79.5-126		%REC	1	10/3/2010 1:06:07 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1010067
Lab ID: B10100480-001
Client Sample ID 1010067-02D & -02F OW-50

Report Date: 10/13/10
Collection Date: 09/27/10 10:48
DateReceived: 10/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.006	mg/L		0.001		SW6020	10/09/10 06:02 / jjw
METALS, TOTAL							
Uranium	0.006	mg/L		0.001		SW6020	10/13/10 00:29 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1010067
Lab ID: B10100480-002
Client Sample ID 1010067-03D & -03F OW-52

Report Date: 10/13/10
Collection Date: 09/27/10 14:40
DateReceived: 10/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.009	mg/L		0.001		SW6020	10/09/10 06:07 / jjw
METALS, TOTAL							
Uranium	0.010	mg/L		0.001		SW6020	10/13/10 00:33 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1010067

Report Date: 10/13/10
Work Order: B10100480

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_101012A	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard							10/12/10 12:42	
Uranium		0.0192	mg/L	0.00030	96	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							10/12/10 12:46	
Uranium		1.40E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB							10/12/10 12:50	
Uranium		2.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: 49638
Sample ID: MB-49638		Method Blank				Run: ICPMS202-B_101012A			10/13/10 00:01	
Uranium		ND	mg/L	2E-05						
Sample ID: B10100459-001BDIL		Serial Dilution				Run: ICPMS202-B_101012A			10/13/10 00:25	
Uranium		0.00175	mg/L	0.0010		0	0		10	N
Sample ID: LCS-49638		Laboratory Control Sample				Run: ICPMS202-B_101012A			10/13/10 00:37	
Uranium		0.503	mg/L	0.0010	101	85	115			
Sample ID: B10100459-001BMS3		Sample Matrix Spike				Run: ICPMS202-B_101012A			10/13/10 00:41	
Uranium		0.533	mg/L	0.0010	106	75	125			
Sample ID: B10100459-001BMSD3		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101012A			10/13/10 00:45	
Uranium		0.555	mg/L	0.0010	111	75	125	4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Hall Environmental
Project: 1010067

Report Date: 10/13/10
Work Order: B10100480

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_101008A	
Sample ID: QCS-100607A,100726		Initial Calibration Verification Standard								10/08/10 17:24
Uranium		0.0208	mg/L	0.00030	104	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								10/08/10 17:29
Uranium		1.20E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B,09		Interference Check Sample AB								10/08/10 17:33
Uranium		3.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R155275
Sample ID: B10100211-001AMS		Sample Matrix Spike				Run: ICPMS203-B_101008A				10/09/10 02:07
Uranium		0.236	mg/L	0.0010	93	75	125			
Sample ID: B10100211-002ADIL		Serial Dilution				Run: ICPMS203-B_101008A				10/09/10 03:09
Uranium		0.0106	mg/L	0.0010		0	0			
Sample ID: B10100211-001AMSD		Sample Matrix Spike Duplicate				Run: ICPMS203-B_101008A				10/09/10 04:07
Uranium		0.231	mg/L	0.0010	91	75	125	1.9	20	
Sample ID: LRB		Method Blank				Run: ICPMS203-B_101008A				10/08/10 15:15
Uranium		ND	mg/L	4E-06						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS203-B_101008A				10/08/10 15:19
Uranium		0.0524	mg/L	0.00030	105	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41371**	Analysis Date:	10/5/2010 12:14:01 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41400**	Analysis Date:	10/6/2010 11:41:54 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R41371**	Analysis Date:	10/5/2010 12:31:25 PM		
Fluoride	0.5005	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.925	mg/L	0.50	5	0	98.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.500	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	5.282	mg/L	0.50	5	0	106	90	110			
Sulfate	9.912	mg/L	0.50	10	0	99.1	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R41400**	Analysis Date:	10/6/2010 11:59:19 PM		
Fluoride	0.5222	mg/L	0.10	0.5	0	104	90	110			
Chloride	5.032	mg/L	0.50	5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.562	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.366	mg/L	0.50	5	0	107	90	110			
Sulfate	10.18	mg/L	0.50	10	0	102	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23985		*MBLK*				Batch ID:	**23985**	Analysis Date:	10/4/2010 7:31:23 PM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23985		*LCS*				Batch ID:	**23985**	Analysis Date:	10/4/2010 8:05:29 PM		
Diesel Range Organics (DRO)	5.179	mg/L	1.0	5	0	104	74	157			
Sample ID: LCSD-23985		*LCSD*				Batch ID:	**23985**	Analysis Date:	10/4/2010 8:39:36 PM		
Diesel Range Organics (DRO)	5.753	mg/L	1.0	5	0	115	74	157	10.5	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41374**	Analysis Date:	10/5/2010 9:40:13 AM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: b 21		*MBLK*				Batch ID:	**R41374**	Analysis Date:	10/5/2010 6:37:23 PM		
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41374**	Analysis Date:	10/5/2010 8:33:15 PM		
Gasoline Range Organics (GRO)	0.5606	mg/L	0.050	0.5	0	112	89.5	122			
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41374**	Analysis Date:	10/7/2010 10:58:01 AM		
Gasoline Range Organics (GRO)	0.5608	mg/L	0.050	0.5	0	112	89.5	122			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1010067-02a msd		*MSD*				Batch ID:	**R41337**	Analysis Date:		10/2/2010 10:02:38 PM	
Benzene	19.60	µg/L	1.0	20	0	98.0	75.7	118	2.87	15	
Toluene	17.80	µg/L	1.0	20	0	89.0	80.1	114	6.39	15	
Chlorobenzene	19.25	µg/L	1.0	20	0	96.2	81.5	112	1.23	15	
1,1-Dichloroethene	20.34	µg/L	1.0	20	0	102	77.4	132	1.19	17.8	
Trichloroethene (TCE)	18.40	µg/L	1.0	20	0	92.0	61.1	121	2.82	19.8	
Sample ID: 5ml-rb		*MBLK*				Batch ID:	**R41337**	Analysis Date:		10/2/2010 11:49:14 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Benzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** *1010067*

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*					Batch ID: **R41337**		Analysis Date:	10/2/2010 11:49:14 AM	
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b7		*MBLK*					Batch ID: **R41337**		Analysis Date:	10/2/2010 10:28:59 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*					**Batch ID: R41337**		Analysis Date: 10/2/2010 10:28:59 PM		
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*				Batch ID:	**R41337**	Analysis Date:	10/2/2010 10:28:59 PM		
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41337**	Analysis Date:	10/2/2010 12:52:02 PM		
Benzene	18.95	µg/L	1.0	20	0	94.8	82.4	116			
Toluene	18.18	µg/L	1.0	20	0	90.9	89.5	123			
Chlorobenzene	18.56	µg/L	1.0	20	0	92.8	87.8	120			
1,1-Dichloroethene	19.27	µg/L	1.0	20	0	96.4	90.3	138			
Trichloroethene (TCE)	17.71	µg/L	1.0	20	0	88.6	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41337**	Analysis Date:	10/2/2010 11:21:23 PM		
Benzene	19.48	µg/L	1.0	20	0	97.4	82.4	116			
Toluene	18.83	µg/L	1.0	20	0	94.2	89.5	123			
Chlorobenzene	19.15	µg/L	1.0	20	0	95.7	87.8	120			
1,1-Dichloroethene	19.58	µg/L	1.0	20	0	97.9	90.3	138			
Trichloroethene (TCE)	17.95	µg/L	1.0	20	0	89.8	64	129			
Sample ID: 1010067-02a ms		*MS*				Batch ID:	**R41337**	Analysis Date:	10/2/2010 9:36:32 PM		
Benzene	20.17	µg/L	1.0	20	0	101	75.7	118			
Toluene	18.98	µg/L	1.0	20	0	94.9	80.1	114			
Chlorobenzene	19.48	µg/L	1.0	20	0	97.4	81.5	112			
1,1-Dichloroethene	20.58	µg/L	1.0	20	0	103	77.4	132			
Trichloroethene (TCE)	18.92	µg/L	1.0	20	0	94.6	61.1	121			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23981		*MBLK*				Batch ID:	23981	Analysis Date:	10/10/2010 5:29:58 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
C[redacted]ble	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	5.0								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	5.0								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	5.0								
2,4-Dinitrotoluene	ND	µg/L	5.0								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hex[redacted]lorobenzene	ND	µg/L	5.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23981		*MBLK*				Batch ID:	**23981**	Analysis Date:	10/10/2010 5:29:58 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	5.0								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-23981		*LCS*				Batch ID:	**23981**	Analysis Date:	10/10/2010 6:00:33 PM		
Acenaphthene	60.90	µg/L	10	100	0	60.9	29.3	113			
4-Chloro-3-methylphenol	64.16	µg/L	10	100	0	64.2	23.3	123			
2-Chlorophenol	59.36	µg/L	10	100	0	59.4	23.9	112			
1,4-Dichlorobenzene	48.68	µg/L	10	100	0	48.7	16.5	106			
2,4-Dinitrotoluene	72.30	µg/L	10	100	0	72.3	27.7	126			
N-Nitrosodi-n-propylamine	66.86	µg/L	10	100	0	66.9	25.9	113			
4-Nitrophenol	46.16	µg/L	10	100	0	46.2	13.2	76.7			
Pentachlorophenol	63.12	µg/L	20	100	0	63.1	22.4	121			
Phenol	39.22	µg/L	10	100	0	39.2	15.3	68.3			
Pyrene	65.44	µg/L	10	100	0	65.4	23.5	119			
1,2,4-Trichlorobenzene	55.10	µg/L	10	100	0	55.1	23	107			
Sample ID: lcsd-23981		*LCSD*				Batch ID:	**23981**	Analysis Date:	10/10/2010 6:30:55 PM		
Acenaphthene	59.30	µg/L	10	100	0	59.3	29.3	113	2.66	30.5	
4-Chloro-3-methylphenol	63.88	µg/L	10	100	0	63.9	23.3	123	0.437	28.6	
2-Chlorophenol	54.34	µg/L	10	100	0	54.3	23.9	112	8.83	107	
1,4-Dichlorobenzene	42.56	µg/L	10	100	0	42.6	16.5	106	13.4	62.1	
2,4-Dinitrotoluene	74.84	µg/L	10	100	0	74.8	27.7	126	3.45	14.7	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23981		*LCSD*				**Batch ID: 23981**		**Analysis Date: 10/10/2010 6:30:55 PM**			
N-Nitrosodi-n-propylamine	62.88	µg/L	10	100	0	62.9	25.9	113	6.14	30.3	
4-Nitrophenol	45.04	µg/L	10	100	0	45.0	13.2	76.7	2.46	36.3	
Pentachlorophenol	62.84	µg/L	20	200	0	31.4	22.4	121	0.445	49	
Phenol	34.72	µg/L	10	100	0	34.7	15.3	68.3	12.2	52.4	
Pyrene	64.78	µg/L	10	100	0	64.8	23.5	119	1.01	16.3	
1,2,4-Trichlorobenzene	64.74	µg/L	10	100	0	54.7	23	107	0.655	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-24114		*MBLK*				**Batch ID: 24114**		**Analysis Date: 10/14/2010 12:52:15 PM**			
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24114		*LCS*				**Batch ID: 24114**		**Analysis Date: 10/14/2010 12:53:59 PM**			
Mercury	0.004994	mg/L	0.00020	0.005	1E-05	99.6	80	120			
Sample ID: LCS-24114		*LCS*				**Batch ID: 24114**		**Analysis Date: 10/14/2010 12:55:45 PM**			
Mercury	0.005003	mg/L	0.00020	0.005	1E-05	99.8	80	120	0.182	0	
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID: R41653**		**Analysis Date: 10/19/2010 1:48:38 PM**			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				**Batch ID: R41653**		**Analysis Date: 10/19/2010 1:51:24 PM**			
Arsenic	0.5373	mg/L	0.020	0.5	0	107	80	120			
Barium	0.5067	mg/L	0.020	0.5	0	101	80	120			
Cadmium	0.5260	mg/L	0.0020	0.5	0	105	80	120			
Chromium	0.5159	mg/L	0.0060	0.5	0	103	80	120			
Lead	0.5183	mg/L	0.0050	0.5	0	104	80	120			
Manganese	0.5046	mg/L	0.0020	0.5	0	101	80	120			
Selenium	0.5181	mg/L	0.050	0.5	0	104	80	120			
Silver	0.5293	mg/L	0.0050	0.5	0	106	80	120			
Zinc	0.5090	mg/L	0.050	0.5	0	102	80	120			
Sample ID: LCS		*LCS*				**Batch ID: R41653**		**Analysis Date: 10/19/2010 1:54:42 PM**			
Calcium	58.95	mg/L	1.0	50.5	0.0187	117	80	120			
Magnesium	59.45	mg/L	1.0	50.5	0.0159	118	80	120			
Sodium	58.47	mg/L	1.0	50.5	0.0601	116	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1010067

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23988		*MBLK*				Batch ID:	**23988**	Analysis Date:	10/6/2010 11:49:54 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23988		*LCS*				Batch ID:	**23988**	Analysis Date:	10/6/2010 11:52:57 AM		
Arsenic	0.5252	mg/L	0.020	0.5	0	105	80	120			
Barium	0.5064	mg/L	0.020	0.5	0	101	80	120			
Cadmium	0.5146	mg/L	0.0020	0.5	0	103	80	120			
Chromium	0.5126	mg/L	0.0060	0.5	0	103	80	120			
Copper	0.5711	mg/L	0.0060	0.5	0	114	80	120			
Iron	0.5074	mg/L	0.050	0.5	0	101	80	120			
Lead	0.5063	mg/L	0.0050	0.5	0	101	80	120			
Manganese	0.5049	mg/L	0.0020	0.5	0	101	80	120			
Selenium	0.4908	mg/L	0.050	0.5	0	98.2	80	120			
Silver	0.5257	mg/L	0.0050	0.5	0	105	80	120			
Zinc	0.4908	mg/L	0.020	0.5	0	98.2	80	120			
Sample ID: LCS-23988		*LCS*				Batch ID:	**23988**	Analysis Date:	10/6/2010 11:56:09 AM		
Arsenic	0.5351	mg/L	0.020	0.5	0	107	80	120			
Barium	0.5162	mg/L	0.020	0.5	0	103	80	120			
Cadmium	0.5193	mg/L	0.0020	0.5	0	104	80	120			
Chromium	0.5224	mg/L	0.0060	0.5	0	104	80	120			
Copper	0.5810	mg/L	0.0060	0.5	0	116	80	120			
Iron	0.5151	mg/L	0.050	0.5	0	103	80	120			
Lead	0.5118	mg/L	0.0050	0.5	0	102	80	120			
Manganese	0.5141	mg/L	0.0020	0.5	0	103	80	120			
Selenium	0.4947	mg/L	0.050	0.5	0	98.9	80	120			
Silver	0.5343	mg/L	0.0050	0.5	0	107	80	120			
Zinc	0.4997	mg/L	0.020	0.5	0	99.9	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 9/29/2010

Work Order Number 1010067 | Received by: MLW

Checklist completed by: _____ 09/29/10 (Signature / Date) | Sample ID labels checked by: MG (Initials)

Matrix: | Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	0.5°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 10

(<2 or >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup, NM
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 3rd Qtr 2010
Project #: OW30, 50, 52
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 0.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1010067
9/27/10	0937	H2O	OW-30			-1
	1048		OW-50			-2
	1440		OW-52			-3
	0800		Field Blank			-4
			Trip Blank			-5

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA) TMTBE	8270 (Semi-VOA)	Wtr Filt Metals Tot-I Diss	Gen Chem			Air Bubbles (Y or N)
									X						
		X							X	X	X	X			
		X							X	X	X	X			
									X						
									X						

Date: 9/27/10 Time: 1530 Relinquished by:
Received by: Melissa Morton Date: 9/29/10 Time: 1000
Date: Time: Relinquished by:
Received by: Date: Time:

Remarks: GenChem: Cations, Anions, Spec Cond. pH

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

GWM-1

COVER LETTER

Wednesday, March 24, 2010

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 1st Qtr 2010

Order No.: 1003153

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 3/4/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1003153	**Collection Date:**	3/3/2010 11:20:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/4/2010
Lab ID:	1003153-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	3.9	1.0		mg/L	1	3/12/2010 1:48:16 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/12/2010 1:48:16 PM
Surr: DNOP	125	58-140		%REC	1	3/12/2010 1:48:16 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.88	0.25		mg/L	5	3/9/2010 12:13:15 PM
Surr: BFB	98.2	55.2-107		%REC	5	3/9/2010 12:13:15 PM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	2.1	0.10		mg/L	1	3/5/2010 8:27:23 PM
Chloride	1600	50		mg/L	100	3/17/2010 8:53:13 PM
Bromide	2.7	0.10		mg/L	1	3/5/2010 8:27:23 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	3/23/2010 9:54:25 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/5/2010 8:27:23 PM
Sulfate	88	10		mg/L	20	3/5/2010 9:02:12 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:50:52 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.074	0.020		mg/L	1	3/16/2010 2:59:53 PM
Barium	0.38	0.020		mg/L	1	3/16/2010 2:59:53 PM
Cadmium	ND	0.0020		mg/L	1	3/16/2010 2:59:53 PM
Calcium	280	5.0		mg/L	5	3/16/2010 3:03:57 PM
Chromium	ND	0.0060		mg/L	1	3/16/2010 2:59:53 PM
Copper	ND	0.0060		mg/L	1	3/16/2010 2:59:53 PM
Iron	12	0.40		mg/L	20	3/16/2010 5:24:28 PM
Lead	0.0084	0.0050		mg/L	1	3/16/2010 2:59:53 PM
Magnesium	57	1.0		mg/L	1	3/16/2010 2:59:53 PM
Manganese	2.7	0.010		mg/L	5	3/16/2010 3:03:57 PM
Potassium	2.9	1.0		mg/L	1	3/16/2010 2:59:53 PM
Selenium	ND	0.050		mg/L	1	3/16/2010 2:59:53 PM
Silver	ND	0.0050		mg/L	1	3/16/2010 2:59:53 PM
Sodium	1200	20		mg/L	20	3/16/2010 5:24:28 PM
Zinc	0.059	0.050		mg/L	1	3/16/2010 2:59:53 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	0.098	0.020		mg/L	1	3/15/2010 1:47:23 PM
Barium	0.42	0.020		mg/L	1	3/15/2010 1:47:23 PM
Cadmium	ND	0.0020		mg/L	1	3/15/2010 1:47:23 PM
Chromium	ND	0.0060		mg/L	1	3/15/2010 1:47:23 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1003153	**Collection Date:**	3/3/2010 11:20:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/4/2010
Lab ID:	1003153-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Copper	0.0072	0.0060		mg/L	1	3/15/2010 1:47:23 PM
Iron	15	1.0		mg/L	20	3/15/2010 3:21:37 PM
Lead	0.0078	0.0050		mg/L	1	3/15/2010 1:47:23 PM
Manganese	3.0	0.010		mg/L	5	3/15/2010 3:15:58 PM
Selenium	ND	0.050		mg/L	1	3/15/2010 1:47:23 PM
Silver	ND	0.0050		mg/L	1	3/15/2010 1:47:23 PM
Zinc	0.030	0.020		mg/L	1	3/15/2010 1:47:23 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	12	5.0		µg/L	5	3/9/2010 4:14:31 AM
Toluene	5.0	5.0		µg/L	5	3/9/2010 4:14:31 AM
Ethylbenzene	11	5.0		µg/L	5	3/9/2010 4:14:31 AM
Methyl tert-butyl ether (MTBE)	78	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,2,4-Trimethylbenzene	8.1	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Naphthalene	ND	10		µg/L	5	3/9/2010 4:14:31 AM
1-Methylnaphthalene	ND	20		µg/L	5	3/9/2010 4:14:31 AM
2-Methylnaphthalene	ND	20		µg/L	5	3/9/2010 4:14:31 AM
Acetone	ND	50		µg/L	5	3/9/2010 4:14:31 AM
Bromobenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Bromodichloromethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Bromoform	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Bromomethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
2-Butanone	ND	50		µg/L	5	3/9/2010 4:14:31 AM
Carbon disulfide	ND	50		µg/L	5	3/9/2010 4:14:31 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Chlorobenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Chloroethane	ND	10		µg/L	5	3/9/2010 4:14:31 AM
Chloroform	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Chloromethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
2-Chlorotoluene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
4-Chlorotoluene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
cis-1,2-DCE	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/9/2010 4:14:31 AM
Dibromochloromethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Dibromomethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1003153	**Collection Date:**	3/3/2010 11:20:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/4/2010
Lab ID:	1003153-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: DAM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
2,2-Dichloropropane	ND	10		µg/L	5	3/9/2010 4:14:31 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
2-Hexanone	ND	50		µg/L	5	3/9/2010 4:14:31 AM
Isopropylbenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/9/2010 4:14:31 AM
Methylene Chloride	ND	15		µg/L	5	3/9/2010 4:14:31 AM
n-Butylbenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
n-Propylbenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
sec-Butylbenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Styrene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
tert-Butylbenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/9/2010 4:14:31 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
trans-1,2-DCE	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/9/2010 4:14:31 AM
Vinyl chloride	ND	5.0		µg/L	5	3/9/2010 4:14:31 AM
Xylenes, Total	50	7.5		µg/L	5	3/9/2010 4:14:31 AM
Surr: 1,2-Dichloroethane-d4	93.8	54.6-141		%REC	5	3/9/2010 4:14:31 AM
Surr: 4-Bromofluorobenzene	94.9	60.1-133		%REC	5	3/9/2010 4:14:31 AM
Surr: Dibromofluoromethane	97.8	78.5-130		%REC	5	3/9/2010 4:14:31 AM
Surr: Toluene-d8	104	79.5-126		%REC	5	3/9/2010 4:14:31 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Mar-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: Trip Blank
Lab Order: 1003153
Collection Date:
Project: 1st Qtr 2010
Date Received: 3/4/2010
Lab ID: 1003153-02
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Toluene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Ethylbenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Naphthalene	ND	2.0		µg/L	1	3/9/2010 4:42:35 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/9/2010 4:42:35 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/9/2010 4:42:35 AM
Acetone	ND	10		µg/L	1	3/9/2010 4:42:35 AM
Bromobenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Bromodichloromethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Bromoform	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Bromomethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
2-Butanone	ND	10		µg/L	1	3/9/2010 4:42:35 AM
Carbon disulfide	ND	10		µg/L	1	3/9/2010 4:42:35 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Chlorobenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Chloroethane	ND	2.0		µg/L	1	3/9/2010 4:42:35 AM
Chloroform	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Chloromethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
2-Chlorotoluene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
4-Chlorotoluene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
cis-1,2-DCE	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/9/2010 4:42:35 AM
Dibromochloromethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Dibromomethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/9/2010 4:42:35 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *24-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1003153	**Collection Date:**	
Project:	1st Qtr 2010	**Date Received:**	3/4/2010
Lab ID:	1003153-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
2-Hexanone	ND	10		µg/L	1	3/9/2010 4:42:35 AM
Isopropylbenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/9/2010 4:42:35 AM
Methylene Chloride	ND	3.0		µg/L	1	3/9/2010 4:42:35 AM
n-Butylbenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
n-Propylbenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
sec-Butylbenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Styrene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
tert-Butylbenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/9/2010 4:42:35 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
trans-1,2-DCE	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/9/2010 4:42:35 AM
Vinyl chloride	ND	1.0		µg/L	1	3/9/2010 4:42:35 AM
Xylenes, Total	ND	1.5		µg/L	1	3/9/2010 4:42:35 AM
Surr: 1,2-Dichloroethane-d4	78.2	54.6-141		%REC	1	3/9/2010 4:42:35 AM
Surr: 4-Bromofluorobenzene	89.6	60.1-133		%REC	1	3/9/2010 4:42:35 AM
Surr: Dibromofluoromethane	86.5	78.5-130		%REC	1	3/9/2010 4:42:35 AM
Surr: Toluene-d8	94.8	79.5-126		%REC	1	3/9/2010 4:42:35 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Anatek Labs, Inc.

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100309043
Project Name: 1003153

Analytical Results Report

Sample Number 100309043-001 **Sampling Date** 3/3/2010 **Date/Time Received** 3/9/2010 11:37 AM
Client Sample ID 1003153-01D / GWM-1 **Sampling Time** 11:20 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.0224	mg/L	0.01	3/17/2010	JTT	EPA 6020A	

Sample Number 100309043-002 **Sampling Date** 3/3/2010 **Date/Time Received** 3/9/2010 11:37 AM
Client Sample ID 1003153-01F / GWM-1 **Sampling Time** 11:20 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.0208	mg/L	0.001	3/11/2010	ETL	EPA 6020A	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0085

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 100315

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R37665**	Analysis Date:	3/5/2010 11:49:34 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R37787**	Analysis Date:	3/15/2010 8:32:04 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R37809**	Analysis Date:	3/17/2010 6:16:33 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R37859**	Analysis Date:	3/19/2010 4:23:55 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R37882**	Analysis Date:	3/22/2010 3:55:02 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R37665**	Analysis Date:	3/5/2010 12:06:59 PM		
Fluoride	0.5299	mg/L	0.10	0.5	0	106	90	110			
Chloride	5.149	mg/L	0.50	5	0	103	90	110			
Bromide	2.685	mg/L	0.10	2.5	0	107	90	110			
Nitrate (As N)+Nitrite (As N)	3.593	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	5.093	mg/L	0.50	5	0	102	90	110			
Sulfate	10.03	mg/L	0.50	10	0	100	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37787**	Analysis Date:	3/15/2010 8:49:29 PM		
Fluoride	0.5468	mg/L	0.10	0.5	0	109	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003153

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R37787**	Analysis Date:	3/15/2010 8:49:29 PM		
Chloride	5.028	mg/L	0.50	5	0	101	90	110			
Bromide	2.553	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.602	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	5.101	mg/L	0.50	5	0	102	90	110			
Sulfate	10.31	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37809**	Analysis Date:	3/17/2010 6:33:57 PM		
Fluoride	0.5137	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.913	mg/L	0.50	5	0	98.3	90	110			
Bromide	2.442	mg/L	0.10	2.5	0	97.7	90	110			
Nitrate (As N)+Nitrite (As N)	3.431	mg/L	0.20	3.5	0	98.0	90	110			
Phosphorus, Orthophosphate (As P)	4.966	mg/L	0.50	5	0	99.3	90	110			
Sulfate	10.09	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37859**	Analysis Date:	3/19/2010 4:41:20 PM		
Fluoride	0.5406	mg/L	0.10	0.5	0	108	90	110			
Chloride	5.110	mg/L	0.50	5	0	102	90	110			
Bromide	2.550	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.636	mg/L	0.20	3.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.286	mg/L	0.50	5	0	106	90	110			
Sulfate	10.57	mg/L	0.50	10	0	106	90	110			
Sample ID: LCSRR		*LCS*				Batch ID:	**R37863**	Analysis Date:	3/19/2010 10:00:53 AM		
Chloride	5.136	mg/L	0.50	5	0	103	90	110			
Bromide	2.551	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.653	mg/L	0.20	3.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.280	mg/L	0.50	5	0	106	90	110			
Sulfate	10.56	mg/L	0.50	10	0	106	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R37882**	Analysis Date:	3/22/2010 4:12:27 PM		
Fluoride	0.5100	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.915	mg/L	0.50	5	0	98.3	90	110			
Bromide	2.466	mg/L	0.10	2.5	0	98.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.471	mg/L	0.20	3.5	0	99.2	90	110			
Phosphorus, Orthophosphate (As P)	4.967	mg/L	0.50	5	0	99.3	90	110			
Sulfate	10.03	mg/L	0.50	10	0	100	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21603		*MBLK*				Batch ID:	**21603**	Analysis Date:	3/10/2010 7:38:46 AM		
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21603		*LCS*				Batch ID:	**21603**	Analysis Date:	3/12/2010 7:14:45 PM		
Diesel Range Organics (DRO)	4.492	mg/L	1.0	5	0	89.8	74	157			
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003153

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: b-5		*MBLK*				Batch ID:	**R37677**	Analysis Date:		3/8/2010 11:21:44 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37677**	Analysis Date:		3/8/2010 6:56:46 PM	
Gasoline Range Organics (GRO)	0.4984	mg/L	0.050	0.5	0	99.7	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R37677**	Analysis Date:		3/8/2010 7:27:11 PM	
Gasoline Range Organics (GRO)	0.5024	mg/L	0.050	0.5	0	100	80	115	0.799	8.39	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003153

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R37675**		Analysis Date: 3/8/2010 9:56:16 AM			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 100315

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R37675**	Analysis Date:		3/8/2010 9:56:16 AM	
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R37675**	Analysis Date:		3/8/2010 10:51:57 AM	
Benzene	20.69	µg/L	1.0	20	0	103	76.7	114			
Toluene	21.36	µg/L	1.0	20	0	107	78.4	117			
Chlorobenzene	21.79	µg/L	1.0	20	0	109	80.7	127			
1,1-Dichloroethene	24.20	µg/L	1.0	20	0	121	80.2	128			
Trichloroethene (TCE)	20.33	µg/L	1.0	20	0	102	77.4	115			
Method: EPA Method 7470: Mercury											
Sample ID: MB-21570		*MBLK*				Batch ID:	**21570**	Analysis Date:		3/8/2010 2:23:58 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-21570		*LCS*				Batch ID:	**21570**	Analysis Date:		3/8/2010 2:25:48 PM	
Mercury	0.005045	mg/L	0.00020	0.005	3E-05	100	80	120			
Sample ID: LCS-21570		*LCS*				Batch ID:	**21570**	Analysis Date:		3/8/2010 2:27:40 PM	
Mercury	0.005116	mg/L	0.00020	0.005	3E-05	102	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003153

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 6010B: Dissolved Metals**											
Sample ID: **MB**		*MBLK*				**Batch ID:**	**R37782**	**Analysis Date:**		3/16/2010 2:05:26 PM	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: **LCS**		*LCS*				**Batch ID:**	**R37782**	**Analysis Date:**		3/16/2010 2:08:19 PM	
Arsenic	0.4876	mg/L	0.020	0.5	0	97.5	80	120			
Barium	0.4810	mg/L	0.020	0.5	0	96.2	80	120			
Ca[redacted]m	0.4877	mg/L	0.0020	0.5	0	97.5	80	120			
Ca[redacted]	49.94	mg/L	1.0	50.5	0	98.9	80	120			
Chromium	0.4884	mg/L	0.0060	0.5	0	97.7	80	120			
Copper	0.5240	mg/L	0.0060	0.5	0	105	80	120			
Iron	0.4952	mg/L	0.020	0.5	0	99.0	80	120			
Lead	0.4798	mg/L	0.0050	0.5	0	96.0	80	120			
Magnesium	50.37	mg/L	1.0	50.5	0	99.7	80	120			
Manganese	0.4816	mg/L	0.0020	0.5	0	96.3	80	120			
Potassium	52.99	mg/L	1.0	55	0.104	96.2	80	120			
Selenium	0.4781	mg/L	0.050	0.5	0	95.6	80	120			
Silver	0.5016	mg/L	0.0050	0.5	0	100	80	120			
Sodium	53.08	mg/L	1.0	50.5	0	105	80	120			
Zinc	0.4825	mg/L	0.050	0.5	0	96.5	80	120			
Sample ID: **LCSRR**		*LCS*				**Batch ID:**	**R37782**	**Analysis Date:**		3/16/2010 3:09:25 PM	
Arsenic	0.4982	mg/L	0.020	0.5	0	99.6	80	120			
Barium	0.4815	mg/L	0.020	0.5	0	96.3	80	120			
Cadmium	0.4962	mg/L	0.0020	0.5	0	99.2	80	120			
Calcium	50.14	mg/L	1.0	50.5	0	99.3	80	120			
Chromium	0.4893	mg/L	0.0060	0.5	0	97.9	80	120			
Copper	0.5273	mg/L	0.0060	0.5	0	105	80	120			
Iron	0.4887	mg/L	0.020	0.5	0	97.7	80	120			
Lead	0.4923	mg/L	0.0050	0.5	0	98.5	80	120			
Magnesium	50.49	mg/L	1.0	50.5	0	100	80	120			
Manganese	0.4821	mg/L	0.0020	0.5	0	96.4	80	120			
Potassium	52.68	mg/L	1.0	55	0.104	95.6	80	120			
Selenium	0.4994	mg/L	0.050	0.5	0	99.9	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003155

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCSRR		*LCS*				Batch ID: **R37782**		Analysis Date: 3/16/2010 3:09:25 PM			
Silver	0.4983	mg/L	0.0050	0.5	0	99.7	80	120			
Sodium	52.79	mg/L	1.0	50.5	0	105	80	120			
Zinc	0.4866	mg/L	0.050	0.5	0	97.3	80	120			
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-21599		*MBLK*				Batch ID: **21599**		Analysis Date: 3/15/2010 12:36:24 PM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-21599		*LCS*				Batch ID: **21599**		Analysis Date: 3/15/2010 12:39:22 PM			
Arsenic	0.5245	mg/L	0.020	0.5	0	105	80	120			
Barium	0.5077	mg/L	0.020	0.5	0	102	80	120			
Cadmium	0.5179	mg/L	0.0020	0.5	0	104	80	120			
Chromium	0.5159	mg/L	0.0060	0.5	0	103	80	120			
Copper	0.5693	mg/L	0.0060	0.5	0	114	80	120			
Iron	0.5048	mg/L	0.050	0.5	0	101	80	120			
Lead	0.5187	mg/L	0.0050	0.5	0	104	80	120			
Manganese	0.5101	mg/L	0.0020	0.5	0	102	80	120			
Selenium	0.4950	mg/L	0.050	0.5	0	99.0	80	120			
Silver	0.5332	mg/L	0.0050	0.5	0	107	80	120			
Zinc	0.4947	mg/L	0.020	0.5	0	98.9	80	120			
Sample ID: LCS-21599		*LCS*				Batch ID: **21599**		Analysis Date: 3/15/2010 12:42:29 PM			
Arsenic	0.5289	mg/L	0.020	0.5	0	106	80	120			
Barium	0.5096	mg/L	0.020	0.5	0	102	80	120			
Cadmium	0.5204	mg/L	0.0020	0.5	0	104	80	120			
Chromium	0.5164	mg/L	0.0060	0.5	0	103	80	120			
Copper	0.5676	mg/L	0.0060	0.5	0	114	80	120			
Iron	0.5019	mg/L	0.050	0.5	0	100	80	120			
Lead	0.5193	mg/L	0.0050	0.5	0	104	80	120			
Manganese	0.5102	mg/L	0.0020	0.5	0	102	80	120			
Selenium	0.4976	mg/L	0.050	0.5	0	99.5	80	120			
Silver	0.5312	mg/L	0.0050	0.5	0	106	80	120			
Zinc	0.4989	mg/L	0.020	0.5	0	99.8	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 3/4/2010

Work Order Number 1003153 | Received by: ARS

Checklist completed by: _____ 3/4/10 | Sample ID labels checked by: AT

Signature | Date | Initials

Matrix: | Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	3.1°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 5

(<2 >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722-0210
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other ____
☐ EDD (Type) ____

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 1ST QTR 2010
Project #: GWM-1
Project Manager: C. Rajen
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 3°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1003153	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC Metals (Total)	WQCC Metals (Diss.)	Anions, Cations	Air Bubbles (Y or N)
3/3/10	1120	H2O	GWM-1	40mL VOA	3 HCl	-1										X					
				40mL (3)	HCl	-1			X												
				500mL (2)	HNO3	-1												X			
				125mL (2)	HNO3	-1													X		
				125mL (1)	H2SO4	-1														X	
				250mL (1)	None	-1														X	
			Trip Blank			-2															

Date: 3/3/10 Time: 1205 Relinquished by:
Date: Time: Relinquished by:

Received by: Date 3/5/10 Time 12:30
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.

GWM-1
Annual

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Friday, August 06, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual

Order No.: 1007794

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 7/22/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

For Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

1 - MW-1

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: GWM-1
Lab Order: 1007794
Collection Date: 7/20/2010 9:53:00 AM
Project: 2010 Annual
Date Received: 7/22/2010
Lab ID: 1007794-01
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	2.9	0.50		mg/L	5	7/22/2010 9:11:17 PM
Chloride	1500	50		mg/L	100	7/24/2010 7:49:06 AM
Bromide	2.6	0.50		mg/L	5	7/22/2010 9:11:17 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	7/24/2010 10:25:46 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	7/22/2010 9:11:17 PM
Sulfate	57	2.5		mg/L	5	7/22/2010 9:11:17 PM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	8/3/2010 6:02:24 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: SNV
Arsenic	0.15	0.020		mg/L	1	8/2/2010 11:11:49 AM
Barium	1.1	0.10		mg/L	5	8/2/2010 11:30:47 AM
Cadmium	ND	0.0020		mg/L	1	8/2/2010 11:11:49 AM
Calcium	310	5.0		mg/L	5	8/2/2010 11:30:47 AM
Chromium	ND	0.0060		mg/L	1	8/2/2010 11:11:49 AM
Copper	ND	0.0060		mg/L	1	8/2/2010 11:11:49 AM
Iron	14	0.40		mg/L	20	8/2/2010 1:08:03 PM
Lead	0.0056	0.0050		mg/L	1	8/2/2010 11:11:49 AM
Magnesium	70	1.0		mg/L	1	8/2/2010 11:11:49 AM
Manganese	2.9	0.010		mg/L	5	8/2/2010 11:30:47 AM
Potassium	3.1	1.0		mg/L	1	8/2/2010 11:11:49 AM
Selenium	ND	0.050		mg/L	1	8/2/2010 11:11:49 AM
Silver	ND	0.0050		mg/L	1	8/2/2010 11:11:49 AM
Sodium	1200	20		mg/L	20	8/2/2010 1:08:03 PM
Zinc	ND	0.050		mg/L	1	8/2/2010 11:11:49 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Arsenic	0.16	0.020		mg/L	1	7/28/2010 12:00:58 PM
Barium	1.2	0.10		mg/L	5	7/28/2010 12:05:00 PM
Cadmium	ND	0.0020		mg/L	1	7/28/2010 12:00:58 PM
Chromium	ND	0.0060		mg/L	1	7/28/2010 12:00:58 PM
Copper	0.019	0.0060		mg/L	1	7/28/2010 12:00:58 PM
Iron	20	2.5		mg/L	50	7/28/2010 2:07:42 PM
Lead	0.011	0.0050		mg/L	1	7/28/2010 12:00:58 PM
Manganese	3.0	0.010		mg/L	5	7/28/2010 12:05:00 PM
Selenium	ND	0.050		mg/L	1	7/28/2010 12:00:58 PM
Silver	ND	0.0050		mg/L	1	7/28/2010 12:00:58 PM
Zinc	0.031	0.020		mg/L	1	7/28/2010 12:00:58 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1007794	**Collection Date:**	7/20/2010 9:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Acenaphthene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Acenaphthylene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Aniline	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Anthracene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Azobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benz(a)anthracene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benzo(a)pyrene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benzoic acid	ND	20		µg/L	1	7/28/2010 4:13:36 PM
Benzyl alcohol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Butyl benzyl phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Carbazole	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Chloroaniline	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Chloronaphthalene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Chlorophenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Chrysene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Di-n-butyl phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Di-n-octyl phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Dibenzofuran	ND	10		µg/L	1	7/28/2010 4:13:36 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Diethyl phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Dimethyl phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2,4-Dichlorophenol	ND	20		µg/L	1	7/28/2010 4:13:36 PM
2,4-Dimethylphenol	52	10		µg/L	1	7/28/2010 4:13:36 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/28/2010 4:13:36 PM
2,4-Dinitrophenol	ND	20		µg/L	1	7/28/2010 4:13:36 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 4:13:36 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1007794	**Collection Date:**	7/20/2010 9:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Fluoranthene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Fluorene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Hexachlorobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Hexachlorobutadiene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Hexachloroethane	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Isophorone	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Methylnaphthalene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Methylphenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
3+4-Methylphenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/28/2010 4:13:36 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	7/28/2010 4:13:36 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Naphthalene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Nitroaniline	ND	10		µg/L	1	7/28/2010 4:13:36 PM
3-Nitroaniline	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Nitroaniline	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Nitrobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Nitrophenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Nitrophenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Pentachlorophenol	ND	20		µg/L	1	7/28/2010 4:13:36 PM
Phenanthrene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Phenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Pyrene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Pyridine	ND	10		µg/L	1	7/28/2010 4:13:36 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Surr: 2,4,6-Tribromophenol	58.3	16.6-150		%REC	1	7/28/2010 4:13:36 PM
Surr: 2-Fluorobiphenyl	53.3	19.6-134		%REC	1	7/28/2010 4:13:36 PM
Surr: 2-Fluorophenol	46.0	9.54-113		%REC	1	7/28/2010 4:13:36 PM
Surr: 4-Terphenyl-d14	57.9	22.7-145		%REC	1	7/28/2010 4:13:36 PM
Surr: Nitrobenzene-d5	53.6	14.6-134		%REC	1	7/28/2010 4:13:36 PM
Surr: Phenol-d5	33.5	10.7-80.3		%REC	1	7/28/2010 4:13:36 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	8.0	1.0		µg/L	1	7/26/2010 3:40:24 PM
Toluene	2.0	1.0		µg/L	1	7/26/2010 3:40:24 PM
Ethylbenzene	6.8	1.0		µg/L	1	7/26/2010 3:40:24 PM
Methyl tert-butyl ether (MTBE)	77	1.0		µg/L	1	7/26/2010 3:40:24 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1007794	**Collection Date:**	7/20/2010 9:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	13	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Naphthalene	3.5	2.0		µg/L	1	7/26/2010 3:40:24 PM
1-Methylnaphthalene	7.2	4.0		µg/L	1	7/26/2010 3:40:24 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 3:40:24 PM
Acetone	12	10		µg/L	1	7/26/2010 3:40:24 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 3:40:24 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 3:40:24 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 3:40:24 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 3:40:24 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 3:40:24 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 3:40:24 PM
Isopropylbenzene	1.6	1.0		µg/L	1	7/26/2010 3:40:24 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 3:40:24 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
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- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1007794	**Collection Date:**	7/20/2010 9:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 3:40:24 PM
n-Butylbenzene	1.9	1.0		µg/L	1	7/26/2010 3:40:24 PM
n-Propylbenzene	1.5	1.0		µg/L	1	7/26/2010 3:40:24 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 3:40:24 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 3:40:24 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Xylenes, Total	30	1.5		µg/L	1	7/26/2010 3:40:24 PM
Surr: 1,2-Dichloroethane-d4	133	54.6-141		%REC	1	7/26/2010 3:40:24 PM
Surr: 4-Bromofluorobenzene	93.9	60.1-133		%REC	1	7/26/2010 3:40:24 PM
Surr: Dibromofluoromethane	132	78.5-130	S	%REC	1	7/26/2010 3:40:24 PM
Surr: Toluene-d8	97.6	79.5-126		%REC	1	7/26/2010 3:40:24 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	6400	0.010		µmhos/cm	1	7/27/2010 6:10:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.18	0.1	H	pH units	1	7/27/2010 6:10:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

[redacted]all Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:12:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	2.7	0.10		mg/L	1	7/22/2010 10:03:30 PM
Chloride	37	10		mg/L	20	7/22/2010 10:20:55 PM
Bromide	0.11	0.10		mg/L	1	7/22/2010 10:03:30 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	7/24/2010 10:08:21 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	7/22/2010 10:03:30 PM
Sulfate	290	10		mg/L	20	7/22/2010 10:20:55 PM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	8/3/2010 6:07:55 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/2/2010 11:20:19 AM
Barium	ND	0.020		mg/L	1	8/2/2010 11:20:19 AM
Cadmium	ND	0.0020		mg/L	1	8/2/2010 11:20:19 AM
Calcium	3.2	1.0		mg/L	1	8/2/2010 11:20:19 AM
[redacted]hromium	ND	0.0060		mg/L	1	8/2/2010 11:20:19 AM
[redacted]opper	ND	0.0060		mg/L	1	8/2/2010 11:20:19 AM
Iron	ND	0.020		mg/L	1	8/2/2010 11:20:19 AM
Lead	ND	0.0050		mg/L	1	8/2/2010 11:20:19 AM
Magnesium	ND	1.0		mg/L	1	8/2/2010 11:20:19 AM
Manganese	0.0094	0.0020		mg/L	1	8/2/2010 11:20:19 AM
Potassium	ND	1.0		mg/L	1	8/2/2010 11:20:19 AM
Selenium	ND	0.050		mg/L	1	8/2/2010 11:20:19 AM
Silver	ND	0.0050		mg/L	1	8/2/2010 11:20:19 AM
Sodium	310	5.0		mg/L	5	8/2/2010 11:34:56 AM
Zinc	ND	0.050		mg/L	1	8/2/2010 11:20:19 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/28/2010 12:32:56 PM
Barium	ND	0.020		mg/L	1	7/28/2010 12:32:56 PM
Cadmium	ND	0.0020		mg/L	1	7/28/2010 12:32:56 PM
Chromium	ND	0.0060		mg/L	1	7/28/2010 12:32:56 PM
Copper	ND	0.0060		mg/L	1	7/28/2010 12:32:56 PM
Iron	ND	0.050		mg/L	1	7/28/2010 12:32:56 PM
Lead	ND	0.0050		mg/L	1	7/28/2010 12:32:56 PM
Manganese	0.0083	0.0020		mg/L	1	7/28/2010 12:32:56 PM
Selenium	ND	0.050		mg/L	1	7/28/2010 12:32:56 PM
Silver	ND	0.0050		mg/L	1	7/28/2010 12:32:56 PM
Zinc	ND	0.020		mg/L	1	7/28/2010 12:32:56 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**

[redacted]ualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:12:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Acenaphthene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Acenaphthylene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Aniline	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Anthracene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Azobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benz(a)anthracene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benzo(a)pyrene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benzoic acid	ND	20		µg/L	1	7/28/2010 4:43:42 PM
Benzyl alcohol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Butyl benzyl phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Carbazole	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Chloroaniline	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2-Chloronaphthalene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2-Chlorophenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Chrysene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Di-n-butyl phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Di-n-octyl phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Dibenzofuran	ND	10		µg/L	1	7/28/2010 4:43:42 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Diethyl phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Dimethyl phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2,4-Dichlorophenol	ND	20		µg/L	1	7/28/2010 4:43:42 PM
2,4-Dimethylphenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/28/2010 4:43:42 PM
2,4-Dinitrophenol	ND	20		µg/L	1	7/28/2010 4:43:42 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 4:43:42 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:12:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Fluoranthene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Fluorene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Hexachlorobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Hexachlorobutadiene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Hexachloroethane	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Isophorone	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2-Methylnaphthalene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2-Methylphenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
3+4-Methylphenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/28/2010 4:43:42 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	7/28/2010 4:43:42 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Naphthalene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
[redacted]Nitroaniline	ND	10		µg/L	1	7/28/2010 4:43:42 PM
[redacted]Nitroaniline	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Nitroaniline	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Nitrobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2-Nitrophenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Nitrophenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Pentachlorophenol	ND	20		µg/L	1	7/28/2010 4:43:42 PM
Phenanthrene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Phenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Pyrene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Pyridine	ND	10		µg/L	1	7/28/2010 4:43:42 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Surr: 2,4,6-Tribromophenol	61.3	16.6-150		%REC	1	7/28/2010 4:43:42 PM
Surr: 2-Fluorobiphenyl	47.8	19.6-134		%REC	1	7/28/2010 4:43:42 PM
Surr: 2-Fluorophenol	42.9	9.54-113		%REC	1	7/28/2010 4:43:42 PM
Surr: 4-Terphenyl-d14	81.3	22.7-145		%REC	1	7/28/2010 4:43:42 PM
Surr: Nitrobenzene-d5	47.7	14.6-134		%REC	1	7/28/2010 4:43:42 PM
Surr: Phenol-d5	35.4	10.7-80.3		%REC	1	7/28/2010 4:43:42 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM

[redacted]ualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:12:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 4:59:33 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 4:59:33 PM
Acetone	ND	10		µg/L	1	7/26/2010 4:59:33 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 4:59:33 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 4:59:33 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 4:59:33 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 4:59:33 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:12:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 4:59:33 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
[redacted]ichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
[redacted]chlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 4:59:33 PM
Surr: 1,2-Dichloroethane-d4	122	54.6-141		%REC	1	7/26/2010 4:59:33 PM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	7/26/2010 4:59:33 PM
Surr: Dibromofluoromethane	128	78.5-130		%REC	1	7/26/2010 4:59:33 PM
Surr: Toluene-d8	89.2	79.5-126		%REC	1	7/26/2010 4:59:33 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1400	0.010		µmhos/cm	1	7/27/2010 6:40:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.66	0.1	H	pH units	1	7/27/2010 6:40:00 PM

[redacted]alifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	1.8	0.10		mg/L	1	7/22/2010 10:38:19 PM
Chloride	32	10		mg/L	20	7/22/2010 10:55:44 PM
Bromide	0.82	0.10		mg/L	1	7/22/2010 10:38:19 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	7/29/2010 8:04:05 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	7/22/2010 10:38:19 PM
Sulfate	160	10		mg/L	20	7/22/2010 10:55:44 PM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	8/3/2010 6:09:47 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/2/2010 11:24:37 AM
Barium	0.047	0.020		mg/L	1	8/2/2010 11:24:37 AM
Cadmium	ND	0.0020		mg/L	1	8/2/2010 11:24:37 AM
Calcium	14	1.0		mg/L	1	8/2/2010 11:24:37 AM
Chromium	ND	0.0060		mg/L	1	8/2/2010 11:24:37 AM
Copper	ND	0.0060		mg/L	1	8/2/2010 11:24:37 AM
Iron	0.14	0.020		mg/L	1	8/2/2010 11:24:37 AM
Lead	ND	0.0050		mg/L	1	8/2/2010 11:24:37 AM
Magnesium	3.1	1.0		mg/L	1	8/2/2010 11:24:37 AM
Manganese	0.22	0.0020		mg/L	1	8/2/2010 11:24:37 AM
Potassium	1.2	1.0		mg/L	1	8/2/2010 11:24:37 AM
Selenium	ND	0.050		mg/L	1	8/2/2010 11:24:37 AM
Silver	ND	0.0050		mg/L	1	8/2/2010 11:24:37 AM
Sodium	580	10		mg/L	10	8/2/2010 1:20:09 PM
Zinc	ND	0.050		mg/L	1	8/2/2010 11:24:37 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/28/2010 12:40:17 PM
Barium	0.047	0.020		mg/L	1	7/28/2010 12:40:17 PM
Cadmium	ND	0.0020		mg/L	1	7/28/2010 12:40:17 PM
Chromium	ND	0.0060		mg/L	1	7/28/2010 12:40:17 PM
Copper	ND	0.0060		mg/L	1	7/28/2010 12:40:17 PM
Iron	0.16	0.050		mg/L	1	7/28/2010 12:40:17 PM
Lead	ND	0.0050		mg/L	1	7/28/2010 12:40:17 PM
Manganese	0.20	0.0020		mg/L	1	7/28/2010 12:40:17 PM
Selenium	ND	0.050		mg/L	1	7/28/2010 12:40:17 PM
Silver	ND	0.0050		mg/L	1	7/28/2010 12:40:17 PM
Zinc	ND	0.020		mg/L	1	7/28/2010 12:40:17 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Acenaphthene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Acenaphthylene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Aniline	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Anthracene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Azobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benz(a)anthracene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benzo(a)pyrene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benzoic acid	ND	20		µg/L	1	7/28/2010 5:13:38 PM
Benzyl alcohol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Butyl benzyl phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Carbazole	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Chloroaniline	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Chloronaphthalene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Chlorophenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Chrysene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Di-n-butyl phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Di-n-octyl phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Dibenzofuran	ND	10		µg/L	1	7/28/2010 5:13:38 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Diethyl phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Dimethyl phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2,4-Dichlorophenol	ND	20		µg/L	1	7/28/2010 5:13:38 PM
2,4-Dimethylphenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/28/2010 5:13:38 PM
2,4-Dinitrophenol	ND	20		µg/L	1	7/28/2010 5:13:38 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 5:13:38 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Fluoranthene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Fluorene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Hexachlorobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Hexachlorobutadiene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Hexachloroethane	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Isophorone	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Methylnaphthalene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Methylphenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
3+4-Methylphenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/28/2010 5:13:38 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	7/28/2010 5:13:38 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Naphthalene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Nitroaniline	ND	10		µg/L	1	7/28/2010 5:13:38 PM
3-Nitroaniline	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Nitroaniline	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Nitrobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Nitrophenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Nitrophenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Pentachlorophenol	ND	20		µg/L	1	7/28/2010 5:13:38 PM
Phenanthrene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Phenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Pyrene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Pyridine	ND	10		µg/L	1	7/28/2010 5:13:38 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Surr: 2,4,6-Tribromophenol	68.1	16.6-150		%REC	1	7/28/2010 5:13:38 PM
Surr: 2-Fluorobiphenyl	65.7	19.6-134		%REC	1	7/28/2010 5:13:38 PM
Surr: 2-Fluorophenol	60.3	9.54-113		%REC	1	7/28/2010 5:13:38 PM
Surr: 4-Terphenyl-d14	76.1	22.7-145		%REC	1	7/28/2010 5:13:38 PM
Surr: Nitrobenzene-d5	67.7	14.6-134		%REC	1	7/28/2010 5:13:38 PM
Surr: Phenol-d5	43.9	10.7-80.3		%REC	1	7/28/2010 5:13:38 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 5:25:44 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 5:25:44 PM
Acetone	ND	10		µg/L	1	7/26/2010 5:25:44 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 5:25:44 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 5:25:44 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 5:25:44 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 5:25:44 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 5:25:44 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 5:25:44 PM
Surr: 1,2-Dichloroethane-d4	124	54.6-141		%REC	1	7/26/2010 5:25:44 PM
Surr: 4-Bromofluorobenzene	105	60.1-133		%REC	1	7/26/2010 5:25:44 PM
Surr: Dibromofluoromethane	124	78.5-130		%REC	1	7/26/2010 5:25:44 PM
Surr: Toluene-d8	93.9	79.5-126		%REC	1	7/26/2010 5:25:44 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	2200	0.010		µmhos/cm	1	7/27/2010 6:58:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.17	0.1	H	pH units	1	7/27/2010 6:58:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

[redacted]ll Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007794	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 5:52:09 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 5:52:09 PM
Acetone	ND	10		µg/L	1	7/26/2010 5:52:09 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
[redacted]romomethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
[redacted]Butanone	ND	10		µg/L	1	7/26/2010 5:52:09 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 5:52:09 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM

[redacted]ualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007794	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/26/2010 5:52:09 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 5:52:09 PM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 5:52:09 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 5:52:09 PM
Surr: 1,2-Dichloroethane-d4	125	54.6-141		%REC	1	7/26/2010 5:52:09 PM
Surr: 4-Bromofluorobenzene	102	60.1-133		%REC	1	7/26/2010 5:52:09 PM
Surr: Dibromofluoromethane	125	78.5-130		%REC	1	7/26/2010 5:52:09 PM
Surr: Toluene-d8	89.9	79.5-126		%REC	1	7/26/2010 5:52:09 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

[redacted]all Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007794	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 6:18:22 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 6:18:22 PM
Acetone	ND	10		µg/L	1	7/26/2010 6:18:22 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
[redacted]romomethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
[redacted]-Butanone	ND	10		µg/L	1	7/26/2010 6:18:22 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 6:18:22 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM

[redacted]ualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007794	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/26/2010 6:18:22 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 6:18:22 PM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 6:18:22 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 6:18:22 PM
Surr: 1,2-Dichloroethane-d4	127	54.6-141		%REC	1	7/26/2010 6:18:22 PM
Surr: 4-Bromofluorobenzene	106	60.1-133		%REC	1	7/26/2010 6:18:22 PM
Surr: Dibromofluoromethane	126	78.5-130		%REC	1	7/26/2010 6:18:22 PM
Surr: Toluene-d8	95.7	79.5-126		%REC	1	7/26/2010 6:18:22 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007794
Lab ID: B10072228-001
Client Sample ID 1007794-01E & -01G GWM-1

Report Date: 08/03/10
Collection Date: 07/20/10 09:53
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.011	mg/L		0.001		SW6020	08/02/10 21:12 / tao
METALS, TOTAL							
Uranium	0.011	mg/L		0.001		SW6020	07/31/10 11:58 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007794
Lab ID: B10072228-002
Client Sample ID 1007794-02E & -02G BW-1C

Report Date: 08/03/10
Collection Date: 07/20/10 11:12
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.003	mg/L		0.001		SW6020	08/02/10 21:16 / tao
METALS, TOTAL							
Uranium	0.003	mg/L		0.001		SW6020	07/31/10 12:03 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007794
Lab ID: B10072228-003
Client Sample ID 1007794-03E & -03G BW-2B

Report Date: 08/03/10
Collection Date: 07/20/10 11:53
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.012	mg/L		0.001		SW6020	08/02/10 21:36 / tao
METALS, TOTAL							
Uranium	0.012	mg/L		0.001		SW6020	07/31/10 12:07 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				**Batch ID:**	**R39986**	**Analysis Date:**	**7/22/2010 10:09:45 AM**		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				**Batch ID:**	**R40089**	**Analysis Date:**	**7/28/2010 9:45:23 AM**		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS-b		*LCS*				**Batch ID:**	**R39986**	**Analysis Date:**	**7/22/2010 1:38:41 PM**		
Fluoride	0.5457	mg/L	0.10	0.5	0	109	90	110			
Chloride	5.038	mg/L	0.50	5	0	101	90	110			
Bromide	2.547	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.565	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.003	mg/L	0.50	5	0	100	90	110			
Sulfate	10.17	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				**Batch ID:**	**R40089**	**Analysis Date:**	**7/28/2010 10:02:47 AM**		
Fluoride	0.5500	mg/L	0.10	0.5	0	110	90	110			
Chloride	5.162	mg/L	0.50	5	0	103	90	110			
Bromide	2.643	mg/L	0.10	2.5	0	106	90	110			
Nitrate (As N)+Nitrite (As N)	3.638	mg/L	0.20	3.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.077	mg/L	0.50	5	0	102	90	110			
Sulfate	10.47	mg/L	0.50	10	0	105	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Method: EPA Method 8260B: VOLATILES
Sample ID: b2 *MBLK* Batch ID: R40039 Analysis Date: 7/26/2010 9:32:51 AM

Analyte	Result	Units	PQL	SPK Va	SPK ref	%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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*					Batch ID: **R40039**		Analysis Date:	7/26/2010 9:32:51 AM	
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b6		*MBLK*					Batch ID: **R40039**		Analysis Date:	7/26/2010 7:37:36 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b6		*MBLK*				Batch ID: **R40039**		Analysis Date:	7/26/2010 7:37:36 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-D[illegible]ropropene	ND	µg/L	1.0								
Hexa[illegible]obutadiene	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: **R40039**		Analysis Date:	7/26/2010 10:25:19 AM		

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R40039**	Analysis Date:	7/26/2010 10:25:19 AM		
Benzene	19.06	µg/L	1.0	20	0	95.3	82.4	116			
Toluene	22.82	µg/L	1.0	20	0	114	89.5	123			
Chlorobenzene	21.00	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	21.41	µg/L	1.0	20	0	107	90.3	138			
Trichloroethene (TCE)	17.98	µg/L	1.0	20	0	89.9	64	129			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23145		*MBLK*				Batch ID: **23145**		Analysis Date: 7/28/2010 12:10:57 PM			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl[redacted]yl phthalate	ND	µg/L	10								
Carb[redacted]	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								
Hexa[redacted]lorobenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23145		*MBLK*				Batch ID: **23145**		Analysis Date: 7/28/2010 12:10:57 PM			
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	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-23145		*LCS*				Batch ID: **23145**		Analysis Date: 7/28/2010 12:41:12 PM			
Acenaphthene	55.44	µg/L	10	100	0	55.4	29.3	113			
4-Chloro-3-methylphenol	145.2	µg/L	10	200	0	72.6	23.3	123			
2-Chlorophenol	107.1	µg/L	10	200	0	53.5	23.9	112			
1,4-Dichlorobenzene	48.70	µg/L	10	100	0	48.7	16.5	106			
2,4-Dinitrotoluene	55.86	µg/L	10	100	0	55.9	27.7	126			
N-Nitrosodi-n-propylamine	55.72	µg/L	10	100	0	55.7	25.9	113			
4-Nitrophenol	42.36	µg/L	10	200	0	21.2	13.2	76.7			
Pentachlorophenol	62.22	µg/L	20	200	0	31.1	22.4	121			
Phenol	75.82	µg/L	10	200	0	37.9	15.3	68.3			
Pyrene	69.98	µg/L	10	100	0	70.0	23.5	119			
1,2,4-Trichlorobenzene	55.30	µg/L	10	100	0	55.3	23	107			
Sample ID: lcsd-23145		*LCSD*				Batch ID: **23145**		Analysis Date: 7/28/2010 1:11:30 PM			
Acenaphthene	67.22	µg/L	10	100	0	67.2	29.3	113	19.2	30.5	
4-Chloro-3-methylphenol	165.0	µg/L	10	200	0	82.5	23.3	123	12.8	28.6	
2-Chlorophenol	122.1	µg/L	10	200	0	61.1	23.9	112	13.1	107	
1,4-Dichlorobenzene	55.38	µg/L	10	100	0	55.4	16.5	106	12.8	62.1	
2,4-Dinitrotoluene	70.64	µg/L	10	100	0	70.8	27.7	126	23.6	14.7	R

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23145		*LCSD*				Batch ID:	**23145**	Analysis Date:		7/28/2010 1:11:30 PM	
N-Nitrosodi-n-propylamine	63.60	µg/L	10	100	0	63.6	25.9	113	13.2	30.3	
4-Nitrophenol	52.54	µg/L	10	200	0	26.3	13.2	76.7	21.5	36.3	
Pentachlorophenol	69.78	µg/L	20	200	0	34.9	22.4	121	11.5	49	
Phenol	86.12	µg/L	10	200	0	43.1	15.3	68.3	12.7	52.4	
Pyrene	83.48	µg/L	10	100	0	83.5	23.5	119	17.6	16.3	R
1,2,4-Trichlorobenzene	55.46	µg/L	10	100	0	55.5	23	107	0.289	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-23244		*MBLK*				Batch ID:	**23244**	Analysis Date:		8/3/2010 5:51:32 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23244		*LCS*				Batch ID:	**23244**	Analysis Date:		8/3/2010 5:53:19 PM	
Mercury	0.005037	mg/L	0.00020	0.005	3E-05	100	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID: R40153**		**Analysis Date:**	8/2/2010 10:47:27 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				**Batch ID: R40153**		**Analysis Date:**	8/2/2010 11:08:27 AM		
Arsenic	0.5157	mg/L	0.020	0.5	0	103	80	120			
Barium	0.4815	mg/L	0.020	0.5	0	96.3	80	120			
Cadmium	0.4925	mg/L	0.0020	0.5	0	98.5	80	120			
Calcium	54.46	mg/L	1.0	50.5	0	108	80	120			
Chromium	0.4882	mg/L	0.0060	0.5	0	97.6	80	120			
Copper	0.5015	mg/L	0.0060	0.5	0	100	80	120			
Iron	0.4955	mg/L	0.020	0.5	0	99.1	80	120			
Lead	0.4927	mg/L	0.0050	0.5	0	98.5	80	120			
Magnesium	53.90	mg/L	1.0	50.5	0	107	80	120			
Manganese	0.4768	mg/L	0.0020	0.5	0	95.4	80	120			
Potassium	55.96	mg/L	1.0	55	0	102	80	120			
Selenium	0.4820	mg/L	0.050	0.5	0	96.4	80	120			
Silver	0.4936	mg/L	0.0050	0.5	0	98.7	80	120			
Sodium	56.82	mg/L	1.0	50.5	0	113	80	120			
Zinc	0.4950	mg/L	0.050	0.5	0	99.0	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23167		*MBLK*				Batch ID:	**23167**	Analysis Date:	7/28/2010 9:34:59 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23167		*LCS*				Batch ID:	**23167**	Analysis Date:	7/28/2010 9:37:56 AM		
Arsenic	0.5549	mg/L	0.020	0.5	0	111	80	120			
Barium	0.5173	mg/L	0.020	0.5	0	103	80	120			
Cadmium	0.5313	mg/L	0.0020	0.5	0	106	80	120			
Chromium	0.5310	mg/L	0.0060	0.5	0	106	80	120			
Copper	0.5735	mg/L	0.0060	0.5	0	115	80	120			
Iron	0.5442	mg/L	0.050	0.5	0	109	80	120			
Lead	0.5263	mg/L	0.0050	0.5	0	105	80	120			
Manganese	0.5130	mg/L	0.0020	0.5	0.0001	103	80	120			
Selenium	0.5322	mg/L	0.050	0.5	0	106	80	120			
Silver	0.5318	mg/L	0.0050	0.5	0.0006	106	80	120			
Zinc	0.5118	mg/L	0.020	0.5	0	102	80	120			
Sample ID: LCS-23167		*LCS*				Batch ID:	**23167**	Analysis Date:	7/28/2010 9:41:04 AM		
Arsenic	0.5466	mg/L	0.020	0.5	0	109	80	120			
Barium	0.5162	mg/L	0.020	0.5	0	103	80	120			
Cadmium	0.5208	mg/L	0.0020	0.5	0	104	80	120			
Chromium	0.5297	mg/L	0.0060	0.5	0	106	80	120			
Copper	0.5689	mg/L	0.0060	0.5	0	114	80	120			
Iron	0.5344	mg/L	0.050	0.5	0	107	80	120			
Lead	0.5185	mg/L	0.0050	0.5	0	104	80	120			
Manganese	0.5118	mg/L	0.0020	0.5	0.0001	102	80	120			
Selenium	0.5353	mg/L	0.050	0.5	0	107	80	120			
Silver	0.5291	mg/L	0.0050	0.5	0.0006	106	80	120			
Zinc	0.5095	mg/L	0.020	0.5	0	102	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC Summary Report

Client: Hall Environmental
Project: 1007794

Report Date: 08/03/10
Work Order: B10072228

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_100802A	
Sample ID: QCS - 100607A,10042		Initial Calibration Verification Standard								08/02/10 11:08
Uranium		0.0197	mg/L	0.00030	99	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								08/02/10 11:12
Uranium		9.00E-06	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB								08/02/10 11:16
Uranium		6.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R151662
Sample ID: LRB		Method Blank				Run: ICPMS202-B_100802A				08/02/10 11:56
Uranium		ND	mg/L	2E-05						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_100802A				08/02/10 12:01
Uranium		0.0460	mg/L	0.00030	92	85	115			
Sample ID: B10072227-002ADIL		Serial Dilution				Run: ICPMS202-B_100802A				08/02/10 21:08
Uranium		0.00549	mg/L	0.0010		0	0			
Sample ID: B10072227-001AMS		Sample Matrix Spike				Run: ICPMS202-B_100802A				08/02/10 22:08
Uranium		0.0488	mg/L	0.0010	97	75	125			
Sample ID: B10072227-001AMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_100802A				08/02/10 22:12
Uranium		0.0483	mg/L	0.0010	97	75	125	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1007794

Report Date: 08/03/10
Work Order: B10072228

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_100730B	
Sample ID: QCS-100607A,100420		Initial Calibration Verification Standard							07/30/10 21:41	
Uranium		0.0190	mg/L	0.00030	95	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							07/31/10 10:46	
Uranium		0.000143	mg/L	0.00030						
Sample ID: ICSAB-ME091229B,09		Interference Check Sample AB							07/31/10 10:50	
Uranium		3.00E-05	mg/L	0.00030		0	0			
Method: SW6020									Batch: 47911	
Sample ID: MB-47911		Method Blank				Run: ICPMS203-B_100730B			07/31/10 11:22	
Uranium		5E-05	mg/L	4E-06						
Sample ID: B10072227-001BDIL		Serial Dilution				Run: ICPMS203-B_100730B			07/31/10 11:49	
Uranium		0.000153	mg/L	0.0010		0	0		10	N
Sample ID: LCS5-47911		Laboratory Control Sample				Run: ICPMS203-B_100730B			07/31/10 12:21	
Uranium		0.545	mg/L	0.0010	109	85	115			
Sample ID: B10072227-001BPDS1		Post Digestion/Distillation Spike				Run: ICPMS203-B_100730B			07/31/10 12:25	
[illegible]nium		0.0474	mg/L	0.0010	95	75	125			
[illegible]mple ID: B10072227-001BMS5		Sample Matrix Spike				Run: ICPMS203-B_100730B			07/31/10 12:48	
Uranium		0.547	mg/L	0.0010	109	75	125			
Sample ID: B10072227-001BMSD5		Sample Matrix Spike Duplicate				Run: ICPMS203-B_100730B			07/31/10 12:52	
Uranium		0.550	mg/L	0.0010	110	75	125	0.6	20	

[illegible]ualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **7/22/2010**

Work Order Number **1007794** Received by: **ARS**

Checklist completed by: _____ Signature 7/22/10 Date Sample ID labels checked by: _____ Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☑	N/A ☐	
Container/Temp Blank temperature?	-0.9°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 13

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1 ml HNO_3 to total metals bottle (1007794-1) for acceptable ph. 7/22

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2010 Annual

Project #: GWM-1, BW wells

Project Manager: Johnson

Sampler: Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1007194	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	WDCC Metals - Total	WDCC Metals - Diss	Gen Chem		Air Bubbles (Y or N)
7/20/10	0953	H2O	GWM-1			1										X	X	X	X	X		
	1112	/	BW-1C			2										"	"	"	"	"		
	1153	/	BW-2B			3										"	"	"	"	"		
			Field Blank			4																
			Trip Blank			5																

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks:
7/20/10	0905			7/22/10	10:50	Gen Chem: Cations, Anions, pH, Spec Cond.
Date:	Time:	Relinquished by:	Received by:	Date	Time	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

GWM-1,2,3

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, October 08, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 3rd Qtr 2010

Order No.: 1009838

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 9/17/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107

E, S, I - MW-1

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1009838	**Collection Date:**	9/16/2010 10:21:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	7.7	1.0		mg/L	1	9/21/2010 2:19:06 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2010 2:19:06 AM
Surr: DNOP	125	86.9-151		%REC	1	9/21/2010 2:19:06 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.71	0.050		mg/L	1	9/28/2010 5:36:34 PM
Surr: BFB	854	79.9-117	S	%REC	1	9/28/2010 5:36:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	2.9	1.0		mg/L	10	9/27/2010 2:58:34 PM
Chloride	1400	100		mg/L	200	9/28/2010 8:05:49 AM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	9/30/2010 1:23:19 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	9/27/2010 2:58:34 PM
Sulfate	48	5.0		mg/L	10	9/27/2010 2:58:34 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:24:28 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	0.12	0.10		mg/L	5	10/1/2010 1:36:50 PM
Barium	1.2	0.10		mg/L	5	10/1/2010 1:36:50 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 1:32:53 PM
Calcium	310	5.0		mg/L	5	10/1/2010 1:36:50 PM
Chromium	ND	0.0060		mg/L	1	10/1/2010 1:32:53 PM
Copper	0.0087	0.0060		mg/L	1	10/1/2010 1:32:53 PM
Iron	15	0.40		mg/L	20	10/4/2010 1:07:27 PM
Lead	0.0086	0.0050		mg/L	1	10/1/2010 1:32:53 PM
Magnesium	76	1.0		mg/L	1	10/1/2010 1:32:53 PM
Manganese	2.9	0.010		mg/L	5	10/1/2010 1:36:50 PM
Potassium	2.8	1.0		mg/L	1	10/1/2010 1:32:53 PM
Selenium	ND	0.25		mg/L	5	10/1/2010 1:36:50 PM
Silver	ND	0.0050		mg/L	1	10/1/2010 1:32:53 PM
Sodium	1200	20		mg/L	20	10/4/2010 1:07:27 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	0.12	0.020		mg/L	1	9/30/2010 9:33:09 PM
Barium	0.87	0.020		mg/L	1	9/30/2010 9:33:09 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 9:33:09 PM
Chromium	ND	0.0060		mg/L	1	9/30/2010 9:33:09 PM
Copper	0.0098	0.0060		mg/L	1	9/30/2010 9:33:09 PM
Iron	15	1.0		mg/L	20	10/4/2010 1:01:55 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1009838	**Collection Date:**	9/16/2010 10:21:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Lead	0.012	0.0050		mg/L	1	9/30/2010 9:33:09 PM
Manganese	2.9	0.010		mg/L	5	10/1/2010 12:45:38 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 9:33:09 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 9:33:09 PM
Zinc	0.023	0.020		mg/L	1	9/30/2010 9:33:09 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	7.5	1.0		µg/L	1	9/28/2010 3:31:22 PM
Toluene	4.9	1.0		µg/L	1	9/28/2010 3:31:22 PM
Ethylbenzene	6.7	1.0		µg/L	1	9/28/2010 3:31:22 PM
Methyl tert-butyl ether (MTBE)	53	1.5		µg/L	1	9/28/2010 3:31:22 PM
1,2,4-Trimethylbenzene	12	1.0		µg/L	1	9/28/2010 3:31:22 PM
1,3,5-Trimethylbenzene	1.9	1.0		µg/L	1	9/28/2010 3:31:22 PM
Xylenes, Total	30	3.0		µg/L	1	9/28/2010 3:31:22 PM
Surr: 1,2-Dichloroethane-d4	74.4	54.6-141		%REC	1	9/28/2010 3:31:22 PM
Surr: 4-Bromofluorobenzene	91.6	60.1-133		%REC	1	9/28/2010 3:31:22 PM
Surr: Dibromofluoromethane	81.6	78.5-130		%REC	1	9/28/2010 3:31:22 PM
Surr: Toluene-d8	102	79.5-126		%REC	1	9/28/2010 3:31:22 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	1009838	**Collection Date:**	9/16/2010 10:48:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/21/2010 2:53:00 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2010 2:53:00 AM
Surr: DNOP	142	86.9-151		%REC	1	9/21/2010 2:53:00 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 6:34:38 PM
Surr: BFB	190	79.9-117	S	%REC	1	9/28/2010 6:34:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.46	0.10		mg/L	1	10/5/2010 6:26:01 AM
Chloride	1400	50		mg/L	100	9/28/2010 8:40:38 AM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	9/30/2010 1:40:43 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	9/27/2010 3:15:59 PM
Sulfate	700	10		mg/L	20	9/28/2010 8:23:13 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Calcium	430	5.0		mg/L	5	10/1/2010 1:44:54 PM
Magnesium	76	1.0		mg/L	1	10/1/2010 1:40:44 PM
Potassium	3.2	1.0		mg/L	1	10/1/2010 1:40:44 PM
Sodium	950	10		mg/L	10	10/4/2010 1:11:53 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	9/28/2010 4:28:06 PM
Toluene	ND	1.0		µg/L	1	9/28/2010 4:28:06 PM
Ethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:28:06 PM
Methyl tert-butyl ether (MTBE)	11	1.5		µg/L	1	9/28/2010 4:28:06 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:28:06 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:28:06 PM
Xylenes, Total	ND	3.0		µg/L	1	9/28/2010 4:28:06 PM
Surr: 1,2-Dichloroethane-d4	82.4	54.6-141		%REC	1	9/28/2010 4:28:06 PM
Surr: 4-Bromofluorobenzene	92.6	60.1-133		%REC	1	9/28/2010 4:28:06 PM
Surr: Dibromofluoromethane	87.9	78.5-130		%REC	1	9/28/2010 4:28:06 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	9/28/2010 4:28:06 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
POL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-3
Lab Order:	1009838	**Collection Date:**	9/16/2010 11:14:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	3.7	1.0		mg/L	1	9/21/2010 3:27:06 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2010 3:27:06 AM
Surr: DNOP	126	86.9-151		%REC	1	9/21/2010 3:27:06 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.066	0.050		mg/L	1	9/28/2010 7:03:40 PM
Surr: BFB	178	79.9-117	S	%REC	1	9/28/2010 7:03:40 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	4.7	1.0		mg/L	10	9/27/2010 3:33:24 PM
Chloride	2000	100		mg/L	200	9/28/2010 9:15:27 AM
Nitrate (As N)+Nitrite (As N)	66	10		mg/L	50	9/30/2010 1:58:07 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	9/27/2010 3:33:24 PM
Sulfate	1500	25		mg/L	50	9/28/2010 8:58:02 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Calcium	540	20		mg/L	20	10/4/2010 1:14:41 PM
Magnesium	120	5.0		mg/L	5	10/1/2010 2:00:37 PM
Potassium	8.2	1.0		mg/L	1	10/1/2010 1:47:52 PM
Sodium	1400	20		mg/L	20	10/4/2010 1:14:41 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	9/28/2010 4:56:25 PM
Toluene	ND	1.0		µg/L	1	9/28/2010 4:56:25 PM
Ethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:56:25 PM
Methyl tert-butyl ether (MTBE)	9.0	1.5		µg/L	1	9/28/2010 4:56:25 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:56:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 4:56:25 PM
Xylenes, Total	ND	3.0		µg/L	1	9/28/2010 4:56:25 PM
Surr: 1,2-Dichloroethane-d4	83.3	54.6-141		%REC	1	9/28/2010 4:56:25 PM
Surr: 4-Bromofluorobenzene	88.5	60.1-133		%REC	1	9/28/2010 4:56:25 PM
Surr: Dibromofluoromethane	89.1	78.5-130		%REC	1	9/28/2010 4:56:25 PM
Surr: Toluene-d8	98.1	79.5-126		%REC	1	9/28/2010 4:56:25 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PILOT EFF
Lab Order:	1009838	**Collection Date:**	9/16/2010 11:44:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	5.3	1.0		mg/L	1	9/21/2010 4:01:12 AM
Motor Oil Range Organics (MRO)	5.9	5.0		mg/L	1	9/21/2010 4:01:12 AM
Surr: DNOP	136	86.9-151		%REC	1	9/21/2010 4:01:12 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 7:32:35 PM
Surr: BFB	102	79.9-117		%REC	1	9/28/2010 7:32:35 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:26:15 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/1/2010 2:06:12 PM
Barium	0.022	0.020		mg/L	1	10/1/2010 2:06:12 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 2:06:12 PM
Calcium	140	5.0		mg/L	5	10/1/2010 2:10:11 PM
Chromium	ND	0.0060		mg/L	1	10/1/2010 2:06:12 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 2:06:12 PM
Iron	0.30	0.020		mg/L	1	10/1/2010 2:06:12 PM
Lead	ND	0.0050		mg/L	1	10/1/2010 2:06:12 PM
Magnesium	30	1.0		mg/L	1	10/1/2010 2:06:12 PM
Manganese	0.057	0.0020		mg/L	1	10/1/2010 2:06:12 PM
Potassium	18	1.0		mg/L	1	10/1/2010 2:06:12 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 2:06:12 PM
Silver	ND	0.0050		mg/L	1	10/4/2010 1:17:25 PM
Sodium	240	5.0		mg/L	5	10/1/2010 2:10:11 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	1	9/30/2010 9:37:07 PM
Barium	ND	0.10		mg/L	1	9/30/2010 9:37:07 PM
Cadmium	ND	0.010		mg/L	1	9/30/2010 9:37:07 PM
Chromium	ND	0.030		mg/L	1	9/30/2010 9:37:07 PM
Copper	ND	0.030		mg/L	1	9/30/2010 9:37:07 PM
Iron	3.2	0.25		mg/L	1	9/30/2010 9:37:07 PM
Lead	ND	0.025		mg/L	1	9/30/2010 9:37:07 PM
Manganese	0.14	0.010		mg/L	1	9/30/2010 9:37:07 PM
Selenium	ND	0.25		mg/L	1	9/30/2010 9:37:07 PM
Silver	ND	0.025		mg/L	1	9/30/2010 9:37:07 PM
Zinc	0.69	0.10		mg/L	1	9/30/2010 9:37:07 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PILOT EFF
Lab Order:	1009838	**Collection Date:**	9/16/2010 11:44:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	9/28/2010 5:24:38 PM
Toluene	ND	1.0		µg/L	1	9/28/2010 5:24:38 PM
Ethylbenzene	ND	1.0		µg/L	1	9/28/2010 5:24:38 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	9/28/2010 5:24:38 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 5:24:38 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/28/2010 5:24:38 PM
Xylenes, Total	ND	3.0		µg/L	1	9/28/2010 5:24:38 PM
Surr: 1,2-Dichloroethane-d4	101	54.6-141		%REC	1	9/28/2010 5:24:38 PM
Surr: 4-Bromofluorobenzene	91.1	60.1-133		%REC	1	9/28/2010 5:24:38 PM
Surr: Dibromofluoromethane	105	78.5-130		%REC	1	9/28/2010 5:24:38 PM
Surr: Toluene-d8	91.9	79.5-126		%REC	1	9/28/2010 5:24:38 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1009838	**Collection Date:**	9/16/2010 10:15:00 AM
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 8:30:27 PM
Surr: BFB	101	79.9-117		%REC	1	9/28/2010 8:30:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	9/25/2010 2:27:43 AM
Benzene	ND	1.0		µg/L	1	9/25/2010 2:27:43 AM
Toluene	ND	1.0		µg/L	1	9/25/2010 2:27:43 AM
Ethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:27:43 AM
Xylenes, Total	ND	2.0		µg/L	1	9/25/2010 2:27:43 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:27:43 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:27:43 AM
Surr: 4-Bromofluorobenzene	93.4	83.6-151		%REC	1	9/25/2010 2:27:43 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *08-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1009838	**Collection Date:**	
Project:	3rd Qtr 2010	**Date Received:**	9/17/2010
Lab ID:	1009838-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 8:59:24 PM
Surr: BFB	100	79.9-117		%REC	1	9/28/2010 8:59:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	9/25/2010 2:58:13 AM
Benzene	ND	1.0		µg/L	1	9/25/2010 2:58:13 AM
Toluene	ND	1.0		µg/L	1	9/25/2010 2:58:13 AM
Ethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:58:13 AM
Xylenes, Total	ND	2.0		µg/L	1	9/25/2010 2:58:13 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:58:13 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/25/2010 2:58:13 AM
Surr: 4-Bromofluorobenzene	92.8	83.6-151		%REC	1	9/25/2010 2:58:13 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009838
Lab ID: B10091857-001
Client Sample ID 1009838-01C-1E, GWM-1

Report Date: 09/28/10
Collection Date: 09/16/10 10:21
DateReceived: 09/21/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.010	mg/L		0.001		SW6020	09/22/10 20:02 / jjw
METALS, TOTAL							
Uranium	0.015	mg/L		0.001		SW6020	09/24/10 16:30 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009838
Lab ID: B10091857-002
Client Sample ID 1009838-04C-4E, Pilot EFF

Report Date: 09/28/10
Collection Date: 09/16/10 11:44
DateReceived: 09/21/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	09/22/10 20:39 / jjw
METALS, TOTAL							
Uranium	0.005	mg/L		0.001		SW6020	09/24/10 16:38 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009838

Report Date: 09/28/10
Work Order: B10091857

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_100922A	
Sample ID: QCS - 100607A,100726A,	Initial Calibration Verification Standard								09/22/10 11:26
Uranium	0.0184	mg/L	0.00030	92	90	110			
Sample ID: ICSA-ME091229B	Interference Check Sample A								09/22/10 11:30
Uranium	2.30E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 1001	Interference Check Sample AB								09/22/10 11:34
Uranium	5.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: R154275
Sample ID: B10091857-001BMS	Sample Matrix Spike				Run: ICPMS202-B_100922A				09/22/10 20:06
Uranium	0.271	mg/L	0.0010	104	75	125			
Sample ID: B10091857-001BMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_100922A				09/22/10 20:27
Uranium	0.268	mg/L	0.0010	103	75	125	1.1	20	
Sample ID: B10091857-002BDIL	Serial Dilution				Run: ICPMS202-B_100922A				09/22/10 20:43
Uranium	0.00105	mg/L	0.0010		0	0			N
Sample ID: LRB	Method Blank				Run: ICPMS202-B_100922A				09/22/10 12:03
Uranium	ND	mg/L	2E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS202-B_100922A				09/22/10 12:07
Uranium	0.0467	mg/L	0.00030	93	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009838

Report Date: 09/28/10
Work Order: B10091857

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_100924A	
Sample ID: QCS - 100607A,100726A,	Initial Calibration Verification Standard							09/24/10 10:34	
Uranium	0.0184	mg/L	0.00030	92	90	110			
Sample ID: ICSA-ME091229B	Interference Check Sample A							09/24/10 10:38	
Uranium	2.20E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 1001	Interference Check Sample AB							09/24/10 10:42	
Uranium	6.00E-06	mg/L	0.00030		0	0			
Method: SW6020								Batch: 49247	
Sample ID: MB-49247	Method Blank				Run: ICPMS202-B_100924A			09/24/10 16:26	
Uranium	ND	mg/L	2E-05						
Sample ID: B10091857-001ADIL	Serial Dilution				Run: ICPMS202-B_100924A			09/24/10 16:34	
Uranium	0.0132	mg/L	0.0010		0	0	11	10	R
Sample ID: LCS-49247	Laboratory Control Sample				Run: ICPMS202-B_100924A			09/24/10 17:19	
Uranium	0.505	mg/L	0.0010	101	85	115			
Sample ID: B10091857-001AMS3	Sample Matrix Spike				Run: ICPMS202-B_100924A			09/24/10 17:22	
Uranium	0.553	mg/L	0.0010	108	75	125			
Sample ID: B10091857-001AMSD3	Sample Matrix Spike Duplicate				Run: ICPMS202-B_100924A			09/24/10 17:26	
Uranium	0.549	mg/L	0.0010	107	75	125	0.8	20	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
R - RPD exceeds advisory limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41215**	Analysis Date:		9/27/2010 10:37:25 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41215**	Analysis Date:		9/28/2010 12:50:34 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41342**	Analysis Date:		10/4/2010 7:59:12 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R41215**	Analysis Date:		9/27/2010 10:54:50 AM	
Fluoride	0.4651	mg/L	0.10	0.5	0	93.0	90	110			
Chloride	4.689	mg/L	0.50	5	0	93.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.394	mg/L	0.20	3.5	0	97.0	90	110			
Phosphorus, Orthophosphate (As P)	4.698	mg/L	0.50	5	0	94.0	90	110			
Sulfate	9.643	mg/L	0.50	10	0	96.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R41215**	Analysis Date:		9/28/2010 1:07:58 AM	
Fluoride	0.5355	mg/L	0.10	0.5	0	107	90	110			
Chloride	4.966	mg/L	0.50	5	0	99.3	90	110			
Nitrate (As N)+Nitrite (As N)	3.608	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	4.999	mg/L	0.50	5	0	100	90	110			
Sulfate	10.18	mg/L	0.50	10	0	102	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23826		*MBLK*				Batch ID:	**23826**	Analysis Date:		9/20/2010 5:47:41 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23826		*LCS*				Batch ID:	**23826**	Analysis Date:		9/20/2010 6:21:47 PM	
Diesel Range Organics (DRO)	5.766	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-23826		*LCSD*				Batch ID:	**23826**	Analysis Date:		9/20/2010 6:55:54 PM	
Diesel Range Organics (DRO)	5.825	mg/L	1.0	5	0	116	74	157	1.01	23	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 9:19:52 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 11:51:28 AM	
Gasoline Range Organics (GRO)	0.4892	mg/L	0.050	0.5	0	97.8	89.5	122			
Method: EPA Method 8021B: Volatiles											
Sample ID: 1009838-02A MSD		*MSD*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 7:54:26 PM	
Methyl tert-butyl ether (MTBE)	31.33	µg/L	2.5	20	16.6	73.7	55.6	139	24.0	20.9	R
Benzene	20.44	µg/L	1.0	20	0.168	101	87.7	108	1.29	13.8	
Toluene	18.86	µg/L	1.0	20	0	94.3	84.2	115	3.03	17.1	
Ethylbenzene	19.67	µg/L	1.0	20	0.146	97.6	81.3	115	0.679	15.3	
Xylenes, Total	60.44	µg/L	2.0	60	0	101	83	118	1.15	13	
1,2,4-Trimethylbenzene	21.46	µg/L	1.0	20	0.988	102	77.1	114	2.41	6.57	
1,3,5-Trimethylbenzene	21.88	µg/L	1.0	20	0.254	108	88.4	115	2.52	7.92	
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 9:19:52 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 12:21:46 PM	
Methyl tert-butyl ether (MTBE)	19.26	µg/L	2.5	20	0	96.3	75.5	124			
Benzene	20.03	µg/L	1.0	20	0.162	99.3	84.7	118			
Toluene	19.03	µg/L	1.0	20	0	95.1	82	123			
Ethylbenzene	19.52	µg/L	1.0	20	0.22	96.5	83	118			
Xylenes, Total	60.57	µg/L	2.0	60	0	101	85.4	119			
1,2,4-Trimethylbenzene	21.00	µg/L	1.0	20	0	105	82.1	113			
1,3,5-Trimethylbenzene	21.49	µg/L	1.0	20	0	107	89.6	119			
Sample ID: 1009838-02A MS		*MS*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 7:24:07 PM	
Methyl tert-butyl ether (MTBE)	39.89	µg/L	2.5	20	16.6	116	55.6	139			
Benzene	20.71	µg/L	1.0	20	0.168	103	87.7	108			
Toluene	19.44	µg/L	1.0	20	0	97.2	84.2	115			
Ethylbenzene	19.81	µg/L	1.0	20	0.146	98.3	81.3	115			
Xylenes, Total	61.14	µg/L	2.0	60	0	102	83	118			
1,2,4-Trimethylbenzene	21.99	µg/L	1.0	20	0.988	105	77.1	114			
1,3,5-Trimethylbenzene	22.43	µg/L	1.0	20	0.254	111	88.4	115			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260: Volatiles Short List											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R41224**	Analysis Date:	9/28/2010 10:20:13 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41224**	Analysis Date:	9/28/2010 11:16:49 AM		
Benzene	18.49	µg/L	1.0	20	0	92.4	82.4	116			
Toluene	20.32	µg/L	1.0	20	0	102	89.5	123			
Method: EPA Method 7470: Mercury											
Sample ID: MB-23924		*MBLK*				Batch ID:	**23924**	Analysis Date:	9/28/2010 3:13:51 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23924		*LCS*				Batch ID:	**23924**	Analysis Date:	9/28/2010 4:04:18 PM		
Mercury	0.005268	mg/L	0.00020	0.005	2E-05	105	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R41319**		Analysis Date: 10/1/2010 12:30:48 PM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID: **R41319**		Analysis Date: 10/1/2010 12:33:38 PM			
Arsenic	0.4908	mg/L	0.020	0.5	0	98.2	80	120			
Barium	0.4717	mg/L	0.020	0.5	0	94.3	80	120			
Cadmium	0.4799	mg/L	0.0020	0.5	0	96.0	80	120			
Calcium	50.19	mg/L	1.0	50.5	0.0311	99.3	80	120			
Chromium	0.4771	mg/L	0.0060	0.5	0	95.4	80	120			
Copper	0.5044	mg/L	0.0060	0.5	0	101	80	120			
Iron	0.4726	mg/L	0.020	0.5	0	94.5	80	120			
Lead	0.4787	mg/L	0.0050	0.5	0	95.7	80	120			
Magnesium	50.70	mg/L	1.0	50.5	0.0319	100	80	120			
Manganese	0.4664	mg/L	0.0020	0.5	0	93.3	80	120			
Potassium	52.97	mg/L	1.0	55	0.0703	96.2	80	120			
Selenium	0.4723	mg/L	0.050	0.5	0	94.5	80	120			
Silver	0.4782	mg/L	0.0050	0.5	0.0003	95.6	80	120			
Sodium	53.62	mg/L	1.0	50.5	0.042	106	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23852		*MBLK*				Batch ID:	**23852**	Analysis Date:	9/22/2010 6:48:30 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sample ID: MB-23852		*MBLK*				Batch ID:	**23852**	Analysis Date:	9/23/2010 6:16:57 PM		
Zinc	ND	mg/L	0.020								
Sample ID: MB-23852		*MBLK*				Batch ID:	**23852**	Analysis Date:	9/30/2010 8:29:17 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23852		*LCS*				Batch ID:	**23852**	Analysis Date:	9/22/2010 6:51:30 PM		
Arsenic	0.5211	mg/L	0.020	0.5	0	104	80	120			
Barium	0.4876	mg/L	0.020	0.5	0	97.5	80	120			
Cadmium	0.5046	mg/L	0.0020	0.5	0	101	80	120			
Chromium	0.4962	mg/L	0.0060	0.5	0	99.2	80	120			
Copper	0.5375	mg/L	0.0060	0.5	0.0010	107	80	120			
Iron	0.4809	mg/L	0.050	0.5	0	96.2	80	120			
Lead	0.4914	mg/L	0.0050	0.5	0	98.3	80	120			
Manganese	0.4866	mg/L	0.0020	0.5	0	97.3	80	120			
Selenium	0.5024	mg/L	0.050	0.5	0	100	80	120			
Silver	0.5086	mg/L	0.0050	0.5	0.0003	102	80	120			
Sample ID: LCS-23852		*LCS*				Batch ID:	**23852**	Analysis Date:	9/23/2010 6:19:45 PM		
Arsenic	0.5127	mg/L	0.020	0.5	0	103	80	120	1.63	0	
Barium	0.4876	mg/L	0.020	0.5	0	97.5	80	120	0.0167	0	
Cadmium	0.5044	mg/L	0.0020	0.5	0	101	80	120	0.0373	0	
Chromium	0.4981	mg/L	0.0060	0.5	0	99.6	80	120	0.394	0	
Lead	0.4879	mg/L	0.0050	0.5	0	97.6	80	120	0.709	0	
Selenium	0.5052	mg/L	0.050	0.5	0	101	80	120	0.572	0	
Silver	0.5054	mg/L	0.0050	0.5	0.0003	101	80	120	0.622	0	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 3rd Qtr 2010 **Work Order:** 1009838

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: LCS-23852		*LCS*				Batch ID:	**23852**	Analysis Date:		9/23/2010 6:19:45 PM	
Zinc	0.4795	mg/L	0.020	0.5	0	95.9	80	120	0.493	0	
Sample ID: LCS-23852		*LCS*				Batch ID:	**23852**	Analysis Date:		9/30/2010 8:41:50 PM	
Arsenic	0.4869	mg/L	0.020	0.5	0	97.4	80	120			
Barium	0.4921	mg/L	0.020	0.5	0	98.4	80	120			
Cadmium	0.4887	mg/L	0.0020	0.5	0	97.7	80	120			
Chromium	0.5021	mg/L	0.0060	0.5	0	100	80	120			
Copper	0.5801	mg/L	0.0060	0.5	0.0033	115	80	120			
Iron	0.4937	mg/L	0.050	0.5	0	98.7	80	120			
Lead	0.4804	mg/L	0.0050	0.5	0	96.1	80	120			
Manganese	0.4914	mg/L	0.0020	0.5	0	98.3	80	120			
Selenium	0.4606	mg/L	0.050	0.5	0	92.1	80	120			
Silver	0.5093	mg/L	0.0050	0.5	0.0015	102	80	120			
Zinc	0.4665	mg/L	0.020	0.5	0	93.3	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 9/17/2010

Work Order Number 1009838 | Received by: AMG

Checklist completed by: Signature 9/17/10 Date | Sample ID labels checked by: TS Initials

Matrix: | Carrier name ~~UPS~~ FedEx @ 9/17

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	0.1°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 8

(<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Preserved samples 1009838-01B, 01C, 01E w/ HNO_3 for acceptable ph. @ 9/17/10
poured off & filtered 02 & 03 for diss cations /AS 9/20/10

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refining
Mailing Address: Pt 3 Box 7 Gallup, NM
Phone #: 505 722 3833
email or Fax#: 505 722-0210
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 3rd QTR 2010
Project #: GWM wells
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 0.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1009838	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)	Total Metals Tot, Diss	Major Cations, Anions			Air Bubbles (Y or N)
9/16/10	1021	H2O	GWM-1			1	X		X									X	X			
	1048		GWM-2			2	X		X										X			
	1114		GWM-3			3	X		X										X			
	1144		Pilot Eff *			4	X		X									X				
9/16/10	1015		Field Blank			5																
			Trip Blank			6																

Date:	Time:	Relinquished by:	Received by:	Date	Time
9/16/10	1430		Ashley M Gallegos	9/17/10	8:55
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: * May Contain biohazards.

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.

GWM-2,3

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, November 02, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: GWM 2,3

Order No.: 1010251

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 10/5/2010 for the analyses presented in the following report.

This report is an addendum to the report dated October 29, 2010. This is an updated report.

No determination of compounds below these (denoted by the ND or < sign) has been made.

Reporting limits are determined by EPA methodology.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

E, F - MW 3

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	1010251	**Collection Date:**	10/4/2010 9:20:00 AM
Project:	GWM 2,3	**Date Received:**	10/5/2010
Lab ID:	1010251-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/8/2010 10:20:42 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/8/2010 10:20:42 PM
Surr: DNOP	123	86.9-151		%REC	1	10/8/2010 10:20:42 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/14/2010 1:58:34 PM
Surr: BFB	159	79.9-117	S	%REC	1	10/14/2010 1:58:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.52	0.10		mg/L	1	10/7/2010 12:48:17 AM
Chloride	1800	100		mg/L	200	10/8/2010 1:49:25 AM
Bromide	3.4	0.10		mg/L	1	10/7/2010 12:48:17 AM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	10/8/2010 2:06:50 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/7/2010 12:48:17 AM
Sulfate	740	10		mg/L	20	10/7/2010 1:05:41 AM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Calcium	420	10		mg/L	10	10/19/2010 2:09:20 PM
Magnesium	77	1.0		mg/L	1	10/18/2010 12:16:53 PM
Potassium	3.0	1.0		mg/L	1	10/18/2010 12:16:53 PM
Sodium	910	10		mg/L	10	10/19/2010 2:09:20 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/14/2010 11:03:36 PM
Toluene	ND	1.0		µg/L	1	10/14/2010 11:03:36 PM
Ethylbenzene	ND	1.0		µg/L	1	10/14/2010 11:03:36 PM
Methyl tert-butyl ether (MTBE)	11	1.5		µg/L	1	10/14/2010 11:03:36 PM
Xylenes, Total	ND	3.0		µg/L	1	10/14/2010 11:03:36 PM
Surr: 4-Bromofluorobenzene	88.6	60.1-133		%REC	1	10/14/2010 11:03:36 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-3
Lab Order:	1010251	**Collection Date:**	10/4/2010 9:59:00 AM
Project:	GWM 2,3	**Date Received:**	10/5/2010
Lab ID:	1010251-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1.3	1.0		mg/L	1	10/8/2010 10:54:02 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/8/2010 10:54:02 PM
Surr: DNOP	135	86.9-151		%REC	1	10/8/2010 10:54:02 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.12	0.050		mg/L	1	10/14/2010 2:27:30 PM
Surr: BFB	287	79.9-117	S	%REC	1	10/14/2010 2:27:30 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	5.9	2.0		mg/L	20	10/7/2010 2:15:21 AM
Chloride	1800	100		mg/L	200	10/8/2010 2:59:04 AM
Bromide	2.3	0.10		mg/L	1	10/7/2010 1:57:56 AM
Nitrate (As N)+Nitrite (As N)	61	4.0		mg/L	20	10/8/2010 2:41:39 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	10/7/2010 1:57:56 AM
Sulfate	1500	25		mg/L	50	10/8/2010 2:24:15 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Calcium	450	20		mg/L	20	10/21/2010 12:39:56 PM
Magnesium	89	1.0		mg/L	1	10/21/2010 11:13:21 AM
Potassium	7.6	1.0		mg/L	1	10/21/2010 11:13:21 AM
Sodium	1300	20		mg/L	20	10/22/2010 10:12:38 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	10/15/2010 2:03:12 PM
Toluene	ND	1.0		µg/L	1	10/15/2010 2:03:12 PM
Ethylbenzene	ND	1.0		µg/L	1	10/15/2010 2:03:12 PM
Methyl tert-butyl ether (MTBE)	9.2	1.5		µg/L	1	10/15/2010 2:03:12 PM
Xylenes, Total	ND	3.0		µg/L	1	10/15/2010 2:03:12 PM
Surr: 4-Bromofluorobenzene	101	76.4-106		%REC	1	10/15/2010 2:03:12 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: GWM 2,3 **Work Order:** 1010251

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41404**	Analysis Date:		10/6/2010 12:02:06 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41424**	Analysis Date:		10/7/2010 3:22:36 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R41404**	Analysis Date:		10/6/2010 12:19:31 PM	
Fluoride	0.5245	mg/L	0.10	0.5	0	105	90	110			
Chloride	4.732	mg/L	0.50	5	0	94.6	90	110			
Bromide	2.442	mg/L	0.10	2.5	0.0404	96.1	90	110			
Nitrate (As N)+Nitrite (As N)	3.427	mg/L	0.20	3.5	0	97.9	90	110			
Phosphorus, Orthophosphate (As P)	4.854	mg/L	0.50	5	0	97.1	90	110			
Sulfate	9.895	mg/L	0.50	10	0	98.9	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R41424**	Analysis Date:		10/7/2010 3:40:00 PM	
Fluoride	0.5230	mg/L	0.10	0.5	0	105	90	110			
Chloride	4.838	mg/L	0.50	5	0	96.8	90	110			
Bromide	2.492	mg/L	0.10	2.5	0	99.7	90	110			
Nitrate (As N)+Nitrite (As N)	3.498	mg/L	0.20	3.5	0	99.9	90	110			
Phosphorus, Orthophosphate (As P)	4.912	mg/L	0.50	5	0	98.2	90	110			
Sulfate	10.00	mg/L	0.50	10	0	100	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24038		*MBLK*				Batch ID:	**24038**	Analysis Date:		10/8/2010 3:34:23 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24038		*LCS*				Batch ID:	**24038**	Analysis Date:		10/8/2010 4:08:14 PM	
Diesel Range Organics (DRO)	5.777	mg/L	1.0	5	0	116	74	157			
Sample ID: LCSD-24038		*LCSD*				Batch ID:	**24038**	Analysis Date:		10/8/2010 4:42:05 PM	
Diesel Range Organics (DRO)	6.201	mg/L	1.0	5	0	124	74	157	7.08	23	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: GWM 2,3 **Work Order:** 1010251

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41562**	Analysis Date:		10/14/2010 9:52:47 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41562**	Analysis Date:		10/14/2010 5:50:06 PM	
Gasoline Range Organics (GRO)	0.5524	mg/L	0.050	0.5	0	110	89.5	122			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R41562**	Analysis Date:		10/14/2010 6:19:01 PM	
Gasoline Range Organics (GRO)	0.5456	mg/L	0.050	0.5	0	109	89.5	122	1.24	10.5	
Method: EPA Method 8260: Volatiles Short List											
Sample ID: b4		*MBLK*				Batch ID:	**R41557**	Analysis Date:		10/14/2010 1:38:57 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								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R41589**	Analysis Date:		10/15/2010 10:14:44 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41557**	Analysis Date:		10/14/2010 1:10:40 PM	
Benzene	19.13	µg/L	1.0	20	0	95.6	84.6	109			
Toluene	19.74	µg/L	1.0	20	0	98.7	81	114			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41589**	Analysis Date:		10/15/2010 11:11:12 AM	
Benzene	19.75	µg/L	1.0	20	0	98.8	84.6	109			
Toluene	20.57	µg/L	1.0	20	0	103	81	114			
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R41653**	Analysis Date:		10/19/2010 1:48:38 PM	
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID:	**R41653**	Analysis Date:		10/19/2010 1:54:42 PM	
Calcium	58.95	mg/L	1.0	50.5	0.0187	117	80	120			
Magnesium	59.45	mg/L	1.0	50.5	0.0159	118	80	120			
Sodium	58.47	mg/L	1.0	50.5	0.0601	116	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: GWM 2,3 **Work Order:** 1010251

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-24164		*MBLK*				Batch ID:	24164	Analysis Date:	10/21/2010 10:55:48 AM		
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sodium	ND	mg/L	1.0								
Sample ID: LCS-24164		*LCS*				Batch ID:	24164	Analysis Date:	10/21/2010 10:58:38 AM		
Calcium	47.75	mg/L	1.0	50	0	95.5	80	120			
Magnesium	49.45	mg/L	1.0	50	0.0308	98.8	80	120			
Potassium	50.86	mg/L	1.0	50	0	102	80	120			
Sodium	51.54	mg/L	1.0	50	0.0319	103	80	120			
Sample ID: LCS-24164		*LCS*				Batch ID:	24164	Analysis Date:	10/21/2010 11:01:41 AM		
Calcium	48.38	mg/L	1.0	50	0	96.8	80	120	1.32	0	
Magnesium	50.20	mg/L	1.0	50	0.0308	100	80	120	1.50	0	
Potassium	51.83	mg/L	1.0	50	0	104	80	120	1.89	0	
Sodium	52.41	mg/L	1.0	50	0.0319	105	80	120	1.66	0	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Chain-of-Custody Record

Client: Western Refinery
Gallup Refining
Mailing Address: Rt 3 Box 7
Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: GWM 2,3
Project #: Re-Sample
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 4.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1010251
10/4/10	0920	H2O	GWM-2			1
	0959	"	GWM-3			2
			TRIP BLANK			

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Major Cations, Anions	8021B + MTBE			Air Bubbles (Y or N)
		X									X	X			
		X									X	X			

Date:	Time:	Relinquished by:	Received by:	Date	Time
10/4/10	1100		Melissa Watters	10/5/10	105
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

GWM-1

COVER LETTER

Friday, November 19, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2010 4th Qtr

Order No.: 1011139

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 11/3/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 9:10:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	6.0	1.0		mg/L	1	11/5/2010 2:45:30 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/5/2010 2:45:30 PM
Surr: DNOP	121	86.9-151		%REC	1	11/5/2010 2:45:30 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.68	0.50		mg/L	10	11/4/2010 4:01:25 PM
Surr: BFB	203	84.5-118	S	%REC	10	11/4/2010 4:01:25 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	3.5	1.0		mg/L	10	11/3/2010 5:56:26 PM
Chloride	1300	50		mg/L	100	11/6/2010 11:51:12 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	11/3/2010 5:56:26 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	11/3/2010 5:56:26 PM
Sulfate	26	5.0		mg/L	10	11/3/2010 5:56:26 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:30:55 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.20		mg/L	10	11/14/2010 1:17:35 PM
Barium	1.3	0.20		mg/L	10	11/14/2010 1:17:35 PM
Cadmium	ND	0.0020		mg/L	1	11/14/2010 12:22:31 PM
Calcium	330	10		mg/L	10	11/14/2010 1:17:35 PM
Chromium	ND	0.0060		mg/L	1	11/14/2010 12:22:31 PM
Copper	ND	0.0060		mg/L	1	11/14/2010 12:22:31 PM
Iron	5.2	0.40		mg/L	20	11/17/2010 6:17:06 PM
Lead	0.0094	0.0050		mg/L	1	11/14/2010 12:22:31 PM
Magnesium	75	1.0		mg/L	1	11/14/2010 12:22:31 PM
Manganese	3.0	0.020		mg/L	10	11/14/2010 1:17:35 PM
Potassium	2.9	1.0		mg/L	1	11/14/2010 12:22:31 PM
Selenium	ND	0.050		mg/L	1	11/14/2010 12:22:31 PM
Silver	ND	0.0050		mg/L	1	11/14/2010 12:22:31 PM
Sodium	1100	20		mg/L	20	11/17/2010 6:17:06 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	0.14	0.020		mg/L	1	11/9/2010 12:34:52 PM
Barium	1.4	0.10		mg/L	5	11/9/2010 1:28:43 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 12:34:52 PM
Chromium	ND	0.0060		mg/L	1	11/9/2010 12:34:52 PM
Copper	ND	0.0060		mg/L	1	11/9/2010 12:34:52 PM
Iron	7.9	0.50		mg/L	10	11/9/2010 2:23:58 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 9:10:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Lead	0.0095	0.0050		mg/L	1	11/9/2010 12:34:52 PM
Manganese	3.0	0.010		mg/L	5	11/9/2010 1:28:43 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 12:34:52 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 12:34:52 PM
Zinc	0.025	0.020		mg/L	1	11/9/2010 12:34:52 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	6.9	1.0		µg/L	1	11/4/2010 2:22:06 PM
Toluene	2.3	1.0		µg/L	1	11/4/2010 2:22:06 PM
Ethylbenzene	3.5	1.0		µg/L	1	11/4/2010 2:22:06 PM
Methyl tert-butyl ether (MTBE)	62	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2,4-Trimethylbenzene	7.5	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Naphthalene	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
1-Methylnaphthalene	11	4.0		µg/L	1	11/4/2010 2:22:06 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/4/2010 2:22:06 PM
Acetone	ND	10		µg/L	1	11/4/2010 2:22:06 PM
Bromobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Bromoform	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Bromomethane	ND	3.0		µg/L	1	11/4/2010 2:22:06 PM
2-Butanone	ND	10		µg/L	1	11/4/2010 2:22:06 PM
Carbon disulfide	ND	10		µg/L	1	11/4/2010 2:22:06 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Chlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Chloroethane	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
Chloroform	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Chloromethane	ND	3.0		µg/L	1	11/4/2010 2:22:06 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Dibromomethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 9:10:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
2-Hexanone	ND	10		µg/L	1	11/4/2010 2:22:06 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/4/2010 2:22:06 PM
Methylene Chloride	ND	3.0		µg/L	1	11/4/2010 2:22:06 PM
n-Butylbenzene	1.6	1.0		µg/L	1	11/4/2010 2:22:06 PM
n-Propylbenzene	1.2	1.0		µg/L	1	11/4/2010 2:22:06 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Styrene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
Vinyl chloride	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Xylenes, Total	22	1.5		µg/L	1	11/4/2010 2:22:06 PM
Surr: 1,2-Dichloroethane-d4	99.7	77.7-113		%REC	1	11/4/2010 2:22:06 PM
Surr: 4-Bromofluorobenzene	108	76.4-106	S	%REC	1	11/4/2010 2:22:06 PM
Surr: Dibromofluoromethane	103	91.6-125		%REC	1	11/4/2010 2:22:06 PM
Surr: Toluene-d8	98.0	92.3-107		%REC	1	11/4/2010 2:22:06 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1011139	**Collection Date:**	11/2/2010 10:15:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	5.1	1.0		mg/L	1	11/5/2010 3:19:36 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/5/2010 3:19:36 PM
Surr: DNOP	123	86.9-151		%REC	1	11/5/2010 3:19:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.57	0.50		mg/L	10	11/4/2010 4:30:18 PM
Surr: BFB	106	84.5-118		%REC	10	11/4/2010 4:30:18 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.7	1.0		mg/L	10	11/3/2010 6:31:15 PM
Chloride	230	25		mg/L	50	11/3/2010 6:48:40 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	11/3/2010 6:31:15 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	11/3/2010 6:31:15 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	11/3/2010 6:31:15 PM
Sulfate	7.8	5.0		mg/L	10	11/3/2010 6:31:15 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:32:41 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	11/14/2010 1:20:26 PM
Barium	1.4	0.10		mg/L	5	11/14/2010 1:20:26 PM
Cadmium	ND	0.0020		mg/L	1	11/14/2010 12:36:51 PM
Calcium	73	1.0		mg/L	1	11/14/2010 12:36:51 PM
Chromium	ND	0.0060		mg/L	1	11/14/2010 12:36:51 PM
Copper	ND	0.0060		mg/L	1	11/14/2010 12:36:51 PM
Iron	2.9	0.10		mg/L	5	11/17/2010 6:20:02 PM
Lead	ND	0.0050		mg/L	1	11/14/2010 12:36:51 PM
Magnesium	14	1.0		mg/L	1	11/14/2010 12:36:51 PM
Manganese	1.2	0.010		mg/L	5	11/14/2010 1:20:26 PM
Potassium	ND	1.0		mg/L	1	11/14/2010 12:36:51 PM
Selenium	ND	0.050		mg/L	1	11/14/2010 12:36:51 PM
Silver	ND	0.0050		mg/L	1	11/14/2010 12:36:51 PM
Sodium	320	5.0		mg/L	5	11/14/2010 1:20:26 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 12:38:58 PM
Barium	1.2	0.10		mg/L	5	11/9/2010 1:34:23 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 12:38:58 PM
Chromium	ND	0.0060		mg/L	1	11/9/2010 12:38:58 PM
Copper	ND	0.0060		mg/L	1	11/9/2010 12:38:58 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1011139	**Collection Date:**	11/2/2010 10:15:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Iron	4.2	0.25		mg/L	5	11/9/2010 1:34:23 PM
Lead	ND	0.0050		mg/L	1	11/9/2010 12:38:58 PM
Manganese	1.2	0.010		mg/L	5	11/9/2010 1:34:23 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 12:38:58 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 12:38:58 PM
Zinc	ND	0.020		mg/L	1	11/9/2010 12:38:58 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	10	10		µg/L	1	11/10/2010 11:59:55 AM
Acenaphthylene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Aniline	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Anthracene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Azobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benz(a)anthracene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benzo(a)pyrene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benzoic acid	ND	20		µg/L	1	11/10/2010 11:59:55 AM
Benzyl alcohol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Butyl benzyl phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Carbazole	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Chloroaniline	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Chloronaphthalene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Chlorophenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Chrysene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Di-n-butyl phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Di-n-octyl phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Dibenzofuran	ND	10		µg/L	1	11/10/2010 11:59:55 AM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/10/2010 11:59:55 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1011139	**Collection Date:**	11/2/2010 10:15:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Dimethyl phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2,4-Dichlorophenol	ND	20		µg/L	1	11/10/2010 11:59:55 AM
2,4-Dimethylphenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/10/2010 11:59:55 AM
2,4-Dinitrophenol	ND	20		µg/L	1	11/10/2010 11:59:55 AM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Fluoranthene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Fluorene	11	10		µg/L	1	11/10/2010 11:59:55 AM
Hexachlorobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Hexachlorobutadiene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Hexachloroethane	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Isophorone	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Methylnaphthalene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Methylphenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
3+4-Methylphenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/10/2010 11:59:55 AM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/10/2010 11:59:55 AM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Naphthalene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Nitroaniline	ND	10		µg/L	1	11/10/2010 11:59:55 AM
3-Nitroaniline	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Nitroaniline	ND	20		µg/L	1	11/10/2010 11:59:55 AM
Nitrobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Nitrophenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Nitrophenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Pentachlorophenol	ND	20		µg/L	1	11/10/2010 11:59:55 AM
Phenanthrene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Phenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Pyrene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Pyridine	ND	10		µg/L	1	11/10/2010 11:59:55 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Surr: 2,4,6-Tribromophenol	65.2	17.5-104		%REC	1	11/10/2010 11:59:55 AM
Surr: 2-Fluorobiphenyl	66.2	30.9-98.9		%REC	1	11/10/2010 11:59:55 AM
Surr: 2-Fluorophenol	62.5	12.4-90.1		%REC	1	11/10/2010 11:59:55 AM
Surr: 4-Terphenyl-d14	76.1	43.5-91.9		%REC	1	11/10/2010 11:59:55 AM

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1011139	**Collection Date:**	11/2/2010 10:15:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	76.7	26.2-108		%REC	1	11/10/2010 11:59:55 AM
Surr: Phenol-d5	47.5	11.8-73.1		%REC	1	11/10/2010 11:59:55 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	15	5.0		µg/L	5	11/4/2010 4:12:09 PM
Toluene	ND	5.0		µg/L	5	11/4/2010 4:12:09 PM
Ethylbenzene	ND	5.0		µg/L	5	11/4/2010 4:12:09 PM
Methyl tert-butyl ether (MTBE)	270	7.5		µg/L	5	11/4/2010 4:12:09 PM
Xylenes, Total	ND	15		µg/L	5	11/4/2010 4:12:09 PM
Surr: 1,2-Dichloroethane-d4	99.9	77.7-113		%REC	5	11/4/2010 4:12:09 PM
Surr: 4-Bromofluorobenzene	103	76.4-106		%REC	5	11/4/2010 4:12:09 PM
Surr: Dibromofluoromethane	102	91.6-125		%REC	5	11/4/2010 4:12:09 PM
Surr: Toluene-d8	99.0	92.3-107		%REC	5	11/4/2010 4:12:09 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 11:09:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1.7	1.0		mg/L	1	11/5/2010 3:53:43 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/5/2010 3:53:43 PM
Surr: DNOP	122	88.9-151		%REC	1	11/5/2010 3:53:43 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.68	0.25		mg/L	5	11/4/2010 4:59:14 PM
Surr: BFB	108	84.5-118		%REC	5	11/4/2010 4:59:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.7	1.0		mg/L	10	11/3/2010 7:06:04 PM
Chloride	260	25		mg/L	50	11/3/2010 7:23:29 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	11/3/2010 7:06:04 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	11/3/2010 7:06:04 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	11/3/2010 7:06:04 PM
Sulfate	38	5.0		mg/L	10	11/3/2010 7:06:04 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:34:26 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	11/14/2010 1:23:17 PM
Barium	0.62	0.020		mg/L	1	11/14/2010 12:40:51 PM
Cadmium	ND	0.0020		mg/L	1	11/14/2010 12:40:51 PM
Calcium	81	1.0		mg/L	1	11/14/2010 12:40:51 PM
Chromium	ND	0.0060		mg/L	1	11/14/2010 12:40:51 PM
Copper	ND	0.0060		mg/L	1	11/14/2010 12:40:51 PM
Iron	0.32	0.020		mg/L	1	11/17/2010 6:24:43 PM
Lead	ND	0.0050		mg/L	1	11/14/2010 12:40:51 PM
Magnesium	14	1.0		mg/L	1	11/14/2010 12:40:51 PM
Manganese	1.4	0.010		mg/L	5	11/14/2010 1:23:17 PM
Potassium	ND	1.0		mg/L	1	11/14/2010 12:40:51 PM
Selenium	ND	0.050		mg/L	1	11/14/2010 12:40:51 PM
Silver	ND	0.0050		mg/L	1	11/14/2010 12:40:51 PM
Sodium	330	5.0		mg/L	5	11/14/2010 1:23:17 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 12:42:51 PM
Barium	0.60	0.020		mg/L	1	11/9/2010 12:42:51 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 12:42:51 PM
Chromium	ND	0.0060		mg/L	1	11/9/2010 12:42:51 PM
Copper	ND	0.0060		mg/L	1	11/9/2010 12:42:51 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 11:09:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Iron	1.2	0.25		mg/L	5	11/9/2010 1:37:33 PM
Lead	ND	0.0050		mg/L	1	11/9/2010 12:42:51 PM
Manganese	1.4	0.010		mg/L	5	11/9/2010 1:37:33 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 12:42:51 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 12:42:51 PM
Zinc	ND	0.020		mg/L	1	11/9/2010 12:42:51 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Acenaphthylene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Aniline	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Anthracene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Azobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benz(a)anthracene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benzoic acid	ND	20		µg/L	1	11/10/2010 12:29:34 PM
Benzyl alcohol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Carbazole	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Chloroaniline	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2-Chlorophenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Chrysene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Dibenzofuran	ND	10		µg/L	1	11/10/2010 12:29:34 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/10/2010 12:29:34 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 11:09:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Dimethyl phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/10/2010 12:29:34 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/10/2010 12:29:34 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/10/2010 12:29:34 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Fluoranthene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Fluorene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Hexachlorobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Hexachloroethane	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Isophorone	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2-Methylphenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
3+4-Methylphenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/10/2010 12:29:34 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/10/2010 12:29:34 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Naphthalene	13	10		µg/L	1	11/10/2010 12:29:34 PM
2-Nitroaniline	ND	10		µg/L	1	11/10/2010 12:29:34 PM
3-Nitroaniline	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Nitroaniline	ND	20		µg/L	1	11/10/2010 12:29:34 PM
Nitrobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2-Nitrophenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Nitrophenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Pentachlorophenol	ND	20		µg/L	1	11/10/2010 12:29:34 PM
Phenanthrene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Phenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Pyrene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Pyridine	ND	10		µg/L	1	11/10/2010 12:29:34 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Surr: 2,4,6-Tribromophenol	68.5	17.5-104		%REC	1	11/10/2010 12:29:34 PM
Surr: 2-Fluorobiphenyl	72.3	30.9-98.9		%REC	1	11/10/2010 12:29:34 PM
Surr: 2-Fluorophenol	57.1	12.4-90.1		%REC	1	11/10/2010 12:29:34 PM
Surr: 4-Terphenyl-d14	72.8	43.5-91.9		%REC	1	11/10/2010 12:29:34 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 11:09:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	76.1	26.2-108		%REC	1	11/10/2010 12:29:34 PM
Surr: Phenol-d5	43.7	11.8-73.1		%REC	1	11/10/2010 12:29:34 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	230	10		µg/L	10	11/4/2010 5:07:04 PM
Toluene	ND	10		µg/L	10	11/4/2010 5:07:04 PM
Ethylbenzene	14	10		µg/L	10	11/4/2010 5:07:04 PM
Methyl tert-butyl ether (MTBE)	100	15		µg/L	10	11/4/2010 5:07:04 PM
Xylenes, Total	ND	30		µg/L	10	11/4/2010 5:07:04 PM
Surr: 1,2-Dichloroethane-d4	101	77.7-113		%REC	10	11/4/2010 5:07:04 PM
Surr: 4-Bromofluorobenzene	96.1	76.4-106		%REC	10	11/4/2010 5:07:04 PM
Surr: Dibromofluoromethane	105	91.6-125		%REC	10	11/4/2010 5:07:04 PM
Surr: Toluene-d8	96.9	92.3-107		%REC	10	11/4/2010 5:07:04 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 12:04:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/5/2010 4:27:51 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/5/2010 4:27:51 PM
Surr: DNOP	119	86.9-151		%REC	1	11/5/2010 4:27:51 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/4/2010 5:28:09 PM
Surr: BFB	99.9	84.5-118		%REC	1	11/4/2010 5:28:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.48	0.10		mg/L	1	11/3/2010 7:40:53 PM
Chloride	1100	50		mg/L	100	11/6/2010 12:08:37 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/3/2010 7:58:18 PM
Nitrogen, Nitrate (As N)	18	2.0		mg/L	20	11/3/2010 7:58:18 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/3/2010 7:40:53 PM
Sulfate	430	10		mg/L	20	11/3/2010 7:58:18 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:36:12 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	11/14/2010 12:44:51 PM
Barium	0.081	0.020		mg/L	1	11/14/2010 12:44:51 PM
Cadmium	ND	0.0020		mg/L	1	11/14/2010 12:44:51 PM
Calcium	42	1.0		mg/L	1	11/14/2010 12:44:51 PM
Chromium	ND	0.0060		mg/L	1	11/14/2010 12:44:51 PM
Copper	ND	0.0060		mg/L	1	11/14/2010 12:44:51 PM
Iron	0.025	0.020		mg/L	1	11/17/2010 6:28:50 PM
Lead	ND	0.0050		mg/L	1	11/14/2010 12:44:51 PM
Magnesium	7.0	1.0		mg/L	1	11/14/2010 12:44:51 PM
Manganese	0.010	0.0020		mg/L	1	11/14/2010 12:44:51 PM
Potassium	4.2	1.0		mg/L	1	11/14/2010 12:44:51 PM
Selenium	ND	0.050		mg/L	1	11/14/2010 12:44:51 PM
Silver	ND	0.0050		mg/L	1	11/14/2010 12:44:51 PM
Sodium	990	20		mg/L	20	11/14/2010 1:26:07 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 12:46:56 PM
Barium	0.096	0.020		mg/L	1	11/9/2010 12:46:56 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 12:46:56 PM
Chromium	0.0075	0.0060		mg/L	1	11/9/2010 12:46:56 PM
Copper	0.012	0.0060		mg/L	1	11/9/2010 12:46:56 PM

Qualifiers:

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- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 12:04:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Iron	2.6	0.25		mg/L	5	11/9/2010 1:40:39 PM
Lead	0.011	0.0050		mg/L	1	11/9/2010 12:46:56 PM
Manganese	0.12	0.0020		mg/L	1	11/9/2010 12:46:56 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 12:46:56 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 12:46:56 PM
Zinc	0.59	0.020		mg/L	1	11/9/2010 12:46:56 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Acenaphthylene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Aniline	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Anthracene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Azobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benz(a)anthracene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benzoic acid	ND	20		µg/L	1	11/10/2010 12:59:21 PM
Benzyl alcohol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Carbazole	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Chloroaniline	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Chlorophenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Chrysene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Dibenzofuran	ND	10		µg/L	1	11/10/2010 12:59:21 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/10/2010 12:59:21 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 12:04:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Dimethyl phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/10/2010 12:59:21 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/10/2010 12:59:21 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/10/2010 12:59:21 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Fluoranthene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Fluorene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Hexachlorobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Hexachloroethane	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Isophorone	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Methylphenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
3+4-Methylphenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/10/2010 12:59:21 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/10/2010 12:59:21 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Naphthalene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Nitroaniline	ND	10		µg/L	1	11/10/2010 12:59:21 PM
3-Nitroaniline	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Nitroaniline	ND	20		µg/L	1	11/10/2010 12:59:21 PM
Nitrobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Nitrophenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Nitrophenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Pentachlorophenol	ND	20		µg/L	1	11/10/2010 12:59:21 PM
Phenanthrene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Phenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Pyrene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Pyridine	ND	10		µg/L	1	11/10/2010 12:59:21 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Surr: 2,4,6-Tribromophenol	70.3	17.5-104		%REC	1	11/10/2010 12:59:21 PM
Surr: 2-Fluorobiphenyl	70.9	30.9-98.9		%REC	1	11/10/2010 12:59:21 PM
Surr: 2-Fluorophenol	62.6	12.4-90.1		%REC	1	11/10/2010 12:59:21 PM
Surr: 4-Terphenyl-d14	68.4	43.5-91.9		%REC	1	11/10/2010 12:59:21 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 12:04:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	87.6	26.2-108		%REC	1	11/10/2010 12:59:21 PM
Surr: Phenol-d5	46.6	11.8-73.1		%REC	1	11/10/2010 12:59:21 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/4/2010 6:01:52 PM
Toluene	ND	1.0		µg/L	1	11/4/2010 6:01:52 PM
Ethylbenzene	ND	1.0		µg/L	1	11/4/2010 6:01:52 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/4/2010 6:01:52 PM
Xylenes, Total	ND	1.5		µg/L	1	11/4/2010 6:01:52 PM
Surr: 1,2-Dichloroethane-d4	97.2	77.7-113		%REC	1	11/4/2010 6:01:52 PM
Surr: 4-Bromofluorobenzene	111	76.4-108	S	%REC	1	11/4/2010 6:01:52 PM
Surr: Dibromofluoromethane	98.8	91.6-125		%REC	1	11/4/2010 6:01:52 PM
Surr: Toluene-d8	98.2	92.3-107		%REC	1	11/4/2010 6:01:52 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 3:05:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/5/2010 5:01:41 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/5/2010 5:01:41 PM
Surr: DNOP	120	86.9-151		%REC	1	11/5/2010 5:01:41 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/4/2010 5:57:11 PM
Surr: BFB	100	84.5-118		%REC	1	11/4/2010 5:57:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.96	0.10		mg/L	1	11/3/2010 8:50:32 PM
Chloride	200	10		mg/L	20	11/3/2010 9:07:57 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/3/2010 9:07:57 PM
Nitrogen, Nitrate (As N)	6.9	0.10		mg/L	1	11/3/2010 8:50:32 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/3/2010 8:50:32 PM
Sulfate	98	10		mg/L	20	11/3/2010 9:07:57 PM
[redacted] METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:37:58 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	11/14/2010 1:28:56 PM
Barium	0.13	0.020		mg/L	1	11/14/2010 12:48:49 PM
Cadmium	ND	0.0020		mg/L	1	11/14/2010 12:48:49 PM
Calcium	75	5.0		mg/L	5	11/14/2010 1:28:56 PM
Chromium	ND	0.0060		mg/L	1	11/14/2010 12:48:49 PM
Copper	ND	0.0060		mg/L	1	11/14/2010 12:48:49 PM
Iron	0.057	0.020		mg/L	1	11/17/2010 6:42:00 PM
Lead	ND	0.0050		mg/L	1	11/14/2010 12:48:49 PM
Magnesium	14	5.0		mg/L	5	11/14/2010 1:28:56 PM
Manganese	0.016	0.0020		mg/L	1	11/14/2010 12:48:49 PM
Potassium	ND	5.0		mg/L	5	11/14/2010 1:28:56 PM
Selenium	ND	0.25		mg/L	5	11/14/2010 1:28:56 PM
Silver	ND	0.0050		mg/L	1	11/14/2010 12:48:49 PM
Sodium	420	5.0		mg/L	5	11/14/2010 1:28:56 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 12:51:09 PM
Barium	0.26	0.020		mg/L	1	11/9/2010 12:51:09 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 12:51:09 PM
Chromium	0.0062	0.0060		mg/L	1	11/9/2010 12:51:09 PM
Copper	ND	0.0060		mg/L	1	11/9/2010 12:51:09 PM

[redacted]alifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Estimated value	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
NC Non-Chlorinated	ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit	S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 3:05:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Iron	6.4	0.50		mg/L	10	11/9/2010 2:26:58 PM
Lead	ND	0.0050		mg/L	1	11/9/2010 12:51:09 PM
Manganese	0.16	0.0020		mg/L	1	11/9/2010 12:51:09 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 12:51:09 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 12:51:09 PM
Zinc	0.027	0.020		mg/L	1	11/9/2010 12:51:09 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Acenaphthylene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Aniline	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Anthracene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Azobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benz(a)anthracene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benzoic acid	ND	20		µg/L	1	11/10/2010 1:29:02 PM
Benzyl alcohol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Carbazole	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Chloroaniline	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Chlorophenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Chrysene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Dibenzofuran	ND	10		µg/L	1	11/10/2010 1:29:02 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/10/2010 1:29:02 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 3:05:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Dimethyl phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/10/2010 1:29:02 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/10/2010 1:29:02 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/10/2010 1:29:02 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Fluoranthene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Fluorene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Hexachlorobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Hexachloroethane	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Isophorone	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Methylphenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
3+4-Methylphenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/10/2010 1:29:02 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/10/2010 1:29:02 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Naphthalene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Nitroaniline	ND	10		µg/L	1	11/10/2010 1:29:02 PM
3-Nitroaniline	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Nitroaniline	ND	20		µg/L	1	11/10/2010 1:29:02 PM
Nitrobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Nitrophenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Nitrophenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Pentachlorophenol	ND	20		µg/L	1	11/10/2010 1:29:02 PM
Phenanthrene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Phenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Pyrene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Pyridine	ND	10		µg/L	1	11/10/2010 1:29:02 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Surr: 2,4,6-Tribromophenol	74.1	17.5-104		%REC	1	11/10/2010 1:29:02 PM
Surr: 2-Fluorobiphenyl	69.8	30.9-98.9		%REC	1	11/10/2010 1:29:02 PM
Surr: 2-Fluorophenol	56.9	12.4-90.1		%REC	1	11/10/2010 1:29:02 PM
Surr: 4-Terphenyl-d14	74.1	43.5-91.9		%REC	1	11/10/2010 1:29:02 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 3:05:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	85.3	26.2-108		%REC	1	11/10/2010 1:29:02 PM
Surr: Phenol-d5	42.6	11.8-73.1		%REC	1	11/10/2010 1:29:02 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/4/2010 6:56:48 PM
Toluene	ND	1.0		µg/L	1	11/4/2010 6:56:48 PM
Ethylbenzene	ND	1.0		µg/L	1	11/4/2010 6:56:48 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/4/2010 6:56:48 PM
Xylenes, Total	ND	3.0		µg/L	1	11/4/2010 6:56:48 PM
Surr: 1,2-Dichloroethane-d4	96.2	77.7-113		%REC	1	11/4/2010 6:56:48 PM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/4/2010 6:56:48 PM
Surr: Dibromofluoromethane	98.8	91.6-125		%REC	1	11/4/2010 6:56:48 PM
Surr: Toluene-d8	97.6	92.3-107		%REC	1	11/4/2010 6:56:48 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011139
Project: 2010 4th Qtr
Lab ID: 1011139-06

Client Sample ID: Field Blank
Collection Date: 11/2/2010 9:00:00 AM
Date Received: 11/3/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/4/2010 6:26:09 PM
Surr: BFB	101	84.5-118		%REC	1	11/4/2010 6:26:09 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Toluene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Ethylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Naphthalene	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/4/2010 7:51:52 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/4/2010 7:51:52 PM
Acetone	ND	10		µg/L	1	11/4/2010 7:51:52 PM
Bromobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Bromoform	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Bromomethane	ND	3.0		µg/L	1	11/4/2010 7:51:52 PM
2-Butanone	ND	10		µg/L	1	11/4/2010 7:51:52 PM
Carbon disulfide	ND	10		µg/L	1	11/4/2010 7:51:52 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Chlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Chloroethane	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
Chloroform	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Chloromethane	ND	3.0		µg/L	1	11/4/2010 7:51:52 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Dibromomethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011139	**Collection Date:**	11/2/2010 9:00:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
2-Hexanone	ND	10		µg/L	1	11/4/2010 7:51:52 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/4/2010 7:51:52 PM
Methylene Chloride	ND	3.0		µg/L	1	11/4/2010 7:51:52 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Styrene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
Vinyl chloride	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Xylenes, Total	ND	1.5		µg/L	1	11/4/2010 7:51:52 PM
Surr: 1,2-Dichloroethane-d4	96.0	77.7-113		%REC	1	11/4/2010 7:51:52 PM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/4/2010 7:51:52 PM
Surr: Dibromofluoromethane	99.8	91.6-125		%REC	1	11/4/2010 7:51:52 PM
Surr: Toluene-d8	98.0	92.3-107		%REC	1	11/4/2010 7:51:52 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip blank
Lab Order:	1011139	**Collection Date:**	
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/4/2010 6:55:10 PM
Surr: BFB	101	84.5-118		%REC	1	11/4/2010 6:55:10 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Toluene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Ethylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Naphthalene	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/4/2010 8:19:19 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/4/2010 8:19:19 PM
Acetone	ND	10		µg/L	1	11/4/2010 8:19:19 PM
Bromobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Bromoform	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Bromomethane	ND	3.0		µg/L	1	11/4/2010 8:19:19 PM
2-Butanone	ND	10		µg/L	1	11/4/2010 8:19:19 PM
Carbon disulfide	ND	10		µg/L	1	11/4/2010 8:19:19 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Chlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Chloroethane	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
Chloroform	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Chloromethane	ND	3.0		µg/L	1	11/4/2010 8:19:19 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Dibromomethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip blank
Lab Order:	1011139	**Collection Date:**	
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
2-Hexanone	ND	10		µg/L	1	11/4/2010 8:19:19 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/4/2010 8:19:19 PM
Methylene Chloride	ND	3.0		µg/L	1	11/4/2010 8:19:19 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Styrene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
Vinyl chloride	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Xylenes, Total	ND	1.5		µg/L	1	11/4/2010 8:19:19 PM
Surr: 1,2-Dichloroethane-d4	95.8	77.7-113		%REC	1	11/4/2010 8:19:19 PM
Surr: 4-Bromofluorobenzene	96.1	76.4-106		%REC	1	11/4/2010 8:19:19 PM
Surr: Dibromofluoromethane	96.8	91.6-125		%REC	1	11/4/2010 8:19:19 PM
Surr: Toluene-d8	100	92.3-107		%REC	1	11/4/2010 8:19:19 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011139
Lab ID: B10110534-001
Client Sample ID 1011139-01C-1E, GWM-1

Report Date: 11/10/10
Collection Date: 11/02/10 09:10
DateReceived: 11/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.007	mg/L		0.001		SW6020	11/08/10 18:53 / jjw
METALS, TOTAL							
Uranium	0.009	mg/L		0.001		SW6020	11/09/10 05:58 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011139
Lab ID: B10110534-002
Client Sample ID 1011139-02C-02E, NAPIS-2

Report Date: 11/10/10
Collection Date: 11/02/10 10:15
DateReceived: 11/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/08/10 19:29 / jjw
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/09/10 08:02 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011139
Lab ID: B10110534-003
Client Sample ID 1011139-03C-03E, KA-3

Report Date: 11/10/10
Collection Date: 11/02/10 11:09
DateReceived: 11/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.002	mg/L		0.001		SW6020	11/08/10 19:33 / jjw
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	11/09/10 06:06 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011139
Lab ID: B10110534-004
Client Sample ID 1011139-04C-04E, NAPIS-3

Report Date: 11/10/10
Collection Date: 11/02/10 12:04
DateReceived: 11/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.035	mg/L		0.001		SW6020	11/08/10 19:42 / jjw
METALS, TOTAL							
Uranium	0.032	mg/L		0.001		SW6020	11/09/10 06:10 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011139
Lab ID: B10110534-005
Client Sample ID 1011139-05C-05E, NAPIS-1

Report Date: 11/10/10
Collection Date: 11/02/10 15:05
DateReceived: 11/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.034	mg/L		0.001		SW6020	11/08/10 19:46 / jjw
METALS, TOTAL							
Uranium	0.045	mg/L		0.001		SW6020	11/09/10 06:14 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011139

Report Date: 11/10/10
Work Order: B10110534

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_101108A	
Sample ID: ICSA-ME091229B		Interference Check Sample A							11/08/10 13:20	
Uranium		9.00E-06	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB							11/08/10 13:24	
Uranium		5.00E-06	mg/L	0.00030		0	0			
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard							11/08/10 14:05	
Uranium		0.0217	mg/L	0.00030	109	90	110			
Method: SW6020									Batch: 50323	
Sample ID: MB-50323		Method Blank				Run: ICPMS202-B_101108A			11/09/10 05:09	
Uranium		ND	mg/L	2E-05						
Sample ID: B10110503-001ADIL		Serial Dilution				Run: ICPMS202-B_101108A			11/09/10 05:17	
Uranium		ND	mg/L	0.0010		0	0		10	
Sample ID: LCS-50323		Laboratory Control Sample				Run: ICPMS202-B_101108A			11/09/10 05:21	
Uranium		0.495	mg/L	0.0010	99	85	115			
Sample ID: B10110503-001AMS3		Sample Matrix Spike				Run: ICPMS202-B_101108A			11/09/10 05:42	
Uranium		0.537	mg/L	0.0010	107	75	125			
Sample ID: B10110503-001AMSD3		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101108A			11/09/10 05:46	
Uranium		0.560	mg/L	0.0010	112	75	125	4.1	20	
Method: SW6020									Batch: R156853	
Sample ID: B10110534-001BMS		Sample Matrix Spike				Run: ICPMS202-B_101108A			11/08/10 19:13	
Uranium		0.311	mg/L	0.0010	122	75	125			
Sample ID: B10110534-001BMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101108A			11/08/10 19:17	
Uranium		0.300	mg/L	0.0010	117	75	125	3.6	20	
Sample ID: B10110534-003BDIL		Serial Dilution				Run: ICPMS202-B_101108A			11/08/10 19:38	
Uranium		0.00242	mg/L	0.0010		0	0			
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_101108A			11/08/10 14:13	
Uranium		0.0554	mg/L	0.00030	111	85	115			
Sample ID: LRB		Method Blank				Run: ICPMS202-B_101108A			11/08/10 14:42	
Uranium		ND	mg/L	2E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41948**	Analysis Date:	11/3/2010 10:23:47 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41948**	Analysis Date:	11/4/2010 2:38:45 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41989**	Analysis Date:	11/5/2010 12:38:19 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41989**	Analysis Date:	11/6/2010 4:18:30 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R41948**	Analysis Date:	11/3/2010 10:41:12 AM		
Fluoride	0.4754	mg/L	0.10	0.5	0	95.1	90	110			
Chloride	4.846	mg/L	0.50	5	0	96.9	90	110			
Nitrogen, Nitrite (As N)	0.9803	mg/L	0.10	1	0	98.0	90	110			
Nitrogen, Nitrate (As N)	2.430	mg/L	0.10	2.5	0	97.2	90	110			
Phosphorus, Orthophosphate (As P)	4.897	mg/L	0.50	5	0	97.9	90	110			
Sulfate	9.858	mg/L	0.50	10	0	98.6	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R41948**	Analysis Date:	11/4/2010 2:56:09 AM		
Fluoride	0.5329	mg/L	0.10	0.5	0	107	90	110			
Chloride	5.011	mg/L	0.50	5	0	100	90	110			
Nitrogen, Nitrite (As N)	1.042	mg/L	0.10	1	0	104	90	110			
Nitrogen, Nitrate (As N)	2.510	mg/L	0.10	2.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	5.226	mg/L	0.50	5	0	105	90	110			
Sulfate	10.13	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS-b		*LCS*				Batch ID:	**R41989**	Analysis Date:	11/6/2010 12:49:34 AM		
Fluoride	0.5224	mg/L	0.10	0.5	0	104	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS-b		*LCS*				Batch ID:	**R41989**	Analysis Date:		11/6/2010 12:49:34 AM	
Chloride	4.906	mg/L	0.50	5	0	98.1	90	110			
Nitrogen, Nitrite (As N)	1.028	mg/L	0.10	1	0	103	90	110			
Nitrogen, Nitrate (As N)	2.468	mg/L	0.10	2.5	0	98.7	90	110			
Phosphorus, Orthophosphate (As P)	5.028	mg/L	0.50	5	0	101	90	110			
Sulfate	9.937	mg/L	0.50	10	0	99.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R41989**	Analysis Date:		11/6/2010 4:35:55 AM	
Fluoride	0.4977	mg/L	0.10	0.5	0	99.5	90	110			
Chloride	4.902	mg/L	0.50	5	0	98.0	90	110			
Nitrogen, Nitrite (As N)	1.037	mg/L	0.10	1	0	104	90	110			
Nitrogen, Nitrate (As N)	2.468	mg/L	0.10	2.5	0	98.7	90	110			
Phosphorus, Orthophosphate (As P)	5.053	mg/L	0.50	5	0	101	90	110			
Sulfate	9.884	mg/L	0.50	10	0	98.8	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24384		*MBLK*				Batch ID:	**24384**	Analysis Date:		11/5/2010 8:59:17 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24384		*LCS*				Batch ID:	**24384**	Analysis Date:		11/5/2010 9:33:35 AM	
Diesel Range Organics (DRO)	5.694	mg/L	1.0	5	0	114	74	157			
Sample ID: LCSD-24384		*LCSD*				Batch ID:	**24384**	Analysis Date:		11/5/2010 10:08:30 A	
Diesel Range Organics (DRO)	5.501	mg/L	1.0	5	0	110	74	157	3.45	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41968**	Analysis Date:		11/4/2010 8:31:39 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41968**	Analysis Date:		11/4/2010 7:24:05 PM	
Gasoline Range Organics (GRO)	0.5586	mg/L	0.050	0.5	0	112	83.7	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R41968**	Analysis Date:		11/4/2010 7:53:03 PM	
Gasoline Range Organics (GRO)	0.5238	mg/L	0.050	0.5	0	105	83.7	124	6.43	12	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260: Volatiles Short List											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R41971**		**Analysis Date: 11/4/2010 10:14:30 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs		*LCS*				**Batch ID: R41971**		**Analysis Date: 11/4/2010 11:09:36 AM**			
Benzene	18.87	µg/L	1.0	20	0	94.4	84.6	109			
Toluene	21.61	µg/L	1.0	20	0	108	81	114			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1011139-01a msd		*MSD*				Batch ID:	R41971	Analysis Date:		11/4/2010 3:17:10 PM	
Benzene	24.81	µg/L	1.0	20	6.919	89.5	73.1	117	3.60	11.3	
Toluene	22.39	µg/L	1.0	20	2.309	100	82.9	109	8.68	11.6	
Chlorobenzene	20.01	µg/L	1.0	20	0	100	87.5	110	9.72	10.6	
1,1-Dichloroethene	19.60	µg/L	1.0	20	0	98.0	66.2	131	0.444	14.4	
Trichloroethene (TCE)	12.08	µg/L	1.0	20	0	60.4	67.1	110	3.08	11.2	S
Sample ID: 5ml rb		*MBLK*				Batch ID:	R41971	Analysis Date:		11/4/2010 10:14:30 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R41971**		**Analysis Date: 11/4/2010 10:14:30 AM**			
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2[redacted]chlorobenzene	ND	µg/L	1.0								
1,2[redacted]ichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				**Batch ID: R41971**		**Analysis Date: 11/4/2010 11:09:36 AM**			
Benzene	18.87	µg/L	1.0	20	0	94.4	84.6	109			
Toluene	21.61	µg/L	1.0	20	0	108	81	114			
Chlorobenzene	21.01	µg/L	1.0	20	0	105	85.2	113			
1,1-Dichloroethene	20.98	µg/L	1.0	20	0	105	79.6	124			
Trichloroethene (TCE)	16.83	µg/L	1.0	20	0	84.2	78.3	102			
Sample ID: 1011139-01a ms		*MS*				**Batch ID: R41971**		**Analysis Date: 11/4/2010 2:49:38 PM**			
Benzene	23.93	µg/L	1.0	20	6.919	85.1	73.1	117			
Toluene	20.52	µg/L	1.0	20	2.309	91.1	82.9	109			
Chlorobenzene	18.15	µg/L	1.0	20	0	90.8	87.5	110			
1,1-Dichloroethene	19.51	µg/L	1.0	20	0	97.6	66.2	131			
Trichloroethene (TCE)	12.46	µg/L	1.0	20	0	62.3	67.1	110			S

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24419		*MBLK*					**Batch ID: 24419**		**Analysis Date: 11/10/2010 10:01:04 AM**		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	5.0								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	5.0								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	5.0								
2,4-Dinitrotoluene	ND	µg/L	5.0								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	5.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24419		*MBLK*				Batch ID:	**24419**	Analysis Date:	11/10/2010 10:01:04 AM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pe[illegible]orophenol	ND	µg/L	5.0								
Phe[illegible]threne	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-24419		*LCS*				Batch ID:	**24419**	Analysis Date:	11/10/2010 10:30:41 AM		
Acenaphthene	83.36	µg/L	10	100	0	83.4	31	99.4			
4-Chloro-3-methylphenol	96.38	µg/L	10	100	0	96.4	34.3	111			
2-Chlorophenol	89.28	µg/L	10	100	0	89.3	24.1	98.7			
1,4-Dichlorobenzene	60.14	µg/L	10	100	0	60.1	20.6	85.6			
2,4-Dinitrotoluene	93.84	µg/L	10	100	0	93.8	26.6	126			
N-Nitrosodi-n-propylamine	88.92	µg/L	10	100	0	88.9	29.2	94.4			
4-Nitrophenol	57.20	µg/L	10	100	0	57.2	9.87	86			
Pentachlorophenol	86.02	µg/L	20	100	0	86.0	20	97.8			
Phenol	57.60	µg/L	10	100	0	57.6	17.5	60.5			
Pyrene	97.58	µg/L	10	100	0	97.6	46.8	92.2			S
1,2,4-Trichlorobenzene	79.22	µg/L	10	100	0	79.2	25.2	92.3			
Sample ID: lcsd-24419		*LCSD*				Batch ID:	**24419**	Analysis Date:	11/10/2010 11:00:22 AM		
Acenaphthene	84.14	µg/L	10	100	0	84.1	31	99.4	0.931	30	
4-Chloro-3-methylphenol	95.06	µg/L	10	100	0	95.1	34.3	111	1.38	30.8	
2-Chlorophenol	96.30	µg/L	10	100	0	96.3	24.1	98.7	7.57	31	
1,4-Dichlorobenzene	61.40	µg/L	10	100	0	61.4	20.6	85.6	2.07	37	
2,4[illegible]rotoluene	93.00	µg/L	10	100	0	93.0	26.6	126	0.899	34.5	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-24419		*LCSD*				Batch ID:	**24419**	Analysis Date:		11/10/2010 11:00:22 AM	
N-Nitrosodi-n-propylamine	92.20	µg/L	10	100	0	92.2	29.2	94.4	3.62	30.8	
4-Nitrophenol	52.66	µg/L	10	100	0	52.7	9.87	86	8.27	61.1	
Pentachlorophenol	81.32	µg/L	20	100	0	81.3	20	97.8	5.62	64.8	
Phenol	60.22	µg/L	10	100	0	60.2	17.5	60.5	4.45	31.4	
Pyrene	97.92	µg/L	10	100	0	97.9	46.8	92.2	0.348	29.8	S
1,2,4-Trichlorobenzene	76.08	µg/L	10	100	0	76.1	25.2	92.3	4.04	30.9	
Method: EPA Method 7470: Mercury											
Sample ID: MB-24457		*MBLK*				Batch ID:	**24457**	Analysis Date:		11/10/2010 12:27:25 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24457		*LCS*				Batch ID:	**24457**	Analysis Date:		11/10/2010 12:29:10 PM	
Mercury	0.005033	mg/L	0.00020	0.005	0	101	80	120			
Sample ID: LCS-24457		*LCS*				Batch ID:	**24457**	Analysis Date:		11/11/2010 9:25:21 AM	
Mercury	0.004998	mg/L	0.00020	0.005	0	100	80	120			

Qualifiers:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: 1011139-05DMSD		*MSD*				**Batch ID: R42136**		**Analysis Date: 11/14/2010 12:56:59 PM**			
Barium	0.6132	mg/L	0.020	0.5	0.1256	97.5	75	125	4.32	20	
Cadmium	0.5136	mg/L	0.0020	0.5	0	103	75	125	4.64	20	
Chromium	0.5058	mg/L	0.0060	0.5	0	101	75	125	4.53	20	
Copper	0.5380	mg/L	0.0060	0.5	0	108	75	125	4.77	20	
Lead	0.4927	mg/L	0.0050	0.5	0	98.6	75	125	3.96	20	
Manganese	0.5077	mg/L	0.0020	0.5	0.0157	98.4	75	125	4.50	20	
Silver	0.4791	mg/L	0.0050	0.5	0	95.8	75	125	4.15	20	
Sample ID: 1011139-05DMSD		*MSD*				**Batch ID: R42135**		**Analysis Date: 11/14/2010 1:34:51 PM**			
Arsenic	2.824	mg/L	0.10	2.5	0	113	75	125	1.89	20	
Calcium	342.5	mg/L	5.0	252.5	74.85	108	75	125	2.38	20	
Magnesium	282.6	mg/L	5.0	252.5	14.24	106	75	125	3.60	20	
Potassium	286.1	mg/L	5.0	275	1.394	104	75	125	2.58	20	
Selenium	2.832	mg/L	0.25	2.5	0	113	75	125	0.895	20	
Sample ID: MB		*MBLK*				**Batch ID: R42135**		**Analysis Date: 11/14/2010 10:56:35 AM**			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				**Batch ID: R42210**		**Analysis Date: 11/17/2010 5:58:09 PM**			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R42135**	Analysis Date:	11/14/2010 10:59:35 AM		
Arsenic	0.5359	mg/L	0.020	0.5	0	107	80	120			
Barium	0.5015	mg/L	0.020	0.5	0	100	80	120			
Cadmium	0.5194	mg/L	0.0020	0.5	0	104	80	120			
Calcium	51.65	mg/L	1.0	50.5	0	102	80	120			
Chromium	0.5074	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5246	mg/L	0.0060	0.5	0	105	80	120			
Iron	0.5149	mg/L	0.020	0.5	0.0138	100	80	120			
Lead	0.5109	mg/L	0.0050	0.5	0	102	80	120			
Magnesium	51.70	mg/L	1.0	50.5	0	102	80	120			
Manganese	0.4963	mg/L	0.0020	0.5	0	99.3	80	120			
Potassium	53.32	mg/L	1.0	55	0	96.9	80	120			
Selenium	0.5184	mg/L	0.050	0.5	0	104	80	120			
Silver	0.5046	mg/L	0.0050	0.5	0	101	80	120			
Sodium	49.87	mg/L	1.0	50.5	0.0415	98.7	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R42210**	Analysis Date:	11/17/2010 6:01:15 PM		
Arsenic	0.5089	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4912	mg/L	0.020	0.5	0	98.2	80	120			
Cadmium	0.5086	mg/L	0.0020	0.5	0	102	80	120			
Calcium	50.93	mg/L	1.0	50.5	0	101	80	120			
Chromium	0.5014	mg/L	0.0060	0.5	0	100	80	120			
Copper	0.5333	mg/L	0.0060	0.5	0	107	80	120			
Iron	0.4816	mg/L	0.020	0.5	0	96.3	80	120			
Lead	0.4936	mg/L	0.0050	0.5	0	98.7	80	120			
Magnesium	51.90	mg/L	1.0	50.5	0	103	80	120			
Manganese	0.4908	mg/L	0.0020	0.5	0	98.2	80	120			
Potassium	55.12	mg/L	1.0	55	0	100	80	120			
Selenium	0.5045	mg/L	0.050	0.5	0	101	80	120			
Silver	0.5163	mg/L	0.0050	0.5	0	103	80	120			
Sodium	51.21	mg/L	1.0	50.5	0	101	80	120			
Sample ID: 1011139-05DMS		*MS*				Batch ID:	**R42135**	Analysis Date:	11/14/2010 12:52:51 PM		
Barium	0.6402	mg/L	0.020	0.5	0.1256	103	75	125			
Cadmium	0.5380	mg/L	0.0020	0.5	0	108	75	125			
Chromium	0.5292	mg/L	0.0060	0.5	0	106	75	125			
Copper	0.5643	mg/L	0.0060	0.5	0	113	75	125			
Lead	0.5126	mg/L	0.0050	0.5	0	103	75	125			
Manganese	0.5310	mg/L	0.0020	0.5	0.0157	103	75	125			
Silver	0.4994	mg/L	0.0050	0.5	0	99.9	75	125			
Sample ID: 1011139-05DMS		*MS*				Batch ID:	**R42135**	Analysis Date:	11/14/2010 1:31:46 PM		
Arsenic	2.878	mg/L	0.10	2.5	0	115	75	125			
Calcium	334.5	mg/L	5.0	252.5	74.85	103	75	125			
Magnesium	272.6	mg/L	5.0	252.5	14.24	102	75	125			
Potassium	278.8	mg/L	5.0	275	1.394	101	75	125			
Selenium	2.807	mg/L	0.25	2.5	0	112	75	125			

Qualifiers:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-24431		*MBLK*				**Batch ID: 24431**		**Analysis Date: 11/9/2010 11:16:06 AM**			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-24431		*LCS*				**Batch ID: 24431**		**Analysis Date: 11/9/2010 11:19:20 AM**			
Arsenic	0.5346	mg/L	0.020	0.5	0	107	80	120			
Barium	0.4941	mg/L	0.020	0.5	0	98.8	80	120			
Cadmium	0.5132	mg/L	0.0020	0.5	0	103	80	120			
Chromium	0.5051	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5361	mg/L	0.0060	0.5	0	107	80	120			
Iron	0.5126	mg/L	0.050	0.5	0	103	80	120			
Lead	0.5035	mg/L	0.0050	0.5	0	101	80	120			
Manganese	0.4922	mg/L	0.0020	0.5	0.0001	98.4	80	120			
Selenium	0.5117	mg/L	0.050	0.5	0	102	80	120			
Silver	0.5110	mg/L	0.0050	0.5	0	102	80	120			
Zinc	0.5053	mg/L	0.020	0.5	0	101	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 11/3/2010

Work Order Number 1011139 | Received by: AMF

Checklist completed by: _____ Signature | 11/3/10 Date | Sample ID labels checked by: _____ Initials

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**2.9°**	*<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
Pt 3 Box 7
Mailing Address: Gallup NM
Phone #: 505 722 3833
email or Fax#: 505 722-0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 4th QTR
Project #: NAPIS + GWM-1
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 2.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss	Major Cations, Anions	8021B + MTBE	Air Bubbles (Y or N)
11/2/10	0900	WTR	Field Blank			-6										X						
	0910	WTR	GWM-1			1011139-1			X							X		X	X	X		
	0105		NAPIS-2			-2			|								X	|	|	|	X	
	1109		KA-3			-3			|								|	|	|	|	|	
	1204		Napis-3			-4			|								|	|	|	|	|	
	1505		NAPIS-1			-5			|								|	|	|	|	|	
			Trip Blank			-7										X							

Date	Time	Relinquished by:	Received by:	Date	Time
11/2/10	1410		Grace Price	11/2/10	1410
11/3/10	9:25			11/3/10	9:25

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.

8.0 DATA TABLES

8.1 Pilot Effluent, NAPIS Effluent, AL-2 to EP-1

8.2 Influent to AL-1, Influent to AL-2, Influent to EP-1

8.3 Leak Detection Units (LDU): East LDU, West LDU, Oil Sump LDU

8.4 OW-1, OW-109

8.5 OW-13, OW-14, OW-29, OW-30

8.6 OW-50, OW-52

8.7 GWM-1, GWM-2, GWM-3

8.8 NAPIS-1, NAPIS-2, NAPIS-3, KA-3

8.9 BW to EP-2

8.10 Evaporation Ponds (EP) 1 thru 12B

8.11 BW-1C, BW-2A, BW-2B, BW-2C, BW-3B, BW-3C

8.12 EP-2 INLET

8.13 MW-1, MW-2, MW-4, MW-5

8.14 OW-11, OW-12

8.15 SWM-2, SWM-4

8.16 PW-2, PW-3, PW-4

NAPIS 1-3
KA-3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, April 05, 2010

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 1st Qtr 2010

Order No.: 1003237

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 3/10/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

E-1 NAPIS 1-3
E-AA

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 1
Lab Order:	1003237	**Collection Date:**	3/8/2010 11:55:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/16/2010 6:14:04 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/16/2010 6:14:04 AM
Surr: DNOP	122	58-140		%REC	1	3/16/2010 6:14:04 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/13/2010 5:30:49 PM
Surr: BFB	91.0	55.2-107		%REC	1	3/13/2010 5:30:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	3/13/2010 5:30:49 PM
Toluene	ND	1.0		µg/L	1	3/13/2010 5:30:49 PM
Ethylbenzene	ND	1.0		µg/L	1	3/13/2010 5:30:49 PM
Xylenes, Total	ND	2.0		µg/L	1	3/13/2010 5:30:49 PM
Surr: 4-Bromofluorobenzene	93.8	65.9-130		%REC	1	3/13/2010 5:30:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	0.75	0.10		mg/L	1	3/29/2010 5:35:07 PM
Chloride	130	10		mg/L	20	3/29/2010 5:52:32 PM
Bromide	1.7	0.10		mg/L	1	3/29/2010 5:35:07 PM
Nitrate (As N)+Nitrite (As N)	2.0	1.0		mg/L	5	4/1/2010 4:48:01 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/29/2010 5:35:07 PM
Sulfate	52	10		mg/L	20	3/29/2010 5:52:32 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Acenaphthylene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Aniline	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Anthracene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Azobenzene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Benz(a)anthracene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Benzoic acid	ND	20		µg/L	1	3/12/2010 12:16:58 PM
Benzyl alcohol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/12/2010 12:16:58 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/12/2010 12:16:58 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 1
Lab Order:	1003237	**Collection Date:**	3/8/2010 11:55:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Butyl benzyl phthalate	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Carbazole	ND	10		µg/L	1	3/12/2010 12:16:58 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
4-Chloroaniline	ND	10		µg/L	1	3/12/2010 12:16:58 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
2-Chlorophenol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Chrysene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Di-n-butyl phthalate	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Dibenzofuran	ND	10		µg/L	1	3/12/2010 12:16:58 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Diethyl phthalate	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Dimethyl phthalate	ND	10		µg/L	1	3/12/2010 12:16:58 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/12/2010 12:16:58 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/12/2010 12:16:58 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/12/2010 12:16:58 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Fluoranthene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Fluorene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Hexachlorobenzene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Hexachloroethane	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Isophorone	ND	10		µg/L	1	3/12/2010 12:16:58 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
2-Methylphenol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
3+4-Methylphenol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/12/2010 12:16:58 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/12/2010 12:16:58 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Naphthalene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
2-Nitroaniline	ND	10		µg/L	1	3/12/2010 12:16:58 PM
3-Nitroaniline	ND	10		µg/L	1	3/12/2010 12:16:58 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 1
Lab Order:	1003237	**Collection Date:**	3/8/2010 11:55:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
4-Nitroaniline	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Nitrobenzene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
2-Nitrophenol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
4-Nitrophenol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Pentachlorophenol	ND	20		µg/L	1	3/12/2010 12:16:58 PM
Phenanthrene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Phenol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Pyrene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Pyridine	ND	10		µg/L	1	3/12/2010 12:16:58 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/12/2010 12:16:58 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/12/2010 12:16:58 PM
Surr: 2,4,6-Tribromophenol	49.4	16.6-150		%REC	1	3/12/2010 12:16:58 PM
Surr: 2-Fluorobiphenyl	43.0	19.6-134		%REC	1	3/12/2010 12:16:58 PM
Surr: 2-Fluorophenol	31.3	9.54-113		%REC	1	3/12/2010 12:16:58 PM
Surr: 4-Terphenyl-d14	38.2	22.7-145		%REC	1	3/12/2010 12:16:58 PM
Surr: Nitrobenzene-d5	37.8	14.6-134		%REC	1	3/12/2010 12:16:58 PM
Surr: Phenol-d5	23.3	10.7-80.3		%REC	1	3/12/2010 12:16:58 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 2
Lab Order:	1003237	**Collection Date:**	3/8/2010 9:36:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	3.8	1.0		mg/L	1	3/16/2010 6:50:00 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/16/2010 6:50:00 AM
Surr: DNOP	119	58-140		%REC	1	3/16/2010 6:50:00 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	1.0	0.50		mg/L	10	3/13/2010 10:03:22 PM
Surr: BFB	100	55.2-107		%REC	10	3/13/2010 10:03:22 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Benzene	82	10		µg/L	10	3/13/2010 10:03:22 PM
Toluene	ND	10		µg/L	10	3/13/2010 10:03:22 PM
Ethylbenzene	13	10		µg/L	10	3/13/2010 10:03:22 PM
Xylenes, Total	ND	20		µg/L	10	3/13/2010 10:03:22 PM
Surr: 4-Bromofluorobenzene	104	65.9-130		%REC	10	3/13/2010 10:03:22 PM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	1.4	0.10		mg/L	1	3/29/2010 6:09:57 PM
Chloride	320	10		mg/L	20	3/29/2010 6:27:22 PM
Bromide	1.0	0.10		mg/L	1	3/29/2010 6:09:57 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	4/1/2010 5:57:39 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/29/2010 6:09:57 PM
Sulfate	11	0.50		mg/L	1	3/29/2010 6:09:57 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Acenaphthylene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Aniline	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Anthracene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Azobenzene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Benz(a)anthracene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Benzo(a)pyrene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Benzoic acid	ND	100		µg/L	1	3/12/2010 4:22:26 PM
Benzyl alcohol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	3/12/2010 4:22:26 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	3/12/2010 4:22:26 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 2
Lab Order:	1003237	**Collection Date:**	3/8/2010 9:36:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Butyl benzyl phthalate	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Carbazole	ND	50		µg/L	1	3/12/2010 4:22:26 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
4-Chloroaniline	ND	50		µg/L	1	3/12/2010 4:22:26 PM
2-Chloronaphthalene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
2-Chlorophenol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Chrysene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Di-n-butyl phthalate	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Di-n-octyl phthalate	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Dibenzofuran	ND	50		µg/L	1	3/12/2010 4:22:26 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Diethyl phthalate	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Dimethyl phthalate	ND	50		µg/L	1	3/12/2010 4:22:26 PM
2,4-Dichlorophenol	ND	100		µg/L	1	3/12/2010 4:22:26 PM
2,4-Dimethylphenol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	3/12/2010 4:22:26 PM
2,4-Dinitrophenol	ND	100		µg/L	1	3/12/2010 4:22:26 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Fluoranthene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Fluorene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Hexachlorobenzene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Hexachlorobutadiene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Hexachloroethane	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Isophorone	ND	50		µg/L	1	3/12/2010 4:22:26 PM
2-Methylnaphthalene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
2-Methylphenol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
3+4-Methylphenol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	3/12/2010 4:22:26 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	3/12/2010 4:22:26 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Naphthalene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
2-Nitroaniline	ND	50		µg/L	1	3/12/2010 4:22:26 PM
3-Nitroaniline	ND	50		µg/L	1	3/12/2010 4:22:26 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 2
Lab Order:	1003237	**Collection Date:**	3/8/2010 9:36:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
4-Nitroaniline	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Nitrobenzene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
2-Nitrophenol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
4-Nitrophenol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Pentachlorophenol	ND	100		µg/L	1	3/12/2010 4:22:26 PM
Phenanthrene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Phenol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Pyrene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Pyridine	ND	50		µg/L	1	3/12/2010 4:22:26 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	3/12/2010 4:22:26 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/12/2010 4:22:26 PM
Surr: 2,4,6-Tribromophenol	72.9	16.6-150		%REC	1	3/12/2010 4:22:26 PM
Surr: 2-Fluorobiphenyl	72.9	19.6-134		%REC	1	3/12/2010 4:22:26 PM
Surr: 2-Fluorophenol	50.0	9.54-113		%REC	1	3/12/2010 4:22:26 PM
Surr: 4-Terphenyl-d14	61.8	22.7-145		%REC	1	3/12/2010 4:22:26 PM
Surr: Nitrobenzene-d5	69.9	14.6-134		%REC	1	3/12/2010 4:22:26 PM
Surr: Phenol-d5	39.8	10.7-80.3		%REC	1	3/12/2010 4:22:26 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	83	1.0		µg/L	1	3/16/2010 2:39:25 PM
Toluene	1.4	1.0		µg/L	1	3/16/2010 2:39:25 PM
Ethylbenzene	16	1.0		µg/L	1	3/16/2010 2:39:25 PM
Methyl tert-butyl ether (MTBE)	250	5.0		µg/L	5	3/18/2010 8:48:58 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Naphthalene	3.6	2.0		µg/L	1	3/16/2010 2:39:25 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/16/2010 2:39:25 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/16/2010 2:39:25 PM
Acetone	ND	10		µg/L	1	3/16/2010 2:39:25 PM
Bromobenzene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Bromoform	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Bromomethane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
2-Butanone	ND	10		µg/L	1	3/16/2010 2:39:25 PM
Carbon disulfide	ND	10		µg/L	1	3/16/2010 2:39:25 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Chlorobenzene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Chloroethane	ND	2.0		µg/L	1	3/16/2010 2:39:25 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
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- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 2
Lab Order:	1003237	**Collection Date:**	3/8/2010 9:36:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Chloroform	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Chloromethane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/16/2010 2:39:25 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Dibromomethane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,1-Dichloroethane	2.8	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/16/2010 2:39:25 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
2-Hexanone	ND	10		µg/L	1	3/16/2010 2:39:25 PM
Isopropylbenzene	2.8	1.0		µg/L	1	3/16/2010 2:39:25 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/16/2010 2:39:25 PM
Methylene Chloride	ND	3.0		µg/L	1	3/16/2010 2:39:25 PM
n-Butylbenzene	1.4	1.0		µg/L	1	3/16/2010 2:39:25 PM
n-Propylbenzene	4.2	1.0		µg/L	1	3/16/2010 2:39:25 PM
sec-Butylbenzene	2.2	1.0		µg/L	1	3/16/2010 2:39:25 PM
Styrene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/16/2010 2:39:25 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 2
Lab Order:	1003237	**Collection Date:**	3/8/2010 9:36:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/16/2010 2:39:25 PM
Vinyl chloride	ND	1.0		µg/L	1	3/16/2010 2:39:25 PM
Xylenes, Total	2.1	1.5		µg/L	1	3/16/2010 2:39:25 PM
Surr: 1,2-Dichloroethane-d4	99.2	54.6-141		%REC	1	3/16/2010 2:39:25 PM
Surr: 4-Bromofluorobenzene	126	60.1-133		%REC	1	3/16/2010 2:39:25 PM
Surr: Dibromofluoromethane	97.9	78.5-130		%REC	1	3/16/2010 2:39:25 PM
Surr: Toluene-d8	109	79.5-126		%REC	1	3/16/2010 2:39:25 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 3
Lab Order:	1003237	**Collection Date:**	3/8/2010 3:03:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/16/2010 7:25:58 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/16/2010 7:25:58 AM
Surr: DNOP	116	58-140		%REC	1	3/16/2010 7:25:58 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/13/2010 10:33:39 PM
Surr: BFB	94.8	55.2-107		%REC	1	3/13/2010 10:33:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	3/13/2010 10:33:39 PM
Toluene	ND	1.0		µg/L	1	3/13/2010 10:33:39 PM
Ethylbenzene	ND	1.0		µg/L	1	3/13/2010 10:33:39 PM
Xylenes, Total	ND	2.0		µg/L	1	3/13/2010 10:33:39 PM
Surr: 4-Bromofluorobenzene	98.9	65.9-130		%REC	1	3/13/2010 10:33:39 PM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	1.6	0.10		mg/L	1	3/29/2010 6:44:46 PM
Chloride	410	25		mg/L	50	4/1/2010 7:29:43 AM
Bromide	1.5	0.10		mg/L	1	3/29/2010 6:44:46 PM
Nitrate (As N)+Nitrite (As N)	5.5	1.0		mg/L	5	4/1/2010 6:15:04 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	3/29/2010 6:44:46 PM
Sulfate	90	10		mg/L	20	3/29/2010 7:02:11 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Acenaphthylene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Aniline	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Anthracene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Azobenzene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Benz(a)anthracene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Benzoic acid	ND	20		µg/L	1	3/12/2010 4:52:03 PM
Benzyl alcohol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/12/2010 4:52:03 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/12/2010 4:52:03 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E *Estimated value*
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H *Holding times for preparation or analysis exceeded*
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 3
Lab Order:	1003237	**Collection Date:**	3/8/2010 3:03:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Butyl benzyl phthalate	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Carbazole	ND	10		µg/L	1	3/12/2010 4:52:03 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
4-Chloroaniline	ND	10		µg/L	1	3/12/2010 4:52:03 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
2-Chlorophenol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Chrysene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Di-n-butyl phthalate	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Dibenzofuran	ND	10		µg/L	1	3/12/2010 4:52:03 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Diethyl phthalate	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Dimethyl phthalate	ND	10		µg/L	1	3/12/2010 4:52:03 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/12/2010 4:52:03 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/12/2010 4:52:03 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/12/2010 4:52:03 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Fluoranthene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Fluorene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Hexachlorobenzene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Hexachloroethane	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Isophorone	ND	10		µg/L	1	3/12/2010 4:52:03 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
2-Methylphenol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
3+4-Methylphenol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/12/2010 4:52:03 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/12/2010 4:52:03 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Naphthalene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
2-Nitroaniline	ND	10		µg/L	1	3/12/2010 4:52:03 PM
3-Nitroaniline	ND	10		µg/L	1	3/12/2010 4:52:03 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 3
Lab Order:	1003237	**Collection Date:**	3/8/2010 3:03:00 PM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
4-Nitroaniline	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Nitrobenzene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
2-Nitrophenol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
4-Nitrophenol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Pentachlorophenol	ND	20		µg/L	1	3/12/2010 4:52:03 PM
Phenanthrene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Phenol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Pyrene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Pyridine	ND	10		µg/L	1	3/12/2010 4:52:03 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/12/2010 4:52:03 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/12/2010 4:52:03 PM
Surr: 2,4,6-Tribromophenol	77.4	16.6-150		%REC	1	3/12/2010 4:52:03 PM
Surr: 2-Fluorobiphenyl	61.8	19.6-134		%REC	1	3/12/2010 4:52:03 PM
Surr: 2-Fluorophenol	41.3	9.54-113		%REC	1	3/12/2010 4:52:03 PM
Surr: 4-Terphenyl-d14	64.4	22.7-145		%REC	1	3/12/2010 4:52:03 PM
Surr: Nitrobenzene-d5	56.2	14.6-134		%REC	1	3/12/2010 4:52:03 PM
Surr: Phenol-d5	35.0	10.7-80.3		%REC	1	3/12/2010 4:52:03 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA 3
Lab Order:	1003237	**Collection Date:**	3/8/2010 8:21:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/16/2010 8:02:10 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/16/2010 8:02:10 AM
Surr: DNOP	122	58-140		%REC	1	3/16/2010 8:02:10 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.47	0.050		mg/L	1	3/13/2010 11:03:49 PM
Surr: BFB	116	55.2-107	S	%REC	1	3/13/2010 11:03:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Benzene	72	1.0		µg/L	1	3/13/2010 11:03:49 PM
Toluene	ND	1.0		µg/L	1	3/13/2010 11:03:49 PM
Ethylbenzene	1.0	1.0		µg/L	1	3/13/2010 11:03:49 PM
Xylenes, Total	ND	2.0		µg/L	1	3/13/2010 11:03:49 PM
Surr: 4-Bromofluorobenzene	104	65.9-130		%REC	1	3/13/2010 11:03:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	0.46	0.10		mg/L	1	3/29/2010 7:19:35 PM
Chloride	1000	50		mg/L	100	4/1/2010 7:47:07 AM
Bromide	4.4	0.10		mg/L	1	3/29/2010 7:19:35 PM
Nitrate (As N)+Nitrite (As N)	17	4.0		mg/L	20	4/1/2010 6:32:29 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	3/29/2010 7:19:35 PM
Sulfate	400	10		mg/L	20	3/29/2010 8:11:49 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Acenaphthylene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Aniline	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Anthracene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Azobenzene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Benz(a)anthracene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Benzo(a)pyrene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Benzoic acid	ND	20		µg/L	1	3/12/2010 12:46:12 PM
Benzyl alcohol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	3/12/2010 12:46:12 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	3/12/2010 12:46:12 PM

Qualifiers:

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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA 3
Lab Order:	1003237	**Collection Date:**	3/8/2010 8:21:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Butyl benzyl phthalate	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Carbazole	ND	10		µg/L	1	3/12/2010 12:46:12 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
4-Chloroaniline	ND	10		µg/L	1	3/12/2010 12:46:12 PM
2-Chloronaphthalene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
2-Chlorophenol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Chrysene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Di-n-butyl phthalate	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Di-n-octyl phthalate	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Dibenzofuran	ND	10		µg/L	1	3/12/2010 12:46:12 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Diethyl phthalate	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Dimethyl phthalate	ND	10		µg/L	1	3/12/2010 12:46:12 PM
2,4-Dichlorophenol	ND	20		µg/L	1	3/12/2010 12:46:12 PM
2,4-Dimethylphenol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	3/12/2010 12:46:12 PM
2,4-Dinitrophenol	ND	20		µg/L	1	3/12/2010 12:46:12 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Fluoranthene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Fluorene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Hexachlorobenzene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Hexachlorobutadiene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Hexachloroethane	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Isophorone	ND	10		µg/L	1	3/12/2010 12:46:12 PM
2-Methylnaphthalene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
2-Methylphenol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
3+4-Methylphenol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	3/12/2010 12:46:12 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	3/12/2010 12:46:12 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Naphthalene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
2-Nitroaniline	ND	10		µg/L	1	3/12/2010 12:46:12 PM
3-Nitroaniline	ND	10		µg/L	1	3/12/2010 12:46:12 PM

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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA 3
Lab Order:	1003237	**Collection Date:**	3/8/2010 8:21:00 AM
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
4-Nitroaniline	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Nitrobenzene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
2-Nitrophenol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
4-Nitrophenol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Pentachlorophenol	ND	20		µg/L	1	3/12/2010 12:46:12 PM
Phenanthrene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Phenol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Pyrene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Pyridine	ND	10		µg/L	1	3/12/2010 12:46:12 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	3/12/2010 12:46:12 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	3/12/2010 12:46:12 PM
Surr: 2,4,6-Tribromophenol	92.8	16.6-150		%REC	1	3/12/2010 12:46:12 PM
Surr: 2-Fluorobiphenyl	99.9	19.6-134		%REC	1	3/12/2010 12:46:12 PM
Surr: 2-Fluorophenol	69.9	9.54-113		%REC	1	3/12/2010 12:46:12 PM
Surr: 4-Terphenyl-d14	64.4	22.7-145		%REC	1	3/12/2010 12:46:12 PM
Surr: Nitrobenzene-d5	93.7	14.6-134		%REC	1	3/12/2010 12:46:12 PM
Surr: Phenol-d5	51.6	10.7-80.3		%REC	1	3/12/2010 12:46:12 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1003237	**Collection Date:**	
Project:	1st Qtr 2010	**Date Received:**	3/10/2010
Lab ID:	1003237-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/13/2010 11:34:08 PM
Surr: BFB	92.1	55.2-107		%REC	1	3/13/2010 11:34:08 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	3/13/2010 11:34:08 PM
Toluene	ND	1.0		µg/L	1	3/13/2010 11:34:08 PM
Ethylbenzene	ND	1.0		µg/L	1	3/13/2010 11:34:08 PM
Xylenes, Total	ND	2.0		µg/L	1	3/13/2010 11:34:08 PM
Surr: 4-Bromofluorobenzene	96.1	65.9-130		%REC	1	3/13/2010 11:34:08 PM

Qualifiers:

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number	100317003-001	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-01D / NAPIS 1	**Sampling Time**	11:55 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Barium	0.133	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Cadmium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Chromium	0.00106	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Copper	0.00264	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Iron	0.548	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Lead	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Manganese	0.0147	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Mercury	ND	mg/L	0.0001	3/23/2010	CAS	EPA 7470A	
Selenium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Silver	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Uranium	0.0273	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Zinc	0.00485	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number	100317003-002	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010	10:45 AM
Client Sample ID	1003237-01E / NAPIS 1	**Sampling Time**	11:55 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Barium	0.129	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Cadmium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Chromium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Copper	0.00254	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Iron	0.135	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Lead	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Manganese	0.0155	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Mercury	ND	mg/L	0.0001	3/23/2010	CAS	EPA 7470A	
Selenium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Silver	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Uranium	0.0266	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Zinc	0.00428	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100317003
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003237
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100317003-003	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-01F / NAPIS 1	**Sampling Time**	11:55 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00108	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Barium	0.139	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Cadmium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Calcium	65.5	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Chromium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Copper	0.00205	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Iron	ND	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Dissolved Lead	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Magnesium	11.5	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Manganese	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Potassium	0.829	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Selenium	0.00124	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Sodium	322	mg/L	1	3/30/2010	ETL	EPA 6010B	
Dissolved Uranium	0.0279	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Zinc	0.0258	mg/L	0.001	3/22/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100317003
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003237
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100317003-004	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-01G / NAPIS 1	**Sampling Time**	11:55 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00113	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Barium	0.122	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Cadmium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Calcium	64.7	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Chromium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Copper	0.00248	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Iron	ND	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Dissolved Lead	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Magnesium	11.3	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Manganese	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Potassium	0.820	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Selenium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Sodium	323	mg/L	1	3/30/2010	ETL	EPA 6010B	
Dissolved Uranium	0.0266	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Zinc	0.0320	mg/L	0.001	3/22/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100317003
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003237
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100317003-005	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-02D / NAPIS 2	**Sampling Time**	9:36 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	0.00457	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Barium	2.07	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Cadmium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Chromium	0.00105	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Copper	0.00246	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Iron	4.71	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Lead	0.00138	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Manganese	1.25	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Mercury	ND	mg/L	0.0001	3/23/2010	CAS	EPA 7470A	
Selenium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Silver	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Uranium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Zinc	0.00707	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number	100317003-006	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010	10:45 AM
Client Sample ID	1003237-02E / NAPIS 2	**Sampling Time**	9:36 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	0.00570	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Barium	1.90	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Cadmium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Chromium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Copper	0.00200	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Iron	4.54	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Lead	0.00127	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Manganese	1.20	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Mercury	ND	mg/L	0.0001	3/23/2010	CAS	EPA 7470A	
Selenium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Silver	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Uranium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Zinc	0.00592	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number	100317003-007	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010	10:45 AM
Client Sample ID	1003237-02F / NAPIS 2	**Sampling Time**	9:36 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00473	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Barium	1.73	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Cadmium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Calcium	85.0	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Chromium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Copper	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Iron	3.82	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Dissolved Lead	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Magnesium	15.7	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Manganese	1.06	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Potassium	0.278	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Selenium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Sodium	319	mg/L	1	3/30/2010	ETL	EPA 6010B	
Dissolved Uranium	ND	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Zinc	0.0531	mg/L	0.001	3/22/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100317003
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003237
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100317003-008	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-02G / NAPIS 2	**Sampling Time**	9:36 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00622	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Barium	1.41	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Cadmium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Calcium	68.3	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Chromium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Copper	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Iron	3.22	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Dissolved Lead	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Magnesium	12.5	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Manganese	0.991	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Potassium	0.225	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Selenium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Sodium	291	mg/L	1	3/30/2010	ETL	EPA 6010B	
Dissolved Uranium	ND	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Zinc	0.0298	mg/L	0.001	3/22/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100317003
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003237
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100317003-009	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-03D / NAPIS 3	**Sampling Time**	3:03 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	0.0110	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Barium	0.335	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Cadmium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Chromium	0.00136	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Copper	0.0114	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Iron	2.35	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Lead	0.00303	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Manganese	2.10	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Mercury	ND	mg/L	0.0001	3/23/2010	CAS	EPA 7470A	
Selenium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Silver	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Uranium	0.00652	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Zinc	0.0211	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100317003
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003237
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100317003-010	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-03E / NAPIS 3	**Sampling Time**	3:03 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	0.0109	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Barium	0.367	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Cadmium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Chromium	0.00330	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Copper	0.0181	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Iron	2.98	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Lead	0.00645	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Manganese	2.00	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Mercury	ND	mg/L	0.0001	3/25/2010	CAS	EPA 7470A	
Selenium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Silver	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Uranium	0.00824	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Zinc	0.0348	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number	100317003-011	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-03F / NAPIS 3	**Sampling Time**	3:03 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00976	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Barium	0.344	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Cadmium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Calcium	96.2	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Chromium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Copper	0.00428	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Iron	1.55	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Dissolved Lead	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Magnesium	15.6	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Manganese	1.86	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Potassium	1.20	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Selenium	0.00102	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Sodium	385	mg/L	1	3/30/2010	ETL	EPA 6010B	
Dissolved Uranium	0.00696	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Zinc	0.0382	mg/L	0.001	3/22/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number	100317003-012	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-03G / NAPIS 3	**Sampling Time**	3:03 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.0101	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Barium	0.345	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Cadmium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Calcium	96.3	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Chromium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Copper	0.00527	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Iron	1.52	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Dissolved Lead	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Magnesium	15.6	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Manganese	1.83	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Potassium	1.21	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Selenium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Sodium	384	mg/L	1	3/30/2010	ETL	EPA 6010B	
Dissolved Uranium	0.00763	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Zinc	0.0573	mg/L	0.001	3/22/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number	100317003-013	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010	10:45 AM	
Client Sample ID	1003237-04D / KA 3	**Sampling Time**	8:21 AM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	0.00158	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Barium	0.0979	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Cadmium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Chromium	0.00396	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Copper	0.00319	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Iron	0.338	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Lead	0.00123	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Manganese	0.0176	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Mercury	ND	mg/L	0.0001	3/25/2010	CAS	EPA 7470A	
Selenium	0.00373	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Silver	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Uranium	0.0319	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Zinc	0.00941	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100317003
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003237
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100317003-014	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-04E / KA3	**Sampling Time**	8:21 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Arsenic	0.00160	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Barium	0.0971	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Cadmium	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Chromium	0.00416	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Copper	0.00374	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Iron	0.368	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Lead	0.00186	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Manganese	0.0171	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Mercury	ND	mg/L	0.0001	3/25/2010	CAS	EPA 7470A	
Selenium	0.00412	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Silver	ND	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Uranium	0.0312	mg/L	0.001	3/23/2010	JTT	EPA 6020A	
Zinc	0.0140	mg/L	0.001	3/23/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100317003
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003237
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100317003-015	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-04F / KA3	**Sampling Time**	8:21 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00312	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Barium	0.0641	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Cadmium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Calcium	41.5	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Chromium	0.00271	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Copper	0.00222	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Iron	ND	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Dissolved Lead	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Magnesium	6.80	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Manganese	0.00138	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Potassium	4.49	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Selenium	0.00364	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Sodium	835	mg/L	1	3/30/2010	ETL	EPA 6010B	
Dissolved Uranium	0.0296	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Zinc	0.0340	mg/L	0.001	3/22/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number	100317003-016	**Sampling Date**	3/8/2010	**Date/Time Received**	3/12/2010 10:45 AM
Client Sample ID	1003237-04G / KA3	**Sampling Time**	8:21 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Arsenic	0.00314	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Barium	0.0652	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Cadmium	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Calcium	41.6	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Chromium	0.00265	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Copper	0.00206	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Iron	ND	mg/L	0.01	3/30/2010	ETL	EPA 6010B	
Dissolved Lead	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Magnesium	6.81	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Manganese	ND	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Potassium	4.52	mg/L	0.1	3/30/2010	ETL	EPA 6010B	
Dissolved Selenium	0.00414	mg/L	0.001	3/22/2010	JTT	EPA 6020A	
Dissolved Sodium	831	mg/L	1	3/30/2010	ETL	EPA 6010B	
Dissolved Uranium	0.0297	mg/L	0.001	3/24/2010	JTT	EPA 6020A	
Dissolved Zinc	0.0447	mg/L	0.001	3/22/2010	JTT	EPA 6020A	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003237

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1003237-04CMSD		*MSD*				Batch ID: **R37974**		Analysis Date:		3/29/2010 7:54:24 PM	
Fluoride	0.9363	mg/L	0.10	0.5	0.4648	94.3	75.3	117	1.79	20	
Bromide	6.471	mg/L	0.10	2.5	4.431	81.6	89	110	0.262	20	S
Phosphorus, Orthophosphate (As P)	4.398	mg/L	0.50	5	0	88.0	74.5	116	0.908	20	
Sample ID: MB		*MBLK*				Batch ID: **R37974**		Analysis Date:		3/29/2010 10:37:21 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R38019**		Analysis Date:		3/31/2010 12:33:05 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R38019**		Analysis Date:		3/31/2010 11:17:15 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R38021**		Analysis Date:		3/31/2010 3:49:33 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID: **R37974**		Analysis Date:		3/29/2010 10:54:46 AM	
Fluoride	0.5384	mg/L	0.10	0.5	0	108	90	110			
Chloride	4.814	mg/L	0.50	5	0	96.3	90	110			
Bromide	2.374	mg/L	0.10	2.5	0	95.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.423	mg/L	0.20	3.5	0	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.950	mg/L	0.50	5	0	99.0	90	110			
Sulfate	10.25	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				Batch ID: **R38019**		Analysis Date:		3/31/2010 12:50:29 PM	
Fluoride	0.5193	mg/L	0.10	0.5	0	104	90	110			
Chloride	4.885	mg/L	0.50	5	0	97.7	90	110			
Bromide	2.466	mg/L	0.10	2.5	0	98.7	90	110			
Nitrate (As N)+Nitrite (As N)	3.468	mg/L	0.20	3.5	0	99.1	90	110			
Phosphorus, Orthophosphate (As P)	4.940	mg/L	0.50	5	0	98.8	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003237

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R38019**	Analysis Date:		3/31/2010 12:50:29 PM	
Sulfate	10.12	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38019**	Analysis Date:		3/31/2010 11:34:39 PM	
Fluoride	0.5179	mg/L	0.10	0.5	0	104	90	110			
Chloride	4.981	mg/L	0.50	5	0	99.6	90	110			
Bromide	2.514	mg/L	0.10	2.5	0	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.527	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.051	mg/L	0.50	5	0	101	90	110			
Sulfate	10.35	mg/L	0.50	10	0	104	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38021**	Analysis Date:		3/31/2010 4:06:58 PM	
Fluoride	0.4757	mg/L	0.10	0.5	0	95.1	90	110			
Chloride	4.661	mg/L	0.50	5	0	93.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.301	mg/L	0.20	3.5	0	94.3	90	110			
Phosphorus, Orthophosphate (As P)	4.764	mg/L	0.50	5	0	95.3	90	110			
Sulfate	9.617	mg/L	0.50	10	0	96.2	90	110			
Sample ID: 1003237-04CMS		*MS*				Batch ID:	**R37974**	Analysis Date:		3/29/2010 7:36:59 PM	
Fluoride	0.9197	mg/L	0.10	0.5	0.4648	91.0	75.3	117			
Bromide	6.454	mg/L	0.10	2.5	4.431	80.9	89	110			S
Phosphorus, Orthophosphate (As P)	4.438	mg/L	0.50	5	0	88.8	74.5	116			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21634		*MBLK*				Batch ID:	**21634**	Analysis Date:		3/15/2010 6:42:26 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21634		*LCS*				Batch ID:	**21634**	Analysis Date:		3/15/2010 7:18:54 PM	
Diesel Range Organics (DRO)	6.196	mg/L	1.0	5	0	124	74	157			
Sample ID: LCSD-21634		*LCSD*				Batch ID:	**21634**	Analysis Date:		3/16/2010 4:27:33 PM	
Diesel Range Organics (DRO)	6.293	mg/L	1.0	5	0	126	74	157	1.55	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37757**	Analysis Date:		3/13/2010 10:26:13 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37757**	Analysis Date:		3/14/2010 5:06:41 AM	
Gasoline Range Organics (GRO)	0.4232	mg/L	0.050	0.5	0	84.6	80	115			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003237

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37757**	Analysis Date:	3/13/2010 10:26:13 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R37757**	Analysis Date:	3/13/2010 6:31:20 PM		
Benzene	19.52	µg/L	1.0	20	0	97.6	85.9	113			
Toluene	18.65	µg/L	1.0	20	0	93.3	86.4	113			
Ethylbenzene	18.63	µg/L	1.0	20	0	93.2	83.5	118			
Xylenes, Total	55.94	µg/L	2.0	60	0	93.2	83.4	122			

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003237

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b5		*MBLK*					**Batch ID: R37793**		**Analysis Date: 3/16/2010 11:08:37 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
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:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003237

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b5		*MBLK*				Batch ID: **R37793**		Analysis Date:	3/16/2010 11:08:37 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-Dichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID: **R37822**		Analysis Date:	3/18/2010 1:28:33 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:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003237

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R37822**		Analysis Date: 3/18/2010 1:28:33 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: **R37793**		Analysis Date: 3/16/2010 12:13:53 PM			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003237

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R37793**	Analysis Date:	3/16/2010 12:13:53 PM		
Benzene	20.05	µg/L	1.0	20	0	100	76.7	114			
Toluene	21.93	µg/L	1.0	20	0	110	78.4	117			
Chlorobenzene	21.08	µg/L	1.0	20	0	105	80.7	127			
1,1-Dichloroethene	23.09	µg/L	1.0	20	0	115	80.2	128			
Trichloroethene (TCE)	18.55	µg/L	1.0	20	0	92.8	77.4	115			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R37822**	Analysis Date:	3/18/2010 3:55:03 PM		
Benzene	20.77	µg/L	1.0	20	0	104	76.7	114			
Toluene	21.25	µg/L	1.0	20	0	106	78.4	117			
Chlorobenzene	22.21	µg/L	1.0	20	0	111	80.7	127			
1,1-Dichloroethene	25.23	µg/L	1.0	20	0	126	80.2	128			
Trichloroethene (TCE)	20.03	µg/L	1.0	20	0	100	77.4	115			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003237

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21624		*MBLK*					Batch ID: **21624**		Analysis Date: 3/12/2010 11:48:02 AM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	5.0								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	5.0								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	5.0								
2,4-Dinitrotoluene	ND	µg/L	5.0								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	5.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 1st Qtr 2010 **Work Order:** 1003237

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: *mb-21624*		*MBLK*					Batch ID: **21624**		Analysis Date: 3/12/2010 11:48:02 AM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pe[illegible]lorophenol	ND	µg/L	5.0								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **3/10/2010**

Work Order Number **1003237** Received by: **ARS**

Checklist completed by: _____ 3/10/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☑ (p)		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**0.6°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

_____

_____

_____

_____

Corrective Action _____

_____

_____

Chain-of-Custody Record

Client: Gallup Refining Western Refining

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505-722-3833

email or Fax#: 505-722-0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: 1st QTR 2010

Project #: NAPIS Wells

Project Manager: G Rajen

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.0 °C

HEAL No: 1003251

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Water Metals Total	Water Metals (Diss)	Cations, Anions		Air Bubbles (Y or N)
3/8/10	1155	H2O	NAPIS 1	40ml-(3)	HCl	1	X															
				40ml-(3)	HCl	1			X													
				1L Amber	None	1											X					
				500ml (2)	HNO3	1												X				
				125ml (2)	HNO3	1													X			
				250ml (1)	None	1														X		
				125ml (1)	H2SO4	1														X		
	1236		NAPIS 2	40ml-3	HCl	2	X															
				40ml-3	HCl	2			X													
				1L Amber	None	2											X					
				500ml-2	HNO3	2												X				
				125ml-2	HNO3	2													X			

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/8/10	1200			3/10/10	10:15
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

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
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package: X Standard ☐ Level 4 (Full Validation)
Accreditation ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: X ☐ Standard ☐ Rush
Project Name: 1st Qtr 2010
Project #: NAPIS Wells
Project Manager: G Rajen
Sampler: C Johnson
On Ice: Yes No
Sample Temperature: 0.5 °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. 1003237	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Cations Anions	10 Dec Metals - Total	10 Dec Metals - Diss		Air Bubbles (Y or N)
3/8/10	0936	H2O	NAPIS 2	250ml-1	None	2												X				
	"			125ml-1	H2SO4	2												X				
	1503		NAPIS 3	40ml-3	HCl	3	X															
				40ml-3	HCl	3			X													
				1L Amber	None	3											X					
				500ml-2	HNO3	3													X			
				125ml-2	HNO3	3														X		
				250ml-1	None	3												X				
				125ml-1	H2SO4	3												X				
	0821		KA3	40ml-3	Acl	4	X															
	"			40ml-3	HCl	4			X													
				1L Amber	None	4											X					

Remarks:

Date	Time	Relinquished by:	Received by:	Date	Time
3/8/10	1600			3/10/10	10:15
Date:	Time:	Relinquished by:	Received by:	Date	Time

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Western Refining
Gallup Refinery
Mailing Address: Rt 3 Box 7
Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 1ST QTR 2010
Project #: NOAPIS Wells
Project Manager: G Rajen
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 4.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel: 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1005237
3/8/10	0821	H2O	KA3	500ml-2	HNO3	4
"	"	"	"	125ml-2	HNO3	4
"	"	"	"	250ml-1	None	4
"	"	"	"	125ml-1	H2SO4	4
			Trip Blank			5

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	10 DEC Metals - Total	10 DEC Metals - Diss	Cations, Anions		Air Bubbles (Y or N)
											X				
												X			
													X		
													X		

Date	Time	Relinquished by:	Received by:	Date	Time
3/8/10	1600				
Date:	Time:	Relinquished by:	Received by:	3/10/10	10:15

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.

Napis 1-3
KA-3

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, June 28, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2nd Qtr NAPIS

Order No.: 1006415

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 6/11/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 1
Lab Order:	1006415	**Collection Date:**	6/8/2010 2:50:00 PM
Project:	2nd Qtr NAPIS	**Date Received:**	6/11/2010
Lab ID:	1006415-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/18/2010 12:07:31 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/18/2010 12:07:31 PM
Surr: DNOP	126	86.9-151		%REC	1	6/18/2010 12:07:31 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/18/2010 3:43:45 PM
Surr: BFB	89.0	55.2-107		%REC	1	6/18/2010 3:43:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	6/18/2010 3:43:45 PM
Benzene	ND	1.0		µg/L	1	6/18/2010 3:43:45 PM
Toluene	ND	1.0		µg/L	1	6/18/2010 3:43:45 PM
Ethylbenzene	ND	1.0		µg/L	1	6/18/2010 3:43:45 PM
Xylenes, Total	ND	2.0		µg/L	1	6/18/2010 3:43:45 PM
Surr: 4-Bromofluorobenzene	97.0	65.9-130		%REC	1	6/18/2010 3:43:45 PM
EPA METHOD 8310: PAHS						Analyst: **SCC**
Naphthalene	ND	2.0		µg/L	1	6/16/2010 6:32:49 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	6/16/2010 6:32:49 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	6/16/2010 6:32:49 PM
Acenaphthylene	ND	2.5		µg/L	1	6/16/2010 6:32:49 PM
Acenaphthene	ND	5.0		µg/L	1	6/16/2010 6:32:49 PM
Fluorene	ND	0.80		µg/L	1	6/16/2010 6:32:49 PM
Phenanthrene	ND	0.60		µg/L	1	6/16/2010 6:32:49 PM
Anthracene	ND	0.60		µg/L	1	6/16/2010 6:32:49 PM
Fluoranthene	ND	0.30		µg/L	1	6/16/2010 6:32:49 PM
Pyrene	ND	0.30		µg/L	1	6/16/2010 6:32:49 PM
Benz(a)anthracene	ND	0.070		µg/L	1	6/16/2010 6:32:49 PM
Chrysene	ND	0.20		µg/L	1	6/16/2010 6:32:49 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/16/2010 6:32:49 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/16/2010 6:32:49 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	6/16/2010 6:32:49 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	6/16/2010 6:32:49 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	6/16/2010 6:32:49 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	6/16/2010 6:32:49 PM
Surr: Benzo(e)pyrene	41.8	28.3-111		%REC	1	6/16/2010 6:32:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	0.73	0.10		mg/L	1	6/15/2010 1:34:27 AM
Chloride	170	10		mg/L	20	6/15/2010 1:51:52 AM
Bromide	2.2	0.10		mg/L	1	6/15/2010 1:34:27 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS 1
Lab Order:	1006415	**Collection Date:**	6/8/2010 2:50:00 PM
Project:	2nd Qtr NAPIS	**Date Received:**	6/11/2010
Lab ID:	1006415-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Nitrate (As N)+Nitrite (As N)	4.0	1.0		mg/L	5	6/24/2010 12:38:02 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	6/15/2010 1:34:27 AM
Sulfate	56	10		mg/L	20	6/15/2010 1:51:52 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	6/15/2010 5:16:14 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 6:58:40 PM
Barium	0.13	0.020		mg/L	1	6/15/2010 6:58:40 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 6:58:40 PM
Calcium	72	1.0		mg/L	1	6/17/2010 11:55:18 AM
Chromium	ND	0.0060		mg/L	1	6/15/2010 6:58:40 PM
Lead	ND	0.0050		mg/L	1	6/15/2010 6:58:40 PM
Magnesium	13	1.0		mg/L	1	6/17/2010 11:55:18 AM
Potassium	ND	1.0		mg/L	1	6/17/2010 11:55:18 AM
Selenium	ND	0.050		mg/L	1	6/15/2010 6:58:40 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 6:58:40 PM
Sodium	370	5.0		mg/L	5	6/17/2010 11:59:16 AM
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 5:33:21 PM
Barium	0.18	0.020		mg/L	1	6/15/2010 5:33:21 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 5:33:21 PM
Chromium	ND	0.0060		mg/L	1	6/15/2010 5:33:21 PM
Lead	ND	0.0050		mg/L	1	6/15/2010 5:33:21 PM
Selenium	ND	0.050		mg/L	1	6/15/2010 5:33:21 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 5:33:21 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1800	0.010		µmhos/cm	1	6/11/2010 9:23:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.86	0.1		pH units	1	6/11/2010 9:23:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA3
Lab Order:	1006415	**Collection Date:**	6/10/2010 10:53:00 AM
Project:	2nd Qtr NAPIS	**Date Received:**	6/11/2010
Lab ID:	1006415-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	6/18/2010 1:15:46 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/18/2010 1:15:46 PM
Surr: DNOP	118	86.9-151		%REC	1	6/18/2010 1:15:46 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/18/2010 4:14:06 PM
Surr: BFB	80.9	55.2-107		%REC	1	6/18/2010 4:14:06 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	6/18/2010 4:14:06 PM
Benzene	ND	1.0		µg/L	1	6/18/2010 4:14:06 PM
Toluene	ND	1.0		µg/L	1	6/18/2010 4:14:06 PM
Ethylbenzene	ND	1.0		µg/L	1	6/18/2010 4:14:06 PM
Xylenes, Total	ND	2.0		µg/L	1	6/18/2010 4:14:06 PM
Surr: 4-Bromofluorobenzene	87.3	65.9-130		%REC	1	6/18/2010 4:14:06 PM
EPA METHOD 8310: PAHS						Analyst: **SCC**
Naphthalene	ND	2.0		µg/L	1	6/16/2010 6:54:06 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	6/16/2010 6:54:06 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	6/16/2010 6:54:06 PM
Acenaphthylene	ND	2.5		µg/L	1	6/16/2010 6:54:06 PM
Acenaphthene	ND	5.0		µg/L	1	6/16/2010 6:54:06 PM
Fluorene	ND	0.80		µg/L	1	6/16/2010 6:54:06 PM
Phenanthrene	ND	0.60		µg/L	1	6/16/2010 6:54:06 PM
Anthracene	ND	0.60		µg/L	1	6/16/2010 6:54:06 PM
Fluoranthene	ND	0.30		µg/L	1	6/16/2010 6:54:06 PM
Pyrene	ND	0.30		µg/L	1	6/16/2010 6:54:06 PM
Benz(a)anthracene	ND	0.070		µg/L	1	6/16/2010 6:54:06 PM
Chrysene	ND	0.20		µg/L	1	6/16/2010 6:54:06 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/16/2010 6:54:06 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/16/2010 6:54:06 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	6/16/2010 6:54:06 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	6/16/2010 6:54:06 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	6/16/2010 6:54:06 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	6/16/2010 6:54:06 PM
Surr: Benzo(e)pyrene	81.6	28.3-111		%REC	1	6/16/2010 6:54:06 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	0.38	0.10		mg/L	1	6/24/2010 2:05:05 PM
Chloride	1100	50		mg/L	100	6/24/2010 1:30:15 PM
Bromide	4.7	0.10		mg/L	1	6/24/2010 2:05:05 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA3
Lab Order:	1006415	**Collection Date:**	6/10/2010 10:53:00 AM
Project:	2nd Qtr NAPIS	**Date Received:**	6/11/2010
Lab ID:	1006415-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Nitrate (As N)+Nitrite (As N)	17	4.0		mg/L	20	6/17/2010 8:01:31 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	6/24/2010 2:05:05 PM
Sulfate	390	10		mg/L	20	6/24/2010 3:14:43 PM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	6/15/2010 5:18:01 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 7:07:31 PM
Barium	0.078	0.020		mg/L	1	6/15/2010 7:07:31 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 7:07:31 PM
Calcium	38	1.0		mg/L	1	6/17/2010 12:12:31 PM
Chromium	ND	0.0060		mg/L	1	6/15/2010 7:07:31 PM
Lead	ND	0.0050		mg/L	1	6/15/2010 7:07:31 PM
Magnesium	6.5	1.0		mg/L	1	6/17/2010 12:12:31 PM
Potassium	4.1	1.0		mg/L	1	6/17/2010 12:12:31 PM
Selenium	ND	0.050		mg/L	1	6/15/2010 7:07:31 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 7:07:31 PM
Sodium	890	10		mg/L	10	6/17/2010 12:16:34 PM
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 5:40:20 PM
Barium	0.17	0.020		mg/L	1	6/15/2010 5:40:20 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 5:40:20 PM
Chromium	0.0064	0.0060		mg/L	1	6/15/2010 5:40:20 PM
Lead	ND	0.0050		mg/L	1	6/15/2010 5:40:20 PM
Selenium	ND	0.050		mg/L	1	6/15/2010 5:40:20 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 5:40:20 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	3600	0.010		µmhos/cm	1	6/11/2010 9:49:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.21	0.1		pH units	1	6/11/2010 9:49:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1006415	**Collection Date:**	6/10/2010 10:10:00 AM
Project:	2nd Qtr NAPIS	**Date Received:**	6/11/2010
Lab ID:	1006415-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1.8	1.0		mg/L	1	6/18/2010 1:49:52 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/18/2010 1:49:52 PM
Surr: DNOP	120	86.9-151		%REC	1	6/18/2010 1:49:52 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.89	0.050		mg/L	1	6/18/2010 5:14:46 PM
Surr: BFB	118	55.2-107	S	%REC	1	6/18/2010 5:14:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	80	2.5		µg/L	1	6/18/2010 5:14:46 PM
Benzene	200	10		µg/L	10	6/21/2010 12:49:00 PM
Toluene	ND	1.0		µg/L	1	6/18/2010 5:14:46 PM
Ethylbenzene	12	1.0		µg/L	1	6/18/2010 5:14:46 PM
Xylenes, Total	ND	2.0		µg/L	1	6/18/2010 5:14:46 PM
Surr: 4-Bromofluorobenzene	113	65.9-130		%REC	1	6/18/2010 5:14:46 PM
EPA METHOD 8310: PAHS						Analyst: **SCC**
Naphthalene	45	2.0		µg/L	1	6/16/2010 7:15:20 PM
1-Methylnaphthalene	50	2.0		µg/L	1	6/16/2010 7:15:20 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	6/16/2010 7:15:20 PM
Acenaphthylene	ND	2.5		µg/L	1	6/16/2010 7:15:20 PM
Acenaphthene	ND	5.0		µg/L	1	6/16/2010 7:15:20 PM
Fluorene	4.9	0.80		µg/L	1	6/16/2010 7:15:20 PM
Phenanthrene	4.5	0.60		µg/L	1	6/16/2010 7:15:20 PM
Anthracene	ND	0.60		µg/L	1	6/16/2010 7:15:20 PM
Fluoranthene	ND	0.30		µg/L	1	6/16/2010 7:15:20 PM
Pyrene	ND	0.30		µg/L	1	6/16/2010 7:15:20 PM
Benz(a)anthracene	ND	0.070		µg/L	1	6/16/2010 7:15:20 PM
Chrysene	ND	0.20		µg/L	1	6/16/2010 7:15:20 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/16/2010 7:15:20 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/16/2010 7:15:20 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	6/16/2010 7:15:20 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	6/16/2010 7:15:20 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	6/16/2010 7:15:20 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	6/16/2010 7:15:20 PM
Surr: Benzo(e)pyrene	45.1	28.3-111		%REC	1	6/16/2010 7:15:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	1.5	0.10		mg/L	1	6/24/2010 2:22:29 PM
Chloride	260	10		mg/L	20	6/17/2010 7:26:41 AM
Bromide	1.1	0.10		mg/L	1	6/24/2010 2:22:29 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1006415	**Collection Date:**	6/10/2010 10:10:00 AM
Project:	2nd Qtr NAPIS	**Date Received:**	6/11/2010
Lab ID:	1006415-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	6/17/2010 8:18:56 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	6/24/2010 2:22:29 PM
Sulfate	39	0.50		mg/L	1	6/24/2010 2:22:29 PM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	6/15/2010 5:19:48 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 7:15:06 PM
Barium	0.62	0.020		mg/L	1	6/15/2010 7:15:06 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 7:15:06 PM
Calcium	87	1.0		mg/L	1	6/17/2010 12:19:34 PM
Chromium	ND	0.0060		mg/L	1	6/15/2010 7:15:06 PM
Lead	ND	0.0050		mg/L	1	6/15/2010 7:15:06 PM
Magnesium	15	1.0		mg/L	1	6/17/2010 12:19:34 PM
Potassium	ND	1.0		mg/L	1	6/17/2010 12:19:34 PM
Selenium	ND	0.050		mg/L	1	6/15/2010 7:15:06 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 7:15:06 PM
Sodium	260	5.0		mg/L	5	6/17/2010 12:23:36 PM
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 5:47:33 PM
Barium	0.54	0.020		mg/L	1	6/15/2010 5:47:33 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 5:47:33 PM
Chromium	ND	0.0060		mg/L	1	6/15/2010 5:47:33 PM
Lead	ND	0.0050		mg/L	1	6/15/2010 5:47:33 PM
Selenium	ND	0.050		mg/L	1	6/15/2010 5:47:33 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 5:47:33 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1600	0.010		µmhos/cm	1	6/11/2010 10:05:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.84	0.1		pH units	1	6/11/2010 10:05:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1006415	**Collection Date:**	6/10/2010 9:18:00 AM
Project:	2nd Qtr NAPIS	**Date Received:**	6/11/2010
Lab ID:	1006415-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	6.3	1.0		mg/L	1	6/18/2010 2:24:13 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/18/2010 2:24:13 PM
Surr: DNOP	117	86.9-151		%REC	1	6/18/2010 2:24:13 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1.3	0.25		mg/L	5	6/18/2010 5:45:00 PM
Surr: BFB	100	55.2-107		%REC	5	6/18/2010 5:45:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	230	13		µg/L	5	6/18/2010 5:45:00 PM
Benzene	140	5.0		µg/L	5	6/18/2010 5:45:00 PM
Toluene	ND	5.0		µg/L	5	6/18/2010 5:45:00 PM
Ethylbenzene	9.6	5.0		µg/L	5	6/18/2010 5:45:00 PM
Xylenes, Total	ND	10		µg/L	5	6/18/2010 5:45:00 PM
Surr: 4-Bromofluorobenzene	101	65.9-130		%REC	5	6/18/2010 5:45:00 PM
EPA METHOD 8310: PAHS						Analyst: **SCC**
Naphthalene	89	2.0		µg/L	1	6/16/2010 7:36:38 PM
1-Methylnaphthalene	33	2.0		µg/L	1	6/16/2010 7:36:38 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	6/16/2010 7:36:38 PM
Acenaphthylene	ND	2.5		µg/L	1	6/16/2010 7:36:38 PM
Acenaphthene	ND	5.0		µg/L	1	6/16/2010 7:36:38 PM
Fluorene	11	1.6		µg/L	2	6/17/2010 8:15:04 AM
Phenanthrene	5.0	0.60		µg/L	1	6/16/2010 7:36:38 PM
Anthracene	ND	0.60		µg/L	1	6/16/2010 7:36:38 PM
Fluoranthene	ND	0.30		µg/L	1	6/16/2010 7:36:38 PM
Pyrene	ND	0.30		µg/L	1	6/16/2010 7:36:38 PM
Benz(a)anthracene	ND	0.070		µg/L	1	6/16/2010 7:36:38 PM
Chrysene	ND	0.20		µg/L	1	6/16/2010 7:36:38 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/16/2010 7:36:38 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/16/2010 7:36:38 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	6/16/2010 7:36:38 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	6/16/2010 7:36:38 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	6/16/2010 7:36:38 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	6/16/2010 7:36:38 PM
Surr: Benzo(e)pyrene	80.0	28.3-111		%REC	1	6/16/2010 7:36:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	1.2	0.50		mg/L	5	6/24/2010 2:39:54 PM
Chloride	340	25		mg/L	50	6/28/2010 6:14:32 AM
Bromide	1.2	0.50		mg/L	5	6/24/2010 2:39:54 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1006415	**Collection Date:**	6/10/2010 9:18:00 AM
Project:	2nd Qtr NAPIS	**Date Received:**	6/11/2010
Lab ID:	1006415-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	6/17/2010 8:36:20 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	6/24/2010 2:39:54 PM
Sulfate	8.7	2.5		mg/L	5	6/24/2010 2:39:54 PM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	6/15/2010 5:25:20 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 7:22:26 PM
Barium	1.7	0.10		mg/L	5	6/17/2010 12:30:22 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 7:22:26 PM
Calcium	80	1.0		mg/L	1	6/17/2010 12:26:35 PM
Chromium	ND	0.0060		mg/L	1	6/15/2010 7:22:26 PM
Lead	ND	0.0050		mg/L	1	6/15/2010 7:22:26 PM
Magnesium	16	1.0		mg/L	1	6/17/2010 12:26:35 PM
Potassium	ND	1.0		mg/L	1	6/17/2010 12:26:35 PM
Selenium	ND	0.050		mg/L	1	6/15/2010 7:22:26 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 7:22:26 PM
Sodium	320	5.0		mg/L	5	6/17/2010 12:30:22 PM
EPA 6010B: TOTAL RECOVERBLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	6/15/2010 5:56:10 PM
Barium	1.7	0.10		mg/L	5	6/15/2010 6:09:16 PM
Cadmium	ND	0.0020		mg/L	1	6/15/2010 5:56:10 PM
Chromium	ND	0.0060		mg/L	1	6/15/2010 5:56:10 PM
Lead	ND	0.0050		mg/L	1	6/15/2010 5:56:10 PM
Selenium	ND	0.050		mg/L	1	6/15/2010 5:56:10 PM
Silver	ND	0.0050		mg/L	1	6/15/2010 5:56:10 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1800	0.010		µmhos/cm	1	6/11/2010 10:26:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.80	0.1		pH units	1	6/11/2010 10:26:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *28-Jun-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1006415	**Collection Date:**	
Project:	2nd Qtr NAPIS	**Date Received:**	6/11/2010
Lab ID:	1006415-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/18/2010 11:18:07 PM
Surr: BFB	89.0	55.2-107		%REC	1	6/18/2010 11:18:07 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	6/18/2010 11:18:07 PM
Toluene	ND	1.0		µg/L	1	6/18/2010 11:18:07 PM
Ethylbenzene	ND	1.0		µg/L	1	6/18/2010 11:18:07 PM
Xylenes, Total	ND	2.0		µg/L	1	6/18/2010 11:18:07 PM
Surr: 4-Bromofluorobenzene	94.8	65.9-130		%REC	1	6/18/2010 11:18:07 PM

Qualifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Estimated value	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
NC Non-Chlorinated	ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit	S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr NAPIS **Work Order:** 1006415

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID: **R39244**		Analysis Date: 6/11/2010 10:32:37 AM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R39261**		Analysis Date: 6/14/2010 6:36:36 PM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R39261**		Analysis Date: 6/14/2010 11:15:11 PM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
[redacted]horus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R39321**		Analysis Date: 6/16/2010 4:56:11 PM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R39459**		Analysis Date: 6/23/2010 7:13:23 PM			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R39500**		Analysis Date: 6/26/2010 6:19:01 PM			
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID: **R39513**		Analysis Date: 6/27/2010 6:55:35 PM			
Fluoride	ND	mg/L	0.10								
[redacted]ride	ND	mg/L	0.50								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr NAPIS **Work Order:** 1006415

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R39513**	Analysis Date:	6/27/2010 6:55:35 PM		
Fluoride	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS-b		*LCS*				Batch ID:	**R39244**	Analysis Date:	6/11/2010 2:01:30 PM		
Fluoride	0.5069	mg/L	0.10	0.5	0	101	90	110			
Chloride	4.840	mg/L	0.50	5	0	96.8	90	110			
Bromide	2.472	mg/L	0.10	2.5	0	98.9	90	110			
Nitrate (As N)+Nitrite (As N)	3.402	mg/L	0.20	3.5	0	97.2	90	110			
Phosphorus, Orthophosphate (As P)	4.814	mg/L	0.50	5	0	96.3	90	110			
Sulfate	9.786	mg/L	0.50	10	0	97.9	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R39261**	Analysis Date:	6/14/2010 6:54:01 PM		
Fluoride	0.4755	mg/L	0.10	0.5	0	95.1	90	110			
Chloride	4.467	mg/L	0.50	5	0	89.3	90	110			S
Bromide	2.269	mg/L	0.10	2.5	0	90.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.120	mg/L	0.20	3.5	0	89.1	90	110			S
Phosphorus, Orthophosphate (As P)	4.552	mg/L	0.50	5	0	91.0	90	110			
Sulfate	9.174	mg/L	0.50	10	0	91.7	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R39261**	Analysis Date:	6/14/2010 11:32:35 PM		
Fluoride	0.5305	mg/L	0.10	0.5	0	106	90	110			
Chloride	4.768	mg/L	0.50	5	0	95.4	90	110			
Bromide	2.414	mg/L	0.10	2.5	0	96.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.358	mg/L	0.20	3.5	0	96.0	90	110			
Phosphorus, Orthophosphate (As P)	4.858	mg/L	0.50	5	0	97.2	90	110			
Sulfate	9.829	mg/L	0.50	10	0	98.3	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R39321**	Analysis Date:	6/16/2010 5:13:35 PM		
Fluoride	0.4861	mg/L	0.10	0.5	0	97.2	90	110			
Chloride	4.988	mg/L	0.50	5	0	99.8	90	110			
Bromide	2.547	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.503	mg/L	0.20	3.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	4.920	mg/L	0.50	5	0	98.4	90	110			
Sulfate	10.24	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R39459**	Analysis Date:	6/23/2010 7:30:47 PM		
Fluoride	0.5064	mg/L	0.10	0.5	0	101	90	110			
Chloride	5.062	mg/L	0.50	5	0	101	90	110			
Bromide	2.562	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.551	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.040	mg/L	0.50	5	0	101	90	110			
Sulfate	10.41	mg/L	0.50	10	0	104	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R39500**	Analysis Date:	6/26/2010 6:36:26 PM		
Chloride	5.007	mg/L	0.50	5	0	100	90	110			
Bromide	2.596	mg/L	0.10	2.5	0	104	90	110			
Nitrate (As N)+Nitrite (As N)	3.583	mg/L	0.20	3.5	0	102	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr NAPIS **Work Order:** 1006415

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID: **R39500**		Analysis Date: 6/26/2010 6:36:26 PM			
Phosphorus, Orthophosphate (As P)	5.139	mg/L	0.50	5	0	103	90	110			
Sulfate	10.35	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS-b		*LCS*				Batch ID: **R39513**		Analysis Date: 6/27/2010 10:24:28 PM			
Fluoride	0.5344	mg/L	0.10	0.5	0	107	90	110			
Chloride	4.765	mg/L	0.50	5	0	95.3	90	110			
Bromide	2.477	mg/L	0.10	2.5	0	99.1	90	110			
Nitrate (As N)+Nitrite (As N)	3.428	mg/L	0.20	3.5	0	98.0	90	110			
Phosphorus, Orthophosphate (As P)	4.925	mg/L	0.50	5	0	98.5	90	110			
Sulfate	9.967	mg/L	0.50	10	0	99.7	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-22630		*MBLK*				Batch ID: **22630**		Analysis Date: 6/18/2010 7:03:57 AM			
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-22630		*LCS*				Batch ID: **22630**		Analysis Date: 6/18/2010 7:37:16 AM			
Diesel Range Organics (DRO)	5.768	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-22630		*LCSD*				Batch ID: **22630**		Analysis Date: 6/18/2010 8:10:51 AM			
Diesel Range Organics (DRO)	5.624	mg/L	1.0	5	0	112	74	157	2.52	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 1006415-01A MSD		*MSD*				Batch ID: **R39367**		Analysis Date: 6/18/2010 6:45:44 PM			
Gasoline Range Organics (GRO)	0.5416	mg/L	0.050	0.5	0	108	80	115	6.64	8.39	
Sample ID: 5ML RB		*MBLK*				Batch ID: **R39367**		Analysis Date: 6/18/2010 9:08:12 AM			
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID: **R39367**		Analysis Date: 6/18/2010 7:16:05 PM			
Gasoline Range Organics (GRO)	0.5172	mg/L	0.050	0.5	0	103	77.8	124			
Sample ID: 1006415-01A MS		*MS*				Batch ID: **R39367**		Analysis Date: 6/18/2010 6:15:24 PM			
Gasoline Range Organics (GRO)	0.5068	mg/L	0.050	0.5	0	101	80	115			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr NAPIS **Work Order:** 1006415

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 1006415-03A MSD		*MSD*				Batch ID:	**R39367**	Analysis Date:		6/18/2010 8:16:38 PM	
Methyl tert-butyl ether (MTBE)	83.09	µg/L	2.5	20	80.09	15.0	51.2	138	3.49	28	S
Benzene	184.3	µg/L	1.0	20	180.4	19.7	85.9	113	1.57	27	SE
Toluene	21.17	µg/L	1.0	20	0	106	86.4	113	3.65	19	
Ethylbenzene	32.64	µg/L	1.0	20	12.29	102	83.5	118	3.29	10	
Xylenes, Total	66.87	µg/L	2.0	60	1.44	109	83.4	122	2.87	13	
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R39367**	Analysis Date:		6/18/2010 9:08:12 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R39367**	Analysis Date:		6/21/2010 11:48:45 AM	
Methyl tert-butyl ether (MTBE)	17.75	µg/L	2.5	20	0	88.7	82.5	129			
Benzene	20.92	µg/L	1.0	20	0	105	87.9	121			
Toluene	21.32	µg/L	1.0	20	0	107	83	124			
Ethylbenzene	21.16	µg/L	1.0	20	0	106	81.7	122			
Xylenes, Total	64.04	µg/L	2.0	60	0	107	85.6	121			
Sample ID: 1006415-03A MS		*MS*				Batch ID:	**R39367**	Analysis Date:		6/18/2010 7:46:22 PM	
Methyl tert-butyl ether (MTBE)	80.24	µg/L	2.5	20	80.09	0.720	51.2	138			S
Benzene	187.2	µg/L	1.0	20	180.4	34.4	85.9	113			SE
Toluene	21.96	µg/L	1.0	20	0	110	86.4	113			
Ethylbenzene	33.73	µg/L	1.0	20	12.29	107	83.5	118			
Xylenes, Total	68.82	µg/L	2.0	60	1.44	112	83.4	122			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr NAPIS **Work Order:** 1006415

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs											
Sample ID: MB-22626		*MBLK*				Batch ID: **22626**		Analysis Date:	6/16/2010 1:55:58 PM		
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	2.0								
2-Methylnaphthalene	ND	µg/L	2.0								
Acenaphthylene	ND	µg/L	2.5								
Acenaphthene	ND	µg/L	5.0								
Fluorene	ND	µg/L	0.80								
Phenanthrene	ND	µg/L	0.60								
Anthracene	ND	µg/L	0.60								
Fluoranthene	ND	µg/L	0.30								
Pyrene	ND	µg/L	0.30								
Benz(a)anthracene	ND	µg/L	0.070								
Chrysene	ND	µg/L	0.20								
Benzo(b)fluoranthene	ND	µg/L	0.10								
Benzo(k)fluoranthene	ND	µg/L	0.070								
Benzo(a)pyrene	ND	µg/L	0.070								
Dibenz(a,h)anthracene	ND	µg/L	0.070								
Benzo(g,h,i)perylene	ND	µg/L	0.080								
Indeno(1,2,3-cd)pyrene	ND	µg/L	0.080								
Sample ID: LCS-22626		*LCS*				Batch ID: **22626**		Analysis Date:	6/16/2010 2:17:16 PM		
Naphthalene	51.35	µg/L	2.0	80	0	64.2	20.5	109			
1-Methylnaphthalene	59.93	µg/L	2.0	80.2	0	74.7	23.1	116			
2-Methylnaphthalene	54.45	µg/L	2.0	80	0	68.1	19.5	112			
Acenaphthylene	62.87	µg/L	2.5	80.2	0	78.4	27.5	119			
Acenaphthene	66.20	µg/L	5.0	80	0	82.8	31	117			
Fluorene	4.820	µg/L	0.80	8.02	0	60.1	17.1	109			
Phenanthrene	3.230	µg/L	0.60	4.02	0	80.3	25.5	112			
Anthracene	3.290	µg/L	0.60	4.02	0	81.8	25.8	119			
Fluoranthene	7.000	µg/L	0.30	8.02	0	87.3	27.2	122			
Pyrene	6.290	µg/L	0.30	8.02	0	78.4	24.1	118			
Benz(a)anthracene	0.6400	µg/L	0.070	0.802	0	79.8	31.1	125			
Chrysene	3.290	µg/L	0.20	4.02	0	81.8	32.8	119			
Benzo(b)fluoranthene	0.8800	µg/L	0.10	1.002	0	87.8	24.4	117			
Benzo(k)fluoranthene	0.4500	µg/L	0.070	0.5	0	90.0	28.4	132			
Benzo(a)pyrene	0.4300	µg/L	0.070	0.502	0	85.7	32.4	119			
Dibenz(a,h)anthracene	0.8800	µg/L	0.070	1.002	0	87.8	33.9	120			
Benzo(g,h,i)perylene	0.8800	µg/L	0.080	1	0	88.0	35.2	113			
Indeno(1,2,3-cd)pyrene	1.760	µg/L	0.080	2.004	0	87.8	33.6	115			
Sample ID: LCSD-22626		*LCSD*				Batch ID: **22626**		Analysis Date:	6/16/2010 2:38:32 PM		
Naphthalene	51.51	µg/L	2.0	80	0	64.4	20.5	109	0.311	32.1	
1-Methylnaphthalene	58.77	µg/L	2.0	80.2	0	73.3	23.1	116	1.95	32.7	
2-Methylnaphthalene	53.84	µg/L	2.0	80	0	67.3	19.5	112	1.13	34	
Acenaphthylene	63.91	µg/L	2.5	80.2	0	79.7	27.5	119	1.64	38.8	
Acenaphthene	67.32	µg/L	5.0	80	0	84.2	31	117	1.68	38.6	
Fluorene	4.970	µg/L	0.80	8.02	0	62.0	17.1	109	3.06	29.3	

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr NAPIS **Work Order:** 1006415

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs											
Sample ID: LCSD-22626		*LCSD*				Batch ID:	**22626**	Analysis Date:		6/16/2010 2:38:32 PM	
Phenanthrene	3.330	µg/L	0.60	4.02	0	82.8	25.5	112	3.05	25	
Anthracene	3.400	µg/L	0.60	4.02	0	84.6	25.8	119	3.29	23.9	
Fluoranthene	7.100	µg/L	0.30	8.02	0	88.5	27.2	122	1.42	15.7	
Pyrene	6.530	µg/L	0.30	8.02	0	81.4	24.1	118	3.74	15.3	
Benz(a)anthracene	0.6600	µg/L	0.070	0.802	0	82.3	31.1	125	3.08	19	
Chrysene	3.350	µg/L	0.20	4.02	0	83.3	32.8	119	1.81	16.6	
Benzo(b)fluoranthene	0.9200	µg/L	0.10	1.002	0	91.8	24.4	117	4.44	21.7	
Benzo(k)fluoranthene	0.4800	µg/L	0.070	0.5	0	96.0	28.4	132	6.45	19.4	
Benzo(a)pyrene	0.4300	µg/L	0.070	0.502	0	85.7	32.4	119	0	16.7	
Dibenz(a,h)anthracene	0.8800	µg/L	0.070	1.002	0	87.8	33.9	120	0	17.3	
Benzo(g,h,i)perylene	0.8800	µg/L	0.080	1	0	88.0	35.2	113	0	18	
Indeno(1,2,3-cd)pyrene	1.790	µg/L	0.080	2.004	0	89.3	33.6	115	1.69	17.7	
Method: EPA Method 7470: Mercury											
Sample ID: MB-22641		*MBLK*				Batch ID:	**22641**	Analysis Date:		6/15/2010 4:42:02 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-22641		*LCS*				Batch ID:	**22641**	Analysis Date:		6/15/2010 4:43:48 PM	
Mercury	0.005270	mg/L	0.00020	0.005	0	105	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr NAPIS **Work Order:** 1006415

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R39277**	Analysis Date:	6/15/2010 3:40:09 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID:	**R39313**	Analysis Date:	6/17/2010 9:58:18 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
[redacted]esium	ND	mg/L	1.0								
[redacted]sium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID:	**R39277**	Analysis Date:	6/15/2010 3:43:18 PM		
Arsenic	0.5066	mg/L	0.020	0.5	0	101	80	120			
Barium	0.4994	mg/L	0.020	0.5	0	99.9	80	120			
Cadmium	0.5038	mg/L	0.0020	0.5	0	101	80	120			
Calcium	50.52	mg/L	1.0	50.5	0	100	80	120			
Chromium	0.5029	mg/L	0.0060	0.5	0	101	80	120			
Lead	0.5017	mg/L	0.0050	0.5	0	100	80	120			
Magnesium	51.05	mg/L	1.0	50.5	0	101	80	120			
Potassium	54.59	mg/L	1.0	55	0	99.3	80	120			
Selenium	0.5250	mg/L	0.050	0.5	0	105	80	120			
Silver	0.5128	mg/L	0.0050	0.5	0	103	80	120			
Sodium	54.15	mg/L	1.0	50.5	0	107	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R39313**	Analysis Date:	6/17/2010 10:01:05 AM		
Arsenic	0.5043	mg/L	0.020	0.5	0	101	80	120			
Barium	0.4713	mg/L	0.020	0.5	0	94.3	80	120			
Cadmium	0.4886	mg/L	0.0020	0.5	0	97.7	80	120			
Calcium	49.15	mg/L	1.0	50.5	0	97.3	80	120			
Chromium	0.4798	mg/L	0.0060	0.5	0	96.0	80	120			
Lead	0.4875	mg/L	0.0050	0.5	0	97.5	80	120			
Magnesium	49.46	mg/L	1.0	50.5	0	97.9	80	120			
[redacted]sium	51.94	mg/L	1.0	55	0	94.4	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2nd Qtr NAPIS **Work Order:** 1006415

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R39313**	Analysis Date:	6/17/2010 10:01:05 AM		
Selenium	0.4898	mg/L	0.050	0.5	0	98.0	80	120			
Silver	0.4889	mg/L	0.0050	0.5	0	97.8	80	120			
Sodium	51.81	mg/L	1.0	50.5	0	103	80	120			
Method: EPA 6010B: Total Recoverble Metals											
Sample ID: MB-22623		*MBLK*				Batch ID:	**22623**	Analysis Date:	6/15/2010 3:46:26 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sample ID: LCS-22623		*LCS*				Batch ID:	**22623**	Analysis Date:	6/15/2010 3:49:37 PM		
Arsenic	0.5208	mg/L	0.020	0.5	0	104	80	120			
Barium	0.5080	mg/L	0.020	0.5	0	102	80	120			
Cadmium	0.5068	mg/L	0.0020	0.5	0.0003	101	80	120			
Chromium	0.5167	mg/L	0.0060	0.5	0.001	103	80	120			
Lead	0.5119	mg/L	0.0050	0.5	0	102	80	120			
Selenium	0.5104	mg/L	0.050	0.5	0	102	80	120			
Silver	0.5186	mg/L	0.0050	0.5	0.0002	104	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **6/11/2010**

Work Order Number **1006415** Received by: TLS

Checklist completed by: Signature 6/11/10 Date

Sample ID labels checked by: TS Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.5°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 20

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 17 Gallup, NM 87301

Phone #: 505 722-3833

email or Fax#: 505 722-0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2nd QTR NAPIS

Project #:

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1 900415	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	RCRA8 Metals - Total	RCRA8 Metals - DISS	GenChem		Air Bubbles (Y or N)
6/8/10	1450	H_2O	NAPIS-1	3-40ml	HCl	1	X															
				3-40ml	HCl	1			X													
				1 L	None	1						X										
				500ml	HNO_3	1												X				
				2-125ml	HNO_3	1													X			
				1-125ml	H_2SO_4	1														X		
				1-250ml	None	1														X		

Date: 6-10-10 Time: 12:00 Relinquished by: _____ Received by: _____ Date: 6/11/10 Time: 915

Date: _____ Time: _____ Relinquished by: _____ Received by: _____ Date: _____ Time: _____

Remarks: GenChem: Cations, Anions, pH, Spec Cond.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup, NM 87301
Phone #: 505 722 0210
email or Fax#: 505 722 3833
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: 2nd QTR NAPIS
Project #:
Project Manager: CJohnson
Sampler: CJohnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 2.2

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No 1001045	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	RCRA Metals Total	RCRA Metals Diss	Gen Chem		Air Bubbles (Y or N)
10/10	1053	H2O	KA3	3-40ml	HCl	2	X		X													
				3-40ml	HCl	2			X													
				1 L	None	2						X										
				2-500ml	HNO3	2												X				
				2-125ml	HNO3	2													X			
				1-250ml	None	2														X		
				1-125ml	H2SO4	2														X		
	1010		NAPIS-3	3-40ml	HCl	3	X															
				3-40ml	HCl	3			X													
				1-L	None	3						X										
				2-500ml	HNO3	3												X				
				2-125ml	HNO3	3													X			

Date: 10/10 Time: 1402 Relinquished by:
Received by: Date 10/11/10 Time 915
Date: Time: Relinquished by:
Received by: Date Time

Remarks: Gen Chem. Cations, Anions, pH Spec Cond.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2nd QTR NAPIS

Project #:

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 22

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. 1006415	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)			GenChem	Air Bubbles (Y or N)
6/10/10	1010	H2O	NAPIS-3	1-250	None	3														X	
			"	1-125	H_2SO_4	3														X	
	0918	1	NAPIS-2	3-40ml	HCl	4	X														
				3-40ml	HCl	4			X												
				2-500ml	HNO_3	4						~~X~~					X				
				2-125ml	HNO_3	4												X			
				1-L	None	4						X									
				1-250ml	None	4														X	
				1-125ml	H_2SO_4	4														X	
			TRIP Blank			5															

Date	Time	Relinquished by:	Received by:	Date	Time
6/10/10	1402			6/11/10	915
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: GenChem: Cations, Anions, pH, SC

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.

NAPIS-1-3
KA-3

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, October 11, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX: (505) 722-0210

RE: 2010 3rd Qtr

Order No.: 1009830

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 9/17/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

NAPIS-1-3

NAPIS-3

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1009830	**Collection Date:**	9/15/2010 10:32:00 AM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/21/2010 12:02:39 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2010 12:02:39 AM
Surr: DNOP	121	86.9-151		%REC	1	9/21/2010 12:02:39 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/24/2010 5:22:32 PM
Surr: BFB	89.8	79.9-117		%REC	1	9/24/2010 5:22:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	9/24/2010 5:22:32 PM
Benzene	ND	1.0		µg/L	1	9/24/2010 5:22:32 PM
Toluene	ND	1.0		µg/L	1	9/24/2010 5:22:32 PM
Ethylbenzene	ND	1.0		µg/L	1	9/24/2010 5:22:32 PM
Xylenes, Total	ND	2.0		µg/L	1	9/24/2010 5:22:32 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/24/2010 5:22:32 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/24/2010 5:22:32 PM
Surr: 4-Bromofluorobenzene	112	83.6-151		%REC	1	9/24/2010 5:22:32 PM
EPA METHOD 7470: MERCURY						Analyst: ELS
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:17:21 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: SNV
Arsenic	ND	0.020		mg/L	1	10/1/2010 12:54:09 PM
Barium	0.18	0.020		mg/L	1	10/1/2010 12:54:09 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 12:54:09 PM
Calcium	100	5.0		mg/L	5	10/1/2010 12:58:06 PM
Chromium	ND	0.0060		mg/L	1	10/1/2010 12:54:09 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 12:54:09 PM
Iron	0.029	0.020		mg/L	1	10/1/2010 12:54:09 PM
Lead	0.0064	0.0050		mg/L	1	10/1/2010 12:54:09 PM
Magnesium	18	1.0		mg/L	1	10/1/2010 12:54:09 PM
Manganese	0.0066	0.0020		mg/L	1	10/1/2010 12:54:09 PM
Potassium	ND	1.0		mg/L	1	10/1/2010 12:54:09 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 12:54:09 PM
Silver	ND	0.0050		mg/L	1	10/1/2010 12:54:09 PM
Sodium	370	5.0		mg/L	5	10/1/2010 12:58:06 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Arsenic	ND	0.020		mg/L	1	9/30/2010 8:55:23 PM
Barium	0.19	0.020		mg/L	1	9/30/2010 8:55:23 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 8:55:23 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1009830	**Collection Date:**	9/15/2010 10:32:00 AM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Chromium	ND	0.0060		mg/L	1	9/30/2010 8:55:23 PM
Copper	ND	0.0060		mg/L	1	9/30/2010 8:55:23 PM
Iron	0.56	0.050		mg/L	1	9/30/2010 8:55:23 PM
Lead	ND	0.0050		mg/L	1	9/30/2010 8:55:23 PM
Manganese	0.044	0.0020		mg/L	1	9/30/2010 8:55:23 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 8:55:23 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 8:55:23 PM
Zinc	ND	0.020		mg/L	1	9/30/2010 8:55:23 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Acenaphthene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Acenaphthylene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Aniline	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Anthracene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Azobenzene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Benz(a)anthracene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Benzo(a)pyrene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Benzo(b)fluoranthene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Benzo(g,h,i)perylene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Benzo(k)fluoranthene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Benzoic acid	ND	20		µg/L	1	9/22/2010 11:36:56 AM
Benzyl alcohol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	9/22/2010 11:36:56 AM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Butyl benzyl phthalate	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Carbazole	ND	10		µg/L	1	9/22/2010 11:36:56 AM
4-Chloro-3-methylphenol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
4-Chloroaniline	ND	10		µg/L	1	9/22/2010 11:36:56 AM
2-Chloronaphthalene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
2-Chlorophenol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Chrysene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Di-n-butyl phthalate	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Di-n-octyl phthalate	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Dibenz(a,h)anthracene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Dibenzofuran	ND	10		µg/L	1	9/22/2010 11:36:56 AM
1,2-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
1,3-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 11:36:56 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1009830	**Collection Date:**	9/15/2010 10:32:00 AM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
1,4-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Diethyl phthalate	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Dimethyl phthalate	ND	10		µg/L	1	9/22/2010 11:36:56 AM
2,4-Dichlorophenol	ND	20		µg/L	1	9/22/2010 11:36:56 AM
2,4-Dimethylphenol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	9/22/2010 11:36:56 AM
2,4-Dinitrophenol	ND	20		µg/L	1	9/22/2010 11:36:56 AM
2,4-Dinitrotoluene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
2,6-Dinitrotoluene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Fluoranthene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Fluorene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Hexachlorobenzene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Hexachlorobutadiene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Hexachlorocyclopentadiene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Hexachloroethane	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Isophorone	ND	10		µg/L	1	9/22/2010 11:36:56 AM
2-Methylnaphthalene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
2-Methylphenol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
3+4-Methylphenol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	9/22/2010 11:36:56 AM
N-Nitrosodimethylamine	ND	10		µg/L	1	9/22/2010 11:36:56 AM
N-Nitrosodiphenylamine	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Naphthalene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
2-Nitroaniline	ND	10		µg/L	1	9/22/2010 11:36:56 AM
3-Nitroaniline	ND	10		µg/L	1	9/22/2010 11:36:56 AM
4-Nitroaniline	ND	20		µg/L	1	9/22/2010 11:36:56 AM
Nitrobenzene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
2-Nitrophenol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
4-Nitrophenol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Pentachlorophenol	ND	20		µg/L	1	9/22/2010 11:36:56 AM
Phenanthrene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Phenol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Pyrene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Pyridine	ND	10		µg/L	1	9/22/2010 11:36:56 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	9/22/2010 11:36:56 AM
2,4,5-Trichlorophenol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
2,4,6-Trichlorophenol	ND	10		µg/L	1	9/22/2010 11:36:56 AM
Surr: 2,4,6-Tribromophenol	53.2	16.6-150		%REC	1	9/22/2010 11:36:56 AM
Surr: 2-Fluorobiphenyl	51.5	19.6-134		%REC	1	9/22/2010 11:36:56 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1009830	**Collection Date:**	9/15/2010 10:32:00 AM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**
Surr: 2-Fluorophenol	42.1	9.54-113		%REC	1	9/22/2010 11:36:56 AM
Surr: 4-Terphenyl-d14	54.2	22.7-145		%REC	1	9/22/2010 11:36:56 AM
Surr: Nitrobenzene-d5	50.8	14.6-134		%REC	1	9/22/2010 11:36:56 AM
Surr: Phenol-d5	32.0	10.7-80.3		%REC	1	9/22/2010 11:36:56 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1009830	**Collection Date:**	9/15/2010 11:13:00 AM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	5.3	1.0		mg/L	1	9/21/2010 12:36:46 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2010 12:36:46 AM
Surr: DNOP	122	86.9-151		%REC	1	9/21/2010 12:36:46 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1.0	0.50		mg/L	10	9/24/2010 5:53:04 PM
Surr: BFB	86.6	79.9-117		%REC	10	9/24/2010 5:53:04 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:19:07 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/1/2010 1:00:55 PM
Barium	1.5	0.10		mg/L	5	10/1/2010 1:14:37 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 1:00:55 PM
Calcium	69	1.0		mg/L	1	10/1/2010 1:00:55 PM
Chromium	ND	0.0060		mg/L	1	10/1/2010 1:00:55 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 1:00:55 PM
Iron	3.7	0.10		mg/L	5	10/1/2010 1:14:37 PM
Lead	ND	0.0050		mg/L	1	10/1/2010 1:00:55 PM
Magnesium	13	1.0		mg/L	1	10/1/2010 1:00:55 PM
Manganese	1.0	0.010		mg/L	5	10/1/2010 1:14:37 PM
Potassium	ND	1.0		mg/L	1	10/1/2010 1:00:55 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 1:00:55 PM
Silver	ND	0.0050		mg/L	1	10/1/2010 1:00:55 PM
Sodium	310	5.0		mg/L	5	10/1/2010 1:14:37 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/30/2010 9:02:13 PM
Barium	1.4	0.10		mg/L	5	9/30/2010 9:05:56 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 9:02:13 PM
Chromium	ND	0.0060		mg/L	1	9/30/2010 9:02:13 PM
Copper	ND	0.0060		mg/L	1	9/30/2010 9:02:13 PM
Iron	4.3	0.25		mg/L	5	9/30/2010 9:05:56 PM
Lead	ND	0.0050		mg/L	1	9/30/2010 9:02:13 PM
Manganese	1.1	0.010		mg/L	5	9/30/2010 9:05:56 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 9:02:13 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 9:02:13 PM
Zinc	ND	0.020		mg/L	1	9/30/2010 9:02:13 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **MAW**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1009830	**Collection Date:**	9/15/2010 11:13:00 AM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Acenaphthene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Acenaphthylene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Aniline	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Anthracene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Azobenzene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Benz(a)anthracene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Benzo(a)pyrene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Benzoic acid	ND	20		µg/L	1	9/22/2010 12:07:26 PM
Benzyl alcohol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	9/22/2010 12:07:26 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Butyl benzyl phthalate	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Carbazole	ND	10		µg/L	1	9/22/2010 12:07:26 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
4-Chloroaniline	ND	10		µg/L	1	9/22/2010 12:07:26 PM
2-Chloronaphthalene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
2-Chlorophenol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Chrysene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Di-n-butyl phthalate	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Di-n-octyl phthalate	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Dibenzofuran	ND	10		µg/L	1	9/22/2010 12:07:26 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Diethyl phthalate	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Dimethyl phthalate	ND	10		µg/L	1	9/22/2010 12:07:26 PM
2,4-Dichlorophenol	ND	20		µg/L	1	9/22/2010 12:07:26 PM
2,4-Dimethylphenol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	9/22/2010 12:07:26 PM
2,4-Dinitrophenol	ND	20		µg/L	1	9/22/2010 12:07:26 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	9/22/2010 12:07:26 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1009830	**Collection Date:**	9/15/2010 11:13:00 AM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Fluoranthene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Fluorene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Hexachlorobenzene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Hexachlorobutadiene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Hexachloroethane	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Isophorone	ND	10		µg/L	1	9/22/2010 12:07:26 PM
2-Methylnaphthalene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
2-Methylphenol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
3+4-Methylphenol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	9/22/2010 12:07:26 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	9/22/2010 12:07:26 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Naphthalene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
2-Nitroaniline	ND	10		µg/L	1	9/22/2010 12:07:26 PM
3-Nitroaniline	ND	10		µg/L	1	9/22/2010 12:07:26 PM
4-Nitroaniline	ND	20		µg/L	1	9/22/2010 12:07:26 PM
Nitrobenzene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
2-Nitrophenol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
4-Nitrophenol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Pentachlorophenol	ND	20		µg/L	1	9/22/2010 12:07:26 PM
Phenanthrene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Phenol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Pyrene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Pyridine	ND	10		µg/L	1	9/22/2010 12:07:26 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	9/22/2010 12:07:26 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	9/22/2010 12:07:26 PM
Surr: 2,4,6-Tribromophenol	61.4	16.6-150		%REC	1	9/22/2010 12:07:26 PM
Surr: 2-Fluorobiphenyl	59.1	19.6-134		%REC	1	9/22/2010 12:07:26 PM
Surr: 2-Fluorophenol	47.0	9.54-113		%REC	1	9/22/2010 12:07:26 PM
Surr: 4-Terphenyl-d14	69.5	22.7-145		%REC	1	9/22/2010 12:07:26 PM
Surr: Nitrobenzene-d5	59.2	14.6-134		%REC	1	9/22/2010 12:07:26 PM
Surr: Phenol-d5	36.3	10.7-80.3		%REC	1	9/22/2010 12:07:26 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: MMS
Benzene	66	5.0		µg/L	5	9/28/2010 2:34:43 PM
Toluene	ND	5.0		µg/L	5	9/28/2010 2:34:43 PM
Ethylbenzene	8.3	5.0		µg/L	5	9/28/2010 2:34:43 PM
Methyl tert-butyl ether (MTBE)	230	7.5		µg/L	5	9/28/2010 2:34:43 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1009830
Project: 2010 3rd Qtr
Lab ID: 1009830-02

Client Sample ID: NAPIS-2
Collection Date: 9/15/2010 11:13:00 AM
Date Received: 9/17/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: MMS
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	9/28/2010 2:34:43 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	9/28/2010 2:34:43 PM
Xylenes, Total	ND	15		µg/L	5	9/28/2010 2:34:43 PM
Surr: 1,2-Dichloroethane-d4	84.9	54.6-141		%REC	5	9/28/2010 2:34:43 PM
Surr: 4-Bromofluorobenzene	91.8	60.1-133		%REC	5	9/28/2010 2:34:43 PM
Surr: Dibromofluoromethane	91.0	78.5-130		%REC	5	9/28/2010 2:34:43 PM
Surr: Toluene-d8	101	79.5-126		%REC	5	9/28/2010 2:34:43 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1009830	**Collection Date:**	9/15/2010 2:12:00 PM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JB
Diesel Range Organics (DRO)	3.0	1.0		mg/L	1	9/21/2010 1:10:54 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2010 1:10:54 AM
Surr: DNOP	122	86.9-151		%REC	1	9/21/2010 1:10:54 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	1.9	0.50		mg/L	10	9/28/2010 3:40:43 PM
Surr: BFB	108	79.9-117		%REC	10	9/28/2010 3:40:43 PM
EPA METHOD 7470: MERCURY						Analyst: ELS
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:20:53 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: SNV
Arsenic	ND	0.020		mg/L	1	10/1/2010 1:17:28 PM
Barium	0.56	0.020		mg/L	1	10/1/2010 1:17:28 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 1:17:28 PM
Calcium	68	1.0		mg/L	1	10/1/2010 1:17:28 PM
Chromium	ND	0.0060		mg/L	1	10/1/2010 1:17:28 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 1:17:28 PM
Iron	0.56	0.020		mg/L	1	10/1/2010 1:17:28 PM
Lead	ND	0.0050		mg/L	1	10/1/2010 1:17:28 PM
Magnesium	11	1.0		mg/L	1	10/1/2010 1:17:28 PM
Manganese	1.2	0.010		mg/L	5	10/1/2010 1:21:27 PM
Potassium	ND	1.0		mg/L	1	10/1/2010 1:17:28 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 1:17:28 PM
Silver	ND	0.0050		mg/L	1	10/1/2010 1:17:28 PM
Sodium	260	5.0		mg/L	5	10/1/2010 1:21:27 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Arsenic	ND	0.020		mg/L	1	9/30/2010 9:08:47 PM
Barium	0.47	0.020		mg/L	1	9/30/2010 9:08:47 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 9:08:47 PM
Chromium	0.096	0.0060		mg/L	1	9/30/2010 9:08:47 PM
Copper	ND	0.0060		mg/L	1	9/30/2010 9:08:47 PM
Iron	1.6	0.25		mg/L	5	9/30/2010 9:12:52 PM
Lead	ND	0.0050		mg/L	1	9/30/2010 9:08:47 PM
Manganese	1.3	0.010		mg/L	5	9/30/2010 9:12:52 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 9:08:47 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 9:08:47 PM
Zinc	ND	0.020		mg/L	1	9/30/2010 9:08:47 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: KA-3
Lab Order: 1009830
Collection Date: 9/15/2010 2:12:00 PM
Project: 2010 3rd Qtr
Date Received: 9/17/2010
Lab ID: 1009830-03
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Acenaphthene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Acenaphthylene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Aniline	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Anthracene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Azobenzene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Benz(a)anthracene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Benzo(a)pyrene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Benzoic acid	ND	20		µg/L	1	9/22/2010 1:38:41 PM
Benzyl alcohol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	9/22/2010 1:38:41 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Butyl benzyl phthalate	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Carbazole	ND	10		µg/L	1	9/22/2010 1:38:41 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
4-Chloroaniline	ND	10		µg/L	1	9/22/2010 1:38:41 PM
2-Chloronaphthalene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
2-Chlorophenol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Chrysene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Di-n-butyl phthalate	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Di-n-octyl phthalate	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Dibenzofuran	ND	10		µg/L	1	9/22/2010 1:38:41 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Diethyl phthalate	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Dimethyl phthalate	ND	10		µg/L	1	9/22/2010 1:38:41 PM
2,4-Dichlorophenol	ND	20		µg/L	1	9/22/2010 1:38:41 PM
2,4-Dimethylphenol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	9/22/2010 1:38:41 PM
2,4-Dinitrophenol	ND	20		µg/L	1	9/22/2010 1:38:41 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	9/22/2010 1:38:41 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1009830	**Collection Date:**	9/15/2010 2:12:00 PM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Fluoranthene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Fluorene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Hexachlorobenzene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Hexachlorobutadiene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Hexachloroethane	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Isophorone	ND	10		µg/L	1	9/22/2010 1:38:41 PM
2-Methylnaphthalene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
2-Methylphenol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
3+4-Methylphenol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	9/22/2010 1:38:41 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	9/22/2010 1:38:41 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Naphthalene	11	10		µg/L	1	9/22/2010 1:38:41 PM
2-Nitroaniline	ND	10		µg/L	1	9/22/2010 1:38:41 PM
3-Nitroaniline	ND	10		µg/L	1	9/22/2010 1:38:41 PM
4-Nitroaniline	ND	20		µg/L	1	9/22/2010 1:38:41 PM
Nitrobenzene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
2-Nitrophenol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
4-Nitrophenol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Pentachlorophenol	ND	20		µg/L	1	9/22/2010 1:38:41 PM
Phenanthrene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Phenol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Pyrene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Pyridine	ND	10		µg/L	1	9/22/2010 1:38:41 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	9/22/2010 1:38:41 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	9/22/2010 1:38:41 PM
Surr: 2,4,6-Tribromophenol	44.6	16.6-150		%REC	1	9/22/2010 1:38:41 PM
Surr: 2-Fluorobiphenyl	47.1	19.6-134		%REC	1	9/22/2010 1:38:41 PM
Surr: 2-Fluorophenol	36.7	9.54-113		%REC	1	9/22/2010 1:38:41 PM
Surr: 4-Terphenyl-d14	47.7	22.7-145		%REC	1	9/22/2010 1:38:41 PM
Surr: Nitrobenzene-d5	45.9	14.6-134		%REC	1	9/22/2010 1:38:41 PM
Surr: Phenol-d5	26.6	10.7-80.3		%REC	1	9/22/2010 1:38:41 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: MMS
Benzene	520	10		µg/L	10	9/28/2010 3:03:04 PM
Toluene	ND	10		µg/L	10	9/28/2010 3:03:04 PM
Ethylbenzene	31	10		µg/L	10	9/28/2010 3:03:04 PM
Methyl tert-butyl ether (MTBE)	110	15		µg/L	10	9/28/2010 3:03:04 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1009830	**Collection Date:**	9/15/2010 2:12:00 PM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: MMS
1,2,4-Trimethylbenzene	ND	10		µg/L	10	9/28/2010 3:03:04 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	9/28/2010 3:03:04 PM
Xylenes, Total	ND	30		µg/L	10	9/28/2010 3:03:04 PM
Surr: 1,2-Dichloroethane-d4	87.5	54.6-141		%REC	10	9/28/2010 3:03:04 PM
Surr: 4-Bromofluorobenzene	90.8	60.1-133		%REC	10	9/28/2010 3:03:04 PM
Surr: Dibromofluoromethane	88.9	78.5-130		%REC	10	9/28/2010 3:03:04 PM
Surr: Toluene-d8	102	79.5-126		%REC	10	9/28/2010 3:03:04 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1009830	**Collection Date:**	9/15/2010 3:12:00 PM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	9/21/2010 1:45:00 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	9/21/2010 1:45:00 AM
Surr: DNOP	119	86.9-151		%REC	1	9/21/2010 1:45:00 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 4:09:40 PM
Surr: BFB	101	79.9-117		%REC	1	9/28/2010 4:09:40 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	9/24/2010 10:56:02 PM
Benzene	1.0	1.0		µg/L	1	9/24/2010 10:56:02 PM
Toluene	ND	1.0		µg/L	1	9/24/2010 10:56:02 PM
Ethylbenzene	ND	1.0		µg/L	1	9/24/2010 10:56:02 PM
Xylenes, Total	ND	2.0		µg/L	1	9/24/2010 10:56:02 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/24/2010 10:56:02 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/24/2010 10:56:02 PM
Surr: 4-Bromofluorobenzene	92.7	83.6-151		%REC	1	9/24/2010 10:56:02 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	9/28/2010 3:22:40 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/1/2010 1:24:18 PM
Barium	0.066	0.020		mg/L	1	10/1/2010 1:24:18 PM
Cadmium	ND	0.0020		mg/L	1	10/1/2010 1:24:18 PM
Calcium	39	1.0		mg/L	1	10/1/2010 1:24:18 PM
Chromium	ND	0.0060		mg/L	1	10/1/2010 1:24:18 PM
Copper	ND	0.0060		mg/L	1	10/1/2010 1:24:18 PM
Iron	0.021	0.020		mg/L	1	10/1/2010 1:24:18 PM
Lead	ND	0.0050		mg/L	1	10/1/2010 1:24:18 PM
Magnesium	6.3	1.0		mg/L	1	10/1/2010 1:24:18 PM
Manganese	0.0021	0.0020		mg/L	1	10/1/2010 1:24:18 PM
Potassium	3.9	1.0		mg/L	1	10/1/2010 1:24:18 PM
Selenium	ND	0.050		mg/L	1	10/1/2010 1:24:18 PM
Silver	ND	0.0050		mg/L	1	10/1/2010 1:24:18 PM
Sodium	910	10		mg/L	10	10/4/2010 1:04:38 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	9/30/2010 9:24:25 PM
Barium	0.11	0.020		mg/L	1	9/30/2010 9:24:25 PM
Cadmium	ND	0.0020		mg/L	1	9/30/2010 9:24:25 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1009830
Project: 2010 3rd Qtr
Lab ID: 1009830-04

Client Sample ID: NAPIS-3
Collection Date: 9/15/2010 3:12:00 PM
Date Received: 9/17/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Chromium	0.0098	0.0060		mg/L	1	9/30/2010 9:24:25 PM
Copper	0.014	0.0060		mg/L	1	9/30/2010 9:24:25 PM
Iron	3.9	0.25		mg/L	5	9/30/2010 9:30:09 PM
Lead	0.012	0.0050		mg/L	1	9/30/2010 9:24:25 PM
Manganese	0.15	0.0020		mg/L	1	9/30/2010 9:24:25 PM
Selenium	ND	0.050		mg/L	1	9/30/2010 9:24:25 PM
Silver	ND	0.0050		mg/L	1	9/30/2010 9:24:25 PM
Zinc	0.36	0.020		mg/L	1	9/30/2010 9:24:25 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Acenaphthene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Acenaphthylene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Aniline	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Anthracene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Azobenzene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Benz(a)anthracene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Benzo(a)pyrene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Benzoic acid	ND	20		µg/L	1	9/22/2010 1:08:18 PM
Benzyl alcohol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	9/22/2010 1:08:18 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Butyl benzyl phthalate	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Carbazole	ND	10		µg/L	1	9/22/2010 1:08:18 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
4-Chloroaniline	ND	10		µg/L	1	9/22/2010 1:08:18 PM
2-Chloronaphthalene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
2-Chlorophenol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Chrysene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Di-n-butyl phthalate	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Di-n-octyl phthalate	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Dibenzofuran	ND	10		µg/L	1	9/22/2010 1:08:18 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 1:08:18 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1009830
Project: 2010 3rd Qtr
Lab ID: 1009830-04

Client Sample ID: NAPIS-3
Collection Date: 9/15/2010 3:12:00 PM
Date Received: 9/17/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
1,4-Dichlorobenzene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Diethyl phthalate	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Dimethyl phthalate	ND	10		µg/L	1	9/22/2010 1:08:18 PM
2,4-Dichlorophenol	ND	20		µg/L	1	9/22/2010 1:08:18 PM
2,4-Dimethylphenol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	9/22/2010 1:08:18 PM
2,4-Dinitrophenol	ND	20		µg/L	1	9/22/2010 1:08:18 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Fluoranthene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Fluorene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Hexachlorobenzene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Hexachlorobutadiene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Hexachloroethane	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Isophorone	ND	10		µg/L	1	9/22/2010 1:08:18 PM
2-Methylnaphthalene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
2-Methylphenol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
3+4-Methylphenol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	9/22/2010 1:08:18 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	9/22/2010 1:08:18 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Naphthalene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
2-Nitroaniline	ND	10		µg/L	1	9/22/2010 1:08:18 PM
3-Nitroaniline	ND	10		µg/L	1	9/22/2010 1:08:18 PM
4-Nitroaniline	ND	20		µg/L	1	9/22/2010 1:08:18 PM
Nitrobenzene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
2-Nitrophenol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
4-Nitrophenol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Pentachlorophenol	ND	20		µg/L	1	9/22/2010 1:08:18 PM
Phenanthrene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Phenol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Pyrene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Pyridine	ND	10		µg/L	1	9/22/2010 1:08:18 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	9/22/2010 1:08:18 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	9/22/2010 1:08:18 PM
Surr: 2,4,6-Tribromophenol	65.8	16.6-150		%REC	1	9/22/2010 1:08:18 PM
Surr: 2-Fluorobiphenyl	60.0	19.6-134		%REC	1	9/22/2010 1:08:18 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1009830
Project: 2010 3rd Qtr
Lab ID: 1009830-04

Client Sample ID: NAPIS-3
Collection Date: 9/15/2010 3:12:00 PM
Date Received: 9/17/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: MAW
Surr: 2-Fluorophenol	40.1	9.54-113		%REC	1	9/22/2010 1:08:18 PM
Surr: 4-Terphenyl-d14	71.7	22.7-145		%REC	1	9/22/2010 1:08:18 PM
Surr: Nitrobenzene-d5	59.2	14.6-134		%REC	1	9/22/2010 1:08:18 PM
Surr: Phenol-d5	32.7	10.7-80.3		%REC	1	9/22/2010 1:08:18 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1009830	**Collection Date:**	9/15/2010 10:00:00 AM
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 4:38:36 PM
Surr: BFB	100	79.9-117		%REC	1	9/28/2010 4:38:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	9/24/2010 11:26:17 PM
Benzene	ND	1.0		µg/L	1	9/24/2010 11:26:17 PM
Toluene	ND	1.0		µg/L	1	9/24/2010 11:26:17 PM
Ethylbenzene	ND	1.0		µg/L	1	9/24/2010 11:26:17 PM
Xylenes, Total	ND	2.0		µg/L	1	9/24/2010 11:26:17 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/24/2010 11:26:17 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/24/2010 11:26:17 PM
Surr: 4-Bromofluorobenzene	98.0	83.6-151		%REC	1	9/24/2010 11:26:17 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1009830	**Collection Date:**	
Project:	2010 3rd Qtr	**Date Received:**	9/17/2010
Lab ID:	1009830-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/28/2010 5:07:34 PM
Surr: BFB	100	79.9-117		%REC	1	9/28/2010 5:07:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	9/24/2010 11:56:36 PM
Benzene	ND	1.0		µg/L	1	9/24/2010 11:56:36 PM
Toluene	ND	1.0		µg/L	1	9/24/2010 11:56:36 PM
Ethylbenzene	ND	1.0		µg/L	1	9/24/2010 11:56:36 PM
Xylenes, Total	ND	2.0		µg/L	1	9/24/2010 11:56:36 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/24/2010 11:56:36 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/24/2010 11:56:36 PM
Surr: 4-Bromofluorobenzene	108	83.6-151		%REC	1	9/24/2010 11:56:36 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009830
Lab ID: B10091866-001
Client Sample ID 1009830-01C, 01E, 01G, NAPIS-1

Report Date: 10/01/10
Collection Date: 09/15/10 10:32
DateReceived: 09/21/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Chloride	189	mg/L		1		E300.0	09/28/10 17:44 / kh
Sulfate	65	mg/L		1		E300.0	09/28/10 17:44 / kh
Fluoride	0.5	mg/L	L	0.1		E300.0	09/28/10 17:44 / kh
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	11.2	mg/L		0.5		E353.2	09/29/10 08:06 / bls
Phosphorus, Orthophosphate as P	0.019	mg/L	H	0.005		E365.1	09/21/10 16:05 / kak
- The sample was received after the holding time had expired for Orthophosphate.							
METALS, DISSOLVED							
Uranium	0.011	mg/L		0.001		E200.8	09/22/10 20:47 / jjw
METALS, TOTAL							
Uranium	0.018	mg/L		0.001		SW6020	09/24/10 16:46 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
H - Analysis performed past recommended holding time.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
L - Lowest available reporting limit for the analytical method us

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009830
Lab ID: B10091866-002
Client Sample ID 1009830-02C, 02E, 02G, NAPIS-2

Report Date: 10/01/10
Collection Date: 09/15/10 11:13
DateReceived: 09/21/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Chloride	220	mg/L		1		E300.0	09/28/10 17:56 / kh
Sulfate	6	mg/L		1		E300.0	09/28/10 17:56 / kh
Fluoride	1.3	mg/L	L	0.1		E300.0	09/28/10 17:56 / kh
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.5		E353.2	09/29/10 09:37 / bls
Phosphorus, Orthophosphate as P	0.01	mg/L	DH	0.01		E365.1	09/21/10 16:06 / kak
- The sample was received after the holding time had expired for Orthophosphate.							
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		E200.8	09/22/10 20:52 / jjw
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	09/24/10 16:50 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
L - Lowest available reporting limit for the analytical method used.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009830
Lab ID: B10091866-003
Client Sample ID 1009830-03C, 03E, 03G, KA-3

Report Date: 10/01/10
Collection Date: 09/15/10 14:12
DateReceived: 09/21/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Chloride	277	mg/L	D	2		E300.0	09/30/10 15:16 / kh
Sulfate	37	mg/L		1		E300.0	09/28/10 18:07 / kh
Fluoride	1.4	mg/L	L	0.1		E300.0	09/28/10 18:07 / kh
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.5		E353.2	09/29/10 09:39 / bls
Phosphorus, Orthophosphate as P	0.013	mg/L	H	0.005		E365.1	09/21/10 16:07 / kak
- The sample was received after the holding time had expired for Orthophosphate.							
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		E200.8	09/22/10 20:56 / jjw
METALS, TOTAL							
Uranium	0.003	mg/L		0.001		SW6020	09/24/10 16:54 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
L - Lowest available reporting limit for the analytical method used.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1009830
Lab ID: B10091866-004
Client Sample ID 1009830-04C, 04E, 04G, NAPIS-3

Report Date: 10/01/10
Collection Date: 09/15/10 15:12
DateReceived: 09/21/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Chloride	1040	mg/L	D	5		E300.0	09/28/10 18:42 / kh
Sulfate	290	mg/L	D	20		E300.0	09/28/10 18:42 / kh
Fluoride	ND	mg/L	D	2		E300.0	09/28/10 18:42 / kh
NUTRIENTS							
Nitrogen, Nitrate+Nitrite as N	24.1	mg/L		0.5		E353.2	09/29/10 08:08 / bls
Phosphorus, Orthophosphate as P	0.023	mg/L	H	0.005		E365.1	09/21/10 16:08 / kak
- The sample was received after the holding time had expired for Orthophosphate.							
METALS, DISSOLVED							
Uranium	0.032	mg/L		0.001		E200.8	09/22/10 21:33 / jjw
METALS, TOTAL							
Uranium	0.035	mg/L		0.001		SW6020	09/24/10 16:58 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.
H - Analysis performed past recommended holding time.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009830

Report Date: 10/01/10
Work Order: B10091866

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E200.8								Analytical Run: ICPMS202-B_100922A	
Sample ID: QCS - 100607A,100726A, Initial Calibration Verification Standard								09/22/10 11:26	
Uranium	0.0184	mg/L	0.0010	92	90	110			
Method: E200.8								Batch: R154275	
Sample ID: LRB Method Blank					Run: ICPMS202-B_100922A			09/22/10 12:03	
Uranium	ND	mg/L	2E-05						
Sample ID: LFB Laboratory Fortified Blank					Run: ICPMS202-B_100922A			09/22/10 12:07	
Uranium	0.0467	mg/L	0.0010	93	85	115			
Sample ID: B10091866-003BMS Sample Matrix Spike					Run: ICPMS202-B_100922A			09/22/10 21:00	
Uranium	0.235	mg/L	0.0010	93	70	130			
Sample ID: B10091866-003BMSD Sample Matrix Spike Duplicate					Run: ICPMS202-B_100922A			09/22/10 21:04	
Uranium	0.246	mg/L	0.0010	98	70	130	4.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009830

Report Date: 10/01/10
Work Order: B10091866

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E300.0								Analytical Run: IC202-B_100928A	
Sample ID: ICV092810-11	Initial Calibration Verification Standard							09/28/10 11:55	
Chloride	25.3	mg/L	1.0	101	90	110			
Sulfate	93.7	mg/L	1.0	94	90	110			
Fluoride	12.6	mg/L	0.12	101	90	110			
Method: E300.0								Batch: R154675	
Sample ID: ICB092810-12	Method Blank				Run: IC202-B_100928A			09/28/10 12:07	
Chloride	0.1	mg/L	0.02						
Sulfate	ND	mg/L	0.2						
Fluoride	ND	mg/L	0.1						
Sample ID: LFB092810-13	Laboratory Fortified Blank				Run: IC202-B_100928A			09/28/10 12:18	
Chloride	25.0	mg/L	1.0	99	90	110			
Sulfate	92.5	mg/L	1.1	93	90	110			
Fluoride	12.4	mg/L	0.13	99	90	110			
Sample ID: B10091866-003CMS	Sample Matrix Spike				Run: IC202-B_100928A			09/28/10 18:19	
Chloride	299	mg/L	1.0		90	110			A
Sulfate	143	mg/L	1.1	106	90	110			
Fluoride	13.9	mg/L	0.13	101	90	110			
Sample ID: B10091866-003CMSD	Sample Matrix Spike Duplicate				Run: IC202-B_100928A			09/28/10 18:31	
Chloride	299	mg/L	1.0		90	110	0.2	20	A
Sulfate	144	mg/L	1.1	107	90	110	0.3	20	
Fluoride	13.9	mg/L	0.13	100	90	110	0.3	20	
Sample ID: B10092015-002AMS	Sample Matrix Spike				Run: IC202-B_100928A			09/29/10 13:07	
Chloride	1360	mg/L	13	97	90	110			
Sulfate	10600	mg/L	54	104	90	110			
Fluoride	597	mg/L	6.7	95	90	110			
Sample ID: B10092015-002AMSD	Sample Matrix Spike Duplicate				Run: IC202-B_100928A			09/29/10 13:18	
Chloride	1340	mg/L	13	96	90	110	1	20	
Sulfate	10600	mg/L	54	103	90	110	0.4	20	
Fluoride	600	mg/L	6.7	96	90	110	0.6	20	
Sample ID: B10091866-003CMS	Sample Matrix Spike				Run: IC202-B_100928A			09/30/10 15:27	
Chloride	528	mg/L	2.7	101	90	110			
Sulfate	973	mg/L	11	94	90	110			
Fluoride	123	mg/L	1.3	97	90	110			
Sample ID: B10091866-003CMSD	Sample Matrix Spike Duplicate				Run: IC202-B_100928A			09/30/10 15:39	
Chloride	529	mg/L	2.7	101	90	110	0.2	20	
Sulfate	969	mg/L	11	94	90	110	0.4	20	
Fluoride	123	mg/L	1.3	97	90	110	0.4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

A - The analyte level was greater than four times the spike level. In accordance with the method % recovery is not calculated.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009830

Report Date: 10/01/10
Work Order: B10091866

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2								Analytical Run: FIA203-B_100929A	
Sample ID: ICV	Initial Calibration Verification Standard							09/29/10 06:57	
Nitrogen, Nitrate+Nitrite as N	30.1	mg/L	0.20	103	90	110			
Method: E353.2								Batch: R154665	
Sample ID: MBLK	Method Blank				Run: FIA203-B_100929A			09/29/10 06:58	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L	0.004						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA203-B_100929A			09/29/10 07:00	
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.010	103	90	110			
Sample ID: B10091869-002CMS	Sample Matrix Spike				Run: FIA203-B_100929A			09/29/10 09:14	
Nitrogen, Nitrate+Nitrite as N	1.60	mg/L	0.010	105	90	110			
Sample ID: B10091869-002CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_100929A			09/29/10 09:15	
Nitrogen, Nitrate+Nitrite as N	1.62	mg/L	0.010	107	90	110	1.3	10	
Sample ID: B10091869-008CMS	Sample Matrix Spike				Run: FIA203-B_100929A			09/29/10 09:30	
Nitrogen, Nitrate+Nitrite as N	1.01	mg/L	0.010	103	90	110			
Sample ID: B10091869-008CMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_100929A			09/29/10 09:31	
Nitrogen, Nitrate+Nitrite as N	1.02	mg/L	0.010	104	90	110	0.7	10	
Sample ID: B10091908-001DMS	Sample Matrix Spike				Run: FIA203-B_100929A			09/29/10 09:47	
Nitrogen, Nitrate+Nitrite as N	1.03	mg/L	0.010	104	90	110			
Sample ID: B10091908-001DMSD	Sample Matrix Spike Duplicate				Run: FIA203-B_100929A			09/29/10 09:48	
Nitrogen, Nitrate+Nitrite as N	1.03	mg/L	0.010	104	90	110	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009830

Report Date: 10/01/10
Work Order: B10091866

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E365.1								Analytical Run: FIA202-B_100921E	
Sample ID: ICV	Initial Calibration Verification Standard							09/21/10 15:38	
Phosphorus, Orthophosphate as P	0.241	mg/L	0.0050	96	90	110			
Method: E365.1								Batch: R154211	
Sample ID: MBLK	Method Blank				Run: FIA202-B_100921E			09/21/10 15:41	
Phosphorus, Orthophosphate as P	ND	mg/L	0.005						
Sample ID: LFB	Laboratory Fortified Blank				Run: FIA202-B_100921E			09/21/10 15:42	
Phosphorus, Orthophosphate as P	0.101	mg/L	0.0050	101	90	110			
Sample ID: B10091863-001BMS	Sample Matrix Spike				Run: FIA202-B_100921E			09/21/10 16:00	
Phosphorus, Orthophosphate as P	0.110	mg/L	0.0050	97	90	110			
Sample ID: B10091863-001BMSD	Sample Matrix Spike Duplicate				Run: FIA202-B_100921E			09/21/10 16:01	
Phosphorus, Orthophosphate as P	0.111	mg/L	0.0050	98	90	110	0.9	10	
Sample ID: B10091839-003AMS	Sample Matrix Spike				Run: FIA202-B_100921E			09/21/10 16:14	
Phosphorus, Orthophosphate as P	0.104	mg/L	0.0050	104	90	110			
Sample ID: B10091839-003AMSD	Sample Matrix Spike Duplicate				Run: FIA202-B_100921E			09/21/10 16:15	
Phosphorus, Orthophosphate as P	0.104	mg/L	0.0050	104	90	110	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1009830

Report Date: 10/01/10
Work Order: B10091866

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_100924A	
Sample ID: QCS - 100607A,100726A,	Initial Calibration Verification Standard							09/24/10 10:34	
Uranium	0.0184	mg/L	0.00030	92	90	110			
Sample ID: ICSA-ME091229B	Interference Check Sample A							09/24/10 10:38	
Uranium	2.20E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 1001	Interference Check Sample AB							09/24/10 10:42	
Uranium	6.00E-06	mg/L	0.00030		0	0			
Method: SW6020								Batch: 49247	
Sample ID: MB-49247	Method Blank				Run: ICPMS202-B_100924A			09/24/10 16:26	
Uranium	ND	mg/L	2E-05						
Sample ID: B10091857-001ADIL	Serial Dilution				Run: ICPMS202-B_100924A			09/24/10 16:34	
Uranium	0.0132	mg/L	0.0010		0	0	11	10	R
Sample ID: LCS-49247	Laboratory Control Sample				Run: ICPMS202-B_100924A			09/24/10 17:19	
Uranium	0.505	mg/L	0.0010	101	85	115			
Sample ID: B10091857-001AMS3	Sample Matrix Spike				Run: ICPMS202-B_100924A			09/24/10 17:22	
Uranium	0.553	mg/L	0.0010	108	75	125			
Sample ID: B10091857-001AMSD3	Sample Matrix Spike Duplicate				Run: ICPMS202-B_100924A			09/24/10 17:26	
Uranium	0.549	mg/L	0.0010	107	75	125	0.8	20	

Qualifiers:

RL - Analyte reporting limit.
R - RPD exceeds advisory limit.
ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 3rd Qtr **Work Order:** 1009830

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23826		*MBLK*				Batch ID:	**23826**	Analysis Date:		9/20/2010 5:47:41 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23826		*LCS*				Batch ID:	**23826**	Analysis Date:		9/20/2010 6:21:47 PM	
Diesel Range Organics (DRO)	5.766	mg/L	1.0	5	0	115	74	157			
Sample ID: LCSD-23826		*LCSD*				Batch ID:	**23826**	Analysis Date:		9/20/2010 6:55:54 PM	
Diesel Range Organics (DRO)	5.825	mg/L	1.0	5	0	116	74	157	1.01	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 1009830-04A MSD		*MSD*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 6:53:48 PM	
Gasoline Range Organics (GRO)	0.5014	mg/L	0.050	0.5	0	100	75.6	129	5.77	16.1	
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 9:19:52 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 11:51:28 AM	
Gasoline Range Organics (GRO)	0.4892	mg/L	0.050	0.5	0	97.8	89.5	122			
Sample ID: 1009830-04A MS		*MS*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 6:23:35 PM	
Gasoline Range Organics (GRO)	0.5312	mg/L	0.050	0.5	0	106	75.6	129			
Method: EPA Method 8021B: Volatiles											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 9:19:52 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R41190**	Analysis Date:		9/24/2010 12:21:46 PM	
Methyl tert-butyl ether (MTBE)	19.26	µg/L	2.5	20	0	96.3	75.5	124			
Benzene	20.03	µg/L	1.0	20	0.162	99.3	84.7	118			
Toluene	19.03	µg/L	1.0	20	0	95.1	82	123			
Ethylbenzene	19.52	µg/L	1.0	20	0.22	96.5	83	118			
Xylenes, Total	60.57	µg/L	2.0	60	0	101	85.4	119			
1,2,4-Trimethylbenzene	21.00	µg/L	1.0	20	0	105	82.1	113			
1,3,5-Trimethylbenzene	21.49	µg/L	1.0	20	0	107	89.6	119			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 3rd Qtr **Work Order:** 1009830

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260: Volatiles Short List											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R41224**		Analysis Date:	9/28/2010 10:20:13 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs		*LCS*				Batch ID: **R41224**		Analysis Date:	9/28/2010 11:16:49 AM		
Benzene	18.49	µg/L	1.0	20	0	92.4	82.4	116			
Toluene	20.32	µg/L	1.0	20	0	102	89.5	123			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 3rd Qtr **Work Order:** 1009830

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23837		*MBLK*									
Batch ID: 23837 Analysis Date: 9/21/2010 7:55:00 PM											
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
[redacted]zole	ND	µg/L	10								
4-[redacted]oro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 3rd Qtr **Work Order:** 1009830

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23837		*MBLK*				Batch ID:	**23837**	Analysis Date:		9/21/2010 7:55:00 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-23837		*LCS*				Batch ID:	**23837**	Analysis Date:		9/21/2010 8:25:27 PM	
Acenaphthene	69.84	µg/L	10	100	3.84	66.0	29.3	113			
4-Chloro-3-methylphenol	148.3	µg/L	10	200	0	74.1	23.3	123			
2-Chlorophenol	141.3	µg/L	10	200	0	70.6	23.9	112			
1,4-Dichlorobenzene	56.50	µg/L	10	100	0	56.5	16.5	106			
2,4-Dinitrotoluene	98.20	µg/L	10	100	0	98.2	27.7	126			
N-Nitrosodi-n-propylamine	65.76	µg/L	10	100	0	65.8	25.9	113			
4-Nitrophenol	126.9	µg/L	10	200	0	63.4	13.2	76.7			
Pentachlorophenol	122.8	µg/L	20	200	0	61.4	22.4	121			
Phenol	85.90	µg/L	10	200	0	43.0	15.3	68.3			
Pyrene	73.58	µg/L	10	100	0	73.6	23.5	119			
1,2,4-Trichlorobenzene	63.76	µg/L	10	100	0	63.8	23	107			
Sample ID: lcsd-23837		*LCSD*				Batch ID:	**23837**	Analysis Date:		9/21/2010 8:55:55 PM	
Acenaphthene	73.48	µg/L	10	100	3.84	69.6	29.3	113	5.08	30.5	
4-Chloro-3-methylphenol	156.0	µg/L	10	200	0	78.0	23.3	123	5.06	28.6	
2-Chlorophenol	154.2	µg/L	10	200	0	77.1	23.9	112	8.75	107	
1,4-Dichlorobenzene	63.14	µg/L	10	100	0	63.1	16.5	106	11.1	62.1	
2,4-Dinitrotoluene	99.14	µg/L	10	100	0	99.1	27.7	126	0.953	14.7	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 3rd Qtr **Work Order:** 1009830

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23837		*LCSD*				Batch ID:	**23837**	Analysis Date:		9/21/2010 8:55:55 PM	
N-Nitrosodi-n-propylamine	67.12	µg/L	10	100	0	67.1	25.9	113	2.05	30.3	
4-Nitrophenol	130.6	µg/L	10	200	0	65.3	13.2	76.7	2.92	36.3	
Pentachlorophenol	124.1	µg/L	20	200	0	62.0	22.4	121	1.02	49	
Phenol	93.00	µg/L	10	200	0	46.5	15.3	68.3	7.94	52.4	
Pyrene	66.16	µg/L	10	100	0	66.2	23.5	119	10.6	16.3	
1,2,4-Trichlorobenzene	67.12	µg/L	10	100	0	67.1	23	107	5.13	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-23924		*MBLK*				Batch ID:	**23924**	Analysis Date:		9/28/2010 3:13:51 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23924		*LCS*				Batch ID:	**23924**	Analysis Date:		9/28/2010 4:04:18 PM	
Mercury	0.005268	mg/L	0.00020	0.005	2E-05	105	80	120			
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R41319**	Analysis Date:		10/1/2010 12:30:48 PM	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: LCS		*LCS*				Batch ID:	**R41319**	Analysis Date:		10/1/2010 12:33:38 PM	
Arsenic	0.4908	mg/L	0.020	0.5	0	98.2	80	120			
Barium	0.4717	mg/L	0.020	0.5	0	94.3	80	120			
Cadmium	0.4799	mg/L	0.0020	0.5	0	96.0	80	120			
Calcium	50.19	mg/L	1.0	50.5	0.0311	99.3	80	120			
Chromium	0.4771	mg/L	0.0060	0.5	0	95.4	80	120			
Copper	0.5044	mg/L	0.0060	0.5	0	101	80	120			
Iron	0.4726	mg/L	0.020	0.5	0	94.5	80	120			
Lead	0.4787	mg/L	0.0050	0.5	0	95.7	80	120			
Magnesium	50.70	mg/L	1.0	50.5	0.0319	100	80	120			
Manganese	0.4664	mg/L	0.0020	0.5	0	93.3	80	120			
Potassium	52.97	mg/L	1.0	55	0.0703	96.2	80	120			
Selenium	0.4723	mg/L	0.050	0.5	0	94.5	80	120			
Silver	0.4782	mg/L	0.0050	0.5	0.0003	95.6	80	120			
Sodium	53.62	mg/L	1.0	50.5	0.042	106	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 3rd Qtr **Work Order:** 1009830

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23852		*MBLK*				Batch ID:	**23852**	Analysis Date:	9/22/2010 6:48:30 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sample ID: MB-23852		*MBLK*				Batch ID:	**23852**	Analysis Date:	9/23/2010 6:16:57 PM		
Zinc	ND	mg/L	0.020								
Sample ID: MB-23852		*MBLK*				Batch ID:	**23852**	Analysis Date:	9/30/2010 8:29:17 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23852		*LCS*				Batch ID:	**23852**	Analysis Date:	9/22/2010 6:51:30 PM		
Arsenic	0.5211	mg/L	0.020	0.5	0	104	80	120			
Barium	0.4876	mg/L	0.020	0.5	0	97.5	80	120			
Cadmium	0.5046	mg/L	0.0020	0.5	0	101	80	120			
Chromium	0.4962	mg/L	0.0060	0.5	0	99.2	80	120			
Copper	0.5375	mg/L	0.0060	0.5	0.0010	107	80	120			
Iron	0.4809	mg/L	0.050	0.5	0	96.2	80	120			
Lead	0.4914	mg/L	0.0050	0.5	0	98.3	80	120			
Manganese	0.4866	mg/L	0.0020	0.5	0	97.3	80	120			
Selenium	0.5024	mg/L	0.050	0.5	0	100	80	120			
Silver	0.5086	mg/L	0.0050	0.5	0.0003	102	80	120			
Sample ID: LCS-23852		*LCS*				Batch ID:	**23852**	Analysis Date:	9/23/2010 6:19:45 PM		
Arsenic	0.5127	mg/L	0.020	0.5	0	103	80	120	1.63	0	
Barium	0.4876	mg/L	0.020	0.5	0	97.5	80	120	0.0167	0	
Cadmium	0.5044	mg/L	0.0020	0.5	0	101	80	120	0.0373	0	
Chromium	0.4981	mg/L	0.0060	0.5	0	99.6	80	120	0.394	0	
Lead	0.4879	mg/L	0.0050	0.5	0	97.6	80	120	0.709	0	
Selenium	0.5052	mg/L	0.050	0.5	0	101	80	120	0.572	0	
Silver	0.5054	mg/L	0.0050	0.5	0.0003	101	80	120	0.622	0	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 3rd Qtr **Work Order:** 1009830

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: LCS-23852		*LCS*				Batch ID:	**23852**	Analysis Date:		9/23/2010 6:19:45 PM	
Zinc	0.4795	mg/L	0.020	0.5	0	95.9	80	120	0.493	0	
Sample ID: LCS-23852		*LCS*				Batch ID:	**23852**	Analysis Date:		9/30/2010 8:41:50 PM	
Arsenic	0.4869	mg/L	0.020	0.5	0	97.4	80	120			
Barium	0.4921	mg/L	0.020	0.5	0	98.4	80	120			
Cadmium	0.4887	mg/L	0.0020	0.5	0	97.7	80	120			
Chromium	0.5021	mg/L	0.0060	0.5	0	100	80	120			
Copper	0.5801	mg/L	0.0060	0.5	0.0033	115	80	120			
Iron	0.4937	mg/L	0.050	0.5	0	98.7	80	120			
Lead	0.4804	mg/L	0.0050	0.5	0	96.1	80	120			
Manganese	0.4914	mg/L	0.0020	0.5	0	98.3	80	120			
Selenium	0.4606	mg/L	0.050	0.5	0	92.1	80	120			
Silver	0.5093	mg/L	0.0050	0.5	0.0015	102	80	120			
Zinc	0.4665	mg/L	0.020	0.5	0	93.3	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU Date Received: 9/17/2010

Work Order Number 1009830 Received by: ARS

Checklist completed by: _____ 9/17/10 Sample ID labels checked by: _____

Signature Date Initials

Matrix: Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐	
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑		
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☑	No ☐			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐		
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐		
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐		
Container/Temp Blank temperature?	1.3°	<6° C Acceptable If given sufficient time to cool.			

Number of preserved bottles checked for pH: 20

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 0.4ml HNO_3 to -04E for an acceptable pH. MG 9/17/10
Poured off 1L unpreserved amber into 125ml unpreserved bottle for cations MG 9/17/10 ~~MG 9/17/10~~

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 2010 3rd QTR
Project #: NAPIS
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1009830	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA) + phenols	WQCC Metals + Hg	Major Cations, Anions			Air Bubbles (Y or N)
9/15/10	1032	H2O	NAPIS-1			1	X		X							X	X	X	X			
	1113		NAPIS-2			2	X		X								X	X	X			
	1412		KA-3			3	X		X								X	X	X			
	1512		NAPIS-3			4	X		X								X	X	X			
	1000		Field Blank			5	X		X													
			TRIP Blank			6	X		X													

Date: 9/16/10 Time: 0900 Relinquished by:
Date: Time: Relinquished by:

Received by: 9:55 Date: 9/17/10 Time:
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.

Napis Wells

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, November 19, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2010 4th Qtr

Order No.: 1011139

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 11/3/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

MW-1 GWM-1

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 9:10:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	6.0	1.0		mg/L	1	11/5/2010 2:45:30 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/5/2010 2:45:30 PM
Surr: DNOP	121	86.9-151		%REC	1	11/5/2010 2:45:30 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.68	0.50		mg/L	10	11/4/2010 4:01:25 PM
Surr: BFB	203	84.5-118	S	%REC	10	11/4/2010 4:01:25 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	3.5	1.0		mg/L	10	11/3/2010 5:56:26 PM
Chloride	1300	50		mg/L	100	11/6/2010 11:51:12 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	11/3/2010 5:56:26 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	11/3/2010 5:56:26 PM
Sulfate	26	5.0		mg/L	10	11/3/2010 5:56:26 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:30:55 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.20		mg/L	10	11/14/2010 1:17:35 PM
Barium	1.3	0.20		mg/L	10	11/14/2010 1:17:35 PM
Cadmium	ND	0.0020		mg/L	1	11/14/2010 12:22:31 PM
Calcium	330	10		mg/L	10	11/14/2010 1:17:35 PM
Chromium	ND	0.0060		mg/L	1	11/14/2010 12:22:31 PM
Copper	ND	0.0060		mg/L	1	11/14/2010 12:22:31 PM
Iron	5.2	0.40		mg/L	20	11/17/2010 6:17:06 PM
Lead	0.0094	0.0050		mg/L	1	11/14/2010 12:22:31 PM
Magnesium	75	1.0		mg/L	1	11/14/2010 12:22:31 PM
Manganese	3.0	0.020		mg/L	10	11/14/2010 1:17:35 PM
Potassium	2.9	1.0		mg/L	1	11/14/2010 12:22:31 PM
Selenium	ND	0.050		mg/L	1	11/14/2010 12:22:31 PM
Silver	ND	0.0050		mg/L	1	11/14/2010 12:22:31 PM
Sodium	1100	20		mg/L	20	11/17/2010 6:17:06 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	0.14	0.020		mg/L	1	11/9/2010 12:34:52 PM
Barium	1.4	0.10		mg/L	5	11/9/2010 1:28:43 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 12:34:52 PM
Chromium	ND	0.0060		mg/L	1	11/9/2010 12:34:52 PM
Copper	ND	0.0060		mg/L	1	11/9/2010 12:34:52 PM
Iron	7.9	0.50		mg/L	10	11/9/2010 2:23:58 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 9:10:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Lead	0.0095	0.0050		mg/L	1	11/9/2010 12:34:52 PM
Manganese	3.0	0.010		mg/L	5	11/9/2010 1:28:43 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 12:34:52 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 12:34:52 PM
Zinc	0.025	0.020		mg/L	1	11/9/2010 12:34:52 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	6.9	1.0		µg/L	1	11/4/2010 2:22:06 PM
Toluene	2.3	1.0		µg/L	1	11/4/2010 2:22:06 PM
Ethylbenzene	3.5	1.0		µg/L	1	11/4/2010 2:22:06 PM
Methyl tert-butyl ether (MTBE)	62	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2,4-Trimethylbenzene	7.5	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Naphthalene	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
1-Methylnaphthalene	11	4.0		µg/L	1	11/4/2010 2:22:06 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/4/2010 2:22:06 PM
Acetone	ND	10		µg/L	1	11/4/2010 2:22:06 PM
Bromobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Bromoform	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Bromomethane	ND	3.0		µg/L	1	11/4/2010 2:22:06 PM
2-Butanone	ND	10		µg/L	1	11/4/2010 2:22:06 PM
Carbon disulfide	ND	10		µg/L	1	11/4/2010 2:22:06 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Chlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Chloroethane	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
Chloroform	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Chloromethane	ND	3.0		µg/L	1	11/4/2010 2:22:06 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Dibromomethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 9:10:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,1-Dichloroethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
2-Hexanone	ND	10		µg/L	1	11/4/2010 2:22:06 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/4/2010 2:22:06 PM
Methylene Chloride	ND	3.0		µg/L	1	11/4/2010 2:22:06 PM
n-Butylbenzene	1.6	1.0		µg/L	1	11/4/2010 2:22:06 PM
n-Propylbenzene	1.2	1.0		µg/L	1	11/4/2010 2:22:06 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Styrene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/4/2010 2:22:06 PM
Vinyl chloride	ND	1.0		µg/L	1	11/4/2010 2:22:06 PM
Xylenes, Total	22	1.5		µg/L	1	11/4/2010 2:22:06 PM
Surr: 1,2-Dichloroethane-d4	99.7	77.7-113		%REC	1	11/4/2010 2:22:06 PM
Surr: 4-Bromofluorobenzene	108	76.4-106	S	%REC	1	11/4/2010 2:22:06 PM
Surr: Dibromofluoromethane	103	91.6-125		%REC	1	11/4/2010 2:22:06 PM
Surr: Toluene-d8	98.0	92.3-107		%REC	1	11/4/2010 2:22:06 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1011139	**Collection Date:**	11/2/2010 10:15:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	5.1	1.0		mg/L	1	11/5/2010 3:19:36 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/5/2010 3:19:36 PM
Surr: DNOP	123	86.9-151		%REC	1	11/5/2010 3:19:36 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.57	0.50		mg/L	10	11/4/2010 4:30:18 PM
Surr: BFB	106	84.5-118		%REC	10	11/4/2010 4:30:18 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.7	1.0		mg/L	10	11/3/2010 6:31:15 PM
Chloride	230	25		mg/L	50	11/3/2010 6:48:40 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	11/3/2010 6:31:15 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	11/3/2010 6:31:15 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	11/3/2010 6:31:15 PM
Sulfate	7.8	5.0		mg/L	10	11/3/2010 6:31:15 PM
PA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:32:41 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	11/14/2010 1:20:26 PM
Barium	1.4	0.10		mg/L	5	11/14/2010 1:20:26 PM
Cadmium	ND	0.0020		mg/L	1	11/14/2010 12:36:51 PM
Calcium	73	1.0		mg/L	1	11/14/2010 12:36:51 PM
Chromium	ND	0.0060		mg/L	1	11/14/2010 12:36:51 PM
Copper	ND	0.0060		mg/L	1	11/14/2010 12:36:51 PM
Iron	2.9	0.10		mg/L	5	11/17/2010 6:20:02 PM
Lead	ND	0.0050		mg/L	1	11/14/2010 12:36:51 PM
Magnesium	14	1.0		mg/L	1	11/14/2010 12:36:51 PM
Manganese	1.2	0.010		mg/L	5	11/14/2010 1:20:26 PM
Potassium	ND	1.0		mg/L	1	11/14/2010 12:36:51 PM
Selenium	ND	0.050		mg/L	1	11/14/2010 12:36:51 PM
Silver	ND	0.0050		mg/L	1	11/14/2010 12:36:51 PM
Sodium	320	5.0		mg/L	5	11/14/2010 1:20:26 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 12:38:58 PM
Barium	1.2	0.10		mg/L	5	11/9/2010 1:34:23 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 12:38:58 PM
Chromium	ND	0.0060		mg/L	1	11/9/2010 12:38:58 PM
Copper	ND	0.0060		mg/L	1	11/9/2010 12:38:58 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1011139	**Collection Date:**	11/2/2010 10:15:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Iron	4.2	0.25		mg/L	5	11/9/2010 1:34:23 PM
Lead	ND	0.0050		mg/L	1	11/9/2010 12:38:58 PM
Manganese	1.2	0.010		mg/L	5	11/9/2010 1:34:23 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 12:38:58 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 12:38:58 PM
Zinc	ND	0.020		mg/L	1	11/9/2010 12:38:58 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	10	10		µg/L	1	11/10/2010 11:59:55 AM
Acenaphthylene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Aniline	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Anthracene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Azobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benz(a)anthracene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benzo(a)pyrene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Benzoic acid	ND	20		µg/L	1	11/10/2010 11:59:55 AM
Benzyl alcohol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Butyl benzyl phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Carbazole	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Chloroaniline	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Chloronaphthalene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Chlorophenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Chrysene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Di-n-butyl phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Di-n-octyl phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Dibenzofuran	ND	10		µg/L	1	11/10/2010 11:59:55 AM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/10/2010 11:59:55 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: NAPIS-2
Lab Order: 1011139
Collection Date: 11/2/2010 10:15:00 AM
Project: 2010 4th Qtr
Date Received: 11/3/2010
Lab ID: 1011139-02
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Dimethyl phthalate	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2,4-Dichlorophenol	ND	20		µg/L	1	11/10/2010 11:59:55 AM
2,4-Dimethylphenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/10/2010 11:59:55 AM
2,4-Dinitrophenol	ND	20		µg/L	1	11/10/2010 11:59:55 AM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Fluoranthene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Fluorene	11	10		µg/L	1	11/10/2010 11:59:55 AM
Hexachlorobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Hexachlorobutadiene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Hexachloroethane	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Isophorone	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Methylnaphthalene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Methylphenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
3+4-Methylphenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/10/2010 11:59:55 AM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/10/2010 11:59:55 AM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Naphthalene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Nitroaniline	ND	10		µg/L	1	11/10/2010 11:59:55 AM
3-Nitroaniline	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Nitroaniline	ND	20		µg/L	1	11/10/2010 11:59:55 AM
Nitrobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2-Nitrophenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
4-Nitrophenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Pentachlorophenol	ND	20		µg/L	1	11/10/2010 11:59:55 AM
Phenanthrene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Phenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Pyrene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Pyridine	ND	10		µg/L	1	11/10/2010 11:59:55 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/10/2010 11:59:55 AM
Surr: 2,4,6-Tribromophenol	65.2	17.5-104		%REC	1	11/10/2010 11:59:55 AM
Surr: 2-Fluorobiphenyl	66.2	30.9-98.9		%REC	1	11/10/2010 11:59:55 AM
Surr: 2-Fluorophenol	62.5	12.4-90.1		%REC	1	11/10/2010 11:59:55 AM
Surr: 4-Terphenyl-d14	76.1	43.5-91.9		%REC	1	11/10/2010 11:59:55 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	1011139	**Collection Date:**	11/2/2010 10:15:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	76.7	26.2-108		%REC	1	11/10/2010 11:59:55 AM
Surr: Phenol-d5	47.5	11.8-73.1		%REC	1	11/10/2010 11:59:55 AM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	15	5.0		µg/L	5	11/4/2010 4:12:09 PM
Toluene	ND	5.0		µg/L	5	11/4/2010 4:12:09 PM
Ethylbenzene	ND	5.0		µg/L	5	11/4/2010 4:12:09 PM
Methyl tert-butyl ether (MTBE)	270	7.5		µg/L	5	11/4/2010 4:12:09 PM
Xylenes, Total	ND	15		µg/L	5	11/4/2010 4:12:09 PM
Surr: 1,2-Dichloroethane-d4	99.9	77.7-113		%REC	5	11/4/2010 4:12:09 PM
Surr: 4-Bromofluorobenzene	103	76.4-106		%REC	5	11/4/2010 4:12:09 PM
Surr: Dibromofluoromethane	102	91.6-125		%REC	5	11/4/2010 4:12:09 PM
Surr: Toluene-d8	99.0	92.3-107		%REC	5	11/4/2010 4:12:09 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 11:09:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	1.7	1.0		mg/L	1	11/5/2010 3:53:43 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/5/2010 3:53:43 PM
Surr: DNOP	122	86.9-151		%REC	1	11/5/2010 3:53:43 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.68	0.25		mg/L	5	11/4/2010 4:59:14 PM
Surr: BFB	108	84.5-118		%REC	5	11/4/2010 4:59:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	1.7	1.0		mg/L	10	11/3/2010 7:06:04 PM
Chloride	260	25		mg/L	50	11/3/2010 7:23:29 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	11/3/2010 7:06:04 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	11/3/2010 7:06:04 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	11/3/2010 7:06:04 PM
Sulfate	38	5.0		mg/L	10	11/3/2010 7:06:04 PM
PA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:34:26 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	11/14/2010 1:23:17 PM
Barium	0.62	0.020		mg/L	1	11/14/2010 12:40:51 PM
Cadmium	ND	0.0020		mg/L	1	11/14/2010 12:40:51 PM
Calcium	81	1.0		mg/L	1	11/14/2010 12:40:51 PM
Chromium	ND	0.0060		mg/L	1	11/14/2010 12:40:51 PM
Copper	ND	0.0060		mg/L	1	11/14/2010 12:40:51 PM
Iron	0.32	0.020		mg/L	1	11/17/2010 6:24:43 PM
Lead	ND	0.0050		mg/L	1	11/14/2010 12:40:51 PM
Magnesium	14	1.0		mg/L	1	11/14/2010 12:40:51 PM
Manganese	1.4	0.010		mg/L	5	11/14/2010 1:23:17 PM
Potassium	ND	1.0		mg/L	1	11/14/2010 12:40:51 PM
Selenium	ND	0.050		mg/L	1	11/14/2010 12:40:51 PM
Silver	ND	0.0050		mg/L	1	11/14/2010 12:40:51 PM
Sodium	330	5.0		mg/L	5	11/14/2010 1:23:17 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 12:42:51 PM
Barium	0.60	0.020		mg/L	1	11/9/2010 12:42:51 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 12:42:51 PM
Chromium	ND	0.0060		mg/L	1	11/9/2010 12:42:51 PM
Copper	ND	0.0060		mg/L	1	11/9/2010 12:42:51 PM

ualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 11:09:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Iron	1.2	0.25		mg/L	5	11/9/2010 1:37:33 PM
Lead	ND	0.0050		mg/L	1	11/9/2010 12:42:51 PM
Manganese	1.4	0.010		mg/L	5	11/9/2010 1:37:33 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 12:42:51 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 12:42:51 PM
Zinc	ND	0.020		mg/L	1	11/9/2010 12:42:51 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Acenaphthylene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Aniline	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Anthracene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Azobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benz(a)anthracene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Benzoic acid	ND	20		µg/L	1	11/10/2010 12:29:34 PM
Benzyl alcohol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Carbazole	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Chloroaniline	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2-Chlorophenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Chrysene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Dibenzofuran	ND	10		µg/L	1	11/10/2010 12:29:34 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/10/2010 12:29:34 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 11:09:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Dimethyl phthalate	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/10/2010 12:29:34 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/10/2010 12:29:34 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/10/2010 12:29:34 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Fluoranthene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Fluorene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Hexachlorobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Hexachloroethane	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Isophorone	ND	10		µg/L	1	11/10/2010 12:29:34 PM
[redacted]-Methylnaphthalene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2-Methylphenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
3+4-Methylphenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/10/2010 12:29:34 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/10/2010 12:29:34 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Naphthalene	13	10		µg/L	1	11/10/2010 12:29:34 PM
2-Nitroaniline	ND	10		µg/L	1	11/10/2010 12:29:34 PM
3-Nitroaniline	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Nitroaniline	ND	20		µg/L	1	11/10/2010 12:29:34 PM
Nitrobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2-Nitrophenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
4-Nitrophenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Pentachlorophenol	ND	20		µg/L	1	11/10/2010 12:29:34 PM
Phenanthrene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Phenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Pyrene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Pyridine	ND	10		µg/L	1	11/10/2010 12:29:34 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/10/2010 12:29:34 PM
Surr: 2,4,6-Tribromophenol	68.5	17.5-104		%REC	1	11/10/2010 12:29:34 PM
Surr: 2-Fluorobiphenyl	72.3	30.9-98.9		%REC	1	11/10/2010 12:29:34 PM
Surr: 2-Fluorophenol	57.1	12.4-90.1		%REC	1	11/10/2010 12:29:34 PM
Surr: 4-Terphenyl-d14	72.8	43.5-91.9		%REC	1	11/10/2010 12:29:34 PM

[redacted]ualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 11:09:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	76.1	26.2-108		%REC	1	11/10/2010 12:29:34 PM
Surr: Phenol-d5	43.7	11.8-73.1		%REC	1	11/10/2010 12:29:34 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	230	10		µg/L	10	11/4/2010 5:07:04 PM
Toluene	ND	10		µg/L	10	11/4/2010 5:07:04 PM
Ethylbenzene	14	10		µg/L	10	11/4/2010 5:07:04 PM
Methyl tert-butyl ether (MTBE)	100	15		µg/L	10	11/4/2010 5:07:04 PM
Xylenes, Total	ND	30		µg/L	10	11/4/2010 5:07:04 PM
Surr: 1,2-Dichloroethane-d4	101	77.7-113		%REC	10	11/4/2010 5:07:04 PM
Surr: 4-Bromofluorobenzene	96.1	76.4-106		%REC	10	11/4/2010 5:07:04 PM
Surr: Dibromofluoromethane	105	91.6-125		%REC	10	11/4/2010 5:07:04 PM
Surr: Toluene-d8	96.9	92.3-107		%REC	10	11/4/2010 5:07:04 PM

Qualifiers:

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- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 12:04:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/5/2010 4:27:51 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/5/2010 4:27:51 PM
Surr: DNOP	119	86.9-151		%REC	1	11/5/2010 4:27:51 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/4/2010 5:28:09 PM
Surr: BFB	99.9	84.5-118		%REC	1	11/4/2010 5:28:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.48	0.10		mg/L	1	11/3/2010 7:40:53 PM
Chloride	1100	50		mg/L	100	11/6/2010 12:08:37 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/3/2010 7:58:18 PM
Nitrogen, Nitrate (As N)	18	2.0		mg/L	20	11/3/2010 7:58:18 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/3/2010 7:40:53 PM
Sulfate	430	10		mg/L	20	11/3/2010 7:58:18 PM
PA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:36:12 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	11/14/2010 12:44:51 PM
Barium	0.081	0.020		mg/L	1	11/14/2010 12:44:51 PM
Cadmium	ND	0.0020		mg/L	1	11/14/2010 12:44:51 PM
Calcium	42	1.0		mg/L	1	11/14/2010 12:44:51 PM
Chromium	ND	0.0060		mg/L	1	11/14/2010 12:44:51 PM
Copper	ND	0.0060		mg/L	1	11/14/2010 12:44:51 PM
Iron	0.025	0.020		mg/L	1	11/17/2010 6:28:50 PM
Lead	ND	0.0050		mg/L	1	11/14/2010 12:44:51 PM
Magnesium	7.0	1.0		mg/L	1	11/14/2010 12:44:51 PM
Manganese	0.010	0.0020		mg/L	1	11/14/2010 12:44:51 PM
Potassium	4.2	1.0		mg/L	1	11/14/2010 12:44:51 PM
Selenium	ND	0.050		mg/L	1	11/14/2010 12:44:51 PM
Silver	ND	0.0050		mg/L	1	11/14/2010 12:44:51 PM
Sodium	990	20		mg/L	20	11/14/2010 1:26:07 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 12:46:56 PM
Barium	0.096	0.020		mg/L	1	11/9/2010 12:46:56 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 12:46:56 PM
Chromium	0.0075	0.0060		mg/L	1	11/9/2010 12:46:56 PM
Copper	0.012	0.0060		mg/L	1	11/9/2010 12:46:56 PM

ualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 12:04:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Iron	2.6	0.25		mg/L	5	11/9/2010 1:40:39 PM
Lead	0.011	0.0050		mg/L	1	11/9/2010 12:46:56 PM
Manganese	0.12	0.0020		mg/L	1	11/9/2010 12:46:56 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 12:46:56 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 12:46:56 PM
Zinc	0.59	0.020		mg/L	1	11/9/2010 12:46:56 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Acenaphthylene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Aniline	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Anthracene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Azobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benz(a)anthracene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Benzoic acid	ND	20		µg/L	1	11/10/2010 12:59:21 PM
Benzyl alcohol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Carbazole	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Chloroaniline	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Chlorophenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Chrysene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Dibenzofuran	ND	10		µg/L	1	11/10/2010 12:59:21 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/10/2010 12:59:21 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011139
Project: 2010 4th Qtr
Lab ID: 1011139-04

Client Sample ID: NAPIS-3
Collection Date: 11/2/2010 12:04:00 PM
Date Received: 11/3/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Dimethyl phthalate	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/10/2010 12:59:21 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/10/2010 12:59:21 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/10/2010 12:59:21 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Fluoranthene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Fluorene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Hexachlorobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Hexachloroethane	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Isophorone	ND	10		µg/L	1	11/10/2010 12:59:21 PM
1-Methylnaphthalene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Methylphenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
3+4-Methylphenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/10/2010 12:59:21 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/10/2010 12:59:21 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Naphthalene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Nitroaniline	ND	10		µg/L	1	11/10/2010 12:59:21 PM
3-Nitroaniline	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Nitroaniline	ND	20		µg/L	1	11/10/2010 12:59:21 PM
Nitrobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2-Nitrophenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
4-Nitrophenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Pentachlorophenol	ND	20		µg/L	1	11/10/2010 12:59:21 PM
Phenanthrene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Phenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Pyrene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Pyridine	ND	10		µg/L	1	11/10/2010 12:59:21 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/10/2010 12:59:21 PM
Surr: 2,4,6-Tribromophenol	70.3	17.5-104		%REC	1	11/10/2010 12:59:21 PM
Surr: 2-Fluorobiphenyl	70.9	30.9-98.9		%REC	1	11/10/2010 12:59:21 PM
Surr: 2-Fluorophenol	62.6	12.4-90.1		%REC	1	11/10/2010 12:59:21 PM
Surr: 4-Terphenyl-d14	68.4	43.5-91.9		%REC	1	11/10/2010 12:59:21 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	1011139	**Collection Date:**	11/2/2010 12:04:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	87.6	26.2-108		%REC	1	11/10/2010 12:59:21 PM
Surr: Phenol-d5	46.6	11.8-73.1		%REC	1	11/10/2010 12:59:21 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/4/2010 6:01:52 PM
Toluene	ND	1.0		µg/L	1	11/4/2010 6:01:52 PM
Ethylbenzene	ND	1.0		µg/L	1	11/4/2010 6:01:52 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/4/2010 6:01:52 PM
Xylenes, Total	ND	1.5		µg/L	1	11/4/2010 6:01:52 PM
Surr: 1,2-Dichloroethane-d4	97.2	77.7-113		%REC	1	11/4/2010 6:01:52 PM
Surr: 4-Bromofluorobenzene	111	76.4-106	S	%REC	1	11/4/2010 6:01:52 PM
Surr: Dibromofluoromethane	98.8	91.6-125		%REC	1	11/4/2010 6:01:52 PM
Surr: Toluene-d8	98.2	92.3-107		%REC	1	11/4/2010 6:01:52 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

[redacted] Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-I
Lab Order:	1011139	**Collection Date:**	11/2/2010 3:05:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/5/2010 5:01:41 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/5/2010 5:01:41 PM
Surr: DNOP	120	86.9-151		%REC	1	11/5/2010 5:01:41 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/4/2010 5:57:11 PM
Surr: BFB	100	84.5-118		%REC	1	11/4/2010 5:57:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	0.96	0.10		mg/L	1	11/3/2010 8:50:32 PM
Chloride	200	10		mg/L	20	11/3/2010 9:07:57 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	11/3/2010 9:07:57 PM
Nitrogen, Nitrate (As N)	6.9	0.10		mg/L	1	11/3/2010 8:50:32 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/3/2010 8:50:32 PM
Sulfate	98	10		mg/L	20	11/3/2010 9:07:57 PM
[redacted] METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	11/10/2010 12:37:58 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	11/14/2010 1:28:56 PM
Barium	0.13	0.020		mg/L	1	11/14/2010 12:48:49 PM
Cadmium	ND	0.0020		mg/L	1	11/14/2010 12:48:49 PM
Calcium	75	5.0		mg/L	5	11/14/2010 1:28:56 PM
Chromium	ND	0.0060		mg/L	1	11/14/2010 12:48:49 PM
Copper	ND	0.0060		mg/L	1	11/14/2010 12:48:49 PM
Iron	0.057	0.020		mg/L	1	11/17/2010 6:42:00 PM
Lead	ND	0.0050		mg/L	1	11/14/2010 12:48:49 PM
Magnesium	14	5.0		mg/L	5	11/14/2010 1:28:56 PM
Manganese	0.016	0.0020		mg/L	1	11/14/2010 12:48:49 PM
Potassium	ND	5.0		mg/L	5	11/14/2010 1:28:56 PM
Selenium	ND	0.25		mg/L	5	11/14/2010 1:28:56 PM
Silver	ND	0.0050		mg/L	1	11/14/2010 12:48:49 PM
Sodium	420	5.0		mg/L	5	11/14/2010 1:28:56 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	11/9/2010 12:51:09 PM
Barium	0.26	0.020		mg/L	1	11/9/2010 12:51:09 PM
Cadmium	ND	0.0020		mg/L	1	11/9/2010 12:51:09 PM
Chromium	0.0062	0.0060		mg/L	1	11/9/2010 12:51:09 PM
Copper	ND	0.0060		mg/L	1	11/9/2010 12:51:09 PM

[redacted]alifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 3:05:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Iron	6.4	0.50		mg/L	10	11/9/2010 2:26:58 PM
Lead	ND	0.0050		mg/L	1	11/9/2010 12:51:09 PM
Manganese	0.16	0.0020		mg/L	1	11/9/2010 12:51:09 PM
Selenium	ND	0.050		mg/L	1	11/9/2010 12:51:09 PM
Silver	ND	0.0050		mg/L	1	11/9/2010 12:51:09 PM
Zinc	0.027	0.020		mg/L	1	11/9/2010 12:51:09 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Acenaphthylene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Aniline	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Anthracene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Azobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benz(a)anthracene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Benzoic acid	ND	20		µg/L	1	11/10/2010 1:29:02 PM
Benzyl alcohol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Carbazole	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Chloroaniline	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Chlorophenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Chrysene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Dibenzofuran	ND	10		µg/L	1	11/10/2010 1:29:02 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/10/2010 1:29:02 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 3:05:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Diethyl phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Dimethyl phthalate	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/10/2010 1:29:02 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/10/2010 1:29:02 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/10/2010 1:29:02 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Fluoranthene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Fluorene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Hexachlorobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Hexachloroethane	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Isophorone	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Methylphenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
3+4-Methylphenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/10/2010 1:29:02 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/10/2010 1:29:02 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Naphthalene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Nitroaniline	ND	10		µg/L	1	11/10/2010 1:29:02 PM
3-Nitroaniline	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Nitroaniline	ND	20		µg/L	1	11/10/2010 1:29:02 PM
Nitrobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2-Nitrophenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
4-Nitrophenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Pentachlorophenol	ND	20		µg/L	1	11/10/2010 1:29:02 PM
Phenanthrene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Phenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Pyrene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Pyridine	ND	10		µg/L	1	11/10/2010 1:29:02 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/10/2010 1:29:02 PM
Surr: 2,4,6-Tribromophenol	74.1	17.5-104		%REC	1	11/10/2010 1:29:02 PM
Surr: 2-Fluorobiphenyl	69.8	30.9-98.9		%REC	1	11/10/2010 1:29:02 PM
Surr: 2-Fluorophenol	56.9	12.4-90.1		%REC	1	11/10/2010 1:29:02 PM
Surr: 4-Terphenyl-d14	74.1	43.5-91.9		%REC	1	11/10/2010 1:29:02 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	1011139	**Collection Date:**	11/2/2010 3:05:00 PM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Surr: Nitrobenzene-d5	85.3	26.2-108		%REC	1	11/10/2010 1:29:02 PM
Surr: Phenol-d5	42.6	11.8-73.1		%REC	1	11/10/2010 1:29:02 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/4/2010 6:56:48 PM
Toluene	ND	1.0		µg/L	1	11/4/2010 6:56:48 PM
Ethylbenzene	ND	1.0		µg/L	1	11/4/2010 6:56:48 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/4/2010 6:56:48 PM
Xylenes, Total	ND	3.0		µg/L	1	11/4/2010 6:56:48 PM
Surr: 1,2-Dichloroethane-d4	96.2	77.7-113		%REC	1	11/4/2010 6:56:48 PM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/4/2010 6:56:48 PM
Surr: Dibromofluoromethane	98.8	91.6-125		%REC	1	11/4/2010 6:56:48 PM
Surr: Toluene-d8	97.6	92.3-107		%REC	1	11/4/2010 6:56:48 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011139	**Collection Date:**	11/2/2010 9:00:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	*ND*	*0.050*		*mg/L*	1	11/4/2010 6:26:09 PM
Surr: BFB	101	84.5-118		%REC	1	11/4/2010 6:26:09 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Toluene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Ethylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Naphthalene	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/4/2010 7:51:52 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/4/2010 7:51:52 PM
Acetone	ND	10		µg/L	1	11/4/2010 7:51:52 PM
romobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Bromoform	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Bromomethane	ND	3.0		µg/L	1	11/4/2010 7:51:52 PM
2-Butanone	ND	10		µg/L	1	11/4/2010 7:51:52 PM
Carbon disulfide	ND	10		µg/L	1	11/4/2010 7:51:52 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Chlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Chloroethane	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
Chloroform	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Chloromethane	ND	3.0		µg/L	1	11/4/2010 7:51:52 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Dibromomethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM

alifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	*Practical Quantitation Limit*
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011139	**Collection Date:**	11/2/2010 9:00:00 AM
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
2-Hexanone	ND	10		µg/L	1	11/4/2010 7:51:52 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/4/2010 7:51:52 PM
Methylene Chloride	ND	3.0		µg/L	1	11/4/2010 7:51:52 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Styrene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/4/2010 7:51:52 PM
Vinyl chloride	ND	1.0		µg/L	1	11/4/2010 7:51:52 PM
Xylenes, Total	ND	1.5		µg/L	1	11/4/2010 7:51:52 PM
Surr: 1,2-Dichloroethane-d4	96.0	77.7-113		%REC	1	11/4/2010 7:51:52 PM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/4/2010 7:51:52 PM
Surr: Dibromofluoromethane	99.8	91.6-125		%REC	1	11/4/2010 7:51:52 PM
Surr: Toluene-d8	98.0	92.3-107		%REC	1	11/4/2010 7:51:52 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

ll Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip blank
Lab Order:	1011139	**Collection Date:**	
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/4/2010 6:55:10 PM
Surr: BFB	101	84.5-118		%REC	1	11/4/2010 6:55:10 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Toluene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Ethylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Naphthalene	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/4/2010 8:19:19 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/4/2010 8:19:19 PM
Acetone	ND	10		µg/L	1	11/4/2010 8:19:19 PM
Bromobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Bromoform	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Bromomethane	ND	3.0		µg/L	1	11/4/2010 8:19:19 PM
2-Butanone	ND	10		µg/L	1	11/4/2010 8:19:19 PM
Carbon disulfide	ND	10		µg/L	1	11/4/2010 8:19:19 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Chlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Chloroethane	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
Chloroform	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Chloromethane	ND	3.0		µg/L	1	11/4/2010 8:19:19 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Dibromomethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip blank
Lab Order:	1011139	**Collection Date:**	
Project:	2010 4th Qtr	**Date Received:**	11/3/2010
Lab ID:	1011139-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3-Dichloropropane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
2-Hexanone	ND	10		µg/L	1	11/4/2010 8:19:19 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/4/2010 8:19:19 PM
Methylene Chloride	ND	3.0		µg/L	1	11/4/2010 8:19:19 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Styrene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/4/2010 8:19:19 PM
Vinyl chloride	ND	1.0		µg/L	1	11/4/2010 8:19:19 PM
Xylenes, Total	ND	1.5		µg/L	1	11/4/2010 8:19:19 PM
Surr: 1,2-Dichloroethane-d4	95.8	77.7-113		%REC	1	11/4/2010 8:19:19 PM
Surr: 4-Bromofluorobenzene	96.1	76.4-106		%REC	1	11/4/2010 8:19:19 PM
Surr: Dibromofluoromethane	96.8	91.6-125		%REC	1	11/4/2010 8:19:19 PM
Surr: Toluene-d8	100	92.3-107		%REC	1	11/4/2010 8:19:19 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011139
Lab ID: B10110534-001
Client Sample ID 1011139-01C-1E, GWM-1

Report Date: 11/10/10
Collection Date: 11/02/10 09:10
DateReceived: 11/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.007	mg/L		0.001		SW6020	11/08/10 18:53 / jjw
METALS, TOTAL							
Uranium	0.009	mg/L		0.001		SW6020	11/09/10 05:58 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011139
Lab ID: B10110534-002
Client Sample ID 1011139-02C-02E, NAPIS-2

Report Date: 11/10/10
Collection Date: 11/02/10 10:15
DateReceived: 11/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/08/10 19:29 / jjw
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/09/10 06:02 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011139
Lab ID: B10110534-003
Client Sample ID 1011139-03C-03E, KA-3

Report Date: 11/10/10
Collection Date: 11/02/10 11:09
DateReceived: 11/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.002	mg/L		0.001		SW6020	11/08/10 19:33 / jjw
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	11/09/10 06:06 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011139
Lab ID: B10110534-004
Client Sample ID 1011139-04C-04E, NAPIS-3

Report Date: 11/10/10
Collection Date: 11/02/10 12:04
DateReceived: 11/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.035	mg/L		0.001		SW6020	11/08/10 19:42 / jjw
METALS, TOTAL							
Uranium	0.032	mg/L		0.001		SW6020	11/09/10 06:10 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011139
Lab ID: B10110534-005
Client Sample ID 1011139-05C-05E, NAPIS-1

Report Date: 11/10/10
Collection Date: 11/02/10 15:05
DateReceived: 11/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.034	mg/L		0.001		SW6020	11/08/10 19:46 / jjw
METALS, TOTAL							
Uranium	0.045	mg/L		0.001		SW6020	11/09/10 06:14 / jjw

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011139

Report Date: 11/10/10
Work Order: B10110534

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_101108A	
Sample ID: ICSA-ME091229B		Interference Check Sample A							11/08/10 13:20	
Uranium		9.00E-06	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB							11/08/10 13:24	
Uranium		5.00E-06	mg/L	0.00030		0	0			
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard							11/08/10 14:05	
Uranium		0.0217	mg/L	0.00030	109	90	110			
Method: SW6020										Batch: 50323
Sample ID: MB-50323		Method Blank				Run: ICPMS202-B_101108A			11/09/10 05:09	
Uranium		ND	mg/L	2E-05						
Sample ID: B10110503-001ADIL		Serial Dilution				Run: ICPMS202-B_101108A			11/09/10 05:17	
Uranium		ND	mg/L	0.0010		0	0		10	
Sample ID: LCS-50323		Laboratory Control Sample				Run: ICPMS202-B_101108A			11/09/10 05:21	
Uranium		0.495	mg/L	0.0010	99	85	115			
Sample ID: B10110503-001AMS3		Sample Matrix Spike				Run: ICPMS202-B_101108A			11/09/10 05:42	
Uranium		0.537	mg/L	0.0010	107	75	125			
Sample ID: B10110503-001AMSD3		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101108A			11/09/10 05:46	
Uranium		0.560	mg/L	0.0010	112	75	125	4.1	20	
Method: SW6020										Batch: R156853
Sample ID: B10110534-001BMS		Sample Matrix Spike				Run: ICPMS202-B_101108A			11/08/10 19:13	
Uranium		0.311	mg/L	0.0010	122	75	125			
Sample ID: B10110534-001BMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101108A			11/08/10 19:17	
Uranium		0.300	mg/L	0.0010	117	75	125	3.6	20	
Sample ID: B10110534-003BDIL		Serial Dilution				Run: ICPMS202-B_101108A			11/08/10 19:38	
Uranium		0.00242	mg/L	0.0010		0	0			
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_101108A			11/08/10 14:13	
Uranium		0.0554	mg/L	0.00030	111	85	115			
Sample ID: LRB		Method Blank				Run: ICPMS202-B_101108A			11/08/10 14:42	
Uranium		ND	mg/L	2E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41948**	Analysis Date:	11/3/2010 10:23:47 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41948**	Analysis Date:	11/4/2010 2:38:45 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41989**	Analysis Date:	11/5/2010 12:38:19 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R41989**	Analysis Date:	11/6/2010 4:18:30 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R41948**	Analysis Date:	11/3/2010 10:41:12 AM		
Fluoride	0.4754	mg/L	0.10	0.5	0	95.1	90	110			
Chloride	4.846	mg/L	0.50	5	0	96.9	90	110			
Nitrogen, Nitrite (As N)	0.9803	mg/L	0.10	1	0	98.0	90	110			
Nitrogen, Nitrate (As N)	2.430	mg/L	0.10	2.5	0	97.2	90	110			
Phosphorus, Orthophosphate (As P)	4.897	mg/L	0.50	5	0	97.9	90	110			
Sulfate	9.858	mg/L	0.50	10	0	98.6	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R41948**	Analysis Date:	11/4/2010 2:56:09 AM		
Fluoride	0.5329	mg/L	0.10	0.5	0	107	90	110			
Chloride	5.011	mg/L	0.50	5	0	100	90	110			
Nitrogen, Nitrite (As N)	1.042	mg/L	0.10	1	0	104	90	110			
Nitrogen, Nitrate (As N)	2.510	mg/L	0.10	2.5	0	100	90	110			
Phosphorus, Orthophosphate (As P)	5.226	mg/L	0.50	5	0	105	90	110			
Sulfate	10.13	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS-b		*LCS*				Batch ID:	**R41989**	Analysis Date:	11/6/2010 12:49:34 AM		
Fluoride	0.5224	mg/L	0.10	0.5	0	104	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS-b		*LCS*				Batch ID:	**R41989**	Analysis Date:		11/6/2010 12:49:34 AM	
Chloride	4.906	mg/L	0.50	5	0	98.1	90	110			
Nitrogen, Nitrite (As N)	1.028	mg/L	0.10	1	0	103	90	110			
Nitrogen, Nitrate (As N)	2.468	mg/L	0.10	2.5	0	98.7	90	110			
Phosphorus, Orthophosphate (As P)	5.028	mg/L	0.50	5	0	101	90	110			
Sulfate	9.937	mg/L	0.50	10	0	99.4	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R41989**	Analysis Date:		11/6/2010 4:35:55 AM	
Fluoride	0.4977	mg/L	0.10	0.5	0	99.5	90	110			
Chloride	4.902	mg/L	0.50	5	0	98.0	90	110			
Nitrogen, Nitrite (As N)	1.037	mg/L	0.10	1	0	104	90	110			
Nitrogen, Nitrate (As N)	2.468	mg/L	0.10	2.5	0	98.7	90	110			
Phosphorus, Orthophosphate (As P)	5.053	mg/L	0.50	5	0	101	90	110			
Sulfate	9.884	mg/L	0.50	10	0	98.8	90	110			
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-24384		*MBLK*				Batch ID:	**24384**	Analysis Date:		11/5/2010 8:59:17 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-24384		*LCS*				Batch ID:	**24384**	Analysis Date:		11/5/2010 9:33:35 AM	
Diesel Range Organics (DRO)	5.694	mg/L	1.0	5	0	114	74	157			
Sample ID: LCSD-24384		*LCSD*				Batch ID:	**24384**	Analysis Date:		11/5/2010 10:08:30 AM	
Diesel Range Organics (DRO)	5.501	mg/L	1.0	5	0	110	74	157	3.45	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R41968**	Analysis Date:		11/4/2010 8:31:39 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R41968**	Analysis Date:		11/4/2010 7:24:05 PM	
Gasoline Range Organics (GRO)	0.5586	mg/L	0.050	0.5	0	112	83.7	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R41968**	Analysis Date:		11/4/2010 7:53:03 PM	
Gasoline Range Organics (GRO)	0.5238	mg/L	0.050	0.5	0	105	83.7	124	6.43	12	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260: Volatiles Short List											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R41971**		Analysis Date:	11/4/2010 10:14:30 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs		*LCS*				Batch ID: **R41971**		Analysis Date:	11/4/2010 11:09:36 AM		
Benzene	18.87	µg/L	1.0	20	0	94.4	84.6	109			
Toluene	21.61	µg/L	1.0	20	0	108	81	114			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1011139-01a msd		*MSD*				Batch ID: **R41971**		Analysis Date:		11/4/2010 3:17:10 PM	
Benzene	24.81	µg/L	1.0	20	6.919	89.5	73.1	117	3.60	11.3	
Toluene	22.39	µg/L	1.0	20	2.309	100	82.9	109	8.68	11.6	
Chlorobenzene	20.01	µg/L	1.0	20	0	100	87.5	110	9.72	10.6	
1,1-Dichloroethene	19.60	µg/L	1.0	20	0	98.0	66.2	131	0.444	14.4	
Trichloroethene (TCE)	12.08	µg/L	1.0	20	0	60.4	67.1	110	3.08	11.2	S
Sample ID: 5ml rb		*MBLK*				Batch ID: **R41971**		Analysis Date:		11/4/2010 10:14:30 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID:	**R41971**	Analysis Date:	11/4/2010 10:14:30 AM		
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41971**	Analysis Date:	11/4/2010 11:09:36 AM		
Benzene	18.87	µg/L	1.0	20	0	94.4	84.6	109			
Toluene	21.61	µg/L	1.0	20	0	108	81	114			
Chlorobenzene	21.01	µg/L	1.0	20	0	105	85.2	113			
1,1-Dichloroethene	20.98	µg/L	1.0	20	0	105	79.6	124			
Trichloroethene (TCE)	16.83	µg/L	1.0	20	0	84.2	78.3	102			
Sample ID: 1011139-01a ms		*MS*				Batch ID:	**R41971**	Analysis Date:	11/4/2010 2:49:38 PM		
Benzene	23.93	µg/L	1.0	20	6.919	85.1	73.1	117			
Toluene	20.52	µg/L	1.0	20	2.309	91.1	82.9	109			
Chlorobenzene	18.15	µg/L	1.0	20	0	90.8	87.5	110			
1,1-Dichloroethene	19.51	µg/L	1.0	20	0	97.6	66.2	131			
Trichloroethene (TCE)	12.46	µg/L	1.0	20	0	62.3	67.1	110			S

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24419		*MBLK*					**Batch ID: 24419**		**Analysis Date: 11/10/2010 10:01:04 AM**		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	5.0								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	5.0								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	5.0								
2,4-Dinitrotoluene	ND	µg/L	5.0								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	5.0								

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24419		*MBLK*				Batch ID: **24419**		Analysis Date: 11/10/2010 10:01:04 AM			
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Ni[redacted]enol	ND	µg/L	10								
Pen[redacted]orophenol	ND	µg/L	5.0								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-24419		*LCS*				Batch ID: **24419**		Analysis Date: 11/10/2010 10:30:41 AM			
Acenaphthene	83.36	µg/L	10	100	0	83.4	31	99.4			
4-Chloro-3-methylphenol	96.38	µg/L	10	100	0	96.4	34.3	111			
2-Chlorophenol	89.28	µg/L	10	100	0	89.3	24.1	98.7			
1,4-Dichlorobenzene	60.14	µg/L	10	100	0	60.1	20.6	85.6			
2,4-Dinitrotoluene	93.84	µg/L	10	100	0	93.8	26.6	126			
N-Nitrosodi-n-propylamine	88.92	µg/L	10	100	0	88.9	29.2	94.4			
4-Nitrophenol	57.20	µg/L	10	100	0	57.2	9.87	86			
Pentachlorophenol	86.02	µg/L	20	100	0	86.0	20	97.8			
Phenol	57.60	µg/L	10	100	0	57.6	17.5	60.5			
Pyrene	97.58	µg/L	10	100	0	97.6	46.8	92.2			S
1,2,4-Trichlorobenzene	79.22	µg/L	10	100	0	79.2	25.2	92.3			
Sample ID: lcsd-24419		*LCSD*				Batch ID: **24419**		Analysis Date: 11/10/2010 11:00:22 AM			
Acenaphthene	84.14	µg/L	10	100	0	84.1	31	99.4	0.931	30	
4-Chloro-3-methylphenol	95.06	µg/L	10	100	0	95.1	34.3	111	1.38	30.8	
2-Chlorophenol	96.30	µg/L	10	100	0	96.3	24.1	98.7	7.57	31	
1,4-Dichlorobenzene	61.40	µg/L	10	100	0	61.4	20.6	85.6	2.07	37	
2,4-[redacted]otoluene	93.00	µg/L	10	100	0	93.0	26.6	126	0.899	34.5	

Qualifiers:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-24419		*LCSD*				Batch ID:	**24419**	Analysis Date:		11/10/2010 11:00:22 AM	
N-Nitrosodi-n-propylamine	92.20	µg/L	10	100	0	92.2	29.2	94.4	3.62	30.8	
4-Nitrophenol	52.66	µg/L	10	100	0	52.7	9.87	86	8.27	61.1	
Pentachlorophenol	81.32	µg/L	20	100	0	81.3	20	97.8	5.62	64.8	
Phenol	60.22	µg/L	10	100	0	60.2	17.5	60.5	4.45	31.4	
Pyrene	97.92	µg/L	10	100	0	97.9	46.8	92.2	0.348	29.8	S
1,2,4-Trichlorobenzene	76.08	µg/L	10	100	0	76.1	25.2	92.3	4.04	30.9	
Method: EPA Method 7470: Mercury											
Sample ID: MB-24457		*MBLK*				Batch ID:	**24457**	Analysis Date:		11/10/2010 12:27:25 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24457		*LCS*				Batch ID:	**24457**	Analysis Date:		11/10/2010 12:29:10 PM	
Mercury	0.005033	mg/L	0.00020	0.005	0	101	80	120			
Sample ID: LCS-24457		*LCS*				Batch ID:	**24457**	Analysis Date:		11/11/2010 9:25:21 AM	
Mercury	0.004998	mg/L	0.00020	0.005	0	100	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: 1011139-05DMSD		*MSD*				Batch ID: **R42135**		Analysis Date: 11/14/2010 12:56:59 PM			
Barium	0.6132	mg/L	0.020	0.5	0.1256	97.5	75	125	4.32	20	
Cadmium	0.5136	mg/L	0.0020	0.5	0	103	75	125	4.64	20	
Chromium	0.5058	mg/L	0.0060	0.5	0	101	75	125	4.53	20	
Copper	0.5380	mg/L	0.0060	0.5	0	108	75	125	4.77	20	
Lead	0.4927	mg/L	0.0050	0.5	0	98.5	75	125	3.96	20	
Manganese	0.5077	mg/L	0.0020	0.5	0.0157	98.4	75	125	4.50	20	
Silver	0.4791	mg/L	0.0050	0.5	0	95.8	75	125	4.15	20	
Sample ID: 1011139-05DMSD		*MSD*				Batch ID: **R42135**		Analysis Date: 11/14/2010 1:34:51 PM			
Arsenic	2.824	mg/L	0.10	2.5	0	113	75	125	1.89	20	
Calcium	342.5	mg/L	5.0	252.5	74.85	106	75	125	2.38	20	
Magnesium	282.6	mg/L	5.0	252.5	14.24	106	75	125	3.60	20	
Potassium	286.1	mg/L	5.0	275	1.394	104	75	125	2.58	20	
Selenium	2.832	mg/L	0.25	2.5	0	113	75	125	0.895	20	
Sample ID: MB		*MBLK*				Batch ID: **R42135**		Analysis Date: 11/14/2010 10:56:35 AM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Sample ID: MB		*MBLK*				Batch ID: **R42210**		Analysis Date: 11/17/2010 5:58:09 PM			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R42135**	Analysis Date:	11/14/2010 10:59:35 AM		
Arsenic	0.5359	mg/L	0.020	0.5	0	107	80	120			
Barium	0.5015	mg/L	0.020	0.5	0	100	80	120			
Cadmium	0.5194	mg/L	0.0020	0.5	0	104	80	120			
Calcium	51.65	mg/L	1.0	50.5	0	102	80	120			
Chromium	0.5074	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5246	mg/L	0.0060	0.5	0	105	80	120			
Iron	0.5149	mg/L	0.020	0.5	0.0138	100	80	120			
Lead	0.5109	mg/L	0.0050	0.5	0	102	80	120			
Magnesium	51.70	mg/L	1.0	50.5	0	102	80	120			
Manganese	0.4963	mg/L	0.0020	0.5	0	99.3	80	120			
Potassium	53.32	mg/L	1.0	55	0	96.9	80	120			
Selenium	0.5184	mg/L	0.050	0.5	0	104	80	120			
Silver	0.5046	mg/L	0.0050	0.5	0	101	80	120			
Sodium	49.87	mg/L	1.0	50.5	0.0415	98.7	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R42210**	Analysis Date:	11/17/2010 6:01:15 PM		
Arsenic	0.5089	mg/L	0.020	0.5	0	102	80	120			
Barium	0.4912	mg/L	0.020	0.5	0	98.2	80	120			
Cadmium	0.5086	mg/L	0.0020	0.5	0	102	80	120			
Calcium	50.93	mg/L	1.0	50.5	0	101	80	120			
Chromium	0.5014	mg/L	0.0060	0.5	0	100	80	120			
Copper	0.5333	mg/L	0.0060	0.5	0	107	80	120			
Iron	0.4816	mg/L	0.020	0.5	0	96.3	80	120			
Lead	0.4936	mg/L	0.0050	0.5	0	98.7	80	120			
Magnesium	51.90	mg/L	1.0	50.5	0	103	80	120			
Manganese	0.4908	mg/L	0.0020	0.5	0	98.2	80	120			
Potassium	55.12	mg/L	1.0	55	0	100	80	120			
Selenium	0.5045	mg/L	0.050	0.5	0	101	80	120			
Silver	0.5163	mg/L	0.0050	0.5	0	103	80	120			
Sodium	51.21	mg/L	1.0	50.5	0	101	80	120			
Sample ID: 1011139-05DMS		*MS*				Batch ID:	**R42135**	Analysis Date:	11/14/2010 12:52:51 PM		
Barium	0.6402	mg/L	0.020	0.5	0.1256	103	75	125			
Cadmium	0.5380	mg/L	0.0020	0.5	0	108	75	125			
Chromium	0.5292	mg/L	0.0060	0.5	0	106	75	125			
Copper	0.5643	mg/L	0.0060	0.5	0	113	75	125			
Lead	0.5126	mg/L	0.0050	0.5	0	103	75	125			
Manganese	0.5310	mg/L	0.0020	0.5	0.0157	103	75	125			
Silver	0.4994	mg/L	0.0050	0.5	0	99.9	75	125			
Sample ID: 1011139-05DMS		*MS*				Batch ID:	**R42135**	Analysis Date:	11/14/2010 1:31:46 PM		
Arsenic	2.878	mg/L	0.10	2.5	0	115	75	125			
Calcium	334.5	mg/L	5.0	252.5	74.85	103	75	125			
Magnesium	272.6	mg/L	5.0	252.5	14.24	102	75	125			
Potassium	278.8	mg/L	5.0	275	1.394	101	75	125			
Selenium	2.807	mg/L	0.25	2.5	0	112	75	125			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 4th Qtr **Work Order:** 1011139

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-24431		*MBLK*				Batch ID:	**24431**	Analysis Date:	11/9/2010 11:16:06 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-24431		*LCS*				Batch ID:	**24431**	Analysis Date:	11/9/2010 11:19:20 AM		
Arsenic	0.5346	mg/L	0.020	0.5	0	107	80	120			
Barium	0.4941	mg/L	0.020	0.5	0	98.8	80	120			
Cadmium	0.5132	mg/L	0.0020	0.5	0	103	80	120			
Chromium	0.5051	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5361	mg/L	0.0060	0.5	0	107	80	120			
Iron	0.5126	mg/L	0.050	0.5	0	103	80	120			
Lead	0.5035	mg/L	0.0050	0.5	0	101	80	120			
Manganese	0.4922	mg/L	0.0020	0.5	0.0001	98.4	80	120			
Selenium	0.5117	mg/L	0.050	0.5	0	102	80	120			
Silver	0.5110	mg/L	0.0050	0.5	0	102	80	120			
Zinc	0.5053	mg/L	0.020	0.5	0	101	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 11/3/2010

Work Order Number 1011139 | Received by: AMF

Checklist completed by: _____ Signature | 11/3/10 Date | Sample ID labels checked by: _____ Initials

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**2.9°**	*<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
Rt 3 Box 7
Mailing Address: Gallup NM
Phone #: 505 722 3833
email or Fax#: 505 722-0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 4th QTR
Project #: NAPIS + GWM-1
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 2.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss	Major Cations, Anions 8021B + MTBE	Air Bubbles (Y or N)
11/2/10	0900	WTR	Field Blank			-6										X					
	0910	WTR	GWM-1			1011139-1			X							X		X	X	X	
	0105		NAPIS-2			-2			|								X	|	|	|	X	
	1109		KA-3			-3			|								|	|	|	|	|	
	1204		NAPIS-3			-4			|								|	|	|	|	|	
	1505	|	NAPIS-1			-5			|								|	|	|	|	|	
			TRIP Blank			-7										X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/2/10	1410		Grace Price	11/2/10	1410
11/3/10	9:25			11/3/10	9:25

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

BW to EP.2

COVER LETTER

Saturday, May 15, 2010

Cheryl Johnson
Western Refining Southwest, Gallup Refinery
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Semi-Annual-Ponds

Order No.: 1004481

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 14 sample(s) on 4/21/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	BW to EP2
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:11:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	0.64	0.10		mg/L	1	4/21/2010 11:08:44 PM
Chloride	68	10		mg/L	20	4/21/2010 11:26:09 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	4/21/2010 11:08:44 PM
Bromide	0.24	0.10		mg/L	1	4/21/2010 11:08:44 PM
Nitrogen, Nitrate (As N)	0.31	0.10		mg/L	1	4/21/2010 11:08:44 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	4/21/2010 11:08:44 PM
Sulfate	1400	25		mg/L	50	5/1/2010 1:13:29 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Calcium	2.5	1.0		mg/L	1	4/26/2010 10:40:00 AM
Magnesium	ND	1.0		mg/L	1	4/26/2010 10:40:00 AM
Potassium	15	1.0		mg/L	1	4/26/2010 10:40:00 AM
Sodium	970	20		mg/L	20	4/26/2010 12:52:06 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

EP-1 Inlet
BW to EP.2

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Friday, July 16, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Semi Annual

Order No.: 1006A26

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 6/29/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

For Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EPI-IN
Lab Order:	1006A26	**Collection Date:**	6/28/2010 2:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	140	30		mg/L	10	7/1/2010 6:55:54 PM
Motor Oil Range Organics (MRO)	ND	150		mg/L	10	7/1/2010 6:55:54 PM
Surr: DNOP	132	86.9-151		%REC	10	7/1/2010 6:55:54 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	2.8	0.50		mg/L	10	7/6/2010 11:45:20 AM
Surr: BFB	144	65.7-118	S	%REC	10	7/6/2010 11:45:20 AM
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	140	5.0		mg/L	50	6/30/2010 1:08:09 PM
Chloride	220	25		mg/L	50	6/30/2010 1:08:09 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	6/30/2010 12:50:45 PM
Bromide	1.9	1.0		mg/L	10	6/30/2010 12:50:45 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	6/30/2010 12:50:45 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/30/2010 12:50:45 PM
Sulfate	2000	25		mg/L	50	6/30/2010 1:08:09 PM
EPA 200.8: DISSOLVED METALS						Analyst: **TES**
Arsenic	0.012	0.0050		mg/L	5	7/15/2010 12:39:28 PM
Selenium	0.029	0.0050		mg/L	5	7/15/2010 12:39:28 PM
Uranium	ND	0.0050		mg/L	5	7/15/2010 5:04:17 PM
EPA 200.8: METALS						Analyst: **TES**
Arsenic	0.021	0.0050		mg/L	5	7/8/2010 5:30:00 PM
Selenium	0.039	0.0050		mg/L	5	7/8/2010 5:30:00 PM
Uranium	0.0053	0.0050		mg/L	5	7/8/2010 5:30:00 PM
EPA METHOD 7470: MERCURY						Analyst: **RAGS**
Mercury	ND	0.00080		mg/L	1	7/6/2010 5:18:25 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Barium	0.039	0.020		mg/L	1	7/1/2010 12:20:00 PM
Cadmium	ND	0.0020		mg/L	1	7/1/2010 12:20:00 PM
Chromium	0.015	0.0060		mg/L	1	7/1/2010 12:20:00 PM
Copper	ND	0.0060		mg/L	1	7/1/2010 12:20:00 PM
Iron	12	0.40		mg/L	20	7/1/2010 1:12:14 PM
Lead	ND	0.0050		mg/L	1	7/1/2010 12:20:00 PM
Manganese	0.27	0.0020		mg/L	1	7/1/2010 12:20:00 PM
Silver	ND	0.0050		mg/L	1	7/1/2010 12:20:00 PM
Zinc	0.071	0.050		mg/L	1	7/1/2010 12:20:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EPI-IN
Lab Order:	1006A26	**Collection Date:**	6/28/2010 2:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Barium	0.34	0.020		mg/L	1	7/1/2010 10:04:06 AM
Cadmium	ND	0.0020		mg/L	1	7/1/2010 10:04:06 AM
Calcium	61	1.0		mg/L	1	7/1/2010 10:04:06 AM
Chromium	0.026	0.0060		mg/L	1	7/1/2010 10:04:06 AM
Copper	0.058	0.0060		mg/L	1	7/1/2010 10:04:06 AM
Iron	25	2.5		mg/L	50	7/1/2010 10:35:59 AM
Lead	0.010	0.0050		mg/L	1	7/1/2010 10:04:06 AM
Magnesium	14	1.0		mg/L	1	7/1/2010 10:04:06 AM
Manganese	0.31	0.0020		mg/L	1	7/1/2010 10:04:06 AM
Potassium	38	1.0		mg/L	1	7/1/2010 10:04:06 AM
Silver	ND	0.0050		mg/L	1	7/1/2010 10:04:06 AM
Sodium	1000	50		mg/L	50	7/1/2010 10:35:59 AM
Zinc	0.55	0.020		mg/L	1	7/1/2010 10:04:06 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Acenaphthylene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Aniline	60	50		µg/L	1	7/6/2010 2:59:44 PM
Anthracene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Azobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benz(a)anthracene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benzo(a)pyrene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Benzoic acid	ND	100		µg/L	1	7/6/2010 2:59:44 PM
Benzyl alcohol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Butyl benzyl phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Carbazole	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Chloroaniline	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2-Chloronaphthalene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2-Chlorophenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Chrysene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Di-n-butyl phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: EPI-IN
Lab Order: 1006A26
Collection Date: 6/28/2010 2:00:00 PM
Project: 2010 Semi Annual
Date Received: 6/29/2010
Lab ID: 1006A26-01
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Di-n-octyl phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Dibenzofuran	ND	50		µg/L	1	7/6/2010 2:59:44 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Diethyl phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Dimethyl phthalate	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2,4-Dichlorophenol	ND	100		µg/L	1	7/6/2010 2:59:44 PM
2,4-Dimethylphenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	7/6/2010 2:59:44 PM
2,4-Dinitrophenol	ND	100		µg/L	1	7/6/2010 2:59:44 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Fluoranthene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Fluorene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Hexachlorobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Hexachlorobutadiene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Hexachloroethane	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Isophorone	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2-Methylnaphthalene	97	50		µg/L	1	7/6/2010 2:59:44 PM
2-Methylphenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
3+4-Methylphenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	7/6/2010 2:59:44 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	7/6/2010 2:59:44 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Naphthalene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2-Nitroaniline	ND	50		µg/L	1	7/6/2010 2:59:44 PM
3-Nitroaniline	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Nitroaniline	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Nitrobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2-Nitrophenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
4-Nitrophenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Pentachlorophenol	ND	100		µg/L	1	7/6/2010 2:59:44 PM
Phenanthrene	100	50		µg/L	1	7/6/2010 2:59:44 PM
Phenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Pyrene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Pyridine	ND	50		µg/L	1	7/6/2010 2:59:44 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EPI-IN
Lab Order:	1006A26	**Collection Date:**	6/28/2010 2:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
1,2,4-Trichlorobenzene	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	7/6/2010 2:59:44 PM
Surr: 2,4,6-Tribromophenol	73.4	16.6-150		%REC	1	7/6/2010 2:59:44 PM
Surr: 2-Fluorobiphenyl	54.7	19.6-134		%REC	1	7/6/2010 2:59:44 PM
Surr: 2-Fluorophenol	37.9	9.54-113		%REC	1	7/6/2010 2:59:44 PM
Surr: 4-Terphenyl-d14	41.6	22.7-145		%REC	1	7/6/2010 2:59:44 PM
Surr: Nitrobenzene-d5	50.0	14.6-134		%REC	1	7/6/2010 2:59:44 PM
Surr: Phenol-d5	31.4	10.7-80.3		%REC	1	7/6/2010 2:59:44 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Toluene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Ethylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2,4-Trimethylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,3,5-Trimethylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Naphthalene	ND	40		µg/L	20	7/8/2010 3:37:32 PM
1-Methylnaphthalene	ND	80		µg/L	20	7/8/2010 3:37:32 PM
2-Methylnaphthalene	ND	80		µg/L	20	7/8/2010 3:37:32 PM
Acetone	550	200		µg/L	20	7/8/2010 3:37:32 PM
Bromobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Bromodichloromethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Bromoform	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Bromomethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
2-Butanone	ND	200		µg/L	20	7/8/2010 3:37:32 PM
Carbon disulfide	ND	200		µg/L	20	7/8/2010 3:37:32 PM
Carbon Tetrachloride	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Chlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Chloroethane	ND	40		µg/L	20	7/8/2010 3:37:32 PM
Chloroform	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Chloromethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
2-Chlorotoluene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
4-Chlorotoluene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
cis-1,2-DCE	ND	20		µg/L	20	7/8/2010 3:37:32 PM
cis-1,3-Dichloropropene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	7/8/2010 3:37:32 PM
Dibromochloromethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Dibromomethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EPI-IN
Lab Order:	1006A26	**Collection Date:**	6/28/2010 2:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,2-Dichlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,3-Dichlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,4-Dichlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Dichlorodifluoromethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1-Dichloroethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1-Dichloroethene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2-Dichloropropane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,3-Dichloropropane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
2,2-Dichloropropane	ND	40		µg/L	20	7/8/2010 3:37:32 PM
1,1-Dichloropropene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Hexachlorobutadiene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
2-Hexanone	ND	200		µg/L	20	7/8/2010 3:37:32 PM
Isopropylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
4-Isopropyltoluene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
4-Methyl-2-pentanone	ND	200		µg/L	20	7/8/2010 3:37:32 PM
Methylene Chloride	ND	60		µg/L	20	7/8/2010 3:37:32 PM
n-Butylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
n-Propylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
sec-Butylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Styrene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
tert-Butylbenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	7/8/2010 3:37:32 PM
Tetrachloroethene (PCE)	ND	20		µg/L	20	7/8/2010 3:37:32 PM
trans-1,2-DCE	ND	20		µg/L	20	7/8/2010 3:37:32 PM
trans-1,3-Dichloropropene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2,3-Trichlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2,4-Trichlorobenzene	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1,1-Trichloroethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,1,2-Trichloroethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Trichloroethene (TCE)	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Trichlorofluoromethane	ND	20		µg/L	20	7/8/2010 3:37:32 PM
1,2,3-Trichloropropane	ND	40		µg/L	20	7/8/2010 3:37:32 PM
Vinyl chloride	ND	20		µg/L	20	7/8/2010 3:37:32 PM
Xylenes, Total	ND	30		µg/L	20	7/8/2010 3:37:32 PM
Surr: 1,2-Dichloroethane-d4	85.2	54.6-141		%REC	20	7/8/2010 3:37:32 PM
Surr: 4-Bromofluorobenzene	107	60.1-133		%REC	20	7/8/2010 3:37:32 PM
Surr: Dibromofluoromethane	99.9	78.5-130		%REC	20	7/8/2010 3:37:32 PM
Surr: Toluene-d8	111	79.5-126		%REC	20	7/8/2010 3:37:32 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **MMS**

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EPI-IN
Lab Order:	1006A26	**Collection Date:**	6/28/2010 2:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **MMS**
Specific Conductance	5200	0.010		µmhos/cm	1	7/1/2010 5:25:00 PM
SM4500-H+B: PH						Analyst: **MMS**
pH	7.42	0.1		pH units	1	7/1/2010 5:25:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Jul-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW to EP2
Lab Order:	1006A26	**Collection Date:**	6/28/2010 2:35:00 PM
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	0.27	0.10		mg/L	1	6/30/2010 1:25:34 PM
Chloride	71	10		mg/L	20	6/30/2010 1:42:59 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	6/30/2010 1:25:34 PM
Bromide	ND	0.10		mg/L	1	6/30/2010 1:25:34 PM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	6/30/2010 1:25:34 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	6/30/2010 1:25:34 PM
Sulfate	500	10		mg/L	20	6/30/2010 1:42:59 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Calcium	1.7	1.0		mg/L	1	7/1/2010 10:09:43 AM
Magnesium	ND	1.0		mg/L	1	7/1/2010 10:09:43 AM
Potassium	2.1	1.0		mg/L	1	7/1/2010 10:09:43 AM
Sodium	380	5.0		mg/L	5	7/1/2010 10:24:00 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **MMS**
Specific Conductance	1600	0.010		µmhos/cm	1	7/1/2010 5:51:00 PM
SM4500-H+B: PH						Analyst: **MMS**
pH	7.89	0.1		pH units	1	7/1/2010 5:51:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: 16-Jul-10

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: TRIP BLANK
Lab Order: 1006A26
Collection Date:
Project: 2010 Semi Annual
Date Received: 6/29/2010
Lab ID: 1006A26-03
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Toluene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Ethylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Naphthalene	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/7/2010 12:35:17 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/7/2010 12:35:17 AM
Acetone	ND	10		µg/L	1	7/7/2010 12:35:17 AM
Bromobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Bromoform	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Bromomethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
2-Butanone	ND	10		µg/L	1	7/7/2010 12:35:17 AM
Carbon disulfide	ND	10		µg/L	1	7/7/2010 12:35:17 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Chlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Chloroethane	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
Chloroform	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Chloromethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Dibromomethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1006A26	**Collection Date:**	
Project:	2010 Semi Annual	**Date Received:**	6/29/2010
Lab ID:	1006A26-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
2-Hexanone	ND	10		µg/L	1	7/7/2010 12:35:17 AM
Isopropylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/7/2010 12:35:17 AM
Methylene Chloride	ND	3.0		µg/L	1	7/7/2010 12:35:17 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Styrene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/7/2010 12:35:17 AM
Vinyl chloride	ND	1.0		µg/L	1	7/7/2010 12:35:17 AM
Xylenes, Total	ND	1.5		µg/L	1	7/7/2010 12:35:17 AM
Surr: 1,2-Dichloroethane-d4	107	73.1-133		%REC	1	7/7/2010 12:35:17 AM
Surr: 4-Bromofluorobenzene	112	82.9-140		%REC	1	7/7/2010 12:35:17 AM
Surr: Dibromofluoromethane	119	79.2-119	S	%REC	1	7/7/2010 12:35:17 AM
Surr: Toluene-d8	110	84.4-118		%REC	1	7/7/2010 12:35:17 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 200.8: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R39843**	Analysis Date:	7/15/2010 12:27:56 PM		
Arsenic	ND	mg/L	0.0010								
Selenium	ND	mg/L	0.0010								
Sample ID: MB		*MBLK*				Batch ID:	**R39843**	Analysis Date:	7/15/2010 4:52:46 PM		
Uranium	ND	mg/L	0.0010								
Sample ID: LCS		*LCS*				Batch ID:	**R39843**	Analysis Date:	7/15/2010 12:33:42 PM		
Arsenic	0.02433	mg/L	0.0010	0.025	0	97.3	80	120			
Selenium	0.02515	mg/L	0.0010	0.025	0	101	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R39843**	Analysis Date:	7/15/2010 4:58:31 PM		
Uranium	0.02315	mg/L	0.0010	0.025	0	92.6	80	120			
Method: EPA 200.8: Metals											
Sample ID: MB-22942		*MBLK*				Batch ID:	**22942**	Analysis Date:	7/8/2010 5:18:27 PM		
Arsenic	ND	mg/L	0.0025								
Selenium	ND	mg/L	0.0025								
Uranium	ND	mg/L	0.0025								
Sample ID: LLLCS-22942		*LCS*				Batch ID:	**22942**	Analysis Date:	7/8/2010 5:24:14 PM		
Arsenic	0.05401	mg/L	0.0025	0.05	0	108	80	120			
Selenium	0.05213	mg/L	0.0025	0.05	0.0008	103	80	120			
Uranium	0.04957	mg/L	0.0025	0.05	0	99.1	80	120			
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R39576**	Analysis Date:	6/29/2010 3:05:06 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS-b		*LCS*				Batch ID:	**R39576**	Analysis Date:	6/29/2010 4:32:09 PM		
Fluoride	0.5480	mg/L	0.10	0.5	0	110	90	110			
Chloride	4.832	mg/L	0.50	5	0.1702	93.2	90	110			
Nitrogen, Nitrite (As N)	1.075	mg/L	0.10	1	0	108	90	110			
Bromide	2.471	mg/L	0.10	2.5	0	98.8	90	110			
Nitrogen, Nitrate (As N)	2.359	mg/L	0.10	2.5	0	94.4	90	110			
Phosphorus, Orthophosphate (As P)	4.974	mg/L	0.50	5	0	99.5	90	110			
Sulfate	9.900	mg/L	0.50	10	0	99.0	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-22878		*MBLK*				Batch ID:	**22878**	Analysis Date:		7/1/2010 2:23:19 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-22878		*LCS*				Batch ID:	**22878**	Analysis Date:		7/1/2010 2:57:30 PM	
Diesel Range Organics (DRO)	5.857	mg/L	1.0	5	0	117	74	157			
Sample ID: LCSD-22878		*LCSD*				Batch ID:	**22878**	Analysis Date:		7/1/2010 3:31:30 PM	
Diesel Range Organics (DRO)	6.119	mg/L	1.0	5	0	122	74	157	4.38	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R39641**	Analysis Date:		7/4/2010 2:10:05 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R39641**	Analysis Date:		7/5/2010 12:05:37 AM	
Gasoline Range Organics (GRO)	0.5168	mg/L	0.050	0.5	0	103	77.8	124			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R39641**	Analysis Date:		7/5/2010 12:34:37 AM	
Gasoline Range Organics (GRO)	0.5086	mg/L	0.050	0.5	0	102	77.8	124	1.60	10.3	

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R39674**		**Analysis Date:**		**7/6/2010 9:10:29 AM**	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
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:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39674**		Analysis Date:	7/6/2010 9:10:29 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 5ml rb		*MBLK*				Batch ID: **R39726**		Analysis Date:	7/8/2010 9:30:51 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** *1006A26*

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					Batch ID: **R39726**		Analysis Date:	7/8/2010 9:30:51 AM	
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*					Batch ID: **R39674**		Analysis Date:	7/6/2010 10:06:40 AM	

Qualifiers:

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J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R39674**	Analysis Date:		7/6/2010 10:06:40 AM	
Benzene	22.37	µg/L	1.0	20	0	112	78.2	118			
Toluene	21.64	µg/L	1.0	20	0	108	90.2	127			
Chlorobenzene	23.14	µg/L	1.0	20	0	116	90.6	122			
1,1-Dichloroethene	24.85	µg/L	1.0	20	0	124	75.3	143			
Trichloroethene (TCE)	19.01	µg/L	1.0	20	0	95.0	69.4	113			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R39726**	Analysis Date:		7/8/2010 5:02:21 PM	
Benzene	17.55	µg/L	1.0	20	0	87.7	82.4	116			
Toluene	19.19	µg/L	1.0	20	0	96.0	89.5	123			
Chlorobenzene	20.34	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	20.68	µg/L	1.0	20	0	103	90.3	138			
Trichloroethene (TCE)	16.75	µg/L	1.0	20	0	83.8	64	129			
Sample ID: lcsd		*LCSD*				Batch ID:	**R39674**	Analysis Date:		7/6/2010 8:21:53 PM	
Benzene	20.88	µg/L	1.0	20	0	104	78.2	118	6.90	11	
Toluene	22.43	µg/L	1.0	20	0	112	90.2	127	3.56	12.2	
Chlorobenzene	22.18	µg/L	1.0	20	0	111	90.6	122	4.26	12	
1,1-Dichloroethene	21.77	µg/L	1.0	20	0	109	75.3	143	13.2	19.3	
Trichloroethene (TCE)	19.53	µg/L	1.0	20	0	97.6	69.4	113	2.71	15.5	

Qualifiers:

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-22868		*MBLK*				Batch ID:	**22868**	Analysis Date:	7/6/2010 10:56:32 AM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
C[redacted]ole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

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QA/QC SUMMARY REPORT

ient: Western Refining Southwest, Gallup
oject: 2010 Semi Annual **Work Order:** 1006A26

nalyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ethod: EPA Method 8270C: Semivolatiles											
mple ID: mb-22868		*MBLK*				Batch ID:	**22868**	Analysis Date:	7/6/2010 10:56:32 AM		
xachlorobutadiene	ND	µg/L	10								
xachlorocyclopentadiene	ND	µg/L	10								
xachloroethane	ND	µg/L	10								
eno(1,2,3-cd)pyrene	ND	µg/L	10								
phorone	ND	µg/L	10								
Methylnaphthalene	ND	µg/L	10								
Methylphenol	ND	µg/L	10								
-4-Methylphenol	ND	µg/L	10								
-Nitrosodi-n-propylamine	ND	µg/L	10								
-Nitrosodimethylamine	ND	µg/L	10								
-Nitrosodiphenylamine	ND	µg/L	10								
aphthalene	ND	µg/L	10								
Nitroaniline	ND	µg/L	10								
Nitroaniline	ND	µg/L	10								
Nitroaniline	ND	µg/L	10								
itrobenzene	ND	µg/L	10								
Nitrophenol	ND	µg/L	10								
N[illegible]henol	ND	µg/L	10								
e[illegible]orophenol	ND	µg/L	20								
henanthrene	ND	µg/L	10								
henol	ND	µg/L	10								
yrene	ND	µg/L	10								
yridine	ND	µg/L	10								
,2,4-Trichlorobenzene	ND	µg/L	10								
,4,5-Trichlorophenol	ND	µg/L	10								
,4,6-Trichlorophenol	ND	µg/L	10								
ample ID: lcs-22868		*LCS*				Batch ID:	**22868**	Analysis Date:	7/6/2010 11:26:39 AM		
cenaphthene	79.94	µg/L	10	100	0	79.9	29.3	113			
-Chloro-3-methylphenol	154.1	µg/L	10	200	0	77.0	23.3	123			
-Chlorophenol	134.7	µg/L	10	200	0	67.4	23.9	112			
,4-Dichlorobenzene	63.64	µg/L	10	100	0	63.6	16.5	106			
,4-Dinitrotoluene	78.20	µg/L	10	100	0	78.2	27.7	126			
-Nitrosodi-n-propylamine	67.20	µg/L	10	100	0	67.2	25.9	113			
-Nitrophenol	73.78	µg/L	10	200	0	36.9	13.2	76.7			
entachlorophenol	145.0	µg/L	20	200	0	72.5	22.4	121			
henol	73.56	µg/L	10	200	0	36.8	15.3	68.3			
yrene	70.06	µg/L	10	100	0	70.1	23.5	119			
,2,4-Trichlorobenzene	67.40	µg/L	10	100	0	67.4	23	107			
ample ID: lcsd-22868		*LCSD*				Batch ID:	**22868**	Analysis Date:	7/6/2010 11:56:56 AM		
cenaphthene	81.22	µg/L	10	100	0	81.2	29.3	113	1.59	30.5	
-Chloro-3-methylphenol	155.3	µg/L	10	200	0	77.7	23.3	123	0.815	28.6	
-Chlorophenol	137.4	µg/L	10	200	0	68.7	23.9	112	1.98	107	
,4-Dichlorobenzene	63.06	µg/L	10	100	0	63.1	16.5	106	0.916	62.1	
[illegible]itrotoluene	83.90	µg/L	10	100	0	83.9	27.7	126	7.03	14.7	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-22868		*LCSD*				Batch ID:	**22868**	Analysis Date:		7/6/2010 11:56:56 AM	
N-Nitrosodi-n-propylamine	68.83	µg/L	10	100	0	68.8	25.9	113	2.39	30.3	
4-Nitrophenol	90.52	µg/L	10	200	0	45.3	13.2	76.7	20.4	36.3	
Pentachlorophenol	178.4	µg/L	20	200	0	89.2	22.4	121	20.7	49	
Phenol	79.16	µg/L	10	200	0	39.6	15.3	68.3	7.33	52.4	
Pyrene	75.60	µg/L	10	100	0	75.6	23.5	119	7.61	16.3	
1,2,4-Trichlorobenzene	62.26	µg/L	10	100	0	62.3	23	107	7.93	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-22919		*MBLK*				Batch ID:	**22919**	Analysis Date:		7/6/2010 5:02:28 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-22919		*LCS*				Batch ID:	**22919**	Analysis Date:		7/6/2010 5:04:12 PM	
Mercury	0.004990	mg/L	0.00020	0.005	0	99.8	80	120			
Sample ID: LCS-22919		*LCS*				Batch ID:	**22919**	Analysis Date:		7/6/2010 5:05:56 PM	
Mercury	0.005090	mg/L	0.00020	0.005	0	102	80	120	1.99	0	
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R39587**	Analysis Date:		7/1/2010 11:58:24 AM	
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	**R39587**	Analysis Date:		7/1/2010 12:01:20 PM	
Barium	0.4880	mg/L	0.020	0.5	0	97.6	80	120			
Cadmium	0.4922	mg/L	0.0020	0.5	0	98.4	80	120			
Chromium	0.4979	mg/L	0.0060	0.5	0	99.6	80	120			
Copper	0.5079	mg/L	0.0060	0.5	0	102	80	120			
Iron	0.5138	mg/L	0.020	0.5	0	103	80	120			
Lead	0.4922	mg/L	0.0050	0.5	0	98.4	80	120			
Manganese	0.4826	mg/L	0.0020	0.5	0	96.5	80	120			
Silver	0.4922	mg/L	0.0050	0.5	0	98.4	80	120			
Zinc	0.5057	mg/L	0.050	0.5	0	101	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual Work Order: 1006A26

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-22859		*MBLK*				Batch ID: **22859**		Analysis Date:		7/1/2010 9:07:56 AM	
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-22859		*LCS*				Batch ID: **22859**		Analysis Date:		7/1/2010 9:10:53 AM	
Barium	0.4777	mg/L	0.020	0.5	0	95.5	80	120			
Cadmium	0.4731	mg/L	0.0020	0.5	0	94.6	80	120			
Calcium	53.16	mg/L	1.0	50	0	106	80	120			
Chromium	0.4920	mg/L	0.0060	0.5	0	98.4	80	120			
Iron	0.5217	mg/L	0.0060	0.5	0	104	80	120			
Iron	0.4958	mg/L	0.050	0.5	0	99.2	80	120			
Lead	0.4733	mg/L	0.0050	0.5	0	94.7	80	120			
Magnesium	52.62	mg/L	1.0	50	0	105	80	120			
Manganese	0.4765	mg/L	0.0020	0.5	0.0002	95.3	80	120			
Potassium	54.19	mg/L	1.0	50	0.0287	108	80	120			
Silver	0.4949	mg/L	0.0050	0.5	0.0006	98.9	80	120			
Sodium	56.16	mg/L	1.0	50	0.0421	112	80	120			
Zinc	0.4792	mg/L	0.020	0.5	0	95.8	80	120			
Sample ID: LCS-22859		*LCS*				Batch ID: **22859**		Analysis Date:		7/9/2010 6:25:00 PM	
Barium	0.4669	mg/L	0.020	0.5	0	93.4	80	120			
Cadmium	0.4750	mg/L	0.0020	0.5	0	95.0	80	120			
Chromium	0.4800	mg/L	0.0060	0.5	0	96.0	80	120			
Lead	0.4651	mg/L	0.0050	0.5	0	93.0	80	120			
Silver	0.4886	mg/L	0.0050	0.5	0	97.7	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **6/29/2010**

Work Order Number **1006A26** Received by: **TLS**

Checklist completed by: _____ Signature 6/29/10 Date Sample ID labels checked by: _____ Initials

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
[redacted] - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**3.3°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 1

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

[redacted]

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup, NM 87301
Phone #: 505-722-3833
email or Fax#: 505-722-0210
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush
Project Name: 2010 Semi Annual
Project #:
Project Manager: Cheryl Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1006236	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) 1 mtbe	8270 (Semi-VOA) 7 phenols	WQCC Metals - Total	WQCC Metals - Diss.	BenChem		Air Bubbles (Y or N)
6/28/10	1400	H_2O	EP1-IN	3-40ml	HCl	1			X													
				3-40ml	HCl	1										X						
				1L	None	1											X					
				2-500ml	HNO_3	1												X				
				2-125ml	HNO_3	1													X			
				1-125ml	H_2SO_4	1														X		
				1-250ml	None	1														X		
6/28/10	1435		BW to EP2	1-500ml	HNO_3	2														X		
				1-500ml	None	2														X		
				1-125ml	H_2SO_4	2														X		
			Trip Blank	1-40ml		3																

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/29/10	1325				
Date:	Time:	Relinquished by:	Received by:	Date	Time
				6/29/10	1325

Remarks: BenChem: Cations, Anions, pH, Spec Cond.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

BW to EP.2

COVER LETTER

Friday, December 10, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Semi-Annual

Order No.: 1011723

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/17/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW to EP2
Lab Order:	1011723	**Collection Date:**	11/16/2010 3:10:00 PM
Project:	2010 Semi-Annual	**Date Received:**	11/17/2010
Lab ID:	1011723-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	ND	2.0		mg/L	20	11/18/2010 2:14:12 AM
Chloride	53000	2500		mg/L	5000	12/1/2010 2:11:27 AM
Bromide	ND	5.0		mg/L	50	12/1/2010 1:36:39 AM
Nitrate (As N)+Nitrite (As N)	ND	200		mg/L	1000	12/2/2010 1:01:41 AM
Phosphorus, Orthophosphate (As P)	ND	25	H	mg/L	50	12/1/2010 1:36:39 AM
Sulfate	1200	25		mg/L	50	12/1/2010 1:36:39 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Calcium	1600	100		mg/L	100	11/30/2010 7:32:59 PM
Magnesium	250	100		mg/L	100	11/30/2010 7:32:59 PM
Potassium	130	100		mg/L	100	11/30/2010 7:32:59 PM
Sodium	26000	500		mg/L	500	12/3/2010 10:29:35 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011723
Project: 2010 Semi-Annual
Lab ID: 1011723-02

Client Sample ID: Field Blank
Collection Date:
Date Received: 11/17/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Toluene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Naphthalene	ND	2.0		µg/L	1	11/19/2010 10:44:20 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 10:44:20 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 10:44:20 PM
Acetone	ND	10		µg/L	1	11/19/2010 10:44:20 PM
Bromobenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Bromoform	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Bromomethane	ND	3.0		µg/L	1	11/19/2010 10:44:20 PM
2-Butanone	ND	10		µg/L	1	11/19/2010 10:44:20 PM
Carbon disulfide	ND	10		µg/L	1	11/19/2010 10:44:20 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Chloroethane	ND	2.0		µg/L	1	11/19/2010 10:44:20 PM
Chloroform	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Chloromethane	ND	3.0		µg/L	1	11/19/2010 10:44:20 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2010 10:44:20 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Dibromomethane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2010 10:44:20 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1011723	**Collection Date:**	
Project:	2010 Semi-Annual	**Date Received:**	11/17/2010
Lab ID:	1011723-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	11/19/2010 10:44:20 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2010 10:44:20 PM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2010 10:44:20 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Styrene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2010 10:44:20 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2010 10:44:20 PM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 10:44:20 PM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2010 10:44:20 PM
Surr: 1,2-Dichloroethane-d4	97.1	77.7-113		%REC	1	11/19/2010 10:44:20 PM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/19/2010 10:44:20 PM
Surr: Dibromofluoromethane	99.2	91.6-125		%REC	1	11/19/2010 10:44:20 PM
Surr: Toluene-d8	101	92.3-107		%REC	1	11/19/2010 10:44:20 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: Trip Blank
Lab Order: 1011723
Collection Date:
Project: 2010 Semi-Annual
Date Received: 11/17/2010
Lab ID: 1011723-03
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Toluene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Naphthalene	ND	2.0		µg/L	1	11/19/2010 11:11:56 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 11:11:56 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2010 11:11:56 PM
Acetone	ND	10		µg/L	1	11/19/2010 11:11:56 PM
Bromobenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Bromoform	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Bromomethane	ND	3.0		µg/L	1	11/19/2010 11:11:56 PM
2-Butanone	ND	10		µg/L	1	11/19/2010 11:11:56 PM
Carbon disulfide	ND	10		µg/L	1	11/19/2010 11:11:56 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Chloroethane	ND	2.0		µg/L	1	11/19/2010 11:11:56 PM
Chloroform	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Chloromethane	ND	3.0		µg/L	1	11/19/2010 11:11:56 PM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2010 11:11:56 PM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Dibromomethane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2010 11:11:56 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1011723	**Collection Date:**	
Project:	2010 Semi-Annual	**Date Received:**	11/17/2010
Lab ID:	1011723-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	11/19/2010 11:11:56 PM
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2010 11:11:56 PM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2010 11:11:56 PM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Styrene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2010 11:11:56 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2010 11:11:56 PM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2010 11:11:56 PM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2010 11:11:56 PM
Surr: 1,2-Dichloroethane-d4	98.6	77.7-113		%REC	1	11/19/2010 11:11:56 PM
Surr: 4-Bromofluorobenzene	109	76.4-106	S	%REC	1	11/19/2010 11:11:56 PM
Surr: Dibromofluoromethane	98.9	91.6-125		%REC	1	11/19/2010 11:11:56 PM
Surr: Toluene-d8	101	92.3-107		%REC	1	11/19/2010 11:11:56 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi-Annual **Work Order:** 1011723

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R42234**	Analysis Date:	11/17/2010 6:24:03 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42234**	Analysis Date:	11/18/2010 10:04:18 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42424**	Analysis Date:	11/30/2010 11:52:11 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42439**	Analysis Date:	12/1/2010 11:31:48 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R42234**	Analysis Date:	11/17/2010 6:41:28 PM		
Fluoride	0.4790	mg/L	0.10	0.5	0	95.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.207	mg/L	0.20	3.5	0	91.6	90	110			
Phosphorus, Orthophosphate (As P)	4.507	mg/L	0.50	5	0	90.1	90	110			
Sulfate	9.087	mg/L	0.50	10	0	90.9	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42234**	Analysis Date:	11/18/2010 10:21:43 AM		
Fluoride	0.5179	mg/L	0.10	0.5	0	104	90	110			
Chloride	4.760	mg/L	0.50	5	0	95.2	90	110			
Bromide	2.384	mg/L	0.10	2.5	0	95.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.414	mg/L	0.20	3.5	0	97.5	90	110			
Phosphorus, Orthophosphate (As P)	4.879	mg/L	0.50	5	0	97.6	90	110			
Sulfate	9.673	mg/L	0.50	10	0	96.7	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42424**	Analysis Date:	12/1/2010 12:09:35 AM		
Fluoride	0.5093	mg/L	0.10	0.5	0	102	90	110			
Chloride	5.064	mg/L	0.50	5	0	101	90	110			
Bromide	2.549	mg/L	0.10	2.5	0	102	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi-Annual **Work Order:** 1011723

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R42424**	Analysis Date:	12/1/2010 12:09:35 AM		
Nitrate (As N)+Nitrite (As N)	3.599	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	5.171	mg/L	0.50	5	0	103	90	110			
Sulfate	10.14	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42439**	Analysis Date:	12/1/2010 11:43:01 PM		
Fluoride	0.5160	mg/L	0.10	0.5	0	103	90	110			
Chloride	4.946	mg/L	0.50	5	0	98.9	90	110			
Bromide	2.420	mg/L	0.10	2.5	0	96.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.579	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.064	mg/L	0.50	5	0	101	90	110			
Sulfate	10.25	mg/L	0.50	10	0	102	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi-Annual **Work Order:** 1011723

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*						**Batch ID: R42258**		**Analysis Date: 11/19/2010 8:58:35 AM**	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi-Annual **Work Order:** 1011723

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*									
				Batch ID: R42258		Analysis Date: 11/19/2010 8:58:35 AM					
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b3		*MBLK*									
				Batch ID: R42258		Analysis Date: 11/19/2010 8:54:05 PM					
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi-Annual **Work Order:** 1011723

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*									
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexa[illegible]butadiene	ND	µg/L	1.0								
2-Hex[illegible]e	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: R42258 **Analysis Date:** 11/19/2010 8:54:05 PM

Batch ID: R42258 **Analysis Date:** 11/19/2010 10:17:43 AM

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi-Annual **Work Order:** 1011723

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42258**	Analysis Date:	11/19/2010 10:17:43 AM		
Benzene	18.48	µg/L	1.0	20	0	92.4	84.6	109			
Toluene	22.14	µg/L	1.0	20	0	111	81	114			
Chlorobenzene	22.14	µg/L	1.0	20	0	111	85.2	113			
1,1-Dichloroethene	20.66	µg/L	1.0	20	0	103	79.6	124			
Trichloroethene (TCE)	19.31	µg/L	1.0	20	0	96.6	78.3	102			
Sample ID: 100ng lcs2		*LCS*				Batch ID:	**R42258**	Analysis Date:	11/19/2010 9:49:14 PM		
Benzene	18.38	µg/L	1.0	20	0	91.9	84.6	109			
Toluene	20.30	µg/L	1.0	20	0	101	81	114			
Chlorobenzene	20.26	µg/L	1.0	20	0	101	85.2	113			
1,1-Dichloroethene	19.96	µg/L	1.0	20	0	99.8	79.6	124			
Trichloroethene (TCE)	16.50	µg/L	1.0	20	0	82.5	78.3	102			
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-24625		*MBLK*				Batch ID:	**24625**	Analysis Date:	11/24/2010 4:41:49 PM		
Calcium	ND	mg/L	1.0								
Magnesium	ND	mg/L	1.0								
Potassium	ND	mg/L	1.0								
Sample ID: MB-24625		*MBLK*				Batch ID:	**24625**	Analysis Date:	11/29/2010 11:50:10 AM		
Sodium	ND	mg/L	1.0								
Sample ID: LCS-24625		*LCS*				Batch ID:	**24625**	Analysis Date:	11/24/2010 4:44:52 PM		
Calcium	52.75	mg/L	1.0	50	0	105	80	120			
Magnesium	50.58	mg/L	1.0	50	0	101	80	120			
Potassium	52.77	mg/L	1.0	50	0.0797	105	80	120			
Sample ID: LCS-24625		*LCS*				Batch ID:	**24625**	Analysis Date:	11/29/2010 11:52:22 AM		
Sodium	50.79	mg/L	1.0	50	0	102	80	120			
Sample ID: LCS-24625		*LCS*				Batch ID:	**24625**	Analysis Date:	11/30/2010 9:05:44 AM		
Calcium	52.53	mg/L	1.0	50	0	105	80	120			
Magnesium	52.50	mg/L	1.0	50	0.0468	105	80	120			
Potassium	54.63	mg/L	1.0	50	0.0746	109	80	120			
Sodium	51.18	mg/L	1.0	50	0.086	102	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU — Date Received: 11/17/2010

Work Order Number 1011723 — Received by: AT

Checklist completed by: Signature — 11/17/10 Date — Sample ID labels checked by: Initials

Matrix: — Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ✔	No	Not Present	
Custody seals intact on shipping container/cooler?	Yes	No	Not Present	Not Shipped ✔
Custody seals intact on sample bottles?	Yes ✔	No	N/A	
Chain of custody present?	Yes ✔	No		
Chain of custody signed when relinquished and received?	Yes ✔	No		
Chain of custody agrees with sample labels?	Yes ✔	No		
Samples in proper container/bottle?	Yes ✔	No		
Sample containers intact?	Yes ✔	No		
Sufficient sample volume for indicated test?	Yes ✔	No		
All samples received within holding time?	Yes ✔	No		
Water VOA vials have zero headspace?	No VOA vials submitted	Yes ✔	No	
Water - Preservation labels on bottle and cap match?	Yes ✔	No	N/A	
Water - pH acceptable upon receipt?	Yes ✔	No	N/A	
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 2

(<2 >12 unless noted below.)

COMMENTS:

Client contacted — Date contacted: — Person contacted

Contacted by: — Regarding:

Comments:

Corrective Action

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2010 Semi-Annual

Project #: BW to EP2

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1011223
11/16/10	1510	H2O	BW to EP-2			-1
			Field Blank			-2
			Trip Blank			-3

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Major Cations, Anions				Air Bubbles (Y or N)
											X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/17/10	1220			11/17/10	1220
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.

BW-EP.2
EP-1 — 12B

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Saturday, May 15, 2010

Cheryl Johnson
Western Refining Southwest, Gallup Refinery
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Semi-Annual-Ponds

Order No.: 1004481

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 14 sample(s) on 4/21/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	BW to EP2
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:11:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	0.64	0.10		mg/L	1	4/21/2010 11:08:44 PM
Chloride	68	10		mg/L	20	4/21/2010 11:26:09 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	4/21/2010 11:08:44 PM
Bromide	0.24	0.10		mg/L	1	4/21/2010 11:08:44 PM
Nitrogen, Nitrate (As N)	0.31	0.10		mg/L	1	4/21/2010 11:08:44 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	4/21/2010 11:08:44 PM
Sulfate	1400	25		mg/L	50	5/1/2010 1:13:29 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Calcium	2.5	1.0		mg/L	1	4/26/2010 10:40:00 AM
Magnesium	ND	1.0		mg/L	1	4/26/2010 10:40:00 AM
Potassium	15	1.0		mg/L	1	4/26/2010 10:40:00 AM
Sodium	970	20		mg/L	20	4/26/2010 12:52:06 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

BW-EP.2
EP-1 — 12B

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

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Gallup, NM 87301

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FAX (505) 722-0210

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Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

GW-093-WS
AC1-1-93

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	BW to EP2
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:11:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	0.64	0.10		mg/L	1	4/21/2010 11:08:44 PM
Chloride	68	10		mg/L	20	4/21/2010 11:26:09 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	4/21/2010 11:08:44 PM
Bromide	0.24	0.10		mg/L	1	4/21/2010 11:08:44 PM
Nitrogen, Nitrate (As N)	0.31	0.10		mg/L	1	4/21/2010 11:08:44 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	4/21/2010 11:08:44 PM
Sulfate	1400	25		mg/L	50	5/1/2010 1:13:29 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Calcium	2.5	1.0		mg/L	1	4/26/2010 10:40:00 AM
Magnesium	ND	1.0		mg/L	1	4/26/2010 10:40:00 AM
Potassium	15	1.0		mg/L	1	4/26/2010 10:40:00 AM
Sodium	970	20		mg/L	20	4/26/2010 12:52:06 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-2
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:24:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	170	5.0		mg/L	50	5/1/2010 1:30:54 AM
Chloride	1100	50		mg/L	100	5/1/2010 1:48:18 AM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	4/22/2010 12:00:59 AM
Bromide	2.3	0.50		mg/L	5	4/21/2010 11:43:34 PM
Nitrogen, Nitrate (As N)	ND	0.50		mg/L	5	4/21/2010 11:43:34 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/21/2010 11:43:34 PM
Sulfate	1200	25		mg/L	50	5/1/2010 1:30:54 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	0.00077	0.00020		mg/L	1	4/22/2010 4:46:50 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	4/22/2010 11:22:26 AM
Barium	0.057	0.020		mg/L	1	4/22/2010 11:22:26 AM
Cadmium	ND	0.0020		mg/L	1	4/22/2010 11:22:26 AM
Calcium	130	5.0		mg/L	5	4/22/2010 12:57:56 PM
Chromium	0.013	0.0060		mg/L	1	4/22/2010 11:22:26 AM
Copper	ND	0.0060		mg/L	1	4/22/2010 11:22:26 AM
Iron	9.7	0.40		mg/L	20	4/23/2010 5:03:40 PM
Lead	ND	0.0050		mg/L	1	4/22/2010 11:22:26 AM
Magnesium	35	5.0		mg/L	5	4/22/2010 12:57:56 PM
Manganese	0.34	0.0020		mg/L	1	4/22/2010 11:22:26 AM
Potassium	100	5.0		mg/L	5	4/22/2010 12:57:56 PM
Selenium	ND	0.25		mg/L	5	4/22/2010 12:57:56 PM
Silver	ND	0.0050		mg/L	1	4/22/2010 11:22:26 AM
Sodium	1700	100		mg/L	100	4/22/2010 5:25:03 PM
Zinc	0.12	0.050		mg/L	1	4/22/2010 11:22:26 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	1	4/26/2010 10:49:30 AM
Barium	ND	0.10		mg/L	1	4/26/2010 10:49:30 AM
Cadmium	ND	0.010		mg/L	1	4/26/2010 10:49:30 AM
Calcium	91	5.0		mg/L	1	4/26/2010 10:49:30 AM
Chromium	ND	0.030		mg/L	1	4/26/2010 10:49:30 AM
Copper	ND	0.030		mg/L	1	4/26/2010 10:49:30 AM
Iron	17	1.3		mg/L	5	4/26/2010 10:53:32 AM
Lead	ND	0.025		mg/L	1	4/26/2010 10:49:30 AM
Magnesium	26	5.0		mg/L	1	4/26/2010 10:49:30 AM
Manganese	0.31	0.010		mg/L	1	4/26/2010 10:49:30 AM
Potassium	93	5.0		mg/L	1	4/26/2010 10:49:30 AM
Selenium	ND	0.25		mg/L	1	4/26/2010 10:49:30 AM

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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-2
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:24:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Silver	ND	0.025		mg/L	1	4/26/2010 10:49:30 AM
Sodium	1400	25		mg/L	5	4/26/2010 10:53:32 AM
Zinc	ND	0.25		mg/L	1	4/26/2010 10:49:30 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Aniline	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Anthracene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Benzoic acid	160	100		µg/L	1	4/29/2010 3:24:10 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 3:24:10 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Carbazole	ND	50		µg/L	1	4/29/2010 3:24:10 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 3:24:10 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 3:24:10 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 3:24:10 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Chrysene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 3:24:10 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 3:24:10 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 3:24:10 PM

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- ND Not Detected at the Reporting Limit
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CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-2
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:24:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2,4-Dimethylphenol	60	50		µg/L	1	4/29/2010 3:24:10 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 3:24:10 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 3:24:10 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Fluorene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Isophorone	ND	50		µg/L	1	4/29/2010 3:24:10 PM
2-Methylnaphthalene	75	50		µg/L	1	4/29/2010 3:24:10 PM
2-Methylphenol	880	50		µg/L	1	4/29/2010 3:24:10 PM
3+4-Methylphenol	1400	250		µg/L	5	4/30/2010 9:34:38 AM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 3:24:10 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 3:24:10 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 3:24:10 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 3:24:10 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
2-Nitrophenol	73	50		µg/L	1	4/29/2010 3:24:10 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 3:24:10 PM
Phenanthrene	100	50		µg/L	1	4/29/2010 3:24:10 PM
Phenol	2800	250		µg/L	5	4/30/2010 9:34:38 AM
Pyrene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Pyridine	ND	50		µg/L	1	4/29/2010 3:24:10 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 3:24:10 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 3:24:10 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 3:24:10 PM
Surr: 2,4,6-Tribromophenol	73.8	16.6-150		%REC	1	4/29/2010 3:24:10 PM
Surr: 2-Fluorobiphenyl	74.5	19.6-134		%REC	1	4/29/2010 3:24:10 PM
Surr: 2-Fluorophenol	47.2	9.54-113		%REC	1	4/29/2010 3:24:10 PM
Surr: 4-Terphenyl-d14	72.0	22.7-145		%REC	1	4/29/2010 3:24:10 PM
Surr: Nitrobenzene-d5	69.9	14.6-134		%REC	1	4/29/2010 3:24:10 PM
Surr: Phenol-d5	42.2	10.7-80.3		%REC	1	4/29/2010 3:24:10 PM

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Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-2
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:24:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Toluene	1.3	1.0		µg/L	1	4/27/2010 3:15:30 PM
Ethylbenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,2,4-Trimethylbenzene	4.6	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,3,5-Trimethylbenzene	1.4	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Naphthalene	10	2.0		µg/L	1	4/27/2010 3:15:30 PM
1-Methylnaphthalene	32	4.0		µg/L	1	4/27/2010 3:15:30 PM
2-Methylnaphthalene	52	4.0		µg/L	1	4/27/2010 3:15:30 PM
Acetone	150	10		µg/L	1	4/27/2010 3:15:30 PM
Bromobenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Bromoform	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Bromomethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
2-Butanone	ND	10		µg/L	1	4/27/2010 3:15:30 PM
Carbon disulfide	21	10		µg/L	1	4/27/2010 3:15:30 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Chlorobenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Chloroethane	ND	2.0		µg/L	1	4/27/2010 3:15:30 PM
Chloroform	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Chloromethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/27/2010 3:15:30 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Dibromomethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/27/2010 3:15:30 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J *Analyte detected below quantitation limits*
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-2
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:24:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	4/27/2010 3:15:30 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/27/2010 3:15:30 PM
Methylene Chloride	ND	3.0		µg/L	1	4/27/2010 3:15:30 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Styrene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/27/2010 3:15:30 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/27/2010 3:15:30 PM
Vinyl chloride	ND	1.0		µg/L	1	4/27/2010 3:15:30 PM
Xylenes, Total	4.3	1.5		µg/L	1	4/27/2010 3:15:30 PM
Surr: 1,2-Dichloroethane-d4	103	54.6-141		%REC	1	4/27/2010 3:15:30 PM
Surr: 4-Bromofluorobenzene	95.1	60.1-133		%REC	1	4/27/2010 3:15:30 PM
Surr: Dibromofluoromethane	117	78.5-130		%REC	1	4/27/2010 3:15:30 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	4/27/2010 3:15:30 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	5800	0.010		µmhos/cm	1	4/26/2010 2:19:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.56	0.1		pH units	1	4/26/2010 2:19:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E *Estimated value*
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H *Holding times for preparation or analysis exceeded*
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-4
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:52:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	67	2.0		mg/L	20	4/22/2010 12:35:48 AM
Chloride	8000	500		mg/L	1000	5/1/2010 2:40:32 AM
Bromide	ND	2.0		mg/L	20	5/1/2010 2:05:42 AM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	5/5/2010 9:01:09 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/22/2010 12:18:23 AM
Sulfate	1000	25		mg/L	50	5/1/2010 2:23:07 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	4/22/2010 4:48:34 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	4/22/2010 1:12:07 PM
Barium	ND	0.10		mg/L	5	4/22/2010 1:12:07 PM
Cadmium	ND	0.010		mg/L	5	4/22/2010 1:12:07 PM
Calcium	590	10		mg/L	10	4/22/2010 5:28:11 PM
Chromium	ND	0.030		mg/L	5	4/22/2010 1:12:07 PM
Copper	ND	0.030		mg/L	5	4/22/2010 1:12:07 PM
Iron	0.95	0.10		mg/L	5	4/22/2010 1:12:07 PM
Lead	ND	0.025		mg/L	5	4/22/2010 1:12:07 PM
Magnesium	130	5.0		mg/L	5	4/22/2010 1:12:07 PM
Manganese	0.41	0.010		mg/L	5	4/22/2010 1:12:07 PM
Potassium	170	5.0		mg/L	5	4/22/2010 1:12:07 PM
Selenium	ND	0.25		mg/L	5	4/22/2010 1:12:07 PM
Silver	ND	0.025		mg/L	5	4/22/2010 1:12:07 PM
Sodium	4800	100		mg/L	100	4/22/2010 5:43:24 PM
Zinc	ND	0.25		mg/L	5	4/22/2010 1:12:07 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	4/26/2010 11:12:21 AM
Barium	0.086	0.020		mg/L	1	4/26/2010 10:56:22 AM
Cadmium	ND	0.0020		mg/L	1	4/26/2010 10:56:22 AM
Calcium	590	10		mg/L	10	4/26/2010 12:47:59 PM
Chromium	ND	0.0060		mg/L	1	4/26/2010 10:56:22 AM
Copper	ND	0.0060		mg/L	1	4/26/2010 10:56:22 AM
Iron	2.0	0.25		mg/L	5	4/26/2010 11:12:21 AM
Lead	ND	0.0050		mg/L	1	4/26/2010 10:56:22 AM
Magnesium	140	5.0		mg/L	5	4/26/2010 11:12:21 AM
Manganese	0.37	0.0020		mg/L	1	4/26/2010 10:56:22 AM
Potassium	180	5.0		mg/L	5	4/26/2010 11:12:21 AM
Selenium	ND	0.050		mg/L	1	4/26/2010 10:56:22 AM
Silver	ND	0.0050		mg/L	1	4/26/2010 10:56:22 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-4
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:52:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Sodium	5100	100		mg/L	100	4/26/2010 12:46:06 PM
Zinc	ND	0.050		mg/L	1	4/26/2010 10:56:22 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Aniline	180	50		µg/L	1	4/29/2010 3:53:58 PM
Anthracene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Benzoic acid	ND	100		µg/L	1	4/29/2010 3:53:58 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 3:53:58 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Carbazole	ND	50		µg/L	1	4/29/2010 3:53:58 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 3:53:58 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 3:53:58 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 3:53:58 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Chrysene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 3:53:58 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 3:53:58 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 3:53:58 PM
2,4-Dimethylphenol	73	50		µg/L	1	4/29/2010 3:53:58 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-4
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:52:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 3:53:58 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 3:53:58 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Fluorene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Isophorone	ND	50		µg/L	1	4/29/2010 3:53:58 PM
2-Methylnaphthalene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
2-Methylphenol	620	50		µg/L	1	4/29/2010 3:53:58 PM
3+4-Methylphenol	960	250		µg/L	5	4/30/2010 10:03:35 AM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 3:53:58 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 3:53:58 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 3:53:58 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 3:53:58 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
2-Nitrophenol	ND	50		µg/L	1	4/29/2010 3:53:58 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 3:53:58 PM
Phenanthrene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Phenol	2100	250		µg/L	5	4/30/2010 10:03:35 AM
Pyrene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Pyridine	ND	50		µg/L	1	4/29/2010 3:53:58 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 3:53:58 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 3:53:58 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 3:53:58 PM
Surr: 2,4,6-Tribromophenol	71.3	16.6-150		%REC	1	4/29/2010 3:53:58 PM
Surr: 2-Fluorobiphenyl	60.7	19.6-134		%REC	1	4/29/2010 3:53:58 PM
Surr: 2-Fluorophenol	45.8	9.54-113		%REC	1	4/29/2010 3:53:58 PM
Surr: 4-Terphenyl-d14	63.9	22.7-145		%REC	1	4/29/2010 3:53:58 PM
Surr: Nitrobenzene-d5	66.6	14.6-134		%REC	1	4/29/2010 3:53:58 PM
Surr: Phenol-d5	40.2	10.7-80.3		%REC	1	4/29/2010 3:53:58 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-4
Lab Order: 1004481
Collection Date: 4/20/2010 9:52:00 AM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-03
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Toluene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Ethylbenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Naphthalene	ND	2.0		µg/L	1	4/27/2010 1:43:13 PM
1-Methylnaphthalene	5.0	4.0		µg/L	1	4/27/2010 1:43:13 PM
2-Methylnaphthalene	7.3	4.0		µg/L	1	4/27/2010 1:43:13 PM
Acetone	190	10		µg/L	1	4/27/2010 1:43:13 PM
Bromobenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Bromoform	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Bromomethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
2-Butanone	14	10		µg/L	1	4/27/2010 1:43:13 PM
Carbon disulfide	41	10		µg/L	1	4/27/2010 1:43:13 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Chlorobenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Chloroethane	ND	2.0		µg/L	1	4/27/2010 1:43:13 PM
Chloroform	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Chloromethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/27/2010 1:43:13 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Dibromomethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/27/2010 1:43:13 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-4
Lab Order:	1004481	**Collection Date:**	4/20/2010 9:52:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	4/27/2010 1:43:13 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/27/2010 1:43:13 PM
Methylene Chloride	ND	3.0		µg/L	1	4/27/2010 1:43:13 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Styrene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/27/2010 1:43:13 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/27/2010 1:43:13 PM
Vinyl chloride	ND	1.0		µg/L	1	4/27/2010 1:43:13 PM
Xylenes, Total	ND	1.5		µg/L	1	4/27/2010 1:43:13 PM
Surr: 1,2-Dichloroethane-d4	102	54.6-141		%REC	1	4/27/2010 1:43:13 PM
Surr: 4-Bromofluorobenzene	109	60.1-133		%REC	1	4/27/2010 1:43:13 PM
Surr: Dibromofluoromethane	109	78.5-130		%REC	1	4/27/2010 1:43:13 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	4/27/2010 1:43:13 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	26000	0.10		µmhos/cm	10	4/26/2010 3:09:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.05	0.1		pH units	1	4/26/2010 2:23:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-6
Lab Order:	1004481	**Collection Date:**	4/20/2010 10:22:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	29	2.0		mg/L	20	4/22/2010 1:10:36 AM
Chloride	4000	250		mg/L	500	5/1/2010 3:15:21 AM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	4/22/2010 1:10:36 AM
Bromide	ND	2.0		mg/L	20	4/22/2010 1:10:36 AM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	4/22/2010 1:10:36 AM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	4/22/2010 1:10:36 AM
Sulfate	1100	25		mg/L	50	5/1/2010 2:57:56 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	4/22/2010 4:50:19 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	4/22/2010 11:58:53 AM
Barium	0.068	0.020		mg/L	1	4/22/2010 11:58:53 AM
Cadmium	ND	0.0020		mg/L	1	4/22/2010 11:58:53 AM
Calcium	320	5.0		mg/L	5	4/22/2010 1:16:21 PM
Chromium	ND	0.0060		mg/L	1	4/22/2010 11:58:53 AM
Copper	ND	0.0060		mg/L	1	4/22/2010 11:58:53 AM
Iron	0.38	0.020		mg/L	1	4/22/2010 11:58:53 AM
Lead	ND	0.0050		mg/L	1	4/22/2010 11:58:53 AM
Magnesium	81	1.0		mg/L	1	4/22/2010 11:58:53 AM
Manganese	0.43	0.0020		mg/L	1	4/22/2010 11:58:53 AM
Potassium	72	1.0		mg/L	1	4/22/2010 11:58:53 AM
Selenium	ND	0.050		mg/L	1	4/22/2010 11:58:53 AM
Silver	ND	0.0050		mg/L	1	4/22/2010 11:58:53 AM
Sodium	2700	100		mg/L	100	4/22/2010 5:50:50 PM
Zinc	0.050	0.050		mg/L	1	4/22/2010 11:58:53 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	4/26/2010 11:16:44 AM
Barium	0.064	0.020		mg/L	1	4/26/2010 11:16:44 AM
Cadmium	ND	0.0020		mg/L	1	4/26/2010 11:16:44 AM
Calcium	310	5.0		mg/L	5	4/26/2010 11:26:20 AM
Chromium	ND	0.0060		mg/L	1	4/26/2010 11:16:44 AM
Copper	ND	0.0060		mg/L	1	4/26/2010 11:16:44 AM
Iron	0.67	0.050		mg/L	1	4/26/2010 11:16:44 AM
Lead	ND	0.0050		mg/L	1	4/26/2010 11:16:44 AM
Magnesium	89	1.0		mg/L	1	4/26/2010 11:16:44 AM
Manganese	0.40	0.0020		mg/L	1	4/26/2010 11:16:44 AM
Potassium	71	1.0		mg/L	1	4/26/2010 11:16:44 AM
Selenium	ND	0.050		mg/L	1	4/26/2010 11:16:44 AM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-6
Lab Order:	1004481	**Collection Date:**	4/20/2010 10:22:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Silver	ND	0.0050		mg/L	1	4/26/2010 11:16:44 AM
Sodium	2800	50		mg/L	50	4/26/2010 12:42:13 PM
Zinc	ND	0.050		mg/L	1	4/26/2010 11:16:44 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Aniline	81	50		µg/L	1	4/29/2010 4:23:43 PM
Anthracene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Benzoic acid	ND	100		µg/L	1	4/29/2010 4:23:43 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 4:23:43 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Carbazole	ND	50		µg/L	1	4/29/2010 4:23:43 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 4:23:43 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 4:23:43 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 4:23:43 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Chrysene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 4:23:43 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 4:23:43 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 4:23:43 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-6
Lab Order: 1004481
Collection Date: 4/20/2010 10:22:00 AM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-04
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4-Dimethylphenol	ND	50		µg/L	1	4/29/2010 4:23:43 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 4:23:43 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 4:23:43 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Fluorene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Isophorone	ND	50		µg/L	1	4/29/2010 4:23:43 PM
2-Methylnaphthalene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
2-Methylphenol	300	50		µg/L	1	4/29/2010 4:23:43 PM
3+4-Methylphenol	440	50		µg/L	1	4/29/2010 4:23:43 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 4:23:43 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 4:23:43 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 4:23:43 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 4:23:43 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
2-Nitrophenol	ND	50		µg/L	1	4/29/2010 4:23:43 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 4:23:43 PM
Phenanthrene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Phenol	380	50		µg/L	1	4/29/2010 4:23:43 PM
Pyrene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Pyridine	ND	50		µg/L	1	4/29/2010 4:23:43 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 4:23:43 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 4:23:43 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 4:23:43 PM
Surr: 2,4,6-Tribromophenol	61.8	16.6-150		%REC	1	4/29/2010 4:23:43 PM
Surr: 2-Fluorobiphenyl	66.1	19.6-134		%REC	1	4/29/2010 4:23:43 PM
Surr: 2-Fluorophenol	49.3	9.54-113		%REC	1	4/29/2010 4:23:43 PM
Surr: 4-Terphenyl-d14	64.4	22.7-145		%REC	1	4/29/2010 4:23:43 PM
Surr: Nitrobenzene-d5	70.5	14.6-134		%REC	1	4/29/2010 4:23:43 PM
Surr: Phenol-d5	39.7	10.7-80.3		%REC	1	4/29/2010 4:23:43 PM

Qualifiers:

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- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-6
Lab Order:	1004481	**Collection Date:**	4/20/2010 10:22:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Toluene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Naphthalene	ND	2.0		µg/L	1	4/26/2010 6:15:36 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 6:15:36 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 6:15:36 PM
Acetone	44	10		µg/L	1	4/26/2010 6:15:36 PM
Bromobenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Bromoform	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Bromomethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
2-Butanone	ND	10		µg/L	1	4/26/2010 6:15:36 PM
Carbon disulfide	45	10		µg/L	1	4/26/2010 6:15:36 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Chlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Chloroethane	ND	2.0		µg/L	1	4/26/2010 6:15:36 PM
Chloroform	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Chloromethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/26/2010 6:15:36 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Dibromomethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/26/2010 6:15:36 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-6
Lab Order:	1004481	**Collection Date:**	4/20/2010 10:22:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	4/26/2010 6:15:36 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/26/2010 6:15:36 PM
Methylene Chloride	ND	3.0		µg/L	1	4/26/2010 6:15:36 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Styrene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/26/2010 6:15:36 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/26/2010 6:15:36 PM
Vinyl chloride	ND	1.0		µg/L	1	4/26/2010 6:15:36 PM
Xylenes, Total	ND	1.5		µg/L	1	4/26/2010 6:15:36 PM
Surr: 1,2-Dichloroethane-d4	106	54.6-141		%REC	1	4/26/2010 6:15:36 PM
Surr: 4-Bromofluorobenzene	117	60.1-133		%REC	1	4/26/2010 6:15:36 PM
Surr: Dibromofluoromethane	112	78.5-130		%REC	1	4/26/2010 6:15:36 PM
Surr: Toluene-d8	109	79.5-126		%REC	1	4/26/2010 6:15:36 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	8400	0.010		µmhos/cm	1	4/26/2010 2:27:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.66	0.1		pH units	1	4/26/2010 2:27:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-9
Lab Order:	1004481	**Collection Date:**	4/20/2010 10:50:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	20	2.0		mg/L	20	4/22/2010 1:45:25 AM
Chloride	38000	2500		mg/L	5000	5/1/2010 4:42:24 AM
Bromide	14	2.0		mg/L	20	4/22/2010 1:45:25 AM
Nitrate (As N)+Nitrite (As N)	ND	200		mg/L	1000	5/5/2010 9:18:34 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	4/22/2010 1:45:25 AM
Sulfate	5000	100		mg/L	200	5/1/2010 4:25:00 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	4/22/2010 4:52:04 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.20		mg/L	10	4/22/2010 5:55:42 PM
Barium	0.14	0.10		mg/L	5	4/22/2010 1:20:37 PM
Cadmium	ND	0.010		mg/L	5	4/22/2010 1:20:37 PM
Calcium	860	10		mg/L	10	4/22/2010 5:55:42 PM
Chromium	ND	0.030		mg/L	5	4/22/2010 1:20:37 PM
Copper	ND	0.030		mg/L	5	4/22/2010 1:20:37 PM
Iron	0.17	0.10		mg/L	5	4/22/2010 1:20:37 PM
Lead	ND	0.025		mg/L	5	4/22/2010 1:20:37 PM
Magnesium	740	10		mg/L	10	4/22/2010 5:55:42 PM
Manganese	2.6	0.010		mg/L	5	4/22/2010 1:20:37 PM
Potassium	840	10		mg/L	10	4/22/2010 5:55:42 PM
Selenium	ND	0.25		mg/L	5	4/22/2010 1:20:37 PM
Silver	ND	0.025		mg/L	5	4/22/2010 1:20:37 PM
Sodium	23000	500		mg/L	500	4/23/2010 5:06:34 PM
Zinc	ND	0.25		mg/L	5	4/22/2010 1:20:37 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	4/26/2010 11:39:26 AM
Barium	0.14	0.10		mg/L	5	4/26/2010 11:39:26 AM
Cadmium	ND	0.010		mg/L	5	4/26/2010 11:39:26 AM
Calcium	890	10		mg/L	10	4/26/2010 12:02:39 PM
Chromium	ND	0.030		mg/L	5	4/26/2010 11:39:26 AM
Copper	ND	0.030		mg/L	5	4/26/2010 11:39:26 AM
Iron	0.62	0.25		mg/L	5	4/26/2010 11:39:26 AM
Lead	ND	0.025		mg/L	5	4/26/2010 11:39:26 AM
Magnesium	790	10		mg/L	10	4/26/2010 12:02:39 PM
Manganese	2.9	0.010		mg/L	5	4/26/2010 11:39:26 AM
Potassium	870	10		mg/L	10	4/26/2010 12:02:39 PM
Selenium	ND	0.25		mg/L	5	4/26/2010 11:39:26 AM
Silver	ND	0.025		mg/L	5	4/26/2010 11:39:26 AM

Qualifiers:

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- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-9
Lab Order:	1004481	**Collection Date:**	4/20/2010 10:50:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Sodium	24000	500		mg/L	500	4/26/2010 12:22:17 PM
Zinc	ND	0.25		mg/L	5	4/26/2010 11:39:26 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Aniline	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Anthracene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Benzoic acid	ND	100		µg/L	1	4/29/2010 4:53:25 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 4:53:25 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Carbazole	ND	50		µg/L	1	4/29/2010 4:53:25 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 4:53:25 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 4:53:25 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 4:53:25 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Chrysene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 4:53:25 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 4:53:25 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 4:53:25 PM
2,4-Dimethylphenol	ND	50		µg/L	1	4/29/2010 4:53:25 PM

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- NC Non-Chlorinated
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- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-9
Lab Order:	1004481	**Collection Date:**	4/20/2010 10:50:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 4:53:25 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 4:53:25 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Fluorene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Isophorone	ND	50		µg/L	1	4/29/2010 4:53:25 PM
2-Methylnaphthalene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
2-Methylphenol	ND	50		µg/L	1	4/29/2010 4:53:25 PM
3+4-Methylphenol	ND	50		µg/L	1	4/29/2010 4:53:25 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 4:53:25 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 4:53:25 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 4:53:25 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 4:53:25 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
2-Nitrophenol	ND	50		µg/L	1	4/29/2010 4:53:25 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 4:53:25 PM
Phenanthrene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Phenol	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Pyrene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Pyridine	ND	50		µg/L	1	4/29/2010 4:53:25 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 4:53:25 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 4:53:25 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 4:53:25 PM
Surr: 2,4,6-Tribromophenol	54.3	16.6-150		%REC	1	4/29/2010 4:53:25 PM
Surr: 2-Fluorobiphenyl	68.9	19.6-134		%REC	1	4/29/2010 4:53:25 PM
Surr: 2-Fluorophenol	49.3	9.54-113		%REC	1	4/29/2010 4:53:25 PM
Surr: 4-Terphenyl-d14	62.6	22.7-145		%REC	1	4/29/2010 4:53:25 PM
Surr: Nitrobenzene-d5	68.2	14.6-134		%REC	1	4/29/2010 4:53:25 PM
Surr: Phenol-d5	39.6	10.7-80.3		%REC	1	4/29/2010 4:53:25 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-9
Lab Order: 1004481
Collection Date: 4/20/2010 10:50:00 AM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-05
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Toluene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Naphthalene	ND	2.0		µg/L	1	4/26/2010 6:43:22 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 6:43:22 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 6:43:22 PM
Acetone	15	10		µg/L	1	4/26/2010 6:43:22 PM
Bromobenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Bromoform	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Bromomethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
2-Butanone	ND	10		µg/L	1	4/26/2010 6:43:22 PM
Carbon disulfide	ND	10		µg/L	1	4/26/2010 6:43:22 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Chlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Chloroethane	ND	2.0		µg/L	1	4/26/2010 6:43:22 PM
Chloroform	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Chloromethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/26/2010 6:43:22 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Dibromomethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/26/2010 6:43:22 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-9
Lab Order:	1004481	**Collection Date:**	4/20/2010 10:50:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	4/26/2010 6:43:22 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/26/2010 6:43:22 PM
Methylene Chloride	ND	3.0		µg/L	1	4/26/2010 6:43:22 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Styrene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/26/2010 6:43:22 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/26/2010 6:43:22 PM
Vinyl chloride	ND	1.0		µg/L	1	4/26/2010 6:43:22 PM
Xylenes, Total	ND	1.5		µg/L	1	4/26/2010 6:43:22 PM
Surr: 1,2-Dichloroethane-d4	110	54.6-141		%REC	1	4/26/2010 6:43:22 PM
Surr: 4-Bromofluorobenzene	123	60.1-133		%REC	1	4/26/2010 6:43:22 PM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	4/26/2010 6:43:22 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	4/26/2010 6:43:22 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	120000	0.50		µmhos/cm	50	4/26/2010 3:11:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.58	0.1		pH units	1	4/26/2010 2:32:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-8
Lab Order:	1004481	**Collection Date:**	4/20/2010 11:14:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	46	2.0		mg/L	20	4/22/2010 2:55:03 AM
Chloride	49000	2500		mg/L	5000	5/1/2010 5:17:13 AM
Bromide	54	2.0		mg/L	20	4/22/2010 2:55:03 AM
Nitrate (As N)+Nitrite (As N)	ND	200		mg/L	1000	5/5/2010 10:10:47 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	4/22/2010 2:55:03 AM
Sulfate	6900	250		mg/L	500	5/1/2010 4:59:48 AM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	4/22/2010 4:53:50 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Arsenic	ND	0.20		mg/L	10	4/22/2010 6:03:44 PM
Barium	ND	0.20		mg/L	10	4/22/2010 6:03:44 PM
Cadmium	ND	0.020		mg/L	10	4/22/2010 6:03:44 PM
Calcium	720	10		mg/L	10	4/22/2010 6:03:44 PM
Chromium	ND	0.060		mg/L	10	4/22/2010 6:03:44 PM
Copper	ND	0.060		mg/L	10	4/22/2010 6:03:44 PM
Iron	0.26	0.20		mg/L	10	4/22/2010 6:03:44 PM
Lead	ND	0.050		mg/L	10	4/22/2010 6:03:44 PM
Magnesium	1600	100		mg/L	100	4/22/2010 6:07:45 PM
Manganese	10	0.20		mg/L	100	4/22/2010 6:07:45 PM
Potassium	2100	100		mg/L	100	4/22/2010 6:07:45 PM
Selenium	ND	0.50		mg/L	10	4/22/2010 6:03:44 PM
Silver	ND	0.050		mg/L	10	4/22/2010 6:03:44 PM
Sodium	27000	500		mg/L	500	4/23/2010 5:09:24 PM
Zinc	ND	0.50		mg/L	10	4/22/2010 6:03:44 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Arsenic	0.17	0.10		mg/L	5	4/26/2010 11:52:20 AM
Barium	0.13	0.10		mg/L	5	4/26/2010 11:52:20 AM
Cadmium	ND	0.010		mg/L	5	4/26/2010 11:52:20 AM
Calcium	680	20		mg/L	20	4/26/2010 11:56:21 AM
Chromium	ND	0.030		mg/L	5	4/26/2010 11:52:20 AM
Copper	ND	0.030		mg/L	5	4/26/2010 11:52:20 AM
Iron	0.62	0.25		mg/L	5	4/26/2010 11:52:20 AM
Lead	ND	0.025		mg/L	5	4/26/2010 11:52:20 AM
Magnesium	1500	20		mg/L	20	4/26/2010 11:56:21 AM
Manganese	9.6	0.040		mg/L	20	4/26/2010 11:56:21 AM
Potassium	2000	50		mg/L	50	4/26/2010 12:25:08 PM
Selenium	ND	0.25		mg/L	5	4/26/2010 11:52:20 AM
Silver	ND	0.025		mg/L	5	4/26/2010 11:52:20 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-8
Lab Order:	1004481	**Collection Date:**	4/20/2010 11:14:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Sodium	27000	500		mg/L	500	4/26/2010 12:29:17 PM
Zinc	ND	0.25		mg/L	5	4/26/2010 11:52:20 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Aniline	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Anthracene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Benzoic acid	ND	100		µg/L	1	4/29/2010 5:23:00 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 5:23:00 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Carbazole	ND	50		µg/L	1	4/29/2010 5:23:00 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 5:23:00 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 5:23:00 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 5:23:00 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Chrysene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 5:23:00 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 5:23:00 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 5:23:00 PM
2,4-Dimethylphenol	ND	50		µg/L	1	4/29/2010 5:23:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-8
Lab Order:	1004481	**Collection Date:**	4/20/2010 11:14:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 5:23:00 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 5:23:00 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Fluorene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Isophorone	ND	50		µg/L	1	4/29/2010 5:23:00 PM
2-Methylnaphthalene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
2-Methylphenol	ND	50		µg/L	1	4/29/2010 5:23:00 PM
3+4-Methylphenol	ND	50		µg/L	1	4/29/2010 5:23:00 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 5:23:00 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 5:23:00 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 5:23:00 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 5:23:00 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
2-Nitrophenol	ND	50		µg/L	1	4/29/2010 5:23:00 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 5:23:00 PM
Phenanthrene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Phenol	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Pyrene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Pyridine	ND	50		µg/L	1	4/29/2010 5:23:00 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 5:23:00 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 5:23:00 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 5:23:00 PM
Surr: 2,4,6-Tribromophenol	29.1	16.6-150		%REC	1	4/29/2010 5:23:00 PM
Surr: 2-Fluorobiphenyl	70.5	19.6-134		%REC	1	4/29/2010 5:23:00 PM
Surr: 2-Fluorophenol	53.6	9.54-113		%REC	1	4/29/2010 5:23:00 PM
Surr: 4-Terphenyl-d14	67.5	22.7-145		%REC	1	4/29/2010 5:23:00 PM
Surr: Nitrobenzene-d5	70.7	14.6-134		%REC	1	4/29/2010 5:23:00 PM
Surr: Phenol-d5	40.1	10.7-80.3		%REC	1	4/29/2010 5:23:00 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-8
Lab Order:	1004481	**Collection Date:**	4/20/2010 11:14:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Toluene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Naphthalene	ND	2.0		µg/L	1	4/26/2010 4:24:59 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 4:24:59 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 4:24:59 PM
Acetone	38	10		µg/L	1	4/26/2010 4:24:59 PM
Bromobenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Bromoform	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Bromomethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
2-Butanone	ND	10		µg/L	1	4/26/2010 4:24:59 PM
Carbon disulfide	ND	10		µg/L	1	4/26/2010 4:24:59 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Chlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Chloroethane	ND	2.0		µg/L	1	4/26/2010 4:24:59 PM
Chloroform	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Chloromethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/26/2010 4:24:59 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Dibromomethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/26/2010 4:24:59 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-8
Lab Order:	1004481	**Collection Date:**	4/20/2010 11:14:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	4/26/2010 4:24:59 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/26/2010 4:24:59 PM
Methylene Chloride	ND	3.0		µg/L	1	4/26/2010 4:24:59 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Styrene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/26/2010 4:24:59 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/26/2010 4:24:59 PM
Vinyl chloride	ND	1.0		µg/L	1	4/26/2010 4:24:59 PM
Xylenes, Total	ND	1.5		µg/L	1	4/26/2010 4:24:59 PM
Surr: 1,2-Dichloroethane-d4	108	54.6-141		%REC	1	4/26/2010 4:24:59 PM
Surr: 4-Bromofluorobenzene	119	60.1-133		%REC	1	4/26/2010 4:24:59 PM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	4/26/2010 4:24:59 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	4/26/2010 4:24:59 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	150000	0.50		µmhos/cm	50	4/26/2010 3:13:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.31	0.1		pH units	1	4/26/2010 2:36:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-7
Lab Order:	1004481	**Collection Date:**	4/20/2010 11:42:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	16	2.0		mg/L	20	4/22/2010 3:29:52 AM
Chloride	27000	1000		mg/L	2000	5/4/2010 2:21:25 PM
Bromide	10	2.0		mg/L	20	4/22/2010 3:29:52 AM
Nitrate (As N)+Nitrite (As N)	ND	100		mg/L	500	5/5/2010 10:28:11 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	4/22/2010 3:29:52 AM
Sulfate	6000	100		mg/L	200	5/1/2010 5:34:38 AM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	4/22/2010 4:59:18 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Arsenic	ND	0.10		mg/L	5	4/22/2010 1:55:10 PM
Barium	ND	0.10		mg/L	5	4/22/2010 1:55:10 PM
Cadmium	ND	0.010		mg/L	5	4/22/2010 1:55:10 PM
Calcium	880	10		mg/L	10	4/22/2010 6:11:50 PM
Chromium	ND	0.030		mg/L	5	4/22/2010 1:55:10 PM
Copper	ND	0.030		mg/L	5	4/22/2010 1:55:10 PM
Iron	ND	0.10		mg/L	5	4/22/2010 1:55:10 PM
Lead	ND	0.025		mg/L	5	4/22/2010 1:55:10 PM
Magnesium	590	10		mg/L	10	4/22/2010 6:11:50 PM
Manganese	2.5	0.010		mg/L	5	4/22/2010 1:55:10 PM
Potassium	640	10		mg/L	10	4/22/2010 6:11:50 PM
Selenium	ND	0.25		mg/L	5	4/22/2010 1:55:10 PM
Silver	ND	0.025		mg/L	5	4/22/2010 1:55:10 PM
Sodium	15000	500		mg/L	500	4/26/2010 10:30:35 AM
Zinc	ND	0.25		mg/L	5	4/22/2010 1:55:10 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Arsenic	0.10	0.10		mg/L	5	4/26/2010 12:37:30 PM
Arsenic	ND	0.20		mg/L	10	4/26/2010 2:12:17 PM
Barium	ND	0.10		mg/L	5	4/26/2010 12:37:30 PM
Cadmium	ND	0.010		mg/L	5	4/26/2010 12:37:30 PM
Calcium	930	10		mg/L	10	4/26/2010 2:12:17 PM
Chromium	ND	0.030		mg/L	5	4/26/2010 12:37:30 PM
Copper	ND	0.030		mg/L	5	4/26/2010 12:37:30 PM
Iron	0.28	0.25		mg/L	5	4/26/2010 12:37:30 PM
Lead	ND	0.025		mg/L	5	4/26/2010 12:37:30 PM
Magnesium	620	10		mg/L	10	4/26/2010 2:12:17 PM
Manganese	2.7	0.010		mg/L	5	4/26/2010 12:37:30 PM
Potassium	660	10		mg/L	10	4/26/2010 2:12:17 PM
Selenium	ND	0.25		mg/L	5	4/26/2010 12:37:30 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-7
Lab Order:	1004481	**Collection Date:**	4/20/2010 11:42:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Silver	ND	0.025		mg/L	5	4/26/2010 12:37:30 PM
Sodium	15000	500		mg/L	500	4/27/2010 10:52:19 AM
Zinc	ND	0.25		mg/L	5	4/26/2010 12:37:30 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Aniline	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Anthracene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Benzoic acid	ND	100		µg/L	1	4/29/2010 5:52:35 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 5:52:35 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Carbazole	ND	50		µg/L	1	4/29/2010 5:52:35 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 5:52:35 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Chrysene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 5:52:35 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 5:52:35 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 5:52:35 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-7
Lab Order:	1004481	**Collection Date:**	4/20/2010 11:42:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4-Dimethylphenol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 5:52:35 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 5:52:35 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Fluorene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Isophorone	ND	50		µg/L	1	4/29/2010 5:52:35 PM
2-Methylnaphthalene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
2-Methylphenol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
3+4-Methylphenol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 5:52:35 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 5:52:35 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 5:52:35 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 5:52:35 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
2-Nitrophenol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 5:52:35 PM
Phenanthrene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Phenol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Pyrene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Pyridine	ND	50		µg/L	1	4/29/2010 5:52:35 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 5:52:35 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 5:52:35 PM
Surr: 2,4,6-Tribromophenol	48.5	16.6-150		%REC	1	4/29/2010 5:52:35 PM
Surr: 2-Fluorobiphenyl	52.0	19.6-134		%REC	1	4/29/2010 5:52:35 PM
Surr: 2-Fluorophenol	38.8	9.54-113		%REC	1	4/29/2010 5:52:35 PM
Surr: 4-Terphenyl-d14	49.5	22.7-145		%REC	1	4/29/2010 5:52:35 PM
Surr: Nitrobenzene-d5	49.9	14.6-134		%REC	1	4/29/2010 5:52:35 PM
Surr: Phenol-d5	29.0	10.7-80.3		%REC	1	4/29/2010 5:52:35 PM

Qualifiers:

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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-7
Lab Order: 1004481
Collection Date: 4/20/2010 11:42:00 AM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-07
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Toluene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Naphthalene	ND	2.0		µg/L	1	4/26/2010 7:11:03 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 7:11:03 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 7:11:03 PM
Acetone	23	10		µg/L	1	4/26/2010 7:11:03 PM
Bromobenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Bromoform	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Bromomethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
2-Butanone	ND	10		µg/L	1	4/26/2010 7:11:03 PM
Carbon disulfide	ND	10		µg/L	1	4/26/2010 7:11:03 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Chlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Chloroethane	ND	2.0		µg/L	1	4/26/2010 7:11:03 PM
Chloroform	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Chloromethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/26/2010 7:11:03 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Dibromomethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/26/2010 7:11:03 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-7
Lab Order:	1004481	**Collection Date:**	4/20/2010 11:42:00 AM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	4/26/2010 7:11:03 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/26/2010 7:11:03 PM
Methylene Chloride	ND	3.0		µg/L	1	4/26/2010 7:11:03 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Styrene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/26/2010 7:11:03 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/26/2010 7:11:03 PM
Vinyl chloride	ND	1.0		µg/L	1	4/26/2010 7:11:03 PM
Xylenes, Total	ND	1.5		µg/L	1	4/26/2010 7:11:03 PM
Surr: 1,2-Dichloroethane-d4	103	54.6-141		%REC	1	4/26/2010 7:11:03 PM
Surr: 4-Bromofluorobenzene	121	60.1-133		%REC	1	4/26/2010 7:11:03 PM
Surr: Dibromofluoromethane	107	78.5-130		%REC	1	4/26/2010 7:11:03 PM
Surr: Toluene-d8	98.3	79.5-126		%REC	1	4/26/2010 7:11:03 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: NSB
Specific Conductance	84000	0.50		µmhos/cm	50	4/26/2010 3:15:00 PM
SM4500-H+B: PH						Analyst: NSB
pH	7.71	0.1		pH units	1	4/26/2010 2:40:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-11
Lab Order: 1004481
Collection Date: 4/20/2010 12:11:00 PM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-08
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	18	2.0		mg/L	20	4/22/2010 4:04:42 AM
Chloride	17000	1000		mg/L	2000	5/12/2010 11:22:00 AM
Bromide	6.9	5.0		mg/L	50	5/1/2010 6:09:26 AM
Nitrate (As N)+Nitrite (As N)	ND	100		mg/L	500	5/5/2010 10:45:36 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	4/22/2010 4:04:42 AM
Sulfate	4400	100		mg/L	200	5/1/2010 6:26:51 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	4/22/2010 5:01:05 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	4/22/2010 1:59:14 PM
Barium	ND	0.10		mg/L	5	4/22/2010 1:59:14 PM
Cadmium	ND	0.010		mg/L	5	4/22/2010 1:59:14 PM
Calcium	690	10		mg/L	10	4/22/2010 6:18:51 PM
Chromium	ND	0.030		mg/L	5	4/22/2010 1:59:14 PM
Copper	ND	0.030		mg/L	5	4/22/2010 1:59:14 PM
Iron	0.15	0.10		mg/L	5	4/22/2010 1:59:14 PM
Lead	ND	0.025		mg/L	5	4/22/2010 1:59:14 PM
Magnesium	400	5.0		mg/L	5	4/22/2010 1:59:14 PM
Manganese	1.6	0.010		mg/L	5	4/22/2010 1:59:14 PM
Potassium	360	5.0		mg/L	5	4/22/2010 1:59:14 PM
Selenium	ND	0.25		mg/L	5	4/22/2010 1:59:14 PM
Silver	ND	0.025		mg/L	5	4/22/2010 1:59:14 PM
Sodium	9900	200		mg/L	200	4/23/2010 5:16:11 PM
Zinc	ND	0.25		mg/L	5	4/22/2010 1:59:14 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	4/26/2010 1:12:19 PM
Barium	ND	0.10		mg/L	5	4/26/2010 1:12:19 PM
Cadmium	ND	0.010		mg/L	5	4/26/2010 1:12:19 PM
Calcium	710	10		mg/L	10	4/26/2010 2:16:18 PM
Chromium	ND	0.030		mg/L	5	4/26/2010 1:12:19 PM
Copper	ND	0.030		mg/L	5	4/26/2010 1:12:19 PM
Iron	0.42	0.25		mg/L	5	4/26/2010 1:12:19 PM
Lead	ND	0.025		mg/L	5	4/26/2010 1:12:19 PM
Magnesium	420	5.0		mg/L	5	4/26/2010 1:12:19 PM
Manganese	1.6	0.010		mg/L	5	4/26/2010 1:12:19 PM
Potassium	360	5.0		mg/L	5	4/26/2010 1:12:19 PM
Selenium	ND	0.25		mg/L	5	4/26/2010 1:12:19 PM
Silver	ND	0.025		mg/L	5	4/26/2010 1:12:19 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-11
Lab Order:	1004481	**Collection Date:**	4/20/2010 12:11:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Sodium	9900	200		mg/L	200	4/27/2010 10:36:42 AM
Zinc	ND	0.25		mg/L	5	4/26/2010 1:12:19 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Acenaphthylene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Aniline	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Anthracene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Azobenzene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Benz(a)anthracene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Benzo(a)pyrene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Benzoic acid	ND	20		µg/L	1	4/29/2010 6:22:07 PM
Benzyl alcohol	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	4/29/2010 6:22:07 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Butyl benzyl phthalate	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Carbazole	ND	10		µg/L	1	4/29/2010 6:22:07 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	4/29/2010 6:22:07 PM
4-Chloroaniline	ND	10		µg/L	1	4/29/2010 6:22:07 PM
2-Chloronaphthalene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
2-Chlorophenol	ND	10		µg/L	1	4/29/2010 6:22:07 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Chrysene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Di-n-butyl phthalate	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Di-n-octyl phthalate	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Dibenzofuran	ND	10		µg/L	1	4/29/2010 6:22:07 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Diethyl phthalate	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Dimethyl phthalate	ND	10		µg/L	1	4/29/2010 6:22:07 PM
2,4-Dichlorophenol	ND	20		µg/L	1	4/29/2010 6:22:07 PM
2,4-Dimethylphenol	ND	10		µg/L	1	4/29/2010 6:22:07 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-11
Lab Order: 1004481
Collection Date: 4/20/2010 12:11:00 PM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-08
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	4/29/2010 6:22:07 PM
2,4-Dinitrophenol	ND	20		µg/L	1	4/29/2010 6:22:07 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Fluoranthene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Fluorene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Hexachlorobenzene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Hexachlorobutadiene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Hexachloroethane	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Isophorone	ND	10		µg/L	1	4/29/2010 6:22:07 PM
2-Methylnaphthalene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
2-Methylphenol	ND	10		µg/L	1	4/29/2010 6:22:07 PM
3+4-Methylphenol	ND	10		µg/L	1	4/29/2010 6:22:07 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	4/29/2010 6:22:07 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	4/29/2010 6:22:07 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Naphthalene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
2-Nitroaniline	ND	10		µg/L	1	4/29/2010 6:22:07 PM
3-Nitroaniline	ND	10		µg/L	1	4/29/2010 6:22:07 PM
4-Nitroaniline	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Nitrobenzene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
2-Nitrophenol	ND	10		µg/L	1	4/29/2010 6:22:07 PM
4-Nitrophenol	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Pentachlorophenol	ND	20		µg/L	1	4/29/2010 6:22:07 PM
Phenanthrene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Phenol	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Pyrene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Pyridine	ND	10		µg/L	1	4/29/2010 6:22:07 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	4/29/2010 6:22:07 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	4/29/2010 6:22:07 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	4/29/2010 6:22:07 PM
Surr: 2,4,6-Tribromophenol	57.8	16.6-150		%REC	1	4/29/2010 6:22:07 PM
Surr: 2-Fluorobiphenyl	64.0	19.6-134		%REC	1	4/29/2010 6:22:07 PM
Surr: 2-Fluorophenol	47.7	9.54-113		%REC	1	4/29/2010 6:22:07 PM
Surr: 4-Terphenyl-d14	53.4	22.7-145		%REC	1	4/29/2010 6:22:07 PM
Surr: Nitrobenzene-d5	60.3	14.6-134		%REC	1	4/29/2010 6:22:07 PM
Surr: Phenol-d5	39.0	10.7-80.3		%REC	1	4/29/2010 6:22:07 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-11
Lab Order:	1004481	**Collection Date:**	4/20/2010 12:11:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Toluene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Naphthalene	ND	2.0		µg/L	1	4/26/2010 7:38:38 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 7:38:38 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 7:38:38 PM
Acetone	39	10		µg/L	1	4/26/2010 7:38:38 PM
Bromobenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Bromoform	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Bromomethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
2-Butanone	ND	10		µg/L	1	4/26/2010 7:38:38 PM
Carbon disulfide	ND	10		µg/L	1	4/26/2010 7:38:38 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Chlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Chloroethane	ND	2.0		µg/L	1	4/26/2010 7:38:38 PM
Chloroform	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Chloromethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/26/2010 7:38:38 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Dibromomethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/26/2010 7:38:38 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-11
Lab Order: 1004481
Collection Date: 4/20/2010 12:11:00 PM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-08
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	4/26/2010 7:38:38 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/26/2010 7:38:38 PM
Methylene Chloride	ND	3.0		µg/L	1	4/26/2010 7:38:38 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Styrene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/26/2010 7:38:38 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/26/2010 7:38:38 PM
Vinyl chloride	ND	1.0		µg/L	1	4/26/2010 7:38:38 PM
Xylenes, Total	ND	1.5		µg/L	1	4/26/2010 7:38:38 PM
Surr: 1,2-Dichloroethane-d4	110	54.6-141		%REC	1	4/26/2010 7:38:38 PM
Surr: 4-Bromofluorobenzene	116	60.1-133		%REC	1	4/26/2010 7:38:38 PM
Surr: Dibromofluoromethane	109	78.5-130		%REC	1	4/26/2010 7:38:38 PM
Surr: Toluene-d8	105	79.5-126		%REC	1	4/26/2010 7:38:38 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	62000	0.50		µmhos/cm	50	4/27/2010 2:39:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.73	0.1		pH units	1	4/26/2010 2:44:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-12A
Lab Order:	1004481	**Collection Date:**	4/20/2010 12:36:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	29	2.0		mg/L	20	4/22/2010 6:24:01 AM
Chloride	6400	250		mg/L	500	5/4/2010 4:46:53 AM
Bromide	ND	2.0		mg/L	20	4/22/2010 6:24:01 AM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	5/5/2010 11:03:00 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/22/2010 6:06:36 AM
Sulfate	1300	25		mg/L	50	5/4/2010 4:29:29 AM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	4/22/2010 5:02:52 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Arsenic	ND	0.020		mg/L	1	4/22/2010 12:19:23 PM
Barium	0.074	0.020		mg/L	1	4/22/2010 12:19:23 PM
Cadmium	ND	0.0020		mg/L	1	4/22/2010 12:19:23 PM
Calcium	370	5.0		mg/L	5	4/22/2010 2:03:13 PM
Chromium	ND	0.0060		mg/L	1	4/22/2010 12:19:23 PM
Copper	ND	0.0060		mg/L	1	4/22/2010 12:19:23 PM
Iron	0.55	0.020		mg/L	1	4/22/2010 12:19:23 PM
Lead	ND	0.0050		mg/L	1	4/22/2010 12:19:23 PM
Magnesium	110	5.0		mg/L	5	4/22/2010 2:03:13 PM
Manganese	0.28	0.0020		mg/L	1	4/22/2010 12:19:23 PM
Potassium	130	5.0		mg/L	5	4/22/2010 2:03:13 PM
Selenium	ND	0.050		mg/L	1	4/22/2010 12:19:23 PM
Silver	ND	0.0050		mg/L	1	4/22/2010 12:19:23 PM
Sodium	3600	100		mg/L	100	4/22/2010 6:36:53 PM
Zinc	ND	0.050		mg/L	1	4/22/2010 12:19:23 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Arsenic	ND	0.10		mg/L	5	4/26/2010 1:19:10 PM
Barium	ND	0.10		mg/L	5	4/26/2010 1:19:10 PM
Cadmium	ND	0.010		mg/L	5	4/26/2010 1:19:10 PM
Calcium	350	5.0		mg/L	5	4/26/2010 1:19:10 PM
Chromium	ND	0.030		mg/L	5	4/26/2010 1:19:10 PM
Copper	ND	0.030		mg/L	5	4/26/2010 1:19:10 PM
Iron	0.92	0.25		mg/L	5	4/26/2010 1:19:10 PM
Lead	ND	0.025		mg/L	5	4/26/2010 1:19:10 PM
Magnesium	110	5.0		mg/L	5	4/26/2010 1:19:10 PM
Manganese	0.28	0.010		mg/L	5	4/26/2010 1:19:10 PM
Potassium	130	5.0		mg/L	5	4/26/2010 1:19:10 PM
Selenium	ND	0.25		mg/L	5	4/26/2010 1:19:10 PM
Silver	ND	0.025		mg/L	5	4/26/2010 1:19:10 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-12A
Lab Order:	1004481	**Collection Date:**	4/20/2010 12:36:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						**Analyst: SNV**
Sodium	3900	100		mg/L	100	4/26/2010 2:22:04 PM
Zinc	ND	0.25		mg/L	5	4/26/2010 1:19:10 PM
EPA METHOD 8270C: SEMIVOLATILES						**Analyst: JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Aniline	67	50		µg/L	1	4/29/2010 6:51:34 PM
Anthracene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Benzoic acid	ND	100		µg/L	1	4/29/2010 6:51:34 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 6:51:34 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Carbazole	ND	50		µg/L	1	4/29/2010 6:51:34 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 6:51:34 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 6:51:34 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 6:51:34 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Chrysene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 6:51:34 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 6:51:34 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 6:51:34 PM
2,4-Dimethylphenol	ND	50		µg/L	1	4/29/2010 6:51:34 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-12A
Lab Order:	1004481	**Collection Date:**	4/20/2010 12:36:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 6:51:34 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 6:51:34 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Fluorene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Isophorone	ND	50		µg/L	1	4/29/2010 6:51:34 PM
2-Methylnaphthalene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
2-Methylphenol	120	50		µg/L	1	4/29/2010 6:51:34 PM
3+4-Methylphenol	170	50		µg/L	1	4/29/2010 6:51:34 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 6:51:34 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 6:51:34 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 6:51:34 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 6:51:34 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
2-Nitrophenol	ND	50		µg/L	1	4/29/2010 6:51:34 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 6:51:34 PM
Phenanthrene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Phenol	160	50		µg/L	1	4/29/2010 6:51:34 PM
Pyrene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Pyridine	ND	50		µg/L	1	4/29/2010 6:51:34 PM
1;2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 6:51:34 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 6:51:34 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 6:51:34 PM
Surr: 2,4,6-Tribromophenol	66.8	16.6-150		%REC	1	4/29/2010 6:51:34 PM
Surr: 2-Fluorobiphenyl	54.2	19.6-134		%REC	1	4/29/2010 6:51:34 PM
Surr: 2-Fluorophenol	40.9	9.54-113		%REC	1	4/29/2010 6:51:34 PM
Surr: 4-Terphenyl-d14	52.4	22.7-145		%REC	1	4/29/2010 6:51:34 PM
Surr: Nitrobenzene-d5	51.4	14.6-134		%REC	1	4/29/2010 6:51:34 PM
Surr: Phenol-d5	34.4	10.7-80.3		%REC	1	4/29/2010 6:51:34 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-12A
Lab Order: 1004481
Collection Date: 4/20/2010 12:36:00 PM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-09
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Toluene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Naphthalene	ND	2.0		µg/L	1	4/26/2010 8:06:10 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 8:06:10 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 8:06:10 PM
Acetone	130	10		µg/L	1	4/26/2010 8:06:10 PM
Bromobenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Bromoform	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Bromomethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
2-Butanone	11	10		µg/L	1	4/26/2010 8:06:10 PM
Carbon disulfide	34	10		µg/L	1	4/26/2010 8:06:10 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Chlorobenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Chloroethane	ND	2.0		µg/L	1	4/26/2010 8:06:10 PM
Chloroform	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Chloromethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/26/2010 8:06:10 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Dibromomethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/26/2010 8:06:10 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-12A
Lab Order:	1004481	**Collection Date:**	4/20/2010 12:36:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	4/26/2010 8:06:10 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/26/2010 8:06:10 PM
Methylene Chloride	ND	3.0		µg/L	1	4/26/2010 8:06:10 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Styrene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/26/2010 8:06:10 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/26/2010 8:06:10 PM
Vinyl chloride	ND	1.0		µg/L	1	4/26/2010 8:06:10 PM
Xylenes, Total	ND	1.5		µg/L	1	4/26/2010 8:06:10 PM
Surr: 1,2-Dichloroethane-d4	109	54.6-141		%REC	1	4/26/2010 8:06:10 PM
Surr: 4-Bromofluorobenzene	119	60.1-133		%REC	1	4/26/2010 8:06:10 PM
Surr: Dibromofluoromethane	117	78.5-130		%REC	1	4/26/2010 8:06:10 PM
Surr: Toluene-d8	102	79.5-126		%REC	1	4/26/2010 8:06:10 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	20000	0.10		µmhos/cm	10	4/26/2010 3:19:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.89	0.1		pH units	1	4/26/2010 3:53:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-12B
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:10:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	80	5.0		mg/L	50	4/22/2010 6:58:49 AM
Chloride	5000	250		mg/L	500	5/4/2010 6:31:22 AM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	4/22/2010 6:58:49 AM
Bromide	ND	1.0		mg/L	10	4/22/2010 6:41:25 AM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	4/22/2010 6:58:49 AM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	4/22/2010 6:58:49 AM
Sulfate	950	25		mg/L	50	4/22/2010 6:58:49 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	0.00022	0.00020		mg/L	1	4/22/2010 5:04:40 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	4/22/2010 12:23:29 PM
Barium	0.064	0.020		mg/L	1	4/22/2010 12:23:29 PM
Cadmium	ND	0.0020		mg/L	1	4/22/2010 12:23:29 PM
Calcium	330	5.0		mg/L	5	4/22/2010 2:07:20 PM
Chromium	ND	0.0060		mg/L	1	4/22/2010 12:23:29 PM
Copper	ND	0.0060		mg/L	1	4/22/2010 12:23:29 PM
Iron	1.8	0.10		mg/L	5	4/22/2010 2:07:20 PM
Lead	ND	0.0050		mg/L	1	4/22/2010 12:23:29 PM
Magnesium	79	1.0		mg/L	1	4/22/2010 12:23:29 PM
Manganese	0.35	0.0020		mg/L	1	4/22/2010 12:23:29 PM
Potassium	150	5.0		mg/L	5	4/22/2010 2:07:20 PM
Selenium	ND	0.050		mg/L	1	4/22/2010 12:23:29 PM
Silver	ND	0.0050		mg/L	1	4/22/2010 12:23:29 PM
Sodium	3100	100		mg/L	100	4/22/2010 6:40:03 PM
Zinc	ND	0.050		mg/L	1	4/22/2010 12:23:29 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	4/26/2010 1:26:14 PM
Barium	ND	0.10		mg/L	5	4/26/2010 1:26:14 PM
Cadmium	ND	0.010		mg/L	5	4/26/2010 1:26:14 PM
Calcium	320	5.0		mg/L	5	4/26/2010 1:26:14 PM
Chromium	ND	0.030		mg/L	5	4/26/2010 1:26:14 PM
Copper	ND	0.030		mg/L	5	4/26/2010 1:26:14 PM
Iron	4.2	0.25		mg/L	5	4/26/2010 1:26:14 PM
Lead	ND	0.025		mg/L	5	4/26/2010 1:26:14 PM
Magnesium	83	5.0		mg/L	5	4/26/2010 1:26:14 PM
Manganese	0.35	0.010		mg/L	5	4/26/2010 1:26:14 PM
Potassium	150	5.0		mg/L	5	4/26/2010 1:26:14 PM
Selenium	ND	0.25		mg/L	5	4/26/2010 1:26:14 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-12B
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:10:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Silver	ND	0.025		mg/L	5	4/26/2010 1:26:14 PM
Sodium	3100	100		mg/L	100	4/26/2010 2:24:55 PM
Zinc	ND	0.25		mg/L	5	4/26/2010 1:26:14 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Aniline	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Anthracene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Benzoic acid	ND	100		µg/L	1	4/29/2010 7:20:55 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 7:20:55 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Carbazole	ND	50		µg/L	1	4/29/2010 7:20:55 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 7:20:55 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 7:20:55 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 7:20:55 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Chrysene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 7:20:55 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 7:20:55 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 7:20:55 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-12B
Lab Order: 1004481
Collection Date: 4/20/2010 1:10:00 PM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-10
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4-Dimethylphenol	110	50		µg/L	1	4/29/2010 7:20:55 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 7:20:55 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 7:20:55 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Fluorene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Isophorone	ND	50		µg/L	1	4/29/2010 7:20:55 PM
2-Methylnaphthalene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
2-Methylphenol	920	50		µg/L	1	4/29/2010 7:20:55 PM
3+4-Methylphenol	1200	250		µg/L	5	4/30/2010 10:32:53 AM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 7:20:55 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 7:20:55 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 7:20:55 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 7:20:55 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
2-Nitrophenol	ND	50		µg/L	1	4/29/2010 7:20:55 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 7:20:55 PM
Phenanthrene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Phenol	2700	250		µg/L	5	4/30/2010 10:32:53 AM
Pyrene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Pyridine	ND	50		µg/L	1	4/29/2010 7:20:55 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 7:20:55 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 7:20:55 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 7:20:55 PM
Surr: 2,4,6-Tribromophenol	80.2	16.6-150		%REC	1	4/29/2010 7:20:55 PM
Surr: 2-Fluorobiphenyl	78.0	19.6-134		%REC	1	4/29/2010 7:20:55 PM
Surr: 2-Fluorophenol	56.6	9.54-113		%REC	1	4/29/2010 7:20:55 PM
Surr: 4-Terphenyl-d14	68.9	22.7-145		%REC	1	4/29/2010 7:20:55 PM
Surr: Nitrobenzene-d5	80.8	14.6-134		%REC	1	4/29/2010 7:20:55 PM
Surr: Phenol-d5	47.7	10.7-80.3		%REC	1	4/29/2010 7:20:55 PM

Qualifiers:

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- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-12B
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:10:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Toluene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Ethylbenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,2,4-Trimethylbenzene	1.6	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Naphthalene	3.4	2.0		µg/L	1	4/27/2010 2:12:23 PM
1-Methylnaphthalene	12	4.0		µg/L	1	4/27/2010 2:12:23 PM
2-Methylnaphthalene	19	4.0		µg/L	1	4/27/2010 2:12:23 PM
Acetone	300	200		µg/L	20	4/26/2010 8:33:46 PM
Bromobenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Bromoform	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Bromomethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
2-Butanone	25	10		µg/L	1	4/27/2010 2:12:23 PM
Carbon disulfide	35	10		µg/L	1	4/27/2010 2:12:23 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Chlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Chloroethane	ND	2.0		µg/L	1	4/27/2010 2:12:23 PM
Chloroform	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Chloromethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/27/2010 2:12:23 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Dibromomethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/27/2010 2:12:23 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-12B
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:10:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	4/27/2010 2:12:23 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/27/2010 2:12:23 PM
Methylene Chloride	ND	3.0		µg/L	1	4/27/2010 2:12:23 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Styrene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/27/2010 2:12:23 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/27/2010 2:12:23 PM
Vinyl chloride	ND	1.0		µg/L	1	4/27/2010 2:12:23 PM
Xylenes, Total	1.7	1.5		µg/L	1	4/27/2010 2:12:23 PM
Surr: 1,2-Dichloroethane-d4	109	54.6-141		%REC	1	4/27/2010 2:12:23 PM
Surr: 4-Bromofluorobenzene	103	60.1-133		%REC	1	4/27/2010 2:12:23 PM
Surr: Dibromofluoromethane	120	78.5-130		%REC	1	4/27/2010 2:12:23 PM
Surr: Toluene-d8	97.6	79.5-126		%REC	1	4/27/2010 2:12:23 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	9400	0.010		µmhos/cm	1	4/26/2010 3:57:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.06	0.1		pH units	1	4/26/2010 3:57:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-5
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:18:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	53	2.0		mg/L	20	4/22/2010 7:33:39 AM
Chloride	12000	500		mg/L	1000	5/5/2010 11:37:49 PM
Bromide	ND	10		mg/L	100	5/5/2010 11:20:24 PM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	5/5/2010 11:55:14 PM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/22/2010 7:16:14 AM
Sulfate	1100	25		mg/L	50	5/4/2010 5:21:43 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	4/22/2010 5:06:27 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	4/22/2010 2:14:18 PM
Barium	0.12	0.10		mg/L	5	4/22/2010 2:14:18 PM
Cadmium	ND	0.010		mg/L	5	4/22/2010 2:14:18 PM
Calcium	780	10		mg/L	10	4/22/2010 6:43:12 PM
Chromium	ND	0.030		mg/L	5	4/22/2010 2:14:18 PM
Copper	ND	0.030		mg/L	5	4/22/2010 2:14:18 PM
Iron	0.71	0.10		mg/L	5	4/22/2010 2:14:18 PM
Lead	ND	0.025		mg/L	5	4/22/2010 2:14:18 PM
Magnesium	180	5.0		mg/L	5	4/22/2010 2:14:18 PM
Manganese	0.49	0.010		mg/L	5	4/22/2010 2:14:18 PM
Potassium	180	5.0		mg/L	5	4/22/2010 2:14:18 PM
Selenium	ND	0.25		mg/L	5	4/22/2010 2:14:18 PM
Silver	ND	0.025		mg/L	5	4/22/2010 2:14:18 PM
Sodium	6400	100		mg/L	100	4/22/2010 6:47:19 PM
Zinc	ND	0.25		mg/L	5	4/22/2010 2:14:18 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	4/26/2010 1:33:13 PM
Barium	0.11	0.10		mg/L	5	4/26/2010 1:33:13 PM
Cadmium	ND	0.010		mg/L	5	4/26/2010 1:33:13 PM
Calcium	790	10		mg/L	10	4/26/2010 1:57:59 PM
Chromium	ND	0.030		mg/L	5	4/26/2010 1:33:13 PM
Copper	ND	0.030		mg/L	5	4/26/2010 1:33:13 PM
Iron	1.1	0.25		mg/L	5	4/26/2010 1:33:13 PM
Lead	ND	0.025		mg/L	5	4/26/2010 1:33:13 PM
Magnesium	180	5.0		mg/L	5	4/26/2010 1:33:13 PM
Manganese	0.45	0.010		mg/L	5	4/26/2010 1:33:13 PM
Potassium	180	5.0		mg/L	5	4/26/2010 1:33:13 PM
Selenium	ND	0.25		mg/L	5	4/26/2010 1:33:13 PM
Silver	ND	0.025		mg/L	5	4/26/2010 1:33:13 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-5
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:18:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Sodium	6500	100		mg/L	100	4/26/2010 2:02:22 PM
Zinc	ND	0.25		mg/L	5	4/26/2010 1:33:13 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Aniline	170	50		µg/L	1	4/29/2010 7:50:17 PM
Anthracene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Benzoic acid	ND	100		µg/L	1	4/29/2010 7:50:17 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 7:50:17 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Carbazole	ND	50		µg/L	1	4/29/2010 7:50:17 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 7:50:17 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 7:50:17 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 7:50:17 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Chrysene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 7:50:17 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 7:50:17 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 7:50:17 PM
2,4-Dimethylphenol	74	50		µg/L	1	4/29/2010 7:50:17 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-5
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:18:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 7:50:17 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 7:50:17 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Fluorene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Isophorone	ND	50		µg/L	1	4/29/2010 7:50:17 PM
2-Methylnaphthalene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
2-Methylphenol	640	50		µg/L	1	4/29/2010 7:50:17 PM
3+4-Methylphenol	1000	250		µg/L	5	4/30/2010 11:02:21 AM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 7:50:17 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 7:50:17 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 7:50:17 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 7:50:17 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
2-Nitrophenol	ND	50		µg/L	1	4/29/2010 7:50:17 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 7:50:17 PM
Phenanthrene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Phenol	2200	250		µg/L	5	4/30/2010 11:02:21 AM
Pyrene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Pyridine	ND	50		µg/L	1	4/29/2010 7:50:17 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 7:50:17 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 7:50:17 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 7:50:17 PM
Surr: 2,4,6-Tribromophenol	76.5	16.6-150		%REC	1	4/29/2010 7:50:17 PM
Surr: 2-Fluorobiphenyl	74.5	19.6-134		%REC	1	4/29/2010 7:50:17 PM
Surr: 2-Fluorophenol	60.1	9.54-113		%REC	1	4/29/2010 7:50:17 PM
Surr: 4-Terphenyl-d14	72.6	22.7-145		%REC	1	4/29/2010 7:50:17 PM
Surr: Nitrobenzene-d5	76.5	14.6-134		%REC	1	4/29/2010 7:50:17 PM
Surr: Phenol-d5	48.3	10.7-80.3		%REC	1	4/29/2010 7:50:17 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL *Practical Quantitation Limit*
- S *Spike recovery outside accepted recovery limits*

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-5
Lab Order: 1004481
Collection Date: 4/20/2010 1:18:00 PM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-11
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Toluene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Naphthalene	ND	2.0		µg/L	1	4/26/2010 4:52:34 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 4:52:34 PM
2-Methylnaphthalene	4.6	4.0		µg/L	1	4/26/2010 4:52:34 PM
Acetone	130	10		µg/L	1	4/26/2010 4:52:34 PM
Bromobenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Bromoform	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Bromomethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
2-Butanone	11	10		µg/L	1	4/26/2010 4:52:34 PM
Carbon disulfide	47	10		µg/L	1	4/26/2010 4:52:34 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Chlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Chloroethane	ND	2.0		µg/L	1	4/26/2010 4:52:34 PM
Chloroform	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Chloromethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/26/2010 4:52:34 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Dibromomethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/26/2010 4:52:34 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-5
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:18:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	4/26/2010 4:52:34 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/26/2010 4:52:34 PM
Methylene Chloride	ND	3.0		µg/L	1	4/26/2010 4:52:34 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Styrene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/26/2010 4:52:34 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/26/2010 4:52:34 PM
Vinyl chloride	ND	1.0		µg/L	1	4/26/2010 4:52:34 PM
Xylenes, Total	ND	1.5		µg/L	1	4/26/2010 4:52:34 PM
Surr: 1,2-Dichloroethane-d4	105	54.6-141		%REC	1	4/26/2010 4:52:34 PM
Surr: 4-Bromofluorobenzene	115	60.1-133		%REC	1	4/26/2010 4:52:34 PM
Surr: Dibromofluoromethane	110	78.5-130		%REC	1	4/26/2010 4:52:34 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	4/26/2010 4:52:34 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	40000	0.50		µmhos/cm	50	4/26/2010 3:21:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.04	0.1		pH units	1	4/26/2010 4:09:00 PM

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-3
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:35:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	63	2.0		mg/L	20	4/22/2010 8:08:29 AM
Chloride	8400	500		mg/L	1000	5/4/2010 7:41:00 AM
Bromide	ND	10		mg/L	100	5/7/2010 4:14:30 AM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	5/6/2010 1:39:42 AM
Phosphorus, Orthophosphate (As P)	ND	2.5		mg/L	5	4/22/2010 7:51:03 AM
Sulfate	1100	25		mg/L	50	5/4/2010 7:06:11 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	4/22/2010 5:08:15 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	4/22/2010 2:18:35 PM
Barium	ND	0.10		mg/L	5	4/22/2010 2:18:35 PM
Cadmium	ND	0.010		mg/L	5	4/22/2010 2:18:35 PM
Calcium	590	10		mg/L	10	4/22/2010 6:50:29 PM
Chromium	ND	0.030		mg/L	5	4/22/2010 2:18:35 PM
Copper	ND	0.030		mg/L	5	4/22/2010 2:18:35 PM
Iron	0.88	0.10		mg/L	5	4/22/2010 2:18:35 PM
Lead	ND	0.025		mg/L	5	4/22/2010 2:18:35 PM
Magnesium	140	5.0		mg/L	5	4/22/2010 2:18:35 PM
Manganese	0.42	0.010		mg/L	5	4/22/2010 2:18:35 PM
Potassium	170	5.0		mg/L	5	4/22/2010 2:18:35 PM
Selenium	ND	0.25		mg/L	5	4/22/2010 2:18:35 PM
Silver	ND	0.025		mg/L	5	4/22/2010 2:18:35 PM
Sodium	5100	100		mg/L	100	4/22/2010 6:54:36 PM
Zinc	ND	0.25		mg/L	5	4/22/2010 2:18:35 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	5	4/26/2010 1:40:17 PM
Barium	ND	0.10		mg/L	5	4/26/2010 1:40:17 PM
Cadmium	ND	0.010		mg/L	5	4/26/2010 1:40:17 PM
Calcium	600	10		mg/L	10	4/26/2010 2:05:14 PM
Chromium	ND	0.030		mg/L	5	4/26/2010 1:40:17 PM
Copper	ND	0.030		mg/L	5	4/26/2010 1:40:17 PM
Iron	1.6	0.25		mg/L	5	4/26/2010 1:40:17 PM
Lead	ND	0.025		mg/L	5	4/26/2010 1:40:17 PM
Magnesium	140	5.0		mg/L	5	4/26/2010 1:40:17 PM
Manganese	0.39	0.010		mg/L	5	4/26/2010 1:40:17 PM
Potassium	170	5.0		mg/L	5	4/26/2010 1:40:17 PM
Selenium	ND	0.25		mg/L	5	4/26/2010 1:40:17 PM
Silver	ND	0.025		mg/L	5	4/26/2010 1:40:17 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-3
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:35:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Sodium	5000	100		mg/L	100	4/26/2010 2:09:24 PM
Zinc	ND	0.25		mg/L	5	4/26/2010 1:40:17 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Aniline	220	50		µg/L	1	4/29/2010 8:19:36 PM
Anthracene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Benzoic acid	ND	100		µg/L	1	4/29/2010 8:19:36 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 8:19:36 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Carbazole	ND	50		µg/L	1	4/29/2010 8:19:36 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 8:19:36 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 8:19:36 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 8:19:36 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Chrysene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 8:19:36 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 8:19:36 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 8:19:36 PM
2,4-Dimethylphenol	94	50		µg/L	1	4/29/2010 8:19:36 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-3
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:35:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 8:19:36 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 8:19:36 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Fluorene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Isophorone	ND	50		µg/L	1	4/29/2010 8:19:36 PM
2-Methylnaphthalene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
2-Methylphenol	770	50		µg/L	1	4/29/2010 8:19:36 PM
3+4-Methylphenol	1200	250		µg/L	5	4/30/2010 11:31:57 AM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 8:19:36 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 8:19:36 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 8:19:36 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 8:19:36 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
2-Nitrophenol	ND	50		µg/L	1	4/29/2010 8:19:36 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 8:19:36 PM
Phenanthrene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Phenol	2800	250		µg/L	5	4/30/2010 11:31:57 AM
Pyrene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Pyridine	ND	50		µg/L	1	4/29/2010 8:19:36 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 8:19:36 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 8:19:36 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 8:19:36 PM
Surr: 2,4,6-Tribromophenol	85.1	16.6-150		%REC	1	4/29/2010 8:19:36 PM
Surr: 2-Fluorobiphenyl	81.6	19.6-134		%REC	1	4/29/2010 8:19:36 PM
Surr: 2-Fluorophenol	64.4	9.54-113		%REC	1	4/29/2010 8:19:36 PM
Surr: 4-Terphenyl-d14	74.9	22.7-145		%REC	1	4/29/2010 8:19:36 PM
Surr: Nitrobenzene-d5	88.3	14.6-134		%REC	1	4/29/2010 8:19:36 PM
Surr: Phenol-d5	50.8	10.7-80.3		%REC	1	4/29/2010 8:19:36 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-3
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:35:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Toluene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Ethylbenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Naphthalene	2.3	2.0		µg/L	1	4/27/2010 2:46:07 PM
1-Methylnaphthalene	7.6	4.0		µg/L	1	4/27/2010 2:46:07 PM
2-Methylnaphthalene	12	4.0		µg/L	1	4/27/2010 2:46:07 PM
Acetone	210	100		µg/L	10	4/26/2010 9:01:24 PM
Bromobenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Bromoform	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Bromomethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
2-Butanone	14	10		µg/L	1	4/27/2010 2:46:07 PM
Carbon disulfide	43	10		µg/L	1	4/27/2010 2:46:07 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Chlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Chloroethane	ND	2.0		µg/L	1	4/27/2010 2:46:07 PM
Chloroform	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Chloromethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/27/2010 2:46:07 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Dibromomethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/27/2010 2:46:07 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-3
Lab Order:	1004481	**Collection Date:**	4/20/2010 1:35:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	4/27/2010 2:46:07 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/27/2010 2:46:07 PM
Methylene Chloride	ND	3.0		µg/L	1	4/27/2010 2:46:07 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Styrene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/27/2010 2:46:07 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/27/2010 2:46:07 PM
Vinyl chloride	ND	1.0		µg/L	1	4/27/2010 2:46:07 PM
Xylenes, Total	ND	1.5		µg/L	1	4/27/2010 2:46:07 PM
Surr: 1,2-Dichloroethane-d4	96.0	54.6-141		%REC	1	4/27/2010 2:46:07 PM
Surr: 4-Bromofluorobenzene	102	60.1-133		%REC	1	4/27/2010 2:46:07 PM
Surr: Dibromofluoromethane	105	78.5-130		%REC	1	4/27/2010 2:46:07 PM
Surr: Toluene-d8	102	79.5-126		%REC	1	4/27/2010 2:46:07 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	32000	0.50		µmhos/cm	50	4/26/2010 3:23:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.11	0.1		pH units	1	4/26/2010 4:13:00 PM

Qualifiers:

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E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-1
Lab Order:	1004481	**Collection Date:**	4/20/2010 2:27:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-13	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **MMS**
Fluoride	340	10		mg/L	100	5/4/2010 7:58:24 AM
Chloride	330	25		mg/L	50	4/22/2010 8:43:17 AM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	4/22/2010 8:25:53 AM
Bromide	ND	5.0		mg/L	50	4/22/2010 8:43:17 AM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	4/22/2010 8:43:17 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	4/22/2010 8:25:53 AM
Sulfate	1500	25		mg/L	50	4/22/2010 8:43:17 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	0.0025	0.00020		mg/L	1	4/22/2010 5:10:04 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	4/22/2010 12:37:28 PM
Barium	0.085	0.020		mg/L	1	4/22/2010 12:37:28 PM
Cadmium	ND	0.0020		mg/L	1	4/22/2010 12:37:28 PM
Calcium	31	1.0		mg/L	1	4/22/2010 12:37:28 PM
Chromium	0.019	0.0060		mg/L	1	4/22/2010 12:37:28 PM
Copper	0.0091	0.0060		mg/L	1	4/22/2010 12:37:28 PM
Iron	29	2.0		mg/L	100	4/22/2010 6:57:46 PM
Lead	ND	0.0050		mg/L	1	4/22/2010 12:37:28 PM
Magnesium	10	1.0		mg/L	1	4/22/2010 12:37:28 PM
Manganese	0.24	0.0020		mg/L	1	4/22/2010 12:37:28 PM
Potassium	70	1.0		mg/L	1	4/22/2010 12:37:28 PM
Selenium	0.066	0.050		mg/L	1	4/22/2010 12:37:28 PM
Silver	ND	0.0050		mg/L	1	4/22/2010 12:37:28 PM
Sodium	1500	100		mg/L	100	4/22/2010 6:57:46 PM
Zinc	0.28	0.050		mg/L	1	4/22/2010 12:37:28 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.10		mg/L	1	4/26/2010 2:27:46 PM
Barium	0.27	0.10		mg/L	1	4/26/2010 2:27:46 PM
Cadmium	ND	0.010		mg/L	1	4/26/2010 2:27:46 PM
Calcium	45	5.0		mg/L	1	4/26/2010 2:27:46 PM
Chromium	ND	0.030		mg/L	1	4/26/2010 2:27:46 PM
Copper	ND	0.030		mg/L	1	4/26/2010 2:27:46 PM
Iron	36	2.5		mg/L	10	4/26/2010 3:52:16 PM
Lead	ND	0.025		mg/L	1	4/26/2010 2:27:46 PM
Magnesium	12	5.0		mg/L	1	4/26/2010 2:27:46 PM
Manganese	0.24	0.010		mg/L	1	4/26/2010 2:27:46 PM
Potassium	72	5.0		mg/L	1	4/26/2010 2:27:46 PM
Selenium	ND	0.25		mg/L	1	4/26/2010 2:27:46 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-1
Lab Order:	1004481	**Collection Date:**	4/20/2010 2:27:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-13	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Silver	ND	0.025		mg/L	1	4/26/2010 2:27:46 PM
Sodium	1400	25		mg/L	5	4/26/2010 2:31:36 PM
Zinc	0.49	0.25		mg/L	1	4/26/2010 2:27:46 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Acenaphthylene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Aniline	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Anthracene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Azobenzene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Benz(a)anthracene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Benzo(a)pyrene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Benzoic acid	ND	100		µg/L	1	4/29/2010 8:48:52 PM
Benzyl alcohol	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	4/29/2010 8:48:52 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Butyl benzyl phthalate	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Carbazole	ND	50		µg/L	1	4/29/2010 8:48:52 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	4/29/2010 8:48:52 PM
4-Chloroaniline	ND	50		µg/L	1	4/29/2010 8:48:52 PM
2-Chloronaphthalene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
2-Chlorophenol	ND	50		µg/L	1	4/29/2010 8:48:52 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Chrysene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Di-n-butyl phthalate	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Di-n-octyl phthalate	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Dibenzofuran	ND	50		µg/L	1	4/29/2010 8:48:52 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Diethyl phthalate	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Dimethyl phthalate	ND	50		µg/L	1	4/29/2010 8:48:52 PM
2,4-Dichlorophenol	ND	100		µg/L	1	4/29/2010 8:48:52 PM

Qualifiers:

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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-1
Lab Order:	1004481	**Collection Date:**	4/20/2010 2:27:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-13	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2,4-Dimethylphenol	63	50		µg/L	1	4/29/2010 8:48:52 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	4/29/2010 8:48:52 PM
2,4-Dinitrophenol	ND	100		µg/L	1	4/29/2010 8:48:52 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Fluoranthene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Fluorene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Hexachlorobenzene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Hexachlorobutadiene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Hexachloroethane	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Isophorone	ND	50		µg/L	1	4/29/2010 8:48:52 PM
2-Methylnaphthalene	75	50		µg/L	1	4/29/2010 8:48:52 PM
2-Methylphenol	ND	50		µg/L	1	4/29/2010 8:48:52 PM
3+4-Methylphenol	ND	50		µg/L	1	4/29/2010 8:48:52 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	4/29/2010 8:48:52 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	4/29/2010 8:48:52 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Naphthalene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
2-Nitroaniline	ND	50		µg/L	1	4/29/2010 8:48:52 PM
3-Nitroaniline	ND	50		µg/L	1	4/29/2010 8:48:52 PM
4-Nitroaniline	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Nitrobenzene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
2-Nitrophenol	ND	50		µg/L	1	4/29/2010 8:48:52 PM
4-Nitrophenol	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Pentachlorophenol	ND	100		µg/L	1	4/29/2010 8:48:52 PM
Phenanthrene	110	50		µg/L	1	4/29/2010 8:48:52 PM
Phenol	91	50		µg/L	1	4/29/2010 8:48:52 PM
Pyrene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Pyridine	ND	50		µg/L	1	4/29/2010 8:48:52 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	4/29/2010 8:48:52 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	4/29/2010 8:48:52 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	4/29/2010 8:48:52 PM
Surr: 2,4,6-Tribromophenol	64.5	16.6-150		%REC	1	4/29/2010 8:48:52 PM
Surr: 2-Fluorobiphenyl	62.5	19.6-134		%REC	1	4/29/2010 8:48:52 PM
Surr: 2-Fluorophenol	51.7	9.54-113		%REC	1	4/29/2010 8:48:52 PM
Surr: 4-Terphenyl-d14	67.8	22.7-145		%REC	1	4/29/2010 8:48:52 PM
Surr: Nitrobenzene-d5	63.3	14.6-134		%REC	1	4/29/2010 8:48:52 PM
Surr: Phenol-d5	39.1	10.7-80.3		%REC	1	4/29/2010 8:48:52 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: EP-1
Lab Order: 1004481
Collection Date: 4/20/2010 2:27:00 PM
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-13
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Toluene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Ethylbenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,2,4-Trimethylbenzene	5.5	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,3,5-Trimethylbenzene	1.8	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Naphthalene	11	2.0		µg/L	1	4/27/2010 4:14:02 PM
1-Methylnaphthalene	27	4.0		µg/L	1	4/27/2010 4:14:02 PM
2-Methylnaphthalene	45	4.0		µg/L	1	4/27/2010 4:14:02 PM
Acetone	1700	100		µg/L	10	4/26/2010 9:29:01 PM
Bromobenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Bromoform	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Bromomethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
2-Butanone	100	10		µg/L	1	4/27/2010 4:14:02 PM
Carbon disulfide	ND	10		µg/L	1	4/27/2010 4:14:02 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Chlorobenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Chloroethane	ND	2.0		µg/L	1	4/27/2010 4:14:02 PM
Chloroform	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Chloromethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/27/2010 4:14:02 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Dibromomethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/27/2010 4:14:02 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	EP-1
Lab Order:	1004481	**Collection Date:**	4/20/2010 2:27:00 PM
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-13	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	4/27/2010 4:14:02 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/27/2010 4:14:02 PM
Methylene Chloride	ND	3.0		µg/L	1	4/27/2010 4:14:02 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Styrene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/27/2010 4:14:02 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/27/2010 4:14:02 PM
Vinyl chloride	ND	1.0		µg/L	1	4/27/2010 4:14:02 PM
Xylenes, Total	2.5	1.5		µg/L	1	4/27/2010 4:14:02 PM
Surr: 1,2-Dichloroethane-d4	98.9	54.6-141		%REC	1	4/27/2010 4:14:02 PM
Surr: 4-Bromofluorobenzene	107	60.1-133		%REC	1	4/27/2010 4:14:02 PM
Surr: Dibromofluoromethane	103	78.5-130		%REC	1	4/27/2010 4:14:02 PM
Surr: Toluene-d8	89.1	79.5-126		%REC	1	4/27/2010 4:14:02 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	5400	0.010		µmhos/cm	1	4/26/2010 4:18:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.36	0.1		pH units	1	4/26/2010 4:18:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT: Western Refining Southwest, Gallup Refine
Client Sample ID: Trip Blank
Lab Order: 1004481
Collection Date:
Project: Semi-Annual-Ponds
Date Received: 4/21/2010
Lab ID: 1004481-14
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Toluene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Ethylbenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Naphthalene	ND	2.0		µg/L	1	4/26/2010 9:56:40 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 9:56:40 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/26/2010 9:56:40 PM
Acetone	ND	10		µg/L	1	4/26/2010 9:56:40 PM
Bromobenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Bromodichloromethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Bromoform	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Bromomethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
2-Butanone	ND	10		µg/L	1	4/26/2010 9:56:40 PM
Carbon disulfide	ND	10		µg/L	1	4/26/2010 9:56:40 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Chlorobenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Chloroethane	ND	2.0		µg/L	1	4/26/2010 9:56:40 PM
Chloroform	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Chloromethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
2-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
4-Chlorotoluene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
cis-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	4/26/2010 9:56:40 PM
Dibromochloromethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Dibromomethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	4/26/2010 9:56:40 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *15-May-10*

CLIENT:	Western Refining Southwest, Gallup Refine	**Client Sample ID:**	Trip Blank
Lab Order:	1004481	**Collection Date:**	
Project:	Semi-Annual-Ponds	**Date Received:**	4/21/2010
Lab ID:	1004481-14	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	4/26/2010 9:56:40 PM
Isopropylbenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	4/26/2010 9:56:40 PM
Methylene Chloride	ND	3.0		µg/L	1	4/26/2010 9:56:40 PM
n-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
n-Propylbenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
sec-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Styrene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
tert-Butylbenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	4/26/2010 9:56:40 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
trans-1,2-DCE	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	4/26/2010 9:56:40 PM
Vinyl chloride	ND	1.0		µg/L	1	4/26/2010 9:56:40 PM
Xylenes, Total	ND	1.5		µg/L	1	4/26/2010 9:56:40 PM
Surr: 1,2-Dichloroethane-d4	108	54.6-141		%REC	1	4/26/2010 9:56:40 PM
Surr: 4-Bromofluorobenzene	112	60.1-133		%REC	1	4/26/2010 9:56:40 PM
Surr: Dibromofluoromethane	114	78.5-130		%REC	1	4/26/2010 9:56:40 PM
Surr: Toluene-d8	104	79.5-126		%REC	1	4/26/2010 9:56:40 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

4301 Masthead NE Albuquerque, NM 87109, ph. 505-345-8964 fax 505-345-7259

Explanation of codes	
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
U	Concentration is below MDL
J	Concentration between MDL and RDL
1-9	See Footnote

HALL ENVIRONMENTAL
attn ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

ARS Analytical, LLC

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **1004481**
Order: **10040394 HAL03** Receipt: **04-21-10**

for Nancy McDuffie: Laboratory Director, ARS Analytical, LLC

Sample: ***1004481-02I EP-2*** Collected: *04-20-10 9:24:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-001A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.6	10-26-4	Biochemical Oxygen Demand	1100	mg/L	1	4		04-22-10	04-27-10

Sample: ***1004481-03I EP-4*** Collected: *04-20-10 9:52:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-002A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.7	10-26-4	Biochemical Oxygen Demand	281	mg/L	1	4		04-22-10	04-27-10

Sample: ***1004481-04I EP-6*** Collected: *04-20-10 10:22:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-003A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.8	10-26-4	Biochemical Oxygen Demand	54.8	mg/L	1	4		04-22-10	04-27-10

ARS Analytical, LLC

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **1004481**
Order: **10040394 HAL03** Receipt: **04-21-10**

Sample: ***1004481-05I EP-9*** Collected: *04-20-10 10:50:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-004A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.9	10-26-4	Biochemical Oxygen Demand	Less Than 60.0	mg/L	1	4		04-22-10	04-27-10

Sample: ***1004481-06I EP-8*** Collected: *04-20-10 11:14:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-005A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.10	10-26-4	Biochemical Oxygen Demand	14.3	mg/L	1	4		04-22-10	04-27-10

Sample: ***1004481-07I EP-7*** Collected: *04-20-10 11:42:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-006A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.11	10-26-4	Biochemical Oxygen Demand	Less Than 60.0	mg/L	1	4		04-22-10	04-27-10

Sample: ***1004481-08I EP-11*** Collected: *04-20-10 12:11:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-007A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.12	10-26-4	Biochemical Oxygen Demand	Less Than 60.0	mg/L	1	4		04-22-10	04-27-10

Sample: ***1004481-09I EP12A*** Collected: *04-20-10 12:36:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-008A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.13	10-26-4	Biochemical Oxygen Demand	87.3	mg/L	1	4		04-22-10	04-27-10

ARS Analytical, LLC

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Cli[redacted] **HALL ENVIRONMENTAL**
Project: **1004481**
Order: **10040394 HAL03** Receipt: **04-21-10**

Sample: ***1004481-10I EP-12B*** Collected: *04-20-10 13:10:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-009A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.14	10-26-4	Biochemical Oxygen Demand	342	mg/L	1	4		04-22-10	04-27-10

Sample: ***1004481-11I EP-5*** Collected: *04-20-10 13:18:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-010A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.15	10-26-4	Biochemical Oxygen Demand	123	mg/L	1	4		04-22-10	04-27-10

Sample: ***1004481-12I EP-3*** Collected: *04-20-10 13:35:00* By:
Matrix: ***AQUEOUS***

QC [redacted]up	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-011A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.16	10-26-4	Biochemical Oxygen Demand	200	mg/L	1	4		04-22-10	04-27-10

Sample: ***1004481-13I EP-1*** Collected: *04-20-10 14:27:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Reporting Limit	Code	Prep Date	Run Date
10040394-012A		SM 5210B						By: JLE		
BOD100045	WC.2010.877.17	10-26-4	Biochemical Oxygen Demand	1080	mg/L	1	4		04-22-10	04-27-10

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Reporting Limit. Sample specific Reporting Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-001	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-02F / EP-2	**Sampling Time**	9:24 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00830	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-002	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-02G / EP-2	**Sampling Time**	9:24 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00480	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-003	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-02H / EP-2	**Sampling Time**	9:24 AM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	2060	mg/L	100	5/5/2010	JLU	EPA 410.4	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100423030
Project Name: 1004481

Analytical Results Report

Sample Number	100423030-004	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010 10:40 AM
Client Sample ID	1004481-03F / EP-4	**Sampling Time**	9:52 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00327	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-005	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-03G / EP-4	**Sampling Time**	9:52 AM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00292	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-006	***Sampling Date***	4/20/2010	***Date/Time Received***	4/23/2010	10:40 AM
Client Sample ID	1004481-03H / EP-4	**Sampling Time**	9:52 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	683	mg/L	50	5/5/2010	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-007	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010 10:40 AM
Client Sample ID	1004481-04F / EP-6	**Sampling Time**	10:22 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00185	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-008	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-04G / EP-6	**Sampling Time**	10:22 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00169	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1004481
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-009	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-04H / EP-6	**Sampling Time**	10:22 AM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	290	mg/L	25	5/5/2010	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-010	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010 10:40 AM
Client Sample ID	1004481-05F / EP-9	**Sampling Time**	10:50 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00220	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-011	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-05G / EP-9	**Sampling Time**	10:50 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00221	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-012	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-05H / EP-9	**Sampling Time**	10:50 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	760	mg/L	100	5/5/2010	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-013	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-06F / EP-8	**Sampling Time**	11:14 AM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00227	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-014	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-06G / EP-8	**Sampling Time**	11:14 AM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00166	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-015	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-06H / EP-8	**Sampling Time**	11:14 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	776	mg/L	50	5/5/2010	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-016	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	*1004481-07F / EP-7*	***Sampling Time***	11:42 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00225	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-017	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-07G / EP-7	**Sampling Time**	11:42 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00228	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100423030
Project Name: 1004481

Analytical Results Report

Sample Number	100423030-018	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-07H / EP-7	**Sampling Time**	11:42 AM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1010	mg/L	100	5/5/2010	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-019	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010 10:40 AM
Client Sample ID	1004481-08F / EP-11	**Sampling Time**	12:11 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00197	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100423030
Project Name: 1004481

Analytical Results Report

Sample Number	100423030-020	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-08G / EP-11	**Sampling Time**	12:11 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00211	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-021	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-08H / EP-11	**Sampling Time**	12:11 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	492	mg/L	50	5/5/2010	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-022	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-09F / EP-12A	**Sampling Time**	12:36 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00175	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-023	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010 10:40 AM
Client Sample ID	1004481-09G / EP-12A	**Sampling Time**	12:36 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00166	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-024	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-09H / EP-12A	**Sampling Time**	12:36 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	675	mg/L	100	5/5/2010	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-025	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-10F / EP-12B	**Sampling Time**	1:10 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00291	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1004481
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-026	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-10G / EP-12B	**Sampling Time**	1:10 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00297	mg/L	0.001	6/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1004481
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-027	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-10H / EP-12B	**Sampling Time**	1:10 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	1070	mg/L	100	5/5/2010	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-028	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010 10:40 AM
Client Sample ID	1004481-11F / EP-5	**Sampling Time**	1:18 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00571	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1004481
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-029	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010 10:40 AM
Client Sample ID	1004481-11G / EP-5	**Sampling Time**	1:18 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00271	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-030	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010 10:40 AM
Client Sample ID	1004481-11H / EP-5	**Sampling Time**	1:18 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	782	mg/L	100	5/5/2010	JLU	EPA 410.4	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100423030
Project Name: 1004481

Analytical Results Report

Sample Number	100423030-031	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-12F / EP-3	**Sampling Time**	1:35 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00326	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-032	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010 10:40 AM
Client Sample ID	1004481-12G / EP-3	**Sampling Time**	1:35 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00258	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-033	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-12H / EP-3	**Sampling Time**	1:35 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	771	mg/L	100	5/5/2010	JLU	EPA 410.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-034	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM	
Client Sample ID	1004481-13F / EP-1	**Sampling Time**	2:27 PM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00581	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-035	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010	10:40 AM
Client Sample ID	1004481-13G / EP-1	**Sampling Time**	2:27 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00442	mg/L	0.001	5/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100423030
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1004481
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100423030-036	**Sampling Date**	4/20/2010	**Date/Time Received**	4/23/2010 10:40 AM
Client Sample ID	1004481-13H / EP-1	**Sampling Time**	2:27 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
COD	2210	mg/L	100	5/5/2010	JLU	EPA 410.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R38328**	Analysis Date:	4/21/2010 7:39:49 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R38328**	Analysis Date:	4/22/2010 4:56:56 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R38480**	Analysis Date:	4/30/2010 5:40:53 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R38531**	Analysis Date:	5/3/2010 9:37:50 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R38531**	Analysis Date:	5/3/2010 6:37:31 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R38531**	Analysis Date:	5/3/2010 6:37:31 PM		
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R38562**	Analysis Date:	5/5/2010 10:49:10 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R38585**	Analysis Date:	5/6/2010 1:43:59 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R38585**	Analysis Date:	5/7/2010 7:08:35 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R38328**	Analysis Date:	4/21/2010 7:57:13 PM		
Fluoride	0.5208	mg/L	0.10	0.5	0	104	90	110			
Chloride	5.075	mg/L	0.50	5	0	101	90	110			
Nitrogen, Nitrite (As N)	1.009	mg/L	0.10	1	0	101	90	110			
Bromide	2.685	mg/L	0.10	2.5	0	107	90	110			
Nitrogen, Nitrate (As N)	2.631	mg/L	0.10	2.5	0	105	90	110			
Nitrate (As N)+Nitrite (As N)	3.639	mg/L	0.20	3.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.144	mg/L	0.50	5	0	103	90	110			
Sulfate	10.30	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38328**	Analysis Date:	4/22/2010 5:14:21 AM		
Fluoride	0.5009	mg/L	0.10	0.5	0	100	90	110			
Chloride	4.889	mg/L	0.50	5	0	97.8	90	110			
Nitrogen, Nitrite (As N)	0.9789	mg/L	0.10	1	0	97.9	90	110			
Bromide	2.583	mg/L	0.10	2.5	0	103	90	110			
Nitrogen, Nitrate (As N)	2.511	mg/L	0.10	2.5	0	100	90	110			
Nitrate (As N)+Nitrite (As N)	3.490	mg/L	0.20	3.5	0	99.7	90	110			
Phosphorus, Orthophosphate (As P)	4.877	mg/L	0.50	5	0	97.5	90	110			
Sulfate	9.954	mg/L	0.50	10	0	99.5	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38480**	Analysis Date:	4/30/2010 5:58:18 PM		
Chloride	5.182	mg/L	0.50	5	0.3025	97.6	90	110			
Nitrogen, Nitrite (As N)	1.035	mg/L	0.10	1	0	103	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R38480**	Analysis Date:	4/30/2010 5:58:18 PM		
Bromide	2.625	mg/L	0.10	2.5	0	105	90	110			
Nitrogen, Nitrate (As N)	2.658	mg/L	0.10	2.5	0	106	90	110			
Nitrate (As N)+Nitrite (As N)	3.693	mg/L	0.20	3.5	0	106	90	110			
Phosphorus, Orthophosphate (As P)	5.229	mg/L	0.50	5	0	105	90	110			
Sulfate	10.60	mg/L	0.50	10	0	106	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38531**	Analysis Date:	5/3/2010 9:55:14 AM		
Fluoride	0.4749	mg/L	0.10	0.5	0	95.0	90	110			
Chloride	4.751	mg/L	0.50	5	0	95.0	90	110			
Nitrogen, Nitrite (As N)	0.9327	mg/L	0.10	1	0	93.3	90	110			
Bromide	2.481	mg/L	0.10	2.5	0	99.2	90	110			
Nitrogen, Nitrate (As N)	2.455	mg/L	0.10	2.5	0	98.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.388	mg/L	0.20	3.5	0	96.8	90	110			
Phosphorus, Orthophosphate (As P)	4.676	mg/L	0.50	5	0	93.5	90	110			
Sulfate	9.734	mg/L	0.50	10	0	97.3	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38531**	Analysis Date:	5/3/2010 6:54:55 PM		
Fluoride	0.4988	mg/L	0.10	0.5	0	99.8	90	110			
Chloride	4.942	mg/L	0.50	5	0	98.8	90	110			
Nitrogen, Nitrite (As N)	0.9833	mg/L	0.10	1	0	98.3	90	110			
Bromide	2.591	mg/L	0.10	2.5	0	104	90	110			
Nitrogen, Nitrate (As N)	2.560	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.543	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	4.975	mg/L	0.50	5	0	99.5	90	110			
Sulfate	10.07	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38562**	Analysis Date:	5/5/2010 11:06:35 AM		
Fluoride	0.5083	mg/L	0.10	0.5	0	102	90	110			
Chloride	4.911	mg/L	0.50	5	0	98.2	90	110			
Bromide	2.560	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.497	mg/L	0.20	3.5	0	99.9	90	110			
Phosphorus, Orthophosphate (As P)	4.927	mg/L	0.50	5	0	98.5	90	110			
Sulfate	10.06	mg/L	0.50	10	0	101	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38685**	Analysis Date:	5/6/2010 2:01:24 PM		
Fluoride	0.5193	mg/L	0.10	0.5	0	104	90	110			
Chloride	5.022	mg/L	0.50	5	0	100	90	110			
Bromide	2.579	mg/L	0.10	2.5	0	103	90	110			
Nitrate (As N)+Nitrite (As N)	3.603	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	5.187	mg/L	0.50	5	0	104	90	110			
Sulfate	10.66	mg/L	0.50	10	0	107	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R38585**	Analysis Date:	5/7/2010 7:26:00 AM		
Fluoride	0.4924	mg/L	0.10	0.5	0	98.5	90	110			
Bromide	2.379	mg/L	0.10	2.5	0	95.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.353	mg/L	0.20	3.5	0	95.8	90	110			
Phosphorus, Orthophosphate (As P)	4.780	mg/L	0.50	5	0	95.6	90	110			
Sulfate	9.759	mg/L	0.50	10	0	97.6	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCSD		*LCSD*				Batch ID:	**R38585**		Analysis Date:		5/7/2010 12:10:46 AM
Fluoride	0.5370	mg/L	0.10	0.5	0	107	90	110	3.35	20	
Chloride	4.966	mg/L	0.50	5	0	99.3	90	110	1.12	20	
Bromide	2.544	mg/L	0.10	2.5	0	102	90	110	1.37	20	
Nitrate (As N)+Nitrite (As N)	3.565	mg/L	0.20	3.5	0	102	90	110	1.05	20	
Phosphorus, Orthophosphate (As P)	5.159	mg/L	0.50	5	0	103	90	110	0.539	20	
Sulfate	10.51	mg/L	0.50	10	0	105	90	110	1.43	20	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R38406**		**Analysis Date:**	**4/27/2010 9:17:56 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
				Batch ID: **R38406**		Analysis Date: 4/27/2010 9:17:56 AM					
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,[illegible]ichloropropane	ND	µg/L	2.0								
Vinyl[illegible]loride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b4		*MBLK*									
				Batch ID: **R38406**		Analysis Date: 4/26/2010 1:38:51 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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*					Batch ID: **R38405**		Analysis Date:	4/26/2010 1:38:51 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: b6		*MBLK*					Batch ID: **R38405**		Analysis Date:	4/26/2010 11:49:46 PM	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Cl Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Method: EPA Method 8260B: VOLATILES
Sample ID: b6 *MBLK* **Batch ID:** R38405 **Analysis Date:** 4/26/2010 11:49:46 PM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Ca[redacted]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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b6		*MBLK*									
				Batch ID: **R38405**				Analysis Date:	4/26/2010 11:49:46 PM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b8		*MBLK*									
				Batch ID: **R38406**				Analysis Date:	4/27/2010 11:35:09 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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b8		*MBLK*									
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
He[redacted]robutadiene	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: R38406 **Analysis Date:** 4/27/2010 11:35:09 PM

Batch ID: R38406 **Analysis Date:** 4/27/2010 10:46:41 AM

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R38406**	Analysis Date:		4/27/2010 10:46:41 AM	
Benzene	17.75	µg/L	1.0	20	0	88.7	82.4	116			
Toluene	20.13	µg/L	1.0	20	0	101	89.5	123			
Chlorobenzene	21.03	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	19.05	µg/L	1.0	20	0	95.2	90.3	138			
Trichloroethene (TCE)	18.02	µg/L	1.0	20	0	90.1	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R38405**	Analysis Date:		4/26/2010 1:11:12 PM	
Benzene	19.43	µg/L	1.0	20	0	97.1	82.4	116			
Toluene	20.51	µg/L	1.0	20	0	103	89.5	123			
Chlorobenzene	21.01	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	22.66	µg/L	1.0	20	0	113	90.3	138			
Trichloroethene (TCE)	17.43	µg/L	1.0	20	0	87.2	64	129			
Sample ID: 100ng lcs_b		*LCS*				*Batch ID:*	***R38405***	*Analysis Date:*		*4/27/2010 12:44:55 AM*	
Benzene	19.31	µg/L	1.0	20	0	96.6	82.4	116			
Toluene	20.27	µg/L	1.0	20	0	101	89.5	123			
Chlorobenzene	19.33	µg/L	1.0	20	0	96.6	87.8	120			
1,1-Dichloroethene	22.46	µg/L	1.0	20	0	112	90.3	138			
Trichloroethene (TCE)	17.45	µg/L	1.0	20	0	87.2	64	129			
Sample ID: 100ng lcs_b		*LCS*				Batch ID:	**R38406**	Analysis Date:		4/27/2010 11:05:56 PM	
Benzene	18.01	µg/L	1.0	20	0	90.0	82.4	116			
Toluene	19.75	µg/L	1.0	20	0	98.8	89.5	123			
Chlorobenzene	20.97	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	19.12	µg/L	1.0	20	0	95.6	90.3	138			
Trichloroethene (TCE)	17.50	µg/L	1.0	20	0	87.5	64	129			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-22038		*MBLK*					**Batch ID: 22038**		**Analysis Date: 4/29/2010 1:24:10 PM**		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-22038		*MBLK*				**Batch ID: 22038**		**Analysis Date:**	4/29/2010 1:24:10 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	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-22038		*LCS*				**Batch ID: 22038**		**Analysis Date:**	4/29/2010 1:54:03 PM		
Acenaphthene	76.74	µg/L	10	100	0	76.7	33.2	88.1			
4-Chloro-3-methylphenol	146.4	µg/L	10	200	0	73.2	26.5	101			
2-Chlorophenol	141.3	µg/L	10	200	0	70.7	27.5	88.7			
1,4-Dichlorobenzene	51.74	µg/L	10	100	0	51.7	27.2	74.1			
2,4-Dinitrotoluene	76.70	µg/L	10	100	0	76.7	32.6	107			
N-Nitrosodi-n-propylamine	65.56	µg/L	10	100	0	65.6	27.1	96.3			
4-Nitrophenol	80.04	µg/L	10	200	0	40.0	6.78	74.7			
Pentachlorophenol	144.7	µg/L	20	200	0	72.4	14.8	113			
Phenol	77.26	µg/L	10	200	0	38.6	17	53.4			
Pyrene	65.68	µg/L	10	100	0	65.7	27	96.3			
1,2,4-Trichlorobenzene	62.18	µg/L	10	100	0	62.2	30	77.9			
Sample ID: lcsd-22038		*LCSD*				**Batch ID: 22038**		**Analysis Date:**	4/29/2010 2:24:05 PM		
Acenaphthene	72.70	µg/L	10	100	0	72.7	33.2	88.1	5.41	30.5	
4-Chloro-3-methylphenol	141.4	µg/L	10	200	0	70.7	26.5	101	3.50	28.6	
2-Chlorophenol	133.3	µg/L	10	200	0	66.7	27.5	88.7	5.84	107	
1,4-Dichlorobenzene	43.58	µg/L	10	100	0	43.6	27.2	74.1	17.1	62.1	
2,4-Dinitrotoluene	77.46	µg/L	10	100	0	77.5	32.6	107	0.986	14.7	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Cl Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-22038		*LCSD*				Batch ID: **22038**		Analysis Date:		4/29/2010 2:24:05 PM	
N-Nitrosodi-n-propylamine	65.34	µg/L	10	100	0	65.3	27.1	96.3	0.336	30.3	
4-Nitrophenol	89.26	µg/L	10	200	0	44.6	6.78	74.7	10.9	36.3	
Pentachlorophenol	154.7	µg/L	20	200	0	77.3	14.8	113	6.64	49	
Phenol	78.38	µg/L	10	200	0	39.2	17	53.4	1.44	52.4	
Pyrene	64.12	µg/L	10	100	0	64.1	27	96.3	2.40	16.3	
1,2,4-Trichlorobenzene	51.52	µg/L	10	100	0	51.5	30	77.9	18.8	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-22022		*MBLK*				Batch ID: **22022**		Analysis Date:		4/22/2010 4:41:17 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-22022		*LCS*				Batch ID: **22022**		Analysis Date:		4/22/2010 4:43:07 PM	
Mercury	0.005084	mg/L	0.00020	0.005	1E-05	101	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: 1004481-02EMSD		*MSD*				Batch ID: **R38335**		Analysis Date:		4/22/2010 11:30:14 AM	
Arsenic	0.6025	mg/L	0.020	0.5	0	120	75	125	5.45	20	
Barium	0.5449	mg/L	0.020	0.5	0.0567	97.6	75	125	5.51	20	
Cadmium	0.5055	mg/L	0.0020	0.5	0	101	75	125	6.31	20	
Chromium	0.5113	mg/L	0.0060	0.5	0.0133	99.6	75	125	6.37	20	
Copper	0.5705	mg/L	0.0060	0.5	0	114	75	125	6.34	20	
Lead	0.4660	mg/L	0.0050	0.5	0.0042	92.4	75	125	5.59	20	
Manganese	0.8197	mg/L	0.0020	0.5	0.3381	96.3	75	125	4.22	20	
Silver	0.5193	mg/L	0.0050	0.5	0	104	75	125	5.94	20	
Zinc	0.6362	mg/L	0.050	0.5	0.1247	102	75	125	5.64	20	
Sample ID: 1004481-02EMSD		*MSD*				Batch ID: **R38335**		Analysis Date:		4/22/2010 1:07:59 PM	
Calcium	379.3	mg/L	5.0	252.5	131.6	98.1	75	125	11.2	20	
Magnesium	281.2	mg/L	5.0	252.5	35.19	97.4	75	125	13.4	20	
Potassium	352.3	mg/L	5.0	275	101.7	91.1	75	125	9.77	20	
Selenium	2.678	mg/L	0.25	2.5	0	107	75	125	4.62	20	
Sample ID: MB		*MBLK*				Batch ID: **R38335**		Analysis Date:		4/22/2010 10:17:36 AM	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: MB		*MBLK*				Batch ID: **R38347**		Analysis Date:		4/22/2010 4:58:30 PM	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID:**	**R38347**	**Analysis Date:**		4/22/2010 4:58:30 PM	
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				**Batch ID:**	**R38335**	**Analysis Date:**		4/22/2010 10:24:11 AM	
Arsenic	0.5239	mg/L	0.020	0.5	0	105	80	120			
Barium	0.4943	mg/L	0.020	0.5	0	98.9	80	120			
Cadmium	0.5146	mg/L	0.0020	0.5	0	103	80	120			
Calcium	54.67	mg/L	1.0	50.5	0	108	80	120			
Chromium	0.5086	mg/L	0.0060	0.5	0	102	80	120			
Copper	0.5232	mg/L	0.0060	0.5	0	105	80	120			
Iron	0.5046	mg/L	0.020	0.5	0	101	80	120			
Lead	0.5107	mg/L	0.0050	0.5	0	102	80	120			
Magnesium	54.67	mg/L	1.0	50.5	0	108	80	120			
Manganese	0.4951	mg/L	0.0020	0.5	0	99.0	80	120			
Potassium	56.83	mg/L	1.0	55	0.0638	103	80	120			
Selenium	0.5205	mg/L	0.050	0.5	0	104	80	120			
Silver	0.5098	mg/L	0.0050	0.5	0	102	80	120			
Sodium	53.73	mg/L	1.0	50.5	0.063	106	80	120			
Zinc	0.5110	mg/L	0.050	0.5	0	102	80	120			
Sample ID: LCS		*LCS*				**Batch ID:**	**R38347**	**Analysis Date:**		4/22/2010 5:01:39 PM	
Arsenic	0.4905	mg/L	0.020	0.5	0	98.1	80	120			
Barium	0.4807	mg/L	0.020	0.5	0	96.1	80	120			
Cadmium	0.4950	mg/L	0.0020	0.5	0	99.0	80	120			
Calcium	48.76	mg/L	1.0	50.5	0	96.6	80	120			
Chromium	0.4863	mg/L	0.0060	0.5	0	97.3	80	120			
Copper	0.5113	mg/L	0.0060	0.5	0	102	80	120			
Iron	0.5032	mg/L	0.020	0.5	0.0069	99.3	80	120			
Lead	0.4799	mg/L	0.0050	0.5	0	96.0	80	120			
Magnesium	49.30	mg/L	1.0	50.5	0	97.6	80	120			
Manganese	0.4809	mg/L	0.0020	0.5	0	96.2	80	120			
Potassium	51.53	mg/L	1.0	55	0	93.7	80	120			
Selenium	0.4888	mg/L	0.050	0.5	0	97.8	80	120			
Silver	0.5028	mg/L	0.0050	0.5	0	101	80	120			
Sodium	48.21	mg/L	1.0	50.5	0	95.5	80	120			
Zinc	0.4766	mg/L	0.050	0.5	0	95.3	80	120			
Sample ID: 1004481-02EMS		*MS*				**Batch ID:**	**R38335**	**Analysis Date:**		4/22/2010 11:26:15 AM	
Arsenic	0.6363	mg/L	0.020	0.5	0	127	75	125			S
Barium	0.5757	mg/L	0.020	0.5	0.0567	104	75	125			
Cadmium	0.5384	mg/L	0.0020	0.5	0	108	75	125			
Chromium	0.5460	mg/L	0.0060	0.5	0.0133	106	75	125			
Copper	0.6078	mg/L	0.0060	0.5	0	122	75	125			
Lead	0.4928	mg/L	0.0050	0.5	0.0042	97.7	75	125			
Manganese	0.8550	mg/L	0.0020	0.5	0.3381	103	75	125			
Silver	0.5511	mg/L	0.0050	0.5	0	110	75	125			
Zinc	0.6731	mg/L	0.050	0.5	0.1247	110	75	125			

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: 1004481-02EMS		*MS*				Batch ID:	**R38335**	Analysis Date:		4/22/2010 1:03:52 PM	
Calcium	424.3	mg/L	5.0	252.5	131.6	116	75	125			
Magnesium	321.6	mg/L	5.0	252.5	35.19	113	75	125			
Potassium	388.4	mg/L	5.0	275	101.7	104	75	125			
Selenium	2.805	mg/L	0.25	2.5	0	112	75	125			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-22039		*MBLK*				**Batch ID: 22039**		**Analysis Date: 4/26/2010 10:21:36 AM**			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-22039		*LCS*				**Batch ID: 22039**		**Analysis Date: 4/26/2010 10:24:38 AM**			
Arsenic	0.4965	mg/L	0.020	0.5	0	99.3	80	120			
Barium	0.4839	mg/L	0.020	0.5	0	96.8	80	120			
Cadmium	0.4910	mg/L	0.0020	0.5	0	98.2	80	120			
Calcium	50.36	mg/L	1.0	50	0	101	80	120			
Chromium	0.4920	mg/L	0.0060	0.5	0	98.4	80	120			
Copper	0.5291	mg/L	0.0060	0.5	0	106	80	120			
Iron	0.5061	mg/L	0.050	0.5	0	101	80	120			
Lead	0.4910	mg/L	0.0050	0.5	0	98.2	80	120			
Magnesium	50.75	mg/L	1.0	50	0	101	80	120			
Manganese	0.4861	mg/L	0.0020	0.5	0	97.2	80	120			
Potassium	52.93	mg/L	1.0	50	0	106	80	120			
Selenium	0.4794	mg/L	0.050	0.5	0	95.9	80	120			
Silver	0.4910	mg/L	0.0050	0.5	0	98.2	80	120			
Sodium	54.24	mg/L	1.0	50	0	108	80	120			
Zinc	0.4843	mg/L	0.020	0.5	0	96.9	80	120			
Sample ID: LCS-22039		*LCS*				**Batch ID: 22039**		**Analysis Date: 4/26/2010 10:27:38 AM**			
Arsenic	0.4985	mg/L	0.020	0.5	0	99.7	80	120			
Barium	0.4833	mg/L	0.020	0.5	0	96.7	80	120			
Cadmium	0.4890	mg/L	0.0020	0.5	0	97.8	80	120			
Calcium	51.30	mg/L	1.0	50	0	103	80	120			
Chromium	0.4920	mg/L	0.0060	0.5	0	98.4	80	120			
Copper	0.5276	mg/L	0.0060	0.5	0	106	80	120			
Iron	0.5020	mg/L	0.050	0.5	0	100	80	120			
Lead	0.4893	mg/L	0.0050	0.5	0	97.9	80	120			
Magnesium	51.50	mg/L	1.0	50	0	103	80	120			
Manganese	0.4848	mg/L	0.0020	0.5	0	97.0	80	120			
Potassium	53.74	mg/L	1.0	50	0	107	80	120			
Selenium	0.4758	mg/L	0.050	0.5	0	95.2	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup Ref
Project: Semi-Annual-Ponds **Work Order:** 1004481

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: LCS-22039		*LCS*				Batch ID:	**22039**	Analysis Date:	4/26/2010 10:27:38 AM		
Silver	0.4893	mg/L	0.0050	0.5	0	97.9	80	120			
Sodium	54.94	mg/L	1.0	50	0	110	80	120			
Zinc	0.4826	mg/L	0.020	0.5	0	96.5	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **4/21/2010**

Work Order Number **1004481** Received by: **AT**

Checklist completed by: _____ 4/21/10 Sample ID labels checked by: TJ

Signature Date Initials

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☑	N/A ☐	
Container/Temp Blank temperature?	5.6°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 6b

(<2 or >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1 ml HNO_3 to samples 1004481-13D, 06D, 12F & .4ml HNO_3 to samples 1004481-05G, 04G, 05E for acceptable ph. Vors on samples 1004481-05, 06 received with discolored septas. AD 4/21/10

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining
Gallup Refinery
Mailing Address: Rt 3 Box 7
Gallup, NM 87301
Phone #: 505 722-3833
email or Fax#: 505 722-0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Semi-Annual - Ponds

Project #: Ponds 1-12A

Project Manager: Cheryl Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 5.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1004181
4/20/10	0911	AQ	BW to EP2			1
	0924		EP-2			2
	0952		EP-4			3
	1022		EP-6			4
	1050		EP-9 *			5
	1114		EP-8			6
	1142		EP-7			7
	1211		EP-11			8
	1236		EP-12A			9
	1310		EP-12B			10
	1318		EP-5			11
	1335		EP-3			12

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals Total + Diss.	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen Chem	BOD / COD	10 QCM Metals Total + Diss.	Major Cations / Anions	Air Bubbles (Y or N)
														X	
						X			X	X	X	X	X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/20/10	1730			4/21/10	1315
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:
Gen Chem: Cations, Anions, pH, Conduct
* Pond 9 may contain biohazards.

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 Refinery
Gallup Refinery
Mailing Address: Rt 3 Box 7
Gallup NM 87301
Phone #: 505 722-3833
email or Fax#: 505 722-0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____
Project Name: Semi-Annual Ponds
Project #: Ponds 1-12B
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 5.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1004981	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals Total + D's	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Con Chem	BOD 1cod	WQCC Metals Total + Dis		Air Bubbles (Y or N)
4.20.10	1427	AQ	EP-1			13							X			X	X	X	X	X		
			Trip Blanks (5)			14																

Date: 4/20/10 Time: 1730 Relinquished by: C Johnson
Received by: Date 4/21/10 Time 1315
Date: Time: Relinquished by:
Received by: Date Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

E. Coli

COVER LETTER

Friday, April 23, 2010

Cheryl Johnson
Western Refining Southwest, Gallup Refinery
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Semi Annual Ponds

Order No.: 1004482

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 4/21/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

1109.3

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-01A

WSS ID:
Location:

Client Sample ID: EP-1
Collection Date: 4/21/2010 8:10:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 9:15:00 AM			Analyst: LBJ		
3000	Total Coliform	>2419.6		5		CFU/100ml	5
3014	E. Coli	>2419.6		5		CFU/100ml	5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-02A

WSS ID:
Location:

Client Sample ID: EP-2
Collection Date: 4/21/2010 8:05:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 9:15:00 AM		Analyst: LBJ			
3000	Total Coliform	>2419.6		5		CFU/100ml	5
3014	E. Coli	>2419.6		5		CFU/100ml	5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-03A

WSS ID:
Location:

Client Sample ID: EP-3
Collection Date: 4/21/2010 7:55:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 9:15:00 AM		Analyst: **LBJ**			
3000	Total Coliform	>2419.6		1		CFU/100ml	1
3014	E. Coli	100.6		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-04A

WSS ID:
Location:

Client Sample ID: EP-4
Collection Date: 4/21/2010 8:36:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 9:15:00 AM		Analyst: **LBJ**			
3000	Total Coliform	>2419.6		1		CFU/100ml	1
3014	E. Coli	<1		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-05A

WSS ID:
Location:

Client Sample ID: EP-5
Collection Date: 4/21/2010 7:58:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 9:15:00 AM			Analyst: **LBJ**		
3000	Total Coliform	>2419.6		2		CFU/100ml	2
3014	E. Coli	2.0		2		CFU/100ml	2

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-06A

WSS ID:
Location:

Client Sample ID: EP-6
Collection Date: 4/21/2010 8:32:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 9:15:00 AM		Analyst: **LBJ**			
3000	Total Coliform	>2419.6		1		CFU/100ml	1
3014	E. Coli	1.0		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-07A
WSS ID:
Location:

Client Sample ID: EP-7
Collection Date: 4/21/2010 8:12:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 12:20:00 PM		Analyst: LBJ			
3000	Total Coliform	96.0		1		CFU/100ml	1
3014	E. Coli	<1		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-08A

WSS ID:
Location:

Client Sample ID: EP-8
Collection Date: 4/21/2010 8:17:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 12:20:00 PM		Analyst: **LBJ**			
3000	*Total Coliform*	2.0		1		CFU/100ml	1
3014	E. Coli	<1		1		CFU/100ml	1

Qualifiers:			
*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-09A

WSS ID:
Location:

Client Sample ID: EP-9
Collection Date: 4/21/2010 8:28:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 12:20:00 PM		Analyst: LBJ			
3000	Total Coliform	85.5		1		CFU/100ml	1
3014	E. Coli	<1		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-10A

WSS ID:
Location:

Client Sample ID: EP-11
Collection Date: 4/21/2010 8:10:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 12:20:00 PM		Analyst: LBJ			
3000	Total Coliform	71.9		1		CFU/100ml	1
3014	E. Coli	<1		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-11A

WSS ID:
Location:

Client Sample ID: EP-12A
Collection Date: 4/21/2010 8:09:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B TOTAL COLIFORM MPN**	Date Analyzed: 4/23/2010 9:15:00 AM			Analyst: LBJ		
3000	Total Coliform	>2419.6		2		CFU/100ml	2
3014	E. Coli	47.6		2		CFU/100ml	2

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1004482
Facility: Semi Annual Ponds
Lab ID: 1004482-12A

WSS ID:
Location:

Client Sample ID: EP-12B
Collection Date: 4/21/2010 8:04:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 4/21/2010
Prep Date: 4/22/2010 8:30:00 AM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B TOTAL COLIFORM MPN	Date Analyzed: 4/23/2010 9:15:00 AM		Analyst: LBJ			
3000 Total Coliform	>2419.6		2		CFU/100ml	2
3014 E. Coli	1540.2		2		CFU/100ml	2

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 4/21/2010

Work Order Number 1004482 | Received by: AT

Checklist completed by: _____ 4/21/10 | Sample ID labels checked by: _____

Signature | Date | Initials

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace? No VOA vials submitted	☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	<2 >12 unless noted below.
Container/Temp Blank temperature?	5.6°	<6° C Acceptable If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refinery Gallup Refinery

Mailing Address: RT3 Box 7 Gallup, NM 87301

Phone #: 505 722-0210

email or Fax#: 505 722-3833

QA/QC Package:
- [X] Standard
- [ ] Level 4 (Full Validation)
- [ ] Other
- [ ] EDD (Type)

Turn-Around Time:
- [X] Standard
- [ ] Rush

Project Name: Semi Annual-Ponds

Project #: Ponds 1-12B

Project Manager: C Johnson

Sampler: C Johnson

On Ice: [X] Yes [ ] No

Sample Temperature: 5°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1004592	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	E Coli				Air Bubbles (Y or N)
4/21/10	AQ	0810	EP-1			-1												X				
		0805	EP-2			-2																
		0755	EP-3			-3																
		0836	EP-4			-4																
		0758	EP-5			-5																
		0832	EP-6			-6																
		0812	EP-7			-7																
		0817	EP-8			-8																
		0828	EP-9			-9																
		0810	EP-11			-10																
		0809	EP-12A			-11																
		0804	EP-12B			-12																

Date:	Time:	Relinquished by:	Received by:	Date	Time
4/21/10	1215			4/21/10	1215
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: E Coli - Methods 9221-E + 9221-F

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, September 01, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual

Order No.: 1008088

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 10 sample(s) on 8/3/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 1
Lab Order:	1008088	**Collection Date:**	8/2/2010 10:41:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	99	5.0		mg/L	50	8/19/2010 10:17:11 AM
Chloride	310	10		mg/L	20	8/19/2010 9:59:46 AM
Bromide	ND	2.0		mg/L	20	8/19/2010 9:59:46 AM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	8/21/2010 5:29:39 AM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	8/19/2010 9:59:46 AM
Sulfate	870	25		mg/L	50	8/19/2010 10:17:11 AM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	0.0016	0.00080		mg/L	1	8/10/2010 5:38:17 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Arsenic	ND	0.020		mg/L	1	8/6/2010 12:44:29 PM
Barium	0.072	0.020		mg/L	1	8/6/2010 12:44:29 PM
Cadmium	ND	0.0020		mg/L	1	8/6/2010 12:44:29 PM
Chromium	0.013	0.0060		mg/L	1	8/6/2010 12:44:29 PM
Copper	ND	0.0060		mg/L	1	8/6/2010 12:44:29 PM
Iron	2.5	0.10		mg/L	5	8/6/2010 12:47:27 PM
Lead	ND	0.0050		mg/L	1	8/6/2010 12:44:29 PM
Manganese	0.36	0.0020		mg/L	1	8/6/2010 12:44:29 PM
Selenium	ND	0.050		mg/L	1	8/6/2010 12:44:29 PM
Silver	ND	0.025		mg/L	5	8/6/2010 4:31:21 PM
Zinc	0.096	0.050		mg/L	1	8/6/2010 12:44:29 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Arsenic	ND	0.50		mg/L	5	8/11/2010 6:56:32 PM
Barium	ND	0.50		mg/L	5	8/11/2010 6:56:32 PM
Cadmium	ND	0.050		mg/L	5	8/11/2010 6:56:32 PM
Calcium	51	25		mg/L	5	8/11/2010 6:56:32 PM
Chromium	ND	0.15		mg/L	5	8/11/2010 6:56:32 PM
Copper	ND	0.15		mg/L	5	8/11/2010 6:56:32 PM
Iron	15	1.3		mg/L	5	8/11/2010 6:56:32 PM
Lead	ND	0.13		mg/L	5	8/11/2010 6:56:32 PM
Magnesium	ND	25		mg/L	5	8/11/2010 6:56:32 PM
Manganese	0.43	0.050		mg/L	5	8/11/2010 6:56:32 PM
Potassium	40	25		mg/L	5	8/11/2010 6:56:32 PM
Selenium	ND	1.3		mg/L	5	8/11/2010 6:56:32 PM
Silver	ND	0.13		mg/L	5	8/11/2010 6:56:32 PM
Sodium	750	25		mg/L	5	8/11/2010 6:56:32 PM
Zinc	ND	1.3		mg/L	5	8/11/2010 6:56:32 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 1
Lab Order:	1008088	**Collection Date:**	8/2/2010 10:41:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Toluene	7.7	5.0		µg/L	5	8/5/2010 3:32:30 PM
Ethylbenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,2,4-Trimethylbenzene	16	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Naphthalene	16	10		µg/L	5	8/5/2010 3:32:30 PM
1-Methylnaphthalene	44	20		µg/L	5	8/5/2010 3:32:30 PM
2-Methylnaphthalene	70	20		µg/L	5	8/5/2010 3:32:30 PM
Acetone	730	50		µg/L	5	8/5/2010 3:32:30 PM
Bromobenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Bromodichloromethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Bromoform	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Bromomethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
2-Butanone	86	50		µg/L	5	8/5/2010 3:32:30 PM
Carbon disulfide	ND	50		µg/L	5	8/5/2010 3:32:30 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Chlorobenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Chloroethane	ND	10		µg/L	5	8/5/2010 3:32:30 PM
Chloroform	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Chloromethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
2-Chlorotoluene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
4-Chlorotoluene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
cis-1,2-DCE	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	8/5/2010 3:32:30 PM
Dibromochloromethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Dibromomethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
2,2-Dichloropropane	ND	10		µg/L	5	8/5/2010 3:32:30 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 1
Lab Order:	1008088	**Collection Date:**	8/2/2010 10:41:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	50		µg/L	5	8/5/2010 3:32:30 PM
Isopropylbenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	8/5/2010 3:32:30 PM
Methylene Chloride	ND	15		µg/L	5	8/5/2010 3:32:30 PM
n-Butylbenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
n-Propylbenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
sec-Butylbenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Styrene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
tert-Butylbenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	8/5/2010 3:32:30 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
trans-1,2-DCE	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	8/5/2010 3:32:30 PM
Vinyl chloride	ND	5.0		µg/L	5	8/5/2010 3:32:30 PM
Xylenes, Total	ND	7.5		µg/L	5	8/5/2010 3:32:30 PM
Surr: 1,2-Dichloroethane-d4	101	54.6-141		%REC	5	8/5/2010 3:32:30 PM
Surr: 4-Bromofluorobenzene	130	60.1-133		%REC	5	8/5/2010 3:32:30 PM
Surr: Dibromofluoromethane	103	78.5-130		%REC	5	8/5/2010 3:32:30 PM
Surr: Toluene-d8	101	79.5-126		%REC	5	8/5/2010 3:32:30 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	3700	0.010		µmhos/cm	1	8/6/2010 1:13:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.68	0.1		pH units	1	8/6/2010 1:13:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2
Lab Order:	1008088	**Collection Date:**	8/2/2010 10:50:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	43	2.0		mg/L	20	8/21/2010 6:04:28 AM
Chloride	1600	50		mg/L	100	8/21/2010 6:39:17 AM
Bromide	ND	1.0		mg/L	10	8/21/2010 5:47:03 AM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	8/21/2010 6:21:52 AM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	8/21/2010 5:47:03 AM
Sulfate	970	50		mg/L	100	8/21/2010 6:39:17 AM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	8/10/2010 5:40:01 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Arsenic	ND	0.10		mg/L	5	8/6/2010 4:37:16 PM
Barium	ND	0.10		mg/L	5	8/6/2010 4:37:16 PM
Cadmium	ND	0.010		mg/L	5	8/6/2010 4:37:16 PM
Chromium	ND	0.030		mg/L	5	8/6/2010 4:37:16 PM
Copper	ND	0.030		mg/L	5	8/6/2010 4:37:16 PM
Iron	2.2	0.10		mg/L	5	8/6/2010 4:37:16 PM
Lead	ND	0.025		mg/L	5	8/6/2010 4:37:16 PM
Manganese	0.27	0.010		mg/L	5	8/6/2010 4:37:16 PM
Selenium	ND	0.25		mg/L	5	8/6/2010 4:37:16 PM
Silver	ND	0.025		mg/L	5	8/6/2010 4:37:16 PM
Zinc	0.36	0.25		mg/L	5	8/6/2010 4:37:16 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Arsenic	ND	0.20		mg/L	10	8/11/2010 6:59:24 PM
Barium	ND	0.20		mg/L	10	8/11/2010 6:59:24 PM
Cadmium	ND	0.020		mg/L	10	8/11/2010 6:59:24 PM
Calcium	150	10		mg/L	10	8/11/2010 6:59:24 PM
Chromium	ND	0.060		mg/L	10	8/11/2010 6:59:24 PM
Copper	ND	0.060		mg/L	10	8/11/2010 6:59:24 PM
Iron	2.4	0.50		mg/L	10	8/11/2010 6:59:24 PM
Lead	ND	0.050		mg/L	10	8/11/2010 6:59:24 PM
Magnesium	43	10		mg/L	10	8/11/2010 6:59:24 PM
Manganese	0.23	0.020		mg/L	10	8/11/2010 6:59:24 PM
Potassium	30	10		mg/L	10	8/11/2010 6:59:24 PM
Selenium	ND	0.50		mg/L	10	8/11/2010 6:59:24 PM
Silver	ND	0.050		mg/L	10	8/11/2010 6:59:24 PM
Sodium	1300	20		mg/L	20	8/13/2010 6:47:30 PM
Zinc	ND	0.50		mg/L	10	8/11/2010 6:59:24 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2
Lab Order:	1008088	**Collection Date:**	8/2/2010 10:50:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Toluene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Ethylbenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Naphthalene	ND	10		µg/L	5	8/5/2010 4:00:14 PM
1-Methylnaphthalene	ND	20		µg/L	5	8/5/2010 4:00:14 PM
2-Methylnaphthalene	ND	20		µg/L	5	8/5/2010 4:00:14 PM
Acetone	270	50		µg/L	5	8/5/2010 4:00:14 PM
Bromobenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Bromodichloromethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Bromoform	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Bromomethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
2-Butanone	ND	50		µg/L	5	8/5/2010 4:00:14 PM
Carbon disulfide	ND	50		µg/L	5	8/5/2010 4:00:14 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Chlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Chloroethane	ND	10		µg/L	5	8/5/2010 4:00:14 PM
Chloroform	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Chloromethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
2-Chlorotoluene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
4-Chlorotoluene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
cis-1,2-DCE	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	8/5/2010 4:00:14 PM
Dibromochloromethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Dibromomethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
2,2-Dichloropropane	ND	10		µg/L	5	8/5/2010 4:00:14 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2
Lab Order:	1008088	**Collection Date:**	8/2/2010 10:50:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	50		µg/L	5	8/5/2010 4:00:14 PM
Isopropylbenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	8/5/2010 4:00:14 PM
Methylene Chloride	ND	15		µg/L	5	8/5/2010 4:00:14 PM
n-Butylbenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
n-Propylbenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
sec-Butylbenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Styrene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
tert-Butylbenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	8/5/2010 4:00:14 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
trans-1,2-DCE	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	8/5/2010 4:00:14 PM
Vinyl chloride	ND	5.0		µg/L	5	8/5/2010 4:00:14 PM
Xylenes, Total	ND	7.5		µg/L	5	8/5/2010 4:00:14 PM
Surr: 1,2-Dichloroethane-d4	96.8	54.6-141		%REC	5	8/5/2010 4:00:14 PM
Surr: 4-Bromofluorobenzene	126	60.1-133		%REC	5	8/5/2010 4:00:14 PM
Surr: Dibromofluoromethane	105	78.5-130		%REC	5	8/5/2010 4:00:14 PM
Surr: Toluene-d8	99.2	79.5-126		%REC	5	8/5/2010 4:00:14 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	6400	0.010		µmhos/cm	1	8/6/2010 1:35:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.91	0.1		pH units	1	8/6/2010 1:35:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 4
Lab Order:	1008088	**Collection Date:**	8/2/2010 11:09:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	35	1.0		mg/L	10	8/21/2010 6:56:41 AM
Chloride	2500	100		mg/L	200	8/21/2010 7:31:30 AM
Bromide	1.3	0.50		mg/L	5	8/21/2010 7:48:55 AM
Nitrate (As N)+Nitrite (As N)	ND	10		mg/L	50	8/24/2010 2:06:09 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	8/21/2010 7:48:55 AM
Sulfate	1100	50		mg/L	100	8/21/2010 8:06:19 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	8/10/2010 5:41:46 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	8/6/2010 4:44:14 PM
Barium	0.11	0.10		mg/L	5	8/6/2010 4:44:14 PM
Cadmium	ND	0.010		mg/L	5	8/6/2010 4:44:14 PM
Chromium	ND	0.030		mg/L	5	8/6/2010 4:44:14 PM
Copper	ND	0.030		mg/L	5	8/6/2010 4:44:14 PM
Iron	1.0	0.10		mg/L	5	8/6/2010 4:44:14 PM
Lead	ND	0.025		mg/L	5	8/6/2010 4:44:14 PM
Manganese	0.33	0.010		mg/L	5	8/6/2010 4:44:14 PM
Selenium	ND	0.25		mg/L	5	8/6/2010 4:44:14 PM
Silver	ND	0.025		mg/L	5	8/6/2010 4:44:14 PM
Zinc	ND	0.25		mg/L	5	8/6/2010 4:44:14 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.20		mg/L	10	8/11/2010 7:04:02 PM
Barium	ND	0.20		mg/L	10	8/11/2010 7:04:02 PM
Cadmium	ND	0.020		mg/L	10	8/11/2010 7:04:02 PM
Calcium	240	10		mg/L	10	8/11/2010 7:04:02 PM
Chromium	ND	0.060		mg/L	10	8/11/2010 7:04:02 PM
Copper	ND	0.060		mg/L	10	8/11/2010 7:04:02 PM
Iron	0.76	0.50		mg/L	10	8/11/2010 7:04:02 PM
Lead	ND	0.050		mg/L	10	8/11/2010 7:04:02 PM
Magnesium	91	10		mg/L	10	8/11/2010 7:04:02 PM
Manganese	0.31	0.020		mg/L	10	8/11/2010 7:04:02 PM
Potassium	78	10		mg/L	10	8/11/2010 7:04:02 PM
Selenium	ND	0.50		mg/L	10	8/11/2010 7:04:02 PM
Silver	ND	0.050		mg/L	10	8/11/2010 7:04:02 PM
Sodium	1900	100		mg/L	100	8/19/2010 3:22:13 PM
Zinc	ND	0.50		mg/L	10	8/11/2010 7:04:02 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 4
Lab Order:	1008088	**Collection Date:**	8/2/2010 11:09:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Toluene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Naphthalene	ND	2.0		µg/L	1	8/4/2010 5:31:26 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 5:31:26 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 5:31:26 PM
Acetone	100	10		µg/L	1	8/4/2010 5:31:26 PM
Bromobenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Bromoform	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Bromomethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
2-Butanone	11	10		µg/L	1	8/4/2010 5:31:26 PM
Carbon disulfide	ND	10		µg/L	1	8/4/2010 5:31:26 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Chlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Chloroethane	ND	2.0		µg/L	1	8/4/2010 5:31:26 PM
Chloroform	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Chloromethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/4/2010 5:31:26 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Dibromomethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/4/2010 5:31:26 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 4
Lab Order:	1008088	**Collection Date:**	8/2/2010 11:09:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	8/4/2010 5:31:26 PM
Isopropylbenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/4/2010 5:31:26 PM
Methylene Chloride	ND	3.0		µg/L	1	8/4/2010 5:31:26 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Styrene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/4/2010 5:31:26 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/4/2010 5:31:26 PM
Vinyl chloride	ND	1.0		µg/L	1	8/4/2010 5:31:26 PM
Xylenes, Total	ND	1.5		µg/L	1	8/4/2010 5:31:26 PM
Surr: 1,2-Dichloroethane-d4	97.0	54.6-141		%REC	1	8/4/2010 5:31:26 PM
Surr: 4-Bromofluorobenzene	131	60.1-133		%REC	1	8/4/2010 5:31:26 PM
Surr: Dibromofluoromethane	100	78.5-130		%REC	1	8/4/2010 5:31:26 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	8/4/2010 5:31:26 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: NSB
Specific Conductance	8700	0.010		µmhos/cm	1	8/6/2010 1:52:00 PM
SM4500-H+B: PH						Analyst: NSB
pH	7.89	0.1		pH units	1	8/6/2010 1:52:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 5
Lab Order:	1008088	**Collection Date:**	8/2/2010 11:46:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	39	2.0		mg/L	20	8/7/2010 4:28:02 AM
Chloride	4800	250		mg/L	500	8/12/2010 7:03:20 PM
Bromide	2.0	0.50		mg/L	5	8/7/2010 4:10:37 AM
Nitrate (As N)+Nitrite (As N)	ND	10		mg/L	50	8/21/2010 8:58:33 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	8/12/2010 6:28:32 PM
Sulfate	1300	25		mg/L	50	8/12/2010 6:45:56 PM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	8/10/2010 5:47:13 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Arsenic	ND	0.10		mg/L	5	8/6/2010 4:52:51 PM
Barium	0.11	0.10		mg/L	5	8/6/2010 4:52:51 PM
Cadmium	ND	0.010		mg/L	5	8/6/2010 4:52:51 PM
Chromium	ND	0.030		mg/L	5	8/6/2010 4:52:51 PM
Copper	ND	0.030		mg/L	5	8/6/2010 4:52:51 PM
Iron	0.42	0.10		mg/L	5	8/6/2010 4:52:51 PM
Lead	ND	0.025		mg/L	5	8/6/2010 4:52:51 PM
Manganese	0.30	0.010		mg/L	5	8/6/2010 4:52:51 PM
Selenium	ND	0.25		mg/L	5	8/6/2010 4:52:51 PM
Silver	ND	0.025		mg/L	5	8/6/2010 4:52:51 PM
Zinc	ND	0.25		mg/L	5	8/6/2010 4:52:51 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Arsenic	ND	0.20		mg/L	10	8/11/2010 7:07:59 PM
Barium	ND	0.20		mg/L	10	8/11/2010 7:07:59 PM
Cadmium	ND	0.020		mg/L	10	8/11/2010 7:07:59 PM
Calcium	300	10		mg/L	10	8/11/2010 7:07:59 PM
Chromium	ND	0.060		mg/L	10	8/11/2010 7:07:59 PM
Copper	ND	0.060		mg/L	10	8/11/2010 7:07:59 PM
Iron	ND	0.50		mg/L	10	8/11/2010 7:07:59 PM
Lead	ND	0.050		mg/L	10	8/11/2010 7:07:59 PM
Magnesium	130	10		mg/L	10	8/11/2010 7:07:59 PM
Manganese	0.089	0.020		mg/L	10	8/11/2010 7:07:59 PM
Potassium	110	10		mg/L	10	8/11/2010 7:07:59 PM
Selenium	ND	0.50		mg/L	10	8/11/2010 7:07:59 PM
Silver	ND	0.050		mg/L	10	8/11/2010 7:07:59 PM
Sodium	3100	100		mg/L	100	8/19/2010 3:25:06 PM
Zinc	ND	0.50		mg/L	10	8/11/2010 7:07:59 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 5
Lab Order:	1008088	**Collection Date:**	8/2/2010 11:46:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Toluene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Naphthalene	ND	2.0		µg/L	1	8/4/2010 5:59:11 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 5:59:11 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 5:59:11 PM
Acetone	45	10		µg/L	1	8/4/2010 5:59:11 PM
Bromobenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Bromoform	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Bromomethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
2-Butanone	ND	10		µg/L	1	8/4/2010 5:59:11 PM
Carbon disulfide	ND	10		µg/L	1	8/4/2010 5:59:11 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Chlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Chloroethane	ND	2.0		µg/L	1	8/4/2010 5:59:11 PM
Chloroform	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Chloromethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/4/2010 5:59:11 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Dibromomethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/4/2010 5:59:11 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 5
Lab Order:	1008088	**Collection Date:**	8/2/2010 11:46:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	8/4/2010 5:59:11 PM
Isopropylbenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/4/2010 5:59:11 PM
Methylene Chloride	ND	3.0		µg/L	1	8/4/2010 5:59:11 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Styrene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/4/2010 5:59:11 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/4/2010 5:59:11 PM
Vinyl chloride	ND	1.0		µg/L	1	8/4/2010 5:59:11 PM
Xylenes, Total	ND	1.5		µg/L	1	8/4/2010 5:59:11 PM
Surr: 1,2-Dichloroethane-d4	96.7	54.6-141		%REC	1	8/4/2010 5:59:11 PM
Surr: 4-Bromofluorobenzene	120	60.1-133		%REC	1	8/4/2010 5:59:11 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	1	8/4/2010 5:59:11 PM
Surr: Toluene-d8	102	79.5-126		%REC	1	8/4/2010 5:59:11 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **BDH**
Specific Conductance	20000	0.50		µmhos/cm	50	8/9/2010 6:17:30 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.97	0.1		pH units	1	8/6/2010 2:29:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 6
Lab Order:	1008088	**Collection Date:**	8/2/2010 1:29:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	21	1.0		mg/L	10	8/21/2010 9:33:22 AM
Chloride	7400	500		mg/L	1000	8/21/2010 10:25:36 AM
Bromide	2.1	0.50		mg/L	5	8/21/2010 9:15:58 AM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	8/21/2010 10:08:11 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	8/21/2010 9:15:58 AM
Sulfate	1500	50		mg/L	100	8/21/2010 9:50:47 AM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	8/10/2010 5:48:58 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Arsenic	ND	0.10		mg/L	5	8/6/2010 5:19:28 PM
Barium	ND	0.10		mg/L	5	8/6/2010 5:19:28 PM
Cadmium	ND	0.010		mg/L	5	8/6/2010 5:19:28 PM
Chromium	ND	0.030		mg/L	5	8/6/2010 5:19:28 PM
Copper	ND	0.030		mg/L	5	8/6/2010 5:19:28 PM
Iron	0.033	0.020		mg/L	1	8/9/2010 6:04:51 PM
Lead	ND	0.025		mg/L	5	8/6/2010 5:19:28 PM
Manganese	0.045	0.010		mg/L	5	8/6/2010 5:19:28 PM
Selenium	ND	0.25		mg/L	5	8/6/2010 5:19:28 PM
Silver	ND	0.025		mg/L	5	8/6/2010 5:19:28 PM
Zinc	ND	0.25		mg/L	5	8/6/2010 5:19:28 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Arsenic	ND	0.20		mg/L	10	8/19/2010 3:31:57 PM
Barium	ND	0.20		mg/L	10	8/11/2010 7:11:58 PM
Cadmium	ND	0.020		mg/L	10	8/11/2010 7:11:58 PM
Calcium	150	10		mg/L	10	8/11/2010 7:11:58 PM
Chromium	ND	0.060		mg/L	10	8/11/2010 7:11:58 PM
Copper	ND	0.060		mg/L	10	8/11/2010 7:11:58 PM
Iron	ND	0.50		mg/L	10	8/11/2010 7:11:58 PM
Lead	ND	0.050		mg/L	10	8/11/2010 7:11:58 PM
Magnesium	650	10		mg/L	10	8/11/2010 7:11:58 PM
Manganese	4.8	0.020		mg/L	10	8/11/2010 7:11:58 PM
Potassium	910	10		mg/L	10	8/11/2010 7:11:58 PM
Selenium	ND	0.50		mg/L	10	8/11/2010 7:11:58 PM
Silver	ND	0.050		mg/L	10	8/11/2010 7:11:58 PM
Sodium	4800	200		mg/L	200	8/19/2010 3:35:53 PM
Zinc	ND	0.50		mg/L	10	8/11/2010 7:11:58 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 6
Lab Order:	1008088	**Collection Date:**	8/2/2010 1:29:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Toluene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Naphthalene	ND	2.0		µg/L	1	8/4/2010 6:26:54 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 6:26:54 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 6:26:54 PM
Acetone	20	10		µg/L	1	8/4/2010 6:26:54 PM
Bromobenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Bromoform	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
[redacted]omomethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
[redacted]-Butanone	ND	10		µg/L	1	8/4/2010 6:26:54 PM
Carbon disulfide	ND	10		µg/L	1	8/4/2010 6:26:54 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Chlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Chloroethane	ND	2.0		µg/L	1	8/4/2010 6:26:54 PM
Chloroform	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Chloromethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/4/2010 6:26:54 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Dibromomethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/4/2010 6:26:54 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 6
Lab Order:	1008088	**Collection Date:**	8/2/2010 1:29:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	8/4/2010 6:26:54 PM
Isopropylbenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/4/2010 6:26:54 PM
Methylene Chloride	ND	3.0		µg/L	1	8/4/2010 6:26:54 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Styrene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/4/2010 6:26:54 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/4/2010 6:26:54 PM
Vinyl chloride	ND	1.0		µg/L	1	8/4/2010 6:26:54 PM
Xylenes, Total	ND	1.5		µg/L	1	8/4/2010 6:26:54 PM
Surr: 1,2-Dichloroethane-d4	94.4	54.6-141		%REC	1	8/4/2010 6:26:54 PM
Surr: 4-Bromofluorobenzene	116	60.1-133		%REC	1	8/4/2010 6:26:54 PM
Surr: Dibromofluoromethane	100	78.5-130		%REC	1	8/4/2010 6:26:54 PM
Surr: Toluene-d8	98.2	79.5-126		%REC	1	8/4/2010 6:26:54 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **BDH**
Specific Conductance	27000	0.50		µmhos/cm	50	8/9/2010 6:19:24 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.33	0.1		pH units	1	8/6/2010 2:29:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 8
Lab Order:	1008088	**Collection Date:**	8/2/2010 1:51:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	43	5.0		mg/L	50	8/24/2010 2:23:34 AM
Chloride	110000	5000		mg/L	10000	8/24/2010 3:25:42 PM
Bromide	78	2.0		mg/L	20	8/7/2010 5:02:51 AM
Nitrate (As N)+Nitrite (As N)	ND	100		mg/L	500	8/15/2010 2:16:18 AM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	8/12/2010 7:20:45 PM
Sulfate	22000	2500		mg/L	5000	8/12/2010 7:55:33 PM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	8/10/2010 5:50:44 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Arsenic	0.77	0.40		mg/L	20	8/9/2010 6:56:40 PM
Barium	ND	0.40		mg/L	20	8/9/2010 6:56:40 PM
Cadmium	ND	0.040		mg/L	20	8/9/2010 6:56:40 PM
Chromium	ND	0.12		mg/L	20	8/9/2010 6:56:40 PM
Copper	ND	0.12		mg/L	20	8/9/2010 6:56:40 PM
Iron	ND	0.20		mg/L	10	8/10/2010 5:26:04 PM
Lead	ND	0.10		mg/L	20	8/9/2010 6:56:40 PM
Manganese	22	0.10		mg/L	50	8/10/2010 5:31:36 PM
Selenium	ND	1.0		mg/L	20	8/9/2010 6:56:40 PM
Silver	ND	0.10		mg/L	20	8/9/2010 6:56:40 PM
Zinc	ND	1.0		mg/L	20	8/9/2010 6:56:40 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Arsenic	ND	1.0		mg/L	50	8/19/2010 3:40:20 PM
Barium	ND	1.0		mg/L	50	8/19/2010 3:40:20 PM
Cadmium	ND	0.10		mg/L	50	8/19/2010 3:40:20 PM
Calcium	760	50		mg/L	50	8/19/2010 3:40:20 PM
Chromium	ND	0.30		mg/L	50	8/19/2010 3:40:20 PM
Copper	ND	0.30		mg/L	50	8/19/2010 3:40:20 PM
Iron	ND	2.5		mg/L	50	8/19/2010 3:40:20 PM
Lead	ND	0.25		mg/L	50	8/19/2010 3:40:20 PM
Magnesium	3300	50		mg/L	50	8/19/2010 3:40:20 PM
Manganese	24	0.10		mg/L	50	8/19/2010 3:40:20 PM
Potassium	4600	50		mg/L	50	8/19/2010 3:40:20 PM
Selenium	ND	2.5		mg/L	50	8/19/2010 3:40:20 PM
Silver	ND	0.25		mg/L	50	8/19/2010 3:40:20 PM
Sodium	55000	1000		mg/L	1000	8/13/2010 7:08:41 PM
Zinc	ND	2.5		mg/L	50	8/19/2010 3:40:20 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 8
Lab Order:	1008088	**Collection Date:**	8/2/2010 1:51:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Toluene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Naphthalene	ND	2.0		µg/L	1	8/4/2010 6:54:34 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 6:54:34 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 6:54:34 PM
Acetone	66	10		µg/L	1	8/4/2010 6:54:34 PM
Bromobenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Bromoform	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Bromomethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
2-Butanone	ND	10		µg/L	1	8/4/2010 6:54:34 PM
Carbon disulfide	ND	10		µg/L	1	8/4/2010 6:54:34 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Chlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Chloroethane	ND	2.0		µg/L	1	8/4/2010 6:54:34 PM
Chloroform	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Chloromethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/4/2010 6:54:34 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Dibromomethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/4/2010 6:54:34 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 8
Lab Order:	1008088	**Collection Date:**	8/2/2010 1:51:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	8/4/2010 6:54:34 PM
Isopropylbenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/4/2010 6:54:34 PM
Methylene Chloride	ND	3.0		µg/L	1	8/4/2010 6:54:34 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Styrene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/4/2010 6:54:34 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/4/2010 6:54:34 PM
Vinyl chloride	ND	1.0		µg/L	1	8/4/2010 6:54:34 PM
Xylenes, Total	ND	1.5		µg/L	1	8/4/2010 6:54:34 PM
Surr: 1,2-Dichloroethane-d4	99.8	54.6-141		%REC	1	8/4/2010 6:54:34 PM
Surr: 4-Bromofluorobenzene	122	60.1-133		%REC	1	8/4/2010 6:54:34 PM
Surr: Dibromofluoromethane	97.7	78.5-130		%REC	1	8/4/2010 6:54:34 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	8/4/2010 6:54:34 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: BDH
Specific Conductance	300000	0.50		µmhos/cm	50	8/9/2010 6:21:16 PM
SM4500-H+B: PH						Analyst: NSB
pH	6.21	0.1		pH units	1	8/6/2010 2:37:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 7
Lab Order:	1008088	**Collection Date:**	8/2/2010 2:09:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	18	10		mg/L	100	8/7/2010 5:55:05 AM
Chloride	62000	2500		mg/L	5000	8/12/2010 8:30:23 PM
Bromide	27	10		mg/L	100	8/7/2010 5:55:05 AM
Nitrate (As N)+Nitrite (As N)	ND	200		mg/L	1000	8/15/2010 2:33:43 AM
Phosphorus, Orthophosphate (As P)	ND	50	H	mg/L	100	8/12/2010 8:12:58 PM
Sulfate	11000	250		mg/L	500	8/7/2010 6:12:29 AM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	8/10/2010 5:52:30 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Arsenic	ND	0.40		mg/L	20	8/9/2010 7:00:38 PM
Barium	ND	0.40		mg/L	20	8/9/2010 7:00:38 PM
Cadmium	ND	0.040		mg/L	20	8/9/2010 7:00:38 PM
Chromium	ND	0.12		mg/L	20	8/9/2010 7:00:38 PM
Copper	ND	0.12		mg/L	20	8/9/2010 7:00:38 PM
Iron	ND	0.20		mg/L	10	8/10/2010 5:34:08 PM
Lead	ND	0.10		mg/L	20	8/9/2010 7:00:38 PM
Manganese	3.4	0.040		mg/L	20	8/9/2010 7:00:38 PM
Selenium	ND	1.0		mg/L	20	8/9/2010 7:00:38 PM
Silver	ND	0.10		mg/L	20	8/9/2010 7:00:38 PM
Zinc	ND	1.0		mg/L	20	8/9/2010 7:00:38 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Arsenic	ND	1.0		mg/L	50	8/16/2010 11:09:59 AM
Barium	ND	1.0		mg/L	50	8/16/2010 11:09:59 AM
Cadmium	ND	0.10		mg/L	50	8/16/2010 11:09:59 AM
Calcium	790	50		mg/L	50	8/16/2010 11:09:59 AM
Chromium	ND	0.30		mg/L	50	8/16/2010 11:09:59 AM
Copper	ND	0.30		mg/L	50	8/16/2010 11:09:59 AM
Iron	ND	2.5		mg/L	50	8/16/2010 11:09:59 AM
Lead	ND	0.25		mg/L	50	8/16/2010 11:09:59 AM
Magnesium	1500	50		mg/L	50	8/16/2010 11:09:59 AM
Manganese	3.9	0.10		mg/L	50	8/16/2010 11:09:59 AM
Potassium	1500	50		mg/L	50	8/16/2010 11:09:59 AM
Selenium	ND	2.5		mg/L	50	8/16/2010 11:09:59 AM
Silver	ND	0.25		mg/L	50	8/16/2010 11:09:59 AM
Sodium	33000	500		mg/L	500	8/16/2010 11:19:10 AM
Zinc	ND	2.5		mg/L	50	8/16/2010 11:09:59 AM
EPA METHOD 8260B: VOLATILES						Analyst: HL

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 7
Lab Order:	1008088	**Collection Date:**	8/2/2010 2:09:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Toluene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,2,4-Trimethylbenzene	1.1	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Naphthalene	ND	2.0		µg/L	1	8/4/2010 7:22:15 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 7:22:15 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 7:22:15 PM
Acetone	61	10		µg/L	1	8/4/2010 7:22:15 PM
Bromobenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Bromoform	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Bromomethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
2-Butanone	ND	10		µg/L	1	8/4/2010 7:22:15 PM
Carbon disulfide	ND	10		µg/L	1	8/4/2010 7:22:15 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Chlorobenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Chloroethane	ND	2.0		µg/L	1	8/4/2010 7:22:15 PM
Chloroform	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Chloromethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/4/2010 7:22:15 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Dibromomethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/4/2010 7:22:15 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 7
Lab Order:	1008088	**Collection Date:**	8/2/2010 2:09:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	8/4/2010 7:22:15 PM
Isopropylbenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/4/2010 7:22:15 PM
Methylene Chloride	ND	3.0		µg/L	1	8/4/2010 7:22:15 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Styrene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/4/2010 7:22:15 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/4/2010 7:22:15 PM
Vinyl chloride	ND	1.0		µg/L	1	8/4/2010 7:22:15 PM
Xylenes, Total	ND	1.5		µg/L	1	8/4/2010 7:22:15 PM
Surr: 1,2-Dichloroethane-d4	100	54.6-141		%REC	1	8/4/2010 7:22:15 PM
Surr: 4-Bromofluorobenzene	110	60.1-133		%REC	1	8/4/2010 7:22:15 PM
Surr: Dibromofluoromethane	100	78.5-130		%REC	1	8/4/2010 7:22:15 PM
Surr: Toluene-d8	99.4	79.5-126		%REC	1	8/4/2010 7:22:15 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: BDH
Specific Conductance	180000	0.50		µmhos/cm	50	8/9/2010 6:23:11 PM
SM4500-H+B: PH						Analyst: NSB
pH	7.41	0.1		pH units	1	8/6/2010 2:41:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

[redacted]all Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 3
Lab Order:	1008088	**Collection Date:**	8/2/2010 2:38:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	41	2.0		mg/L	20	8/7/2010 6:47:18 AM
Chloride	2800	100		mg/L	200	8/12/2010 9:05:13 PM
Bromide	1.2	0.50		mg/L	5	8/7/2010 6:29:54 AM
Nitrate (As N)+Nitrite (As N)	ND	10		mg/L	50	8/15/2010 1:58:54 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	8/12/2010 8:47:48 PM
Sulfate	1100	50		mg/L	100	8/7/2010 7:04:43 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	8/10/2010 6:54:17 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	8/6/2010 6:05:18 PM
Barium	0.12	0.020		mg/L	1	8/6/2010 5:46:45 PM
Cadmium	ND	0.0020		mg/L	1	8/6/2010 5:46:45 PM
Chromium	0.0093	0.0060		mg/L	1	8/6/2010 5:46:45 PM
[redacted]opper	ND	0.0060		mg/L	1	8/6/2010 5:46:45 PM
[redacted]ron	1.8	0.10		mg/L	5	8/10/2010 5:36:32 PM
Lead	ND	0.0050		mg/L	1	8/6/2010 5:46:45 PM
Manganese	0.37	0.0020		mg/L	1	8/6/2010 5:46:45 PM
Selenium	ND	0.050		mg/L	1	8/6/2010 5:46:45 PM
Silver	ND	0.0050		mg/L	1	8/6/2010 5:46:45 PM
Zinc	ND	0.050		mg/L	1	8/6/2010 5:46:45 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.20		mg/L	10	8/16/2010 11:06:44 AM
Barium	ND	0.20		mg/L	10	8/16/2010 11:06:44 AM
Cadmium	ND	0.020		mg/L	10	8/16/2010 11:06:44 AM
Calcium	210	10		mg/L	10	8/16/2010 11:06:44 AM
Chromium	ND	0.060		mg/L	10	8/16/2010 11:06:44 AM
Copper	ND	0.060		mg/L	10	8/16/2010 11:06:44 AM
Iron	3.0	0.50		mg/L	10	8/16/2010 11:06:44 AM
Lead	ND	0.050		mg/L	10	8/16/2010 11:06:44 AM
Magnesium	65	10		mg/L	10	8/16/2010 11:06:44 AM
Manganese	0.38	0.020		mg/L	10	8/16/2010 11:06:44 AM
Potassium	51	10		mg/L	10	8/16/2010 11:06:44 AM
Selenium	ND	0.50		mg/L	10	8/16/2010 11:06:44 AM
Silver	ND	0.050		mg/L	10	8/16/2010 11:06:44 AM
Sodium	1900	50		mg/L	50	8/16/2010 11:15:53 AM
Zinc	ND	0.50		mg/L	10	8/16/2010 11:06:44 AM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**

[redacted]ualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 3
Lab Order:	1008088	**Collection Date:**	8/2/2010 2:38:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Toluene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Ethylbenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Naphthalene	ND	10		µg/L	5	8/5/2010 4:27:58 PM
1-Methylnaphthalene	ND	20		µg/L	5	8/5/2010 4:27:58 PM
2-Methylnaphthalene	ND	20		µg/L	5	8/5/2010 4:27:58 PM
Acetone	220	50		µg/L	5	8/5/2010 4:27:58 PM
Bromobenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Bromodichloromethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Bromoform	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Bromomethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
2-Butanone	ND	50		µg/L	5	8/5/2010 4:27:58 PM
Carbon disulfide	ND	50		µg/L	5	8/5/2010 4:27:58 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Chlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Chloroethane	ND	10		µg/L	5	8/5/2010 4:27:58 PM
Chloroform	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Chloromethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
2-Chlorotoluene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
4-Chlorotoluene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
cis-1,2-DCE	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	8/5/2010 4:27:58 PM
Dibromochloromethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Dibromomethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
2,2-Dichloropropane	ND	10		µg/L	5	8/5/2010 4:27:58 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

[redacted] Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 3
Lab Order:	1008088	**Collection Date:**	8/2/2010 2:38:00 PM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	50		µg/L	5	8/5/2010 4:27:58 PM
Isopropylbenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	8/5/2010 4:27:58 PM
Methylene Chloride	ND	15		µg/L	5	8/5/2010 4:27:58 PM
n-Butylbenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
n-Propylbenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
sec-Butylbenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Styrene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
tert-Butylbenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	8/5/2010 4:27:58 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
trans-1,2-DCE	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
[redacted]2,3-Trichlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
[redacted]1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	8/5/2010 4:27:58 PM
Vinyl chloride	ND	5.0		µg/L	5	8/5/2010 4:27:58 PM
Xylenes, Total	ND	7.5		µg/L	5	8/5/2010 4:27:58 PM
Surr: 1,2-Dichloroethane-d4	95.0	54.6-141		%REC	5	8/5/2010 4:27:58 PM
Surr: 4-Bromofluorobenzene	123	60.1-133		%REC	5	8/5/2010 4:27:58 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	5	8/5/2010 4:27:58 PM
Surr: Toluene-d8	103	79.5-126		%REC	5	8/5/2010 4:27:58 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	9000	0.010		µmhos/cm	1	8/6/2010 2:45:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.76	0.1		pH units	1	8/6/2010 2:45:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1008088	**Collection Date:**	8/3/2010 7:30:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Toluene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Naphthalene	ND	2.0		µg/L	1	8/4/2010 9:12:34 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 9:12:34 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 9:12:34 PM
Acetone	ND	10		µg/L	1	8/4/2010 9:12:34 PM
Bromobenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Bromoform	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Bromomethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
2-Butanone	ND	10		µg/L	1	8/4/2010 9:12:34 PM
Carbon disulfide	ND	10		µg/L	1	8/4/2010 9:12:34 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Chlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Chloroethane	ND	2.0		µg/L	1	8/4/2010 9:12:34 PM
Chloroform	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Chloromethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/4/2010 9:12:34 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Dibromomethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/4/2010 9:12:34 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1008088	**Collection Date:**	8/3/2010 7:30:00 AM
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	8/4/2010 9:12:34 PM
Isopropylbenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/4/2010 9:12:34 PM
Methylene Chloride	ND	3.0		µg/L	1	8/4/2010 9:12:34 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Styrene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/4/2010 9:12:34 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/4/2010 9:12:34 PM
Vinyl chloride	ND	1.0		µg/L	1	8/4/2010 9:12:34 PM
Xylenes, Total	ND	1.5		µg/L	1	8/4/2010 9:12:34 PM
Surr: 1,2-Dichloroethane-d4	99.1	54.6-141		%REC	1	8/4/2010 9:12:34 PM
Surr: 4-Bromofluorobenzene	112	60.1-133		%REC	1	8/4/2010 9:12:34 PM
Surr: Dibromofluoromethane	102	78.5-130		%REC	1	8/4/2010 9:12:34 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	8/4/2010 9:12:34 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1008088	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-10	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Toluene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Naphthalene	ND	2.0		µg/L	1	8/4/2010 9:40:05 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 9:40:05 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/4/2010 9:40:05 PM
Acetone	ND	10		µg/L	1	8/4/2010 9:40:05 PM
Bromobenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Bromoform	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Bromomethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
2-Butanone	ND	10		µg/L	1	8/4/2010 9:40:05 PM
Carbon disulfide	ND	10		µg/L	1	8/4/2010 9:40:05 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Chlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Chloroethane	ND	2.0		µg/L	1	8/4/2010 9:40:05 PM
Chloroform	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Chloromethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/4/2010 9:40:05 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Dibromomethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/4/2010 9:40:05 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

[redacted]ll Environmental Analysis Laboratory, Inc.

Date: *01-Sep-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1008088	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	8/3/2010
Lab ID:	1008088-10	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	8/4/2010 9:40:05 PM
Isopropylbenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/4/2010 9:40:05 PM
Methylene Chloride	ND	3.0		µg/L	1	8/4/2010 9:40:05 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Styrene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/4/2010 9:40:05 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
[redacted]2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
[redacted],2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/4/2010 9:40:05 PM
Vinyl chloride	ND	1.0		µg/L	1	8/4/2010 9:40:05 PM
Xylenes, Total	ND	1.5		µg/L	1	8/4/2010 9:40:05 PM
Surr: 1,2-Dichloroethane-d4	97.3	54.6-141		%REC	1	8/4/2010 9:40:05 PM
Surr: 4-Bromofluorobenzene	112	60.1-133		%REC	1	8/4/2010 9:40:05 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	1	8/4/2010 9:40:05 PM
Surr: Toluene-d8	99.0	79.5-126		%REC	1	8/4/2010 9:40:05 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008088
Lab ID: B10080524-001
Client Sample ID 1008088-01 D, F, &G Pond 1

Report Date: 08/18/10
Collection Date: 08/02/10 10:41
DateReceived: 08/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	346	mg/L	D	10		E410.4	08/06/10 10:30 / bls
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	08/08/10 05:30 / tao
METALS, TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	08/12/10 14:27 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008088
Lab ID: B10080524-002
Client Sample ID 1008088-02 D, F, &G Pond 2

Report Date: 08/18/10
Collection Date: 08/02/10 10:50
DateReceived: 08/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	172	mg/L	D	10		E410.4	08/06/10 10:30 / bls
METALS, DISSOLVED							
Uranium	0.002	mg/L		0.001		SW6020	08/08/10 05:34 / tao
METALS, TOTAL							
Uranium	0.003	mg/L		0.001		SW6020	08/12/10 14:51 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008088
Lab ID: B10080524-003
Client Sample ID 1008088-03 D, F, &G Pond 4

Report Date: 08/18/10
Collection Date: 08/02/10 11:09
DateReceived: 08/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	204	mg/L	D	10		E410.4	08/06/10 10:30 / bls
METALS, DISSOLVED							
Uranium	0.002	mg/L		0.001		SW6020	08/08/10 05:42 / tao
METALS, TOTAL							
Uranium	0.003	mg/L		0.001		SW6020	08/12/10 14:55 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008088
Lab ID: B10080524-004
Client Sample ID 1008088-04 D, F, &G Pond 5

Report Date: 08/18/10
Collection Date: 08/02/10 11:46
DateReceived: 08/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	208	mg/L	D	20		E410.4	08/10/10 07:30 / bls
METALS, DISSOLVED							
Uranium	0.003	mg/L		0.001		SW6020	08/08/10 05:46 / tao
METALS, TOTAL							
Uranium	0.003	mg/L		0.001		SW6020	08/12/10 14:59 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008088
Lab ID: B10080524-005
Client Sample ID 1008088-05 D, F, &G Pond 6

Report Date: 08/18/10
Collection Date: 08/02/10 13:29
DateReceived: 08/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	172	mg/L	D	20		E410.4	08/10/10 07:30 / bls
METALS, DISSOLVED							
Uranium	0.002	mg/L		0.001		SW6020	08/08/10 05:50 / tao
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	08/12/10 15:03 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008088
Lab ID: B10080524-006
Client Sample ID 1008088-06 D, F, &G Pond 8

Report Date: 08/18/10
Collection Date: 08/02/10 13:51
DateReceived: 08/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	2520	mg/L	D	200		E410.4	08/10/10 07:30 / bls
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	08/08/10 06:10 / tao
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	08/12/10 15:27 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008088
Lab ID: B10080524-007
Client Sample ID 1008088-07 D, F, &G Pond 7

Report Date: 08/18/10
Collection Date: 08/02/10 14:09
DateReceived: 08/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	840	mg/L	D	200		E410.4	08/10/10 07:30 / bls
METALS, DISSOLVED							
Uranium	0.003	mg/L		0.001		SW6020	08/08/10 06:31 / tao
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	08/12/10 15:11 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008088
Lab ID: B10080524-008
Client Sample ID 1008088-08 D, F, &G Pond 3

Report Date: 08/18/10
Collection Date: 08/02/10 14:38
DateReceived: 08/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	238	mg/L	D	10		E410.4	08/10/10 07:30 / bls
METALS, DISSOLVED							
Uranium	0.002	mg/L		0.001		SW6020	08/08/10 06:54 / tao
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	08/12/10 15:15 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1008088

Report Date: 08/18/10
Work Order: B10080524

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4										Batch: R152011
Sample ID: MB-R152011		Method Blank				Run: SPEC_100806C				08/06/10 10:30
Oxygen Demand, Chemical (COD)		ND	mg/L	5						
Sample ID: LCS-R152011		Laboratory Control Sample				Run: SPEC_100806C				08/06/10 10:30
Oxygen Demand, Chemical (COD)		83.6	mg/L	5.0	100	90	110			
Sample ID: B10080503-002BMS		Sample Matrix Spike				Run: SPEC_100806C				08/06/10 10:30
Oxygen Demand, Chemical (COD)		51.5	mg/L	5.0	105	90	110			
Sample ID: B10080503-002BMSD		Sample Matrix Spike Duplicate				Run: SPEC_100806C				08/06/10 10:30
Oxygen Demand, Chemical (COD)		49.9	mg/L	5.0	98	90	110	3.2	10	
Sample ID: LFB		Laboratory Fortified Blank				Run: SPEC_100806C				08/06/10 10:30
Oxygen Demand, Chemical (COD)		23.3	mg/L	5.0	95	90	110			
Method: E410.4										Batch: R152123
Sample ID: MB-R152123		Method Blank				Run: SPEC_100810D				08/10/10 07:30
Oxygen Demand, Chemical (COD)		ND	mg/L	5						
Sample ID: LCS-R152123		Laboratory Control Sample				Run: SPEC_100810D				08/10/10 07:30
Oxygen Demand, Chemical (COD)		85.9	mg/L	5.0	103	90	110			
Sample ID: B10080519-002BMS		Sample Matrix Spike				Run: SPEC_100810D				08/10/10 07:30
Oxygen Demand, Chemical (COD)		61.1	mg/L	5.0	95	90	110			
Sample ID: B10080519-002BMSD		Sample Matrix Spike Duplicate				Run: SPEC_100810D				08/10/10 07:30
Oxygen Demand, Chemical (COD)		60.8	mg/L	5.0	93	90	110	0.5	10	
Sample ID: B10080513-003BMS		Sample Matrix Spike				Run: SPEC_100810D				08/10/10 07:30
Oxygen Demand, Chemical (COD)		46.9	mg/L	5.0	98	90	110			
Sample ID: B10080513-003BMSD		Sample Matrix Spike Duplicate				Run: SPEC_100810D				08/10/10 07:30
Oxygen Demand, Chemical (COD)		46.6	mg/L	5.0	97	90	110	0.6	10	
Sample ID: LFB		Laboratory Fortified Blank				Run: SPEC_100810D				08/10/10 07:30
Oxygen Demand, Chemical (COD)		23.7	mg/L	5.0	97	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1008088

Report Date: 08/18/10
Work Order: B10080524

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_100807A	
Sample ID: QCS - 100807A,10042		Initial Calibration Verification Standard							08/07/10 20:30	
Uranium		0.0184	mg/L	0.00030	92	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							08/07/10 20:38	
Uranium		6.00E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB							08/07/10 20:42	
Uranium		8.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: R151994	
Sample ID: B10080524-002ADIL		Serial Dilution				Run: ICPMS202-B_100807A			08/08/10 05:38	
Uranium		0.00217	mg/L	0.0010		0	0			
Sample ID: B10080524-005AMS		Sample Matrix Spike				Run: ICPMS202-B_100807A			08/08/10 05:54	
Uranium		0.290	mg/L	0.0010	115	75	125			
Sample ID: B10080524-005AMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_100807A			08/08/10 05:58	
Uranium		0.297	mg/L	0.0010	118	75	125	2.5	20	
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_100807A			08/07/10 20:34	
Uranium		0.0509	mg/L	0.00030	102	85	115			
Sample ID: LRB		Method Blank				Run: ICPMS202-B_100807A			08/07/10 21:07	
Uranium		ND	mg/L	2E-05						

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1008088

Report Date: 08/18/10
Work Order: B10080524

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_100812B	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard							08/12/10 10:23	
Uranium		0.0191	mg/L	0.00030	95	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							08/12/10 10:27	
Uranium		1.60E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB							08/12/10 10:31	
Uranium		3.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: 48187	
Sample ID: MB-48187		Method Blank				Run: ICPMS202-B_100812B			08/12/10 14:23	
Uranium		ND	mg/L	2E-05						
Sample ID: B10080524-001BDIL		Serial Dilution				Run: ICPMS202-B_100812B			08/12/10 14:31	
Uranium		0.000950	mg/L	0.0010		0	0		10	
Sample ID: LCS5-48187		Laboratory Control Sample				Run: ICPMS202-B_100812B			08/12/10 16:21	
Uranium		0.531	mg/L	0.0010	106	85	115			
Sample ID: B10080524-001BMS5		Sample Matrix Spike				Run: ICPMS202-B_100812B			08/12/10 16:25	
Uranium		0.560	mg/L	0.0010	112	75	125			
Sample ID: B10080524-001BMSD5		Sample Matrix Spike Duplicate				Run: ICPMS202-B_100812B			08/12/10 16:31	
Uranium		0.548	mg/L	0.0010	109	75	125	2.3	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R40361**	Analysis Date:	8/12/2010 3:51:51 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R40406**	Analysis Date:	8/14/2010 8:28:08 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R40466**	Analysis Date:	8/19/2010 5:56:03 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R40524**	Analysis Date:	8/21/2010 4:20:00 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R40549**	Analysis Date:	8/23/2010 11:00:51 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R40575**	Analysis Date:	8/24/2010 10:47:08 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R40361**	Analysis Date:	8/12/2010 4:09:16 PM		
Fluoride	0.5117	mg/L	0.10	0.5	0	102	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	R40361	Analysis Date:	8/12/2010 4:09:16 PM		
Chloride	5.077	mg/L	0.50	5	0	102	90	110			
Bromide	2.548	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.524	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.095	mg/L	0.50	5	0	102	90	110			
Sulfate	10.18	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	R40406	Analysis Date:	8/14/2010 8:45:32 PM		
Fluoride	0.4733	mg/L	0.10	0.5	0	94.7	90	110			
Chloride	4.668	mg/L	0.50	5	0	93.4	90	110			
Bromide	2.383	mg/L	0.10	2.5	0	95.3	90	110			
Nitrate (As N)+Nitrite (As N)	3.295	mg/L	0.20	3.5	0	94.2	90	110			
Phosphorus, Orthophosphate (As P)	4.719	mg/L	0.50	5	0	94.4	90	110			
Sulfate	9.420	mg/L	0.50	10	0	94.2	90	110			
Sample ID: LCS		*LCS*				Batch ID:	R40466	Analysis Date:	8/19/2010 6:13:28 AM		
Fluoride	0.5246	mg/L	0.10	0.5	0	105	90	110			
Chloride	5.002	mg/L	0.50	5	0	100	90	110			
Bromide	2.551	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.531	mg/L	0.20	3.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.081	mg/L	0.50	5	0	102	90	110			
Sulfate	10.20	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	R40524	Analysis Date:	8/21/2010 4:37:24 AM		
Fluoride	0.4965	mg/L	0.10	0.5	0	99.3	90	110			
Chloride	4.760	mg/L	0.50	5	0	95.2	90	110			
Bromide	2.437	mg/L	0.10	2.5	0	97.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.381	mg/L	0.20	3.5	0	96.6	90	110			
Phosphorus, Orthophosphate (As P)	4.884	mg/L	0.50	5	0	97.7	90	110			
Sulfate	9.724	mg/L	0.50	10	0	97.2	90	110			
Sample ID: LCS		*LCS*				Batch ID:	R40549	Analysis Date:	8/23/2010 11:18:16 AM		
Fluoride	0.5039	mg/L	0.10	0.5	0	101	90	110			
Chloride	5.031	mg/L	0.50	5	0	101	90	110			
Bromide	2.571	mg/L	0.10	2.5	0	103	90	110			
Nitrate (As N)+Nitrite (As N)	3.562	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.023	mg/L	0.50	5	0	100	90	110			
Sulfate	10.22	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS-b		*LCS*				Batch ID:	R40575	Analysis Date:	8/24/2010 1:06:24 PM		
Fluoride	0.5453	mg/L	0.10	0.5	0	109	90	110			
Chloride	5.317	mg/L	0.50	5	0	106	90	110			
Bromide	2.690	mg/L	0.10	2.5	0	108	90	110			
Nitrate (As N)+Nitrite (As N)	3.674	mg/L	0.20	3.5	0	105	90	110			
Phosphorus, Orthophosphate (As P)	5.377	mg/L	0.50	5	0	108	90	110			
Sulfate	10.61	mg/L	0.50	10	0	106	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1008088-08a msd		*MSD*				Batch ID: **R40204**		Analysis Date:		8/4/2010 8:44:59 PM	
Benzene	18.78	µg/L	1.0	20	0	93.9	75.7	118	2.16	15	
Toluene	21.25	µg/L	1.0	20	0	106	80.1	114	5.30	15	
Chlorobenzene	19.83	µg/L	1.0	20	0	99.1	81.5	112	1.15	15	
1,1-Dichloroethene	24.02	µg/L	1.0	20	0	120	77.4	132	0.250	17.8	
Trichloroethene (TCE)	16.65	µg/L	1.0	20	0	83.3	61.1	121	2.88	19.8	
Sample ID: 1008088-08a msd		*MSD*				Batch ID: **R40204**		Analysis Date:		8/5/2010 5:23:14 PM	
Benzene	19.68	µg/L	1.0	20	0	98.4	75.7	118	2.52	15	
Toluene	22.14	µg/L	1.0	20	0	111	80.1	114	1.17	15	
Chlorobenzene	20.61	µg/L	1.0	20	0	103	81.5	112	2.73	15	
1,1-Dichloroethene	24.62	µg/L	1.0	20	0	123	77.4	132	2.19	17.8	
Trichloroethene (TCE)	15.75	µg/L	1.0	20	0	78.7	61.1	121	2.71	19.8	
Sample ID: b5		*MBLK*				Batch ID: **R40204**		Analysis Date:		8/4/2010 11:59:38 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,[redacted]ethylbenzene	ND	µg/L	1.0								
1,2-Di[redacted]oroethane (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-Di[redacted]lorobenzene	ND	µg/L	1.0								
1,3-[redacted]orobenzene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b5		*MBLK*					**Batch ID: R40204**		**Analysis Date: 8/4/2010 11:59:38 AM**		
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: b8		*MBLK*					**Batch ID: R40204**		**Analysis Date: 8/4/2010 11:30:09 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								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b8		*MBLK*				Batch ID: **R40204**		Analysis Date: **8/4/2010 11:30:09 PM**			
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-D[redacted]mo-3-chloropropane	ND	µg/L	2.0								
Dibro[redacted]hloromethane	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								
Te[redacted]oroethene (PCE)	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b8		*MBLK*				Batch ID: **R40204**		Analysis Date:	**8/4/2010 11:30:09 PM**		
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b6		*MBLK*				Batch ID: **R40228**		Analysis Date:	**8/5/2010 1:40:58 PM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b6		*MBLK*				Batch ID: **R40228**		Analysis Date:	8/5/2010 1:40:58 PM		
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								
Sty[redacted]	ND	µg/L	1.0								
tert-[redacted]benzene	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: b9		*MBLK*				Batch ID: **R40228**		Analysis Date:	8/6/2010 2:05:42 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-[redacted]naphthalene	ND	µg/L	4.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b9		*MBLK*				**Batch ID: R40228**		**Analysis Date:**		*8/6/2010 2:05:42 AM*	
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								
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								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b9		*MBLK*				Batch ID:	**R40228**	Analysis Date:		8/6/2010 2:05:42 AM	
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:	**R40204**	Analysis Date:		8/4/2010 1:19:44 PM	
Benzene	19.72	µg/L	1.0	20	0	98.6	82.4	116			
Toluene	21.92	µg/L	1.0	20	0	110	89.5	123			
Chlorobenzene	21.15	µg/L	1.0	20	0	106	87.8	120			
1,1-Dichloroethene	24.25	µg/L	1.0	20	0	121	90.3	138			
Trichloroethene (TCE)	17.70	µg/L	1.0	20	0	88.5	64	129			
Sam[redacted]: ,100ng lcs_b		*LCS*				Batch ID:	**R40204**	Analysis Date:		8/5/2010 12:25:21 AM	
Benzene	19.17	µg/L	1.0	20	0	95.9	82.4	116			
Toluene	22.69	µg/L	1.0	20	0	113	89.5	123			
Chlorobenzene	21.34	µg/L	1.0	20	0	107	87.8	120			
1,1-Dichloroethene	24.48	µg/L	1.0	20	0	122	90.3	138			
Trichloroethene (TCE)	16.95	µg/L	1.0	20	0	84.7	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R40228**	Analysis Date:		8/5/2010 2:36:42 PM	
Benzene	18.79	µg/L	1.0	20	0	94.0	82.4	116			
Toluene	21.67	µg/L	1.0	20	0	108	89.5	123			
Chlorobenzene	20.44	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	23.36	µg/L	1.0	20	0	117	90.3	138			
Trichloroethene (TCE)	16.71	µg/L	1.0	20	0	83.5	64	129			
Sample ID: 1008088-08a ms		*MS*				Batch ID:	**R40204**	Analysis Date:		8/4/2010 8:17:25 PM	
Benzene	19.19	µg/L	1.0	20	0	96.0	75.7	118			
Toluene	22.40	µg/L	1.0	20	0	112	80.1	114			
Chlorobenzene	20.06	µg/L	1.0	20	0	100	81.5	112			
1,1-Dichloroethene	24.08	µg/L	1.0	20	0	120	77.4	132			
Trichloroethene (TCE)	16.18	µg/L	1.0	20	0	80.9	61.1	121			
Sample ID: 1008088-08a ms		*MS*				Batch ID:	**R40204**	Analysis Date:		8/5/2010 4:55:39 PM	
Benzene	19.76	µg/L	1.0	20	0	98.8	75.7	118			
Toluene	22.30	µg/L	1.0	20	0	111	80.1	114			
Chlorobenzene	20.95	µg/L	1.0	20	0	105	81.5	112			
1,1-Dichloroethene	24.44	µg/L	1.0	20	0	122	77.4	132			
Trichloroethene (TCE)	15.62	µg/L	1.0	20	0	78.1	61.1	121			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA Method 7470: Mercury**											
Sample ID: **MB-23324**		*MBLK*				**Batch ID:**	**23324**	**Analysis Date:**		**8/10/2010 5:04:07 PM**	
Mercury	ND	mg/L	0.00020								
Sample ID: **LCS-23324**		*LCS*				**Batch ID:**	**23324**	**Analysis Date:**		**8/10/2010 5:05:50 PM**	
Mercury	0.004987	mg/L	0.00020	0.005	0	99.7	80	120			
Sample ID: **LCS-23324**		*LCS*				**Batch ID:**	**23324**	**Analysis Date:**		**8/10/2010 5:07:35 PM**	
Mercury	0.004963	mg/L	0.00020	0.005	0	99.3	80	120	0.482	0	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R40234**		Analysis Date:	8/6/2010 11:12:39 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.050								
Sample ID: MB		*MBLK*				Batch ID: **R40234**		Analysis Date:	8/6/2010 3:48:38 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID: **R40234**		Analysis Date:	8/6/2010 11:15:31 AM		
Arsenic	0.5558	mg/L	0.020	0.5	0	111	80	120			
Barium	0.5505	mg/L	0.020	0.5	0	110	80	120			
Cadmium	0.5441	mg/L	0.0020	0.5	0	109	80	120			
Chromium	0.5479	mg/L	0.0060	0.5	0	110	80	120			
Copper	0.5801	mg/L	0.0060	0.5	0	116	80	120			
Iron	0.5389	mg/L	0.020	0.5	0	108	80	120			
Lead	0.5468	mg/L	0.0050	0.5	0	109	80	120			
Manganese	0.5525	mg/L	0.0020	0.5	0.0002	110	80	120			
Selenium	0.5294	mg/L	0.050	0.5	0	106	80	120			
Silver	0.5561	mg/L	0.0050	0.5	0.0009	111	80	120			
Zinc	0.5498	mg/L	0.050	0.5	0	110	80	120			
Sample ID: LCS		*LCS*				Batch ID: **R40234**		Analysis Date:	8/6/2010 3:51:40 PM		
Arsenic	0.5695	mg/L	0.020	0.5	0	114	80	120			
Barium	0.5349	mg/L	0.020	0.5	0	107	80	120			
Cadmium	0.5553	mg/L	0.0020	0.5	0	111	80	120			
Chromium	0.5414	mg/L	0.0060	0.5	0	108	80	120			
Copper	0.5498	mg/L	0.0060	0.5	0	110	80	120			
Iron	0.5440	mg/L	0.020	0.5	0	109	80	120			
Lead	0.5447	mg/L	0.0050	0.5	0	109	80	120			
Manganese	0.5296	mg/L	0.0020	0.5	0	106	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		LCS				Batch ID:	**R40234**	Analysis Date:		8/6/2010 3:51:40 PM	
Selenium	0.5494	mg/L	0.050	0.5	0	110	80	120			
Silver	0.5501	mg/L	0.0050	0.5	0	110	80	120			
Zinc	0.5432	mg/L	0.050	0.5	0	109	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23311		*MBLK*				**Batch ID:**	**23311**	**Analysis Date:**		**8/11/2010 5:25:45 PM**	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.050								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23311		*LCS*				**Batch ID:**	**23311**	**Analysis Date:**		**8/11/2010 5:28:34 PM**	
Arsenic	0.5274	mg/L	0.020	0.5	0	105	80	120			
Barium	0.4974	mg/L	0.020	0.5	0	99.5	80	120			
Cadmium	0.5084	mg/L	0.0020	0.5	0	102	80	120			
Calcium	50.52	mg/L	1.0	50	0	101	80	120			
Chromium	0.5116	mg/L	0.0060	0.5	0	102	80	120			
Copper	0.5528	mg/L	0.0060	0.5	0.0008	110	80	120			
Iron	0.5024	mg/L	0.050	0.5	0	100	80	120			
Lead	0.5006	mg/L	0.0050	0.5	0	100	80	120			
Magnesium	51.57	mg/L	1.0	50	0	103	80	120			
Manganese	0.5007	mg/L	0.0020	0.5	0	100	80	120			
Potassium	52.42	mg/L	1.0	50	0	105	80	120			
Selenium	0.4995	mg/L	0.050	0.5	0	99.9	80	120			
Silver	0.5172	mg/L	0.0050	0.5	0.0004	103	80	120			
Sodium	49.72	mg/L	1.0	50	0	99.4	80	120			
Zinc	0.4940	mg/L	0.020	0.5	0	98.8	80	120			
Sample ID: LCS-23311		*LCS*				**Batch ID:**	**23311**	**Analysis Date:**		**8/11/2010 5:31:32 PM**	
Arsenic	0.5295	mg/L	0.020	0.5	0	106	80	120	0.397	0	
Barium	0.4895	mg/L	0.020	0.5	0	97.9	80	120	1.61	0	
Cadmium	0.5068	mg/L	0.0020	0.5	0	101	80	120	0.314	0	
Calcium	49.58	mg/L	1.0	50	0	99.2	80	120	1.88	0	
Chromium	0.5046	mg/L	0.0060	0.5	0	101	80	120	1.37	0	
Copper	0.5460	mg/L	0.0060	0.5	0.0008	109	80	120	1.25	0	
Iron	0.4912	mg/L	0.050	0.5	0	98.2	80	120	2.25	0	
Lead	0.4962	mg/L	0.0050	0.5	0	99.2	80	120	0.871	0	
Magnesium	50.68	mg/L	1.0	50	0	101	80	120	1.74	0	
Manganese	0.4945	mg/L	0.0020	0.5	0	98.9	80	120	1.25	0	
Potassium	51.58	mg/L	1.0	50	0	103	80	120	1.61	0	
Selenium	0.5019	mg/L	0.050	0.5	0	100	80	120	0.487	0	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1008088

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: LCS-23311		*LCS*				Batch ID:	**23311**	Analysis Date:		8/11/2010 5:31:32 PM	
Silver	0.5100	mg/L	0.0050	0.5	0.0004	102	80	120	1.40	0	
Sodium	48.84	mg/L	1.0	50	0	97.7	80	120	1.79	0	
Zinc	0.4875	mg/L	0.020	0.5	0	97.5	80	120	1.32	0	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU Date Received: 8/3/2010

Work Order Number 1008088 Received by: AT

Checklist completed by: _____ 8/3/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 4/8

(<2 or >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: added .04 mls HNO3 to acl 125 HNO3 bottles for acceptable pH / AT 8/4/10

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: X Standard ☐ Level 4 (Full Validation)
Accreditation ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: X ☐ Standard ☐ Rush
Project Name: 2010 Annual
Project #: Evap Ponds 1-8
Project Manager: C Johnson
Sampler: C Johnson
On Ice: X Yes ☐ No
Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1008088	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) +MTBE	8270 (Semi-VOA)	WQCC Metals - T + D	Gen Chem	~~Total~~ COD		Air Bubbles (Y or N)
8/2/10	1041	H2O	Pond 1			-1										X		X	X	X		
	1050		Pond 2			-2																
	1109		Pond 4			-3																
	1146		Pond 5			-4																
	1329		Pond 6			-5																
	1351		Pond 8			-6																
	1409		Pond 7			-7																
	1438		Pond 3			-8																
8/2/10																						
8/3/10	730		Field Blank			-9										X						
			Trip Blank			-10								8/13/10		X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
8/3/10	1325			8/3/10	1325
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen Chem - cations, anions, pH & ec A 8/13/10

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

BOD, E-Col.

COVER LETTER

Thursday, August 12, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual

Order No.: 1008075

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 8/3/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

1008075

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1008075
Facility: 2010 Annual
Lab ID: 1008075-01A

WSS ID:
Location:

Client Sample ID: Pond 1
Collection Date: 8/3/2010 7:58:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 8/3/2010
Prep Date: 8/3/2010 5:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 8/4/2010 6:00:00 PM				Analyst: **MAW**	
3014 E. Coli	> 2419.6		5		CFU/100ml	5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1008075
Facility: 2010 Annual
Lab ID: 1008075-02A

WSS ID:
Location:

Client Sample ID: Pond 2
Collection Date: 8/3/2010 8:04:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 8/3/2010
Prep Date: 8/3/2010 5:00:00 PM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B FECAL INDICATOR: E. COLI MPN**	Date Analyzed: 8/4/2010 6:00:00 PM			Analyst: **MAW**		
3014	E. Coli	> 2419.6		5		CFU/100ml	5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1008075
Facility: 2010 Annual
Lab ID: 1008075-03A

WSS ID:
Location:

Client Sample ID: Pond 4
Collection Date: 8/3/2010 8:30:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 8/3/2010
Prep Date: 8/3/2010 5:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 8/4/2010 6:00:00 PM			Analyst: **MAW**		
3014 E. Coli	> 2419.6		5		CFU/100ml	5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1008075
Facility: 2010 Annual
Lab ID: 1008075-04A

WSS ID:
Location:

Client Sample ID: Pond 5
Collection Date: 8/3/2010 8:36:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 8/3/2010
Prep Date: 8/3/2010 5:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 8/4/2010 6:00:00 PM				Analyst: **MAW**	
3014 E. Coli	1960.8		2		CFU/100ml	2

Quali

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1008075
Facility: 2010 Annual
Lab ID: 1008075-05A

WSS ID:
Location:

Client Sample ID: Pond 6
Collection Date: 8/3/2010 8:41:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 8/3/2010
Prep Date: 8/3/2010 5:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 8/4/2010 6:00:00 PM				Analyst: **MAW**	
3014 E. Coli	1892.0		5		CFU/100ml	5

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1008075
Facility: 2010 Annual
Lab ID: 1008075-06A

WSS ID:
Location:

Client Sample ID: Pond 8
Collection Date: 8/3/2010 8:54:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 8/3/2010
Prep Date: 8/3/2010 5:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 8/4/2010 6:00:00 PM				Analyst: **MAW**	
3014 E. Coli	< 1		1		CFU/100ml	1

Qualifie

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

LIENT: Western Refining Southwest, Gallup
ab Order: 1008075
acility: 2010 Annual
ab ID: 1008075-07A
WSS ID:
Location:

Client Sample ID: Pond 7
Collection Date: 8/3/2010 8:50:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 8/3/2010
Prep Date: 8/3/2010 5:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 8/4/2010 6:00:00 PM				Analyst: **MAW**	
3014 E. Coli	< 1		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1008075
Facility: 2010 Annual
Lab ID: 1008075-08A

WSS ID:
Location:

Client Sample ID: Pond 3
Collection Date: 8/3/2010 8:15:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 8/3/2010
Prep Date: 8/3/2010 5:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 8/4/2010 6:00:00 PM				Analyst: **MAW**	
3014 E. Coli	> 2419.6		2		CFU/100ml	2

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008075
Lab ID: B10080350-001
Client Sample ID 1008075-01B, Pond 1

Report Date: 08/10/10
Collection Date: 08/03/10 07:58
DateReceived: 08/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	290	mg/L		2		A5210 B	08/04/10 15:05 / brh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008075
Lab ID: B10080350-002
Client Sample ID 1008075-02B, Pond 2

Report Date: 08/10/10
Collection Date: 08/03/10 08:04
DateReceived: 08/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	64	mg/L		2		A5210 B	08/04/10 15:10 / brh

Report Definitions: RL - Analyte reporting limit. QCL - Quality control limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008075
Lab ID: B10080350-003
Client Sample ID 1008075-03B, Pond 4

Report Date: 08/10/10
Collection Date: 08/03/10 08:30
DateReceived: 08/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	35	mg/L		2		A5210 B	08/04/10 15:14 / brh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008075
Lab ID: B10080350-004
Client Sample ID 1008075-04B, Pond 5

Report Date: 08/10/10
Collection Date: 08/03/10 08:36
DateReceived: 08/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	40	mg/L		2		A5210 B	08/04/10 15:18 / brh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008075
Lab ID: B10080350-005
Client Sample ID 1008075-05B, Pond 6

Report Date: 08/10/10
Collection Date: 08/03/10 08:41
DateReceived: 08/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	15	mg/L		2		A5210 B	08/04/10 15:23 / brh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008075
Lab ID: B10080350-006
Client Sample ID 1008075-06B, Pond 8

Report Date: 08/10/10
Collection Date: 08/03/10 08:54
DateReceived: 08/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	5	mg/L		2		A5210 B	08/04/10 15:28 / brh

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008075
Lab ID: B10080350-007
Client Sample ID 1008075-07B, Pond 7

Report Date: 08/10/10
Collection Date: 08/03/10 08:50
DateReceived: 08/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	5	mg/L		2		A5210 B	08/04/10 15:34 / brh

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1008075
Lab ID: B10080350-008
Client Sample ID 1008075-08B, Pond 3

Report Date: 08/10/10
Collection Date: 08/03/10 08:15
DateReceived: 08/04/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	36	mg/L		2		A5210 B	08/04/10 15:35 / brh

Report Definitions: RL - Analyte reporting limit. QCL - Quality control limit. MCL - Maximum contaminant level. ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1008075

Report Date: 08/10/10
Work Order: B10080350

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A5210 B								Batch: 100804_1_BOD5-W	
Sample ID: GGA1_100804	Laboratory Control Sample				Run: DO_METER_100804A			08/04/10 08:58	
Oxygen Demand, Biochemical (BOD)	170	mg/L	2.0	88	85	115			
Sample ID: MBLK1_100804	Method Blank				Run: DO_METER_100804A			08/04/10 09:59	
Oxygen Demand, Biochemical (BOD)	0.1	mg/L							
Sample ID: B10080345-003ADUP	Sample Duplicate				Run: DO_METER_100804A			08/04/10 14:44	
Oxygen Demand, Biochemical (BOD)	20	mg/L	2.0				5.3	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 8/3/2010

Work Order Number 1008075 | Received by: AT

Checklist completed by: _____ 8/3/10 | Sample ID labels checked by: AT MW

Signature | Date | Initials

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace? No VOA vials submitted ☑		Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	<2 >12 unless noted below.
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 2010 Annual
Project #: Evap Ponds 1-8
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No 1008075	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	E-Coli 8/3/10 comparation	BOD			Air Bubbles (Y or N)
8/3/10	0758	H20	Pond 1			-1												X	X			
	0804		Pond 2			-2																
	0830		Pond 4			-3																
	0836		Pond 5			-4																
	0841		Pond 6			-5																
	0854		Pond 8			-6																
	0850		Pond 7			-7																
	0815		Pond 3			-8																
			~~Field Blank~~																			
		KT	~~Trip Blank~~																			
		8/3/10																				

Date: 8/3/10 Time: 1325 Relinquished by:
Received by: Date 8/3/10 Time 1325

Date: Time: Relinquished by:
Received by: Date Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, December 23, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Semi Annual

Order No.: 1011811

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 11/17/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1011811	**Collection Date:**	11/16/2010 11:05:00 AM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	25	2.0		mg/L	20	11/24/2010 1:30:29 AM
Chloride	6300	250		mg/L	500	12/3/2010 5:54:46 PM
Bromide	2.4	0.50		mg/L	5	11/24/2010 1:13:04 AM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	12/5/2010 3:35:08 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	11/24/2010 1:13:04 AM
Sulfate	1500	25		mg/L	50	12/3/2010 2:30:11 AM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	12/2/2010 12:07:27 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/14/2010 11:27:28 AM
Barium	0.12	0.10		mg/L	5	12/7/2010 7:37:12 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 7:37:12 PM
Calcium	240	5.0		mg/L	5	12/7/2010 7:37:12 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 7:37:12 PM
Copper	ND	0.030		mg/L	5	12/7/2010 7:37:12 PM
Iron	0.18	0.10		mg/L	5	12/7/2010 7:37:12 PM
Lead	ND	0.025		mg/L	5	12/7/2010 7:37:12 PM
Magnesium	100	5.0		mg/L	5	12/7/2010 7:37:12 PM
Manganese	0.30	0.010		mg/L	5	12/7/2010 7:37:12 PM
Potassium	110	5.0		mg/L	5	12/7/2010 7:37:12 PM
Selenium	ND	0.25		mg/L	5	12/14/2010 11:27:28 AM
Silver	ND	0.025		mg/L	5	12/7/2010 7:37:12 PM
Sodium	3400	100		mg/L	100	12/9/2010 10:12:59 AM
Zinc	ND	0.25		mg/L	5	12/7/2010 7:37:12 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/7/2010 12:57:49 PM
Barium	0.14	0.10		mg/L	5	12/7/2010 12:57:49 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 12:57:49 PM
Chromium	0.040	0.030		mg/L	5	12/7/2010 12:57:49 PM
Copper	ND	0.030		mg/L	5	12/7/2010 12:57:49 PM
Iron	0.36	0.25		mg/L	5	12/7/2010 12:57:49 PM
Lead	ND	0.025		mg/L	5	12/7/2010 12:57:49 PM
Manganese	0.33	0.010		mg/L	5	12/7/2010 12:57:49 PM
Selenium	ND	0.25		mg/L	5	12/7/2010 12:57:49 PM
Silver	ND	0.025		mg/L	5	12/7/2010 12:57:49 PM
Zinc	ND	0.10		mg/L	5	12/7/2010 12:57:49 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1011811	**Collection Date:**	11/16/2010 11:05:00 AM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Acenaphthylene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Aniline	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Anthracene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Azobenzene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Benz(a)anthracene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Benzoic acid	ND	20		µg/L	1	11/23/2010 1:11:24 PM
Benzyl alcohol	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/23/2010 1:11:24 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Carbazole	ND	10		µg/L	1	11/23/2010 1:11:24 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/23/2010 1:11:24 PM
4-Chloroaniline	ND	10		µg/L	1	11/23/2010 1:11:24 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
2-Chlorophenol	ND	10		µg/L	1	11/23/2010 1:11:24 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Chrysene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Dibenzofuran	ND	10		µg/L	1	11/23/2010 1:11:24 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Diethyl phthalate	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Dimethyl phthalate	ND	10		µg/L	1	11/23/2010 1:11:24 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/23/2010 1:11:24 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/23/2010 1:11:24 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/23/2010 1:11:24 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/23/2010 1:11:24 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 1:11:24 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	*Analyte detected below quantitation limits*	MCL	*Maximum Contaminant Level*
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1011811	**Collection Date:**	11/16/2010 11:05:00 AM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluoranthene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Fluorene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Hexachlorobenzene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Hexachloroethane	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Isophorone	ND	10		µg/L	1	11/23/2010 1:11:24 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
2-Methylphenol	30	10		µg/L	1	11/23/2010 1:11:24 PM
3+4-Methylphenol	36	10		µg/L	1	11/23/2010 1:11:24 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/23/2010 1:11:24 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/23/2010 1:11:24 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Naphthalene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
2-Nitroaniline	ND	10		µg/L	1	11/23/2010 1:11:24 PM
3-Nitroaniline	ND	10		µg/L	1	11/23/2010 1:11:24 PM
4-Nitroaniline	ND	20		µg/L	1	11/23/2010 1:11:24 PM
Nitrobenzene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
2-Nitrophenol	ND	10		µg/L	1	11/23/2010 1:11:24 PM
4-Nitrophenol	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Pentachlorophenol	ND	20		µg/L	1	11/23/2010 1:11:24 PM
Phenanthrene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Phenol	32	10		µg/L	1	11/23/2010 1:11:24 PM
Pyrene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Pyridine	ND	10		µg/L	1	11/23/2010 1:11:24 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/23/2010 1:11:24 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/23/2010 1:11:24 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/23/2010 1:11:24 PM
Surr: 2,4,6-Tribromophenol	72.9	17.5-104		%REC	1	11/23/2010 1:11:24 PM
Surr: 2-Fluorobiphenyl	88.9	30.9-98.9		%REC	1	11/23/2010 1:11:24 PM
Surr: 2-Fluorophenol	62.4	12.4-90.1		%REC	1	11/23/2010 1:11:24 PM
Surr: 4-Terphenyl-d14	70.8	43.5-91.9		%REC	1	11/23/2010 1:11:24 PM
Surr: Nitrobenzene-d5	103	26.2-108		%REC	1	11/23/2010 1:11:24 PM
Surr: Phenol-d5	51.0	11.8-73.1		%REC	1	11/23/2010 1:11:24 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: DAM
Benzene	ND	1.0		µg/L	1	11/24/2010 4:51:05 PM
Toluene	ND	1.0		µg/L	1	11/24/2010 4:51:05 PM
Ethylbenzene	ND	1.0		µg/L	1	11/24/2010 4:51:05 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/24/2010 4:51:05 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-6
Lab Order:	1011811	**Collection Date:**	11/16/2010 11:05:00 AM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	ND	3.0		µg/L	1	11/24/2010 4:51:05 PM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/24/2010 4:51:05 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: IC
Specific Conductance	21000	0.10		µmhos/cm	10	11/23/2010 5:50:00 PM
SM4500-H+B: PH						Analyst: IC
pH	7.74	0.100		pH units	1	11/23/2010 5:46:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1011811	**Collection Date:**	11/16/2010 11:25:00 AM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	21	2.0		mg/L	20	12/3/2010 3:31:31 AM
Chloride	76000	2500		mg/L	5000	12/8/2010 7:09:20 AM
Bromide	32	2.0		mg/L	20	12/3/2010 3:31:31 AM
Nitrate (As N)+Nitrite (As N)	ND	200		mg/L	1000	12/3/2010 4:05:12 AM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	12/3/2010 3:31:31 AM
Sulfate	8700	250		mg/L	500	12/3/2010 3:42:45 AM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	12/2/2010 12:09:17 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.40		mg/L	20	12/14/2010 11:31:33 AM
Barium	ND	0.40		mg/L	20	12/9/2010 2:07:56 PM
Cadmium	ND	0.040		mg/L	20	12/9/2010 2:07:56 PM
Calcium	1400	50		mg/L	50	12/9/2010 10:26:18 AM
Chromium	ND	0.12		mg/L	20	12/9/2010 2:07:56 PM
Copper	ND	0.12		mg/L	20	12/9/2010 2:07:56 PM
Iron	ND	0.40		mg/L	20	12/9/2010 2:07:56 PM
Lead	ND	0.10		mg/L	20	12/9/2010 2:07:56 PM
Magnesium	1300	50		mg/L	50	12/9/2010 10:26:18 AM
Manganese	5.3	0.040		mg/L	20	12/9/2010 2:07:56 PM
Potassium	1400	50		mg/L	50	12/9/2010 10:26:18 AM
Selenium	ND	1.0		mg/L	20	12/14/2010 11:31:33 AM
Silver	ND	0.10		mg/L	20	12/9/2010 2:07:56 PM
Sodium	37000	500		mg/L	500	12/9/2010 10:04:08 AM
Zinc	ND	1.0		mg/L	20	12/14/2010 11:31:33 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.40		mg/L	20	12/7/2010 3:28:46 PM
Barium	ND	0.40		mg/L	20	12/7/2010 3:28:46 PM
Cadmium	ND	0.040		mg/L	20	12/7/2010 3:28:46 PM
Chromium	ND	0.12		mg/L	20	12/7/2010 3:28:46 PM
Copper	ND	0.12		mg/L	20	12/7/2010 3:28:46 PM
Iron	ND	1.0		mg/L	20	12/7/2010 3:28:46 PM
Lead	ND	0.10		mg/L	20	12/7/2010 3:28:46 PM
Manganese	6.7	0.040		mg/L	20	12/7/2010 3:28:46 PM
Selenium	ND	1.0		mg/L	20	12/7/2010 3:28:46 PM
Silver	ND	0.10		mg/L	20	12/7/2010 3:28:46 PM
Zinc	ND	0.40		mg/L	20	12/7/2010 3:28:46 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: EP-9
Lab Order: 1011811
Collection Date: 11/16/2010 11:25:00 AM
Project: 2010 Semi Annual
Date Received: 11/17/2010
Lab ID: 1011811-02
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Acenaphthylene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Aniline	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Anthracene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Azobenzene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Benz(a)anthracene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Benzoic acid	ND	20		µg/L	1	11/23/2010 1:41:21 PM
Benzyl alcohol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Bis(2-ethylhexyl)phthalate	13	10		µg/L	1	11/23/2010 1:41:21 PM
[redacted]-Bromophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 1:41:21 PM
[redacted]Butyl benzyl phthalate	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Carbazole	ND	10		µg/L	1	11/23/2010 1:41:21 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
4-Chloroaniline	ND	10		µg/L	1	11/23/2010 1:41:21 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
2-Chlorophenol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Chrysene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Dibenzofuran	ND	10		µg/L	1	11/23/2010 1:41:21 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Diethyl phthalate	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Dimethyl phthalate	ND	10		µg/L	1	11/23/2010 1:41:21 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/23/2010 1:41:21 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/23/2010 1:41:21 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/23/2010 1:41:21 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 1:41:21 PM

[redacted]alifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1011811	**Collection Date:**	11/16/2010 11:25:00 AM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluoranthene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Fluorene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Hexachlorobenzene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Hexachloroethane	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Isophorone	ND	10		µg/L	1	11/23/2010 1:41:21 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
2-Methylphenol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
3+4-Methylphenol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/23/2010 1:41:21 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/23/2010 1:41:21 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Naphthalene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
2-Nitroaniline	ND	10		µg/L	1	11/23/2010 1:41:21 PM
3-Nitroaniline	ND	10		µg/L	1	11/23/2010 1:41:21 PM
4-Nitroaniline	ND	20		µg/L	1	11/23/2010 1:41:21 PM
Nitrobenzene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
2-Nitrophenol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
4-Nitrophenol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Pentachlorophenol	ND	20		µg/L	1	11/23/2010 1:41:21 PM
Phenanthrene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Phenol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Pyrene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Pyridine	ND	10		µg/L	1	11/23/2010 1:41:21 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/23/2010 1:41:21 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/23/2010 1:41:21 PM
Surr: 2,4,6-Tribromophenol	46.7	17.5-104		%REC	1	11/23/2010 1:41:21 PM
Surr: 2-Fluorobiphenyl	76.1	30.9-98.9		%REC	1	11/23/2010 1:41:21 PM
Surr: 2-Fluorophenol	58.9	12.4-90.1		%REC	1	11/23/2010 1:41:21 PM
Surr: 4-Terphenyl-d14	48.7	43.5-91.9		%REC	1	11/23/2010 1:41:21 PM
Surr: Nitrobenzene-d5	85.2	26.2-108		%REC	1	11/23/2010 1:41:21 PM
Surr: Phenol-d5	51.1	11.8-73.1		%REC	1	11/23/2010 1:41:21 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: DAM
Benzene	ND	1.0		µg/L	1	11/24/2010 5:18:38 PM
Toluene	ND	1.0		µg/L	1	11/24/2010 5:18:38 PM
Ethylbenzene	ND	1.0		µg/L	1	11/24/2010 5:18:38 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/24/2010 5:18:38 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-9
Lab Order:	1011811	**Collection Date:**	11/16/2010 11:25:00 AM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	ND	3.0		µg/L	1	11/24/2010 5:18:38 PM
Surr: 4-Bromofluorobenzene	101	76.4-106		%REC	1	11/24/2010 5:18:38 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	200000	0.50		µmhos/cm	50	12/3/2010 1:40:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.31	0.100		pH units	1	11/23/2010 5:54:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	44	2.0		mg/L	20	12/3/2010 4:16:26 AM
Chloride	81000	2500		mg/L	5000	12/8/2010 7:26:44 AM
Bromide	57	2.0		mg/L	20	12/3/2010 4:16:26 AM
Nitrate (As N)+Nitrite (As N)	ND	200		mg/L	1000	12/3/2010 4:50:08 AM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	12/3/2010 4:16:26 AM
Sulfate	12000	250		mg/L	500	12/3/2010 4:27:40 AM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	12/2/2010 12:11:07 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.40		mg/L	20	12/14/2010 11:33:56 AM
Barium	ND	0.40		mg/L	20	12/9/2010 2:11:51 PM
Cadmium	ND	0.040		mg/L	20	12/9/2010 2:11:51 PM
Calcium	760	50		mg/L	50	12/9/2010 10:39:05 AM
Chromium	ND	0.12		mg/L	20	12/9/2010 2:11:51 PM
Copper	ND	0.12		mg/L	20	12/9/2010 2:11:51 PM
Iron	0.11	0.10		mg/L	5	12/7/2010 7:48:09 PM
Lead	ND	0.10		mg/L	20	12/9/2010 2:11:51 PM
Magnesium	2100	50		mg/L	50	12/9/2010 10:39:05 AM
Manganese	9.1	0.040		mg/L	20	12/9/2010 2:11:51 PM
Potassium	2900	50		mg/L	50	12/9/2010 10:39:05 AM
Selenium	ND	1.0		mg/L	20	12/14/2010 11:33:56 AM
Silver	ND	0.10		mg/L	20	12/9/2010 2:11:51 PM
Sodium	33000	500		mg/L	500	12/9/2010 10:07:04 AM
Zinc	ND	1.0		mg/L	20	12/14/2010 11:33:56 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.40		mg/L	20	12/7/2010 3:32:53 PM
Barium	ND	0.40		mg/L	20	12/7/2010 3:32:53 PM
Cadmium	ND	0.040		mg/L	20	12/7/2010 3:32:53 PM
Chromium	ND	0.12		mg/L	20	12/7/2010 3:32:53 PM
Copper	ND	0.12		mg/L	20	12/7/2010 3:32:53 PM
Iron	ND	1.0		mg/L	20	12/7/2010 3:32:53 PM
Lead	ND	0.10		mg/L	20	12/7/2010 3:32:53 PM
Manganese	11	0.040		mg/L	20	12/7/2010 3:32:53 PM
Selenium	ND	1.0		mg/L	20	12/7/2010 3:32:53 PM
Silver	ND	0.10		mg/L	20	12/7/2010 3:32:53 PM
Zinc	ND	0.40		mg/L	20	12/7/2010 3:32:53 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Acenaphthylene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Aniline	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Anthracene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Azobenzene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Benz(a)anthracene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Benzoic acid	ND	20		µg/L	1	11/23/2010 12:40:09 PM
Benzyl alcohol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/23/2010 12:40:09 PM
[redacted]-Bromophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Carbazole	ND	10		µg/L	1	11/23/2010 12:40:09 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
4-Chloroaniline	ND	10		µg/L	1	11/23/2010 12:40:09 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
2-Chlorophenol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Chrysene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Dibenzofuran	ND	10		µg/L	1	11/23/2010 12:40:09 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Diethyl phthalate	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Dimethyl phthalate	ND	10		µg/L	1	11/23/2010 12:40:09 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/23/2010 12:40:09 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/23/2010 12:40:09 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/23/2010 12:40:09 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 12:40:09 PM

[redacted]ualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Fluorene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Hexachlorobenzene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Hexachloroethane	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Isophorone	ND	10		µg/L	1	11/23/2010 12:40:09 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
2-Methylphenol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
3+4-Methylphenol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/23/2010 12:40:09 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/23/2010 12:40:09 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Naphthalene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
2-Nitroaniline	ND	10		µg/L	1	11/23/2010 12:40:09 PM
3-Nitroaniline	ND	10		µg/L	1	11/23/2010 12:40:09 PM
4-Nitroaniline	ND	20		µg/L	1	11/23/2010 12:40:09 PM
Nitrobenzene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
2-Nitrophenol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
4-Nitrophenol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Pentachlorophenol	ND	20		µg/L	1	11/23/2010 12:40:09 PM
Phenanthrene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Phenol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Pyrene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Pyridine	ND	10		µg/L	1	11/23/2010 12:40:09 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/23/2010 12:40:09 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/23/2010 12:40:09 PM
Surr: 2,4,6-Tribromophenol	26.2	17.5-104		%REC	1	11/23/2010 12:40:09 PM
Surr: 2-Fluorobiphenyl	82.6	30.9-98.9		%REC	1	11/23/2010 12:40:09 PM
Surr: 2-Fluorophenol	68.2	12.4-90.1		%REC	1	11/23/2010 12:40:09 PM
Surr: 4-Terphenyl-d14	53.2	43.5-91.9		%REC	1	11/23/2010 12:40:09 PM
Surr: Nitrobenzene-d5	89.2	26.2-108		%REC	1	11/23/2010 12:40:09 PM
Surr: Phenol-d5	61.4	11.8-73.1		%REC	1	11/23/2010 12:40:09 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/24/2010 6:41:16 PM
Toluene	ND	1.0		µg/L	1	11/24/2010 6:41:16 PM
Ethylbenzene	ND	1.0		µg/L	1	11/24/2010 6:41:16 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/24/2010 6:41:16 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-8
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:00:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	ND	3.0		µg/L	1	11/24/2010 6:41:16 PM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/24/2010 6:41:16 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	190000	0.50		µmhos/cm	50	12/3/2010 1:46:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.14	0.100		pH units	1	11/23/2010 6:03:00 PM

alifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:20:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	35	2.0		mg/L	20	12/3/2010 5:01:22 AM
Chloride	35000	1000		mg/L	2000	12/8/2010 7:44:09 AM
Bromide	20	2.0		mg/L	20	12/3/2010 5:01:22 AM
Nitrate (As N)+Nitrite (As N)	ND	200		mg/L	1000	12/5/2010 3:46:22 PM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	12/3/2010 5:01:22 AM
Sulfate	8400	100		mg/L	200	12/3/2010 5:35:03 AM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	12/2/2010 12:12:57 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.20		mg/L	10	12/14/2010 11:36:19 AM
Barium	ND	0.20		mg/L	10	12/9/2010 1:00:47 PM
Cadmium	ND	0.020		mg/L	10	12/9/2010 1:00:47 PM
Calcium	870	50		mg/L	50	12/9/2010 10:43:09 AM
Chromium	ND	0.060		mg/L	10	12/9/2010 1:00:47 PM
Copper	ND	0.060		mg/L	10	12/9/2010 1:00:47 PM
Iron	0.19	0.10		mg/L	5	12/7/2010 8:03:24 PM
Lead	ND	0.050		mg/L	10	12/9/2010 1:00:47 PM
Magnesium	760	50		mg/L	50	12/9/2010 10:43:09 AM
Manganese	2.3	0.020		mg/L	10	12/9/2010 1:00:47 PM
Potassium	790	50		mg/L	50	12/9/2010 10:43:09 AM
Selenium	ND	0.50		mg/L	10	12/14/2010 11:36:19 AM
Silver	ND	0.050		mg/L	10	12/9/2010 1:00:47 PM
Sodium	19000	500		mg/L	500	12/9/2010 10:10:03 AM
Zinc	ND	0.50		mg/L	10	12/14/2010 11:36:19 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.20		mg/L	10	12/7/2010 2:36:46 PM
Barium	ND	0.20		mg/L	10	12/7/2010 2:36:46 PM
Cadmium	ND	0.020		mg/L	10	12/7/2010 2:36:46 PM
Chromium	ND	0.060		mg/L	10	12/7/2010 2:36:46 PM
Copper	ND	0.060		mg/L	10	12/7/2010 2:36:46 PM
Iron	0.83	0.50		mg/L	10	12/7/2010 2:36:46 PM
Lead	ND	0.050		mg/L	10	12/7/2010 2:36:46 PM
Manganese	3.3	0.020		mg/L	10	12/7/2010 2:36:46 PM
Selenium	ND	0.50		mg/L	10	12/7/2010 2:36:46 PM
Silver	ND	0.050		mg/L	10	12/7/2010 2:36:46 PM
Zinc	ND	0.20		mg/L	10	12/7/2010 2:36:46 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:20:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Acenaphthylene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Aniline	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Anthracene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Azobenzene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Benz(a)anthracene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Benzoic acid	ND	20		µg/L	1	11/22/2010 5:31:27 PM
Benzyl alcohol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Bis(2-ethylhexyl)phthalate	11	10		µg/L	1	11/22/2010 5:31:27 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Carbazole	ND	10		µg/L	1	11/22/2010 5:31:27 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
4-Chloroaniline	ND	10		µg/L	1	11/22/2010 5:31:27 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
2-Chlorophenol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Chrysene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Dibenzofuran	ND	10		µg/L	1	11/22/2010 5:31:27 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Diethyl phthalate	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Dimethyl phthalate	ND	10		µg/L	1	11/22/2010 5:31:27 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/22/2010 5:31:27 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/22/2010 5:31:27 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/22/2010 5:31:27 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/22/2010 5:31:27 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:20:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluoranthene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Fluorene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Hexachlorobenzene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Hexachloroethane	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Isophorone	ND	10		µg/L	1	11/22/2010 5:31:27 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
2-Methylphenol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
3+4-Methylphenol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/22/2010 5:31:27 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/22/2010 5:31:27 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Naphthalene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
2-Nitroaniline	ND	10		µg/L	1	11/22/2010 5:31:27 PM
3-Nitroaniline	ND	10		µg/L	1	11/22/2010 5:31:27 PM
4-Nitroaniline	ND	20		µg/L	1	11/22/2010 5:31:27 PM
Nitrobenzene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
2-Nitrophenol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
4-Nitrophenol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Pentachlorophenol	ND	20		µg/L	1	11/22/2010 5:31:27 PM
Phenanthrene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Phenol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Pyrene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Pyridine	ND	10		µg/L	1	11/22/2010 5:31:27 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/22/2010 5:31:27 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/22/2010 5:31:27 PM
Surr: 2,4,6-Tribromophenol	33.7	17.5-104		%REC	1	11/22/2010 5:31:27 PM
Surr: 2-Fluorobiphenyl	52.0	30.9-98.9		%REC	1	11/22/2010 5:31:27 PM
Surr: 2-Fluorophenol	33.9	12.4-90.1		%REC	1	11/22/2010 5:31:27 PM
Surr: 4-Terphenyl-d14	34.3	43.5-91.9	S	%REC	1	11/22/2010 5:31:27 PM
Surr: Nitrobenzene-d5	55.3	26.2-108		%REC	1	11/22/2010 5:31:27 PM
Surr: Phenol-d5	30.5	11.8-73.1		%REC	1	11/22/2010 5:31:27 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: DAM
Benzene	ND	1.0		µg/L	1	11/24/2010 8:58:53 PM
Toluene	ND	1.0		µg/L	1	11/24/2010 8:58:53 PM
Ethylbenzene	ND	1.0		µg/L	1	11/24/2010 8:58:53 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/24/2010 8:58:53 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-7
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:20:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: DAM
Xylenes, Total	ND	3.0		µg/L	1	11/24/2010 8:58:53 PM
Surr: 4-Bromofluorobenzene	98.0	76.4-106		%REC	1	11/24/2010 8:58:53 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: IC
Specific Conductance	84000	0.10		µmhos/cm	10	11/23/2010 6:15:00 PM
SM4500-H+B: PH						Analyst: IC
pH	7.85	0.100		pH units	1	11/23/2010 6:11:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:55:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	28	1.0		mg/L	10	12/3/2010 6:08:45 AM
Chloride	14000	500		mg/L	1000	12/8/2010 8:01:34 AM
Bromide	5.9	1.0		mg/L	10	12/3/2010 6:08:45 AM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	12/3/2010 6:42:27 AM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	12/3/2010 6:08:45 AM
Sulfate	3300	50		mg/L	100	12/3/2010 6:19:59 AM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	12/2/2010 12:14:47 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/14/2010 11:38:44 AM
Barium	0.12	0.10		mg/L	5	12/7/2010 8:07:37 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 8:07:37 PM
Calcium	410	5.0		mg/L	5	12/7/2010 8:07:37 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 8:07:37 PM
Copper	ND	0.030		mg/L	5	12/7/2010 8:07:37 PM
Iron	0.48	0.10		mg/L	5	12/7/2010 8:07:37 PM
Lead	ND	0.025		mg/L	5	12/7/2010 8:07:37 PM
Magnesium	260	5.0		mg/L	5	12/7/2010 8:07:37 PM
Manganese	0.64	0.010		mg/L	5	12/7/2010 8:07:37 PM
Potassium	280	5.0		mg/L	5	12/7/2010 8:07:37 PM
Selenium	ND	0.25		mg/L	5	12/14/2010 11:38:44 AM
Silver	ND	0.025		mg/L	5	12/7/2010 8:07:37 PM
Sodium	7400	100		mg/L	100	12/9/2010 10:15:57 AM
Zinc	ND	0.25		mg/L	5	12/7/2010 8:07:37 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/7/2010 1:36:29 PM
Barium	0.14	0.10		mg/L	5	12/7/2010 1:36:29 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 1:36:29 PM
Chromium	0.035	0.030		mg/L	5	12/7/2010 1:36:29 PM
Copper	ND	0.030		mg/L	5	12/7/2010 1:36:29 PM
Iron	1.3	0.25		mg/L	5	12/7/2010 1:36:29 PM
Lead	ND	0.025		mg/L	5	12/7/2010 1:36:29 PM
Manganese	0.88	0.010		mg/L	5	12/7/2010 1:36:29 PM
Selenium	ND	0.25		mg/L	5	12/7/2010 1:36:29 PM
Silver	ND	0.025		mg/L	5	12/7/2010 1:36:29 PM
Zinc	ND	0.10		mg/L	5	12/7/2010 1:36:29 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:55:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Acenaphthylene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Aniline	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Anthracene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Azobenzene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Benz(a)anthracene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Benzoic acid	ND	20		µg/L	1	11/23/2010 2:11:20 PM
Benzyl alcohol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/23/2010 2:11:20 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Carbazole	ND	10		µg/L	1	11/23/2010 2:11:20 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
4-Chloroaniline	ND	10		µg/L	1	11/23/2010 2:11:20 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
2-Chlorophenol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Chrysene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Dibenzofuran	ND	10		µg/L	1	11/23/2010 2:11:20 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Diethyl phthalate	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Dimethyl phthalate	ND	10		µg/L	1	11/23/2010 2:11:20 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/23/2010 2:11:20 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/23/2010 2:11:20 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/23/2010 2:11:20 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 2:11:20 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:55:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Fluorene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Hexachlorobenzene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Hexachloroethane	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Isophorone	ND	10		µg/L	1	11/23/2010 2:11:20 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
2-Methylphenol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
3+4-Methylphenol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/23/2010 2:11:20 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/23/2010 2:11:20 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Naphthalene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
2-Nitroaniline	ND	10		µg/L	1	11/23/2010 2:11:20 PM
3-Nitroaniline	ND	10		µg/L	1	11/23/2010 2:11:20 PM
4-Nitroaniline	ND	20		µg/L	1	11/23/2010 2:11:20 PM
Nitrobenzene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
2-Nitrophenol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
4-Nitrophenol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Pentachlorophenol	ND	20		µg/L	1	11/23/2010 2:11:20 PM
Phenanthrene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Phenol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Pyrene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Pyridine	ND	10		µg/L	1	11/23/2010 2:11:20 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/23/2010 2:11:20 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/23/2010 2:11:20 PM
Surr: 2,4,6-Tribromophenol	52.8	17.5-104		%REC	1	11/23/2010 2:11:20 PM
Surr: 2-Fluorobiphenyl	55.3	30.9-98.9		%REC	1	11/23/2010 2:11:20 PM
Surr: 2-Fluorophenol	39.1	12.4-90.1		%REC	1	11/23/2010 2:11:20 PM
Surr: 4-Terphenyl-d14	53.6	43.5-91.9		%REC	1	11/23/2010 2:11:20 PM
Surr: Nitrobenzene-d5	50.5	26.2-108		%REC	1	11/23/2010 2:11:20 PM
Surr: Phenol-d5	33.0	11.8-73.1		%REC	1	11/23/2010 2:11:20 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/24/2010 9:26:23 PM
Toluene	ND	1.0		µg/L	1	11/24/2010 9:26:23 PM
Ethylbenzene	ND	1.0		µg/L	1	11/24/2010 9:26:23 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/24/2010 9:26:23 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-11
Lab Order:	1011811	**Collection Date:**	11/16/2010 1:55:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	ND	3.0		µg/L	1	11/24/2010 9:26:23 PM
Surr: 4-Bromofluorobenzene	102	76.4-106		%REC	1	11/24/2010 9:26:23 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	47000	0.50		µmhos/cm	50	11/23/2010 6:24:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.86	0.100		pH units	1	11/23/2010 6:19:00 PM

[redacted]ualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1011811	**Collection Date:**	11/16/2010 2:25:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	21	2.0		mg/L	20	12/3/2010 6:53:40 AM
Chloride	11000	500		mg/L	1000	12/8/2010 8:18:58 AM
Bromide	4.5	2.0		mg/L	20	12/3/2010 6:53:40 AM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	12/3/2010 7:49:49 AM
Phosphorus, Orthophosphate (As P)	ND	10	H	mg/L	20	12/3/2010 6:53:40 AM
Sulfate	3100	50		mg/L	100	12/3/2010 7:04:54 AM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	12/2/2010 12:16:32 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/14/2010 11:45:48 AM
Barium	ND	0.10		mg/L	5	12/7/2010 8:22:46 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 8:22:46 PM
Calcium	320	5.0		mg/L	5	12/7/2010 8:22:46 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 8:22:46 PM
Copper	ND	0.030		mg/L	5	12/7/2010 8:22:46 PM
Iron	0.40	0.10		mg/L	5	12/7/2010 8:22:46 PM
Lead	ND	0.025		mg/L	5	12/7/2010 8:22:46 PM
Magnesium	200	5.0		mg/L	5	12/7/2010 8:22:46 PM
Manganese	0.27	0.010		mg/L	5	12/7/2010 8:22:46 PM
Potassium	210	5.0		mg/L	5	12/7/2010 8:22:46 PM
Selenium	ND	0.25		mg/L	5	12/14/2010 11:45:48 AM
Silver	ND	0.025		mg/L	5	12/7/2010 8:22:46 PM
Sodium	6200	100		mg/L	100	12/9/2010 10:18:51 AM
Zinc	ND	0.25		mg/L	5	12/7/2010 8:22:46 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/7/2010 1:40:49 PM
Barium	ND	0.10		mg/L	5	12/7/2010 1:40:49 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 1:40:49 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 1:40:49 PM
Copper	ND	0.030		mg/L	5	12/7/2010 1:40:49 PM
Iron	1.1	0.25		mg/L	5	12/7/2010 1:40:49 PM
Lead	ND	0.025		mg/L	5	12/7/2010 1:40:49 PM
Manganese	0.40	0.010		mg/L	5	12/7/2010 1:40:49 PM
Selenium	ND	0.25		mg/L	5	12/7/2010 1:40:49 PM
Silver	ND	0.025		mg/L	5	12/7/2010 1:40:49 PM
Zinc	ND	0.10		mg/L	5	12/7/2010 1:40:49 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1011811	**Collection Date:**	11/16/2010 2:25:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Acenaphthylene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Aniline	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Anthracene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Azobenzene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Benz(a)anthracene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Benzoic acid	ND	20		µg/L	1	11/23/2010 2:41:24 PM
Benzyl alcohol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/23/2010 2:41:24 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Carbazole	ND	10		µg/L	1	11/23/2010 2:41:24 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
4-Chloroaniline	ND	10		µg/L	1	11/23/2010 2:41:24 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
2-Chlorophenol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Chrysene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Dibenzofuran	ND	10		µg/L	1	11/23/2010 2:41:24 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Diethyl phthalate	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Dimethyl phthalate	ND	10		µg/L	1	11/23/2010 2:41:24 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/23/2010 2:41:24 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/23/2010 2:41:24 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/23/2010 2:41:24 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 2:41:24 PM

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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1011811	**Collection Date:**	11/16/2010 2:25:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Fluorene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Hexachlorobenzene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Hexachloroethane	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Isophorone	ND	10		µg/L	1	11/23/2010 2:41:24 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
2-Methylphenol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
3+4-Methylphenol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/23/2010 2:41:24 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/23/2010 2:41:24 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Naphthalene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
2-Nitroaniline	ND	10		µg/L	1	11/23/2010 2:41:24 PM
3-Nitroaniline	ND	10		µg/L	1	11/23/2010 2:41:24 PM
4-Nitroaniline	ND	20		µg/L	1	11/23/2010 2:41:24 PM
Nitrobenzene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
2-Nitrophenol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
4-Nitrophenol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Pentachlorophenol	ND	20		µg/L	1	11/23/2010 2:41:24 PM
Phenanthrene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Phenol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Pyrene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Pyridine	ND	10		µg/L	1	11/23/2010 2:41:24 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/23/2010 2:41:24 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/23/2010 2:41:24 PM
Surr: 2,4,6-Tribromophenol	43.3	17.5-104		%REC	1	11/23/2010 2:41:24 PM
Surr: 2-Fluorobiphenyl	49.7	30.9-98.9		%REC	1	11/23/2010 2:41:24 PM
Surr: 2-Fluorophenol	48.0	12.4-90.1		%REC	1	11/23/2010 2:41:24 PM
Surr: 4-Terphenyl-d14	42.6	43.5-91.9	S	%REC	1	11/23/2010 2:41:24 PM
Surr: Nitrobenzene-d5	61.8	26.2-108		%REC	1	11/23/2010 2:41:24 PM
Surr: Phenol-d5	39.2	11.8-73.1		%REC	1	11/23/2010 2:41:24 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/24/2010 9:53:49 PM
Toluene	ND	1.0		µg/L	1	11/24/2010 9:53:49 PM
Ethylbenzene	ND	1.0		µg/L	1	11/24/2010 9:53:49 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/24/2010 9:53:49 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

[redacted]ll Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12A
Lab Order:	1011811	**Collection Date:**	11/16/2010 2:25:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	ND	3.0		µg/L	1	11/24/2010 9:53:49 PM
Surr: 4-Bromofluorobenzene	101	76.4-106		%REC	1	11/24/2010 9:53:49 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	39000	0.50		µmhos/cm	50	11/23/2010 6:32:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	8.07	0.100		pH units	1	11/23/2010 6:28:00 PM

[redacted]ualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1011811	**Collection Date:**	11/16/2010 2:40:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	22	1.0		mg/L	10	12/3/2010 8:01:03 AM
Chloride	6100	250		mg/L	500	12/4/2010 5:53:34 AM
Bromide	3.0	1.0		mg/L	10	12/3/2010 8:01:03 AM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	12/5/2010 3:57:36 PM
Phosphorus, Orthophosphate (As P)	ND	5.0	H	mg/L	10	12/3/2010 8:01:03 AM
Sulfate	1700	100		mg/L	200	12/3/2010 8:23:30 AM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	12/2/2010 12:18:15 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/14/2010 12:09:36 PM
Barium	ND	0.10		mg/L	5	12/7/2010 8:27:03 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 8:27:03 PM
Calcium	180	5.0		mg/L	5	12/7/2010 8:27:03 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 8:27:03 PM
Copper	ND	0.030		mg/L	5	12/7/2010 8:27:03 PM
Iron	0.84	0.10		mg/L	5	12/7/2010 8:27:03 PM
Lead	ND	0.025		mg/L	5	12/7/2010 8:27:03 PM
Magnesium	100	5.0		mg/L	5	12/7/2010 8:27:03 PM
Manganese	0.15	0.010		mg/L	5	12/7/2010 8:27:03 PM
Potassium	110	5.0		mg/L	5	12/7/2010 8:27:03 PM
Selenium	ND	0.25		mg/L	5	12/14/2010 12:09:36 PM
Silver	ND	0.025		mg/L	5	12/7/2010 8:27:03 PM
Sodium	3400	100		mg/L	100	12/9/2010 10:21:45 AM
Zinc	ND	0.25		mg/L	5	12/7/2010 8:27:03 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/7/2010 1:45:11 PM
Barium	ND	0.10		mg/L	5	12/7/2010 1:45:11 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 1:45:11 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 1:45:11 PM
Copper	ND	0.030		mg/L	5	12/7/2010 1:45:11 PM
Iron	1.4	0.25		mg/L	5	12/7/2010 1:45:11 PM
Lead	ND	0.025		mg/L	5	12/7/2010 1:45:11 PM
Manganese	0.19	0.010		mg/L	5	12/7/2010 1:45:11 PM
Selenium	ND	0.25		mg/L	5	12/7/2010 1:45:11 PM
Silver	ND	0.025		mg/L	5	12/7/2010 1:45:11 PM
Zinc	ND	0.10		mg/L	5	12/7/2010 1:45:11 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011811
Project: 2010 Semi Annual
Lab ID: 1011811-07

Client Sample ID: EP-12B
Collection Date: 11/16/2010 2:40:00 PM
Date Received: 11/17/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Acenaphthylene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Aniline	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Anthracene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Azobenzene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Benz(a)anthracene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Benzoic acid	ND	20		µg/L	1	11/23/2010 5:10:37 PM
Benzyl alcohol	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/23/2010 5:10:37 PM
[redacted]is(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/23/2010 5:10:37 PM
[redacted]romophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Carbazole	ND	10		µg/L	1	11/23/2010 5:10:37 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/23/2010 5:10:37 PM
4-Chloroaniline	ND	10		µg/L	1	11/23/2010 5:10:37 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
2-Chlorophenol	ND	10		µg/L	1	11/23/2010 5:10:37 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Chrysene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Dibenzofuran	ND	10		µg/L	1	11/23/2010 5:10:37 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Diethyl phthalate	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Dimethyl phthalate	ND	10		µg/L	1	11/23/2010 5:10:37 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/23/2010 5:10:37 PM
2,4-Dimethylphenol	ND	10		µg/L	1	11/23/2010 5:10:37 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/23/2010 5:10:37 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/23/2010 5:10:37 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 5:10:37 PM

[redacted]lifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1011811	**Collection Date:**	11/16/2010 2:40:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Fluorene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Hexachlorobenzene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Hexachloroethane	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Isophorone	ND	10		µg/L	1	11/23/2010 5:10:37 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
2-Methylphenol	66	10		µg/L	1	11/23/2010 5:10:37 PM
3+4-Methylphenol	78	10		µg/L	1	11/23/2010 5:10:37 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/23/2010 5:10:37 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/23/2010 5:10:37 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Naphthalene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
2-Nitroaniline	ND	10		µg/L	1	11/23/2010 5:10:37 PM
3-Nitroaniline	ND	10		µg/L	1	11/23/2010 5:10:37 PM
4-Nitroaniline	ND	20		µg/L	1	11/23/2010 5:10:37 PM
Nitrobenzene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
2-Nitrophenol	ND	10		µg/L	1	11/23/2010 5:10:37 PM
4-Nitrophenol	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Pentachlorophenol	ND	20		µg/L	1	11/23/2010 5:10:37 PM
Phenanthrene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Phenol	200	10		µg/L	1	11/23/2010 5:10:37 PM
Pyrene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Pyridine	ND	10		µg/L	1	11/23/2010 5:10:37 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/23/2010 5:10:37 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/23/2010 5:10:37 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/23/2010 5:10:37 PM
Surr: 2,4,6-Tribromophenol	47.3	17.5-104		%REC	1	11/23/2010 5:10:37 PM
Surr: 2-Fluorobiphenyl	53.8	30.9-98.9		%REC	1	11/23/2010 5:10:37 PM
Surr: 2-Fluorophenol	40.3	12.4-90.1		%REC	1	11/23/2010 5:10:37 PM
Surr: 4-Terphenyl-d14	53.5	43.5-91.9		%REC	1	11/23/2010 5:10:37 PM
Surr: Nitrobenzene-d5	57.8	26.2-108		%REC	1	11/23/2010 5:10:37 PM
Surr: Phenol-d5	34.7	11.8-73.1		%REC	1	11/23/2010 5:10:37 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/24/2010 10:21:15 PM
Toluene	ND	1.0		µg/L	1	11/24/2010 10:21:15 PM
Ethylbenzene	ND	1.0		µg/L	1	11/24/2010 10:21:15 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/24/2010 10:21:15 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

[redacted]ll Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-12B
Lab Order:	1011811	**Collection Date:**	11/16/2010 2:40:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	ND	3.0		µg/L	1	11/24/2010 10:21:15 PM
Surr: 4-Bromofluorobenzene	100	76.4-106		%REC	1	11/24/2010 10:21:15 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	22000	0.50		µmhos/cm	50	11/23/2010 6:40:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.74	0.100		pH units	1	11/23/2010 6:36:00 PM

[redacted]ualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:05:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	41	5.0		mg/L	50	12/4/2010 2:53:50 AM
Chloride	3500	100		mg/L	200	12/4/2010 3:27:34 AM
Bromide	1.8	0.50		mg/L	5	12/4/2010 2:42:36 AM
Nitrate (As N)+Nitrite (As N)	ND	10		mg/L	50	12/8/2010 5:07:26 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	12/4/2010 2:42:36 AM
Sulfate	970	25		mg/L	50	12/13/2010 4:20:32 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	0.00045	0.00020		mg/L	1	12/2/2010 12:20:01 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/14/2010 12:12:03 PM
Barium	ND	0.10		mg/L	5	12/7/2010 8:31:27 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 8:31:27 PM
Calcium	150	5.0		mg/L	5	12/7/2010 8:31:27 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 8:31:27 PM
Copper	ND	0.030		mg/L	5	12/7/2010 8:31:27 PM
Iron	0.71	0.10		mg/L	5	12/7/2010 8:31:27 PM
Lead	ND	0.025		mg/L	5	12/7/2010 8:31:27 PM
Magnesium	59	5.0		mg/L	5	12/7/2010 8:31:27 PM
Manganese	0.18	0.010		mg/L	5	12/7/2010 8:31:27 PM
Potassium	65	5.0		mg/L	5	12/7/2010 8:31:27 PM
Selenium	ND	0.25		mg/L	5	12/14/2010 12:12:03 PM
Silver	ND	0.025		mg/L	5	12/7/2010 8:31:27 PM
Sodium	2100	50		mg/L	50	12/9/2010 10:47:09 AM
Zinc	ND	0.25		mg/L	5	12/7/2010 8:31:27 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/7/2010 1:49:35 PM
Barium	0.11	0.10		mg/L	5	12/7/2010 1:49:35 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 1:49:35 PM
Chromium	0.051	0.030		mg/L	5	12/7/2010 1:49:35 PM
Copper	ND	0.030		mg/L	5	12/7/2010 1:49:35 PM
Iron	7.9	0.50		mg/L	10	12/7/2010 2:53:59 PM
Lead	ND	0.025		mg/L	5	12/7/2010 1:49:35 PM
Manganese	0.41	0.010		mg/L	5	12/7/2010 1:49:35 PM
Selenium	ND	0.25		mg/L	5	12/7/2010 1:49:35 PM
Silver	ND	0.025		mg/L	5	12/7/2010 1:49:35 PM
Zinc	0.59	0.10		mg/L	5	12/7/2010 1:49:35 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:05:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Acenaphthylene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Aniline	480	100		µg/L	10	11/24/2010 8:57:40 AM
Anthracene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Azobenzene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Benz(a)anthracene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Benzoic acid	ND	20		µg/L	1	11/23/2010 5:40:17 PM
Benzyl alcohol	11	10		µg/L	1	11/23/2010 5:40:17 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/23/2010 5:40:17 PM
[redacted]-Bromophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Carbazole	10	10		µg/L	1	11/23/2010 5:40:17 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/23/2010 5:40:17 PM
4-Chloroaniline	ND	10		µg/L	1	11/23/2010 5:40:17 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
2-Chlorophenol	ND	10		µg/L	1	11/23/2010 5:40:17 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Chrysene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Dibenzofuran	ND	10		µg/L	1	11/23/2010 5:40:17 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Diethyl phthalate	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Dimethyl phthalate	ND	10		µg/L	1	11/23/2010 5:40:17 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/23/2010 5:40:17 PM
2,4-Dimethylphenol	240	100		µg/L	10	11/24/2010 8:57:40 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/23/2010 5:40:17 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/23/2010 5:40:17 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 5:40:17 PM

[redacted]alifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:05:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Fluorene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Hexachlorobenzene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Hexachloroethane	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Isophorone	ND	10		µg/L	1	11/23/2010 5:40:17 PM
2-Methylnaphthalene	89	10		µg/L	1	11/23/2010 5:40:17 PM
2-Methylphenol	1500	100		µg/L	10	11/24/2010 8:57:40 AM
3+4-Methylphenol	2100	500		µg/L	50	11/24/2010 10:57:24 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/23/2010 5:40:17 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/23/2010 5:40:17 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Naphthalene	27	10		µg/L	1	11/23/2010 5:40:17 PM
2-Nitroaniline	ND	10		µg/L	1	11/23/2010 5:40:17 PM
3-Nitroaniline	ND	10		µg/L	1	11/23/2010 5:40:17 PM
4-Nitroaniline	ND	20		µg/L	1	11/23/2010 5:40:17 PM
Nitrobenzene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
2-Nitrophenol	ND	10		µg/L	1	11/23/2010 5:40:17 PM
4-Nitrophenol	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Pentachlorophenol	ND	20		µg/L	1	11/23/2010 5:40:17 PM
Phenanthrene	14	10		µg/L	1	11/23/2010 5:40:17 PM
Phenol	3300	500		µg/L	50	11/24/2010 10:57:24 AM
Pyrene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Pyridine	11	10		µg/L	1	11/23/2010 5:40:17 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/23/2010 5:40:17 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/23/2010 5:40:17 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/23/2010 5:40:17 PM
Surr: 2,4,6-Tribromophenol	58.9	17.5-104		%REC	1	11/23/2010 5:40:17 PM
Surr: 2-Fluorobiphenyl	58.5	30.9-98.9		%REC	1	11/23/2010 5:40:17 PM
Surr: 2-Fluorophenol	58.1	12.4-90.1		%REC	1	11/23/2010 5:40:17 PM
Surr: 4-Terphenyl-d14	83.7	43.5-91.9		%REC	1	11/23/2010 5:40:17 PM
Surr: Nitrobenzene-d5	86.7	26.2-108		%REC	1	11/23/2010 5:40:17 PM
Surr: Phenol-d5	48.8	11.8-73.1		%REC	1	11/23/2010 5:40:17 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/24/2010 10:48:44 PM
Toluene	3.0	1.0		µg/L	1	11/24/2010 10:48:44 PM
Ethylbenzene	1.9	1.0		µg/L	1	11/24/2010 10:48:44 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/24/2010 10:48:44 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:05:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	15	3.0		µg/L	1	11/24/2010 10:48:44 PM
Surr: 4-Bromofluorobenzene	11100	76.4-106	S	%REC	1	11/24/2010 10:48:44 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	14000	0.50		µmhos/cm	50	11/23/2010 6:49:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.38	0.100		pH units	1	11/23/2010 6:44:00 PM

ualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:20:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	350	20		mg/L	200	12/8/2010 12:03:04 AM
Chloride	140	10		mg/L	20	12/5/2010 1:54:01 PM
Bromide	1.2	0.50		mg/L	5	12/4/2010 3:50:02 AM
Nitrate (As N)+Nitrite (As N)	4.8	1.0		mg/L	5	12/5/2010 4:20:03 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	12/4/2010 3:50:02 AM
Sulfate	1000	10		mg/L	20	12/5/2010 1:54:01 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	0.00067	0.00020		mg/L	1	12/2/2010 12:21:46 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/14/2010 12:14:27 PM
Barium	ND	0.10		mg/L	5	12/7/2010 8:35:46 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 8:35:46 PM
Calcium	12	5.0		mg/L	5	12/7/2010 8:35:46 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 8:35:46 PM
Copper	ND	0.030		mg/L	5	12/7/2010 8:35:46 PM
Iron	4.3	0.10		mg/L	5	12/7/2010 8:35:46 PM
Lead	ND	0.025		mg/L	5	12/7/2010 8:35:46 PM
Magnesium	6.7	5.0		mg/L	5	12/7/2010 8:35:46 PM
Manganese	0.15	0.010		mg/L	5	12/7/2010 8:35:46 PM
Potassium	72	5.0		mg/L	5	12/7/2010 8:35:46 PM
Selenium	ND	0.25		mg/L	5	12/14/2010 12:14:27 PM
Silver	ND	0.025		mg/L	5	12/7/2010 8:35:46 PM
Sodium	580	10		mg/L	10	12/9/2010 1:04:40 PM
Zinc	ND	0.25		mg/L	5	12/7/2010 8:35:46 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/7/2010 1:53:55 PM
Barium	ND	0.10		mg/L	5	12/7/2010 1:53:55 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 1:53:55 PM
Chromium	0.039	0.030		mg/L	5	12/7/2010 1:53:55 PM
Copper	ND	0.030		mg/L	5	12/7/2010 1:53:55 PM
Iron	14	1.0		mg/L	20	12/9/2010 12:50:12 PM
Lead	ND	0.025		mg/L	5	12/7/2010 1:53:55 PM
Manganese	0.19	0.010		mg/L	5	12/7/2010 1:53:55 PM
Selenium	ND	0.25		mg/L	5	12/7/2010 1:53:55 PM
Silver	ND	0.025		mg/L	5	12/7/2010 1:53:55 PM
Zinc	0.89	0.10		mg/L	5	12/7/2010 1:53:55 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:20:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Acenaphthylene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Aniline	600	100		µg/L	10	11/24/2010 9:27:34 AM
Anthracene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Azobenzene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Benz(a)anthracene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Benzoic acid	ND	20		µg/L	1	11/23/2010 6:10:01 PM
Benzyl alcohol	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Bis(2-ethylhexyl)phthalate	11	10		µg/L	1	11/23/2010 6:10:01 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Carbazole	17	10		µg/L	1	11/23/2010 6:10:01 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/23/2010 6:10:01 PM
4-Chloroaniline	ND	10		µg/L	1	11/23/2010 6:10:01 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
2-Chlorophenol	ND	10		µg/L	1	11/23/2010 6:10:01 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Chrysene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Dibenzofuran	ND	10		µg/L	1	11/23/2010 6:10:01 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Diethyl phthalate	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Dimethyl phthalate	ND	10		µg/L	1	11/23/2010 6:10:01 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/23/2010 6:10:01 PM
2,4-Dimethylphenol	360	100		µg/L	10	11/24/2010 9:27:34 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/23/2010 6:10:01 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/23/2010 6:10:01 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 6:10:01 PM

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- NC Non-Chlorinated
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- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:20:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Fluorene	17	10		µg/L	1	11/23/2010 6:10:01 PM
Hexachlorobenzene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Hexachloroethane	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Isophorone	ND	10		µg/L	1	11/23/2010 6:10:01 PM
2-Methylnaphthalene	180	10		µg/L	1	11/23/2010 6:10:01 PM
2-Methylphenol	2100	100		µg/L	10	11/24/2010 9:27:34 AM
3+4-Methylphenol	4200	1000		µg/L	100	11/24/2010 11:27:13 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/23/2010 6:10:01 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/23/2010 6:10:01 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Naphthalene	25	10		µg/L	1	11/23/2010 6:10:01 PM
2-Nitroaniline	ND	10		µg/L	1	11/23/2010 6:10:01 PM
3-Nitroaniline	ND	10		µg/L	1	11/23/2010 6:10:01 PM
4-Nitroaniline	ND	20		µg/L	1	11/23/2010 6:10:01 PM
Nitrobenzene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
2-Nitrophenol	ND	10		µg/L	1	11/23/2010 6:10:01 PM
4-Nitrophenol	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Pentachlorophenol	ND	20		µg/L	1	11/23/2010 6:10:01 PM
Phenanthrene	110	10		µg/L	1	11/23/2010 6:10:01 PM
Phenol	8500	1000		µg/L	100	11/24/2010 11:27:13 AM
Pyrene	12	10		µg/L	1	11/23/2010 6:10:01 PM
Pyridine	ND	10		µg/L	1	11/23/2010 6:10:01 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/23/2010 6:10:01 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/23/2010 6:10:01 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/23/2010 6:10:01 PM
Surr: 2,4,6-Tribromophenol	21.0	17.5-104		%REC	1	11/23/2010 6:10:01 PM
Surr: 2-Fluorobiphenyl	67.7	30.9-98.9		%REC	1	11/23/2010 6:10:01 PM
Surr: 2-Fluorophenol	61.7	12.4-90.1		%REC	1	11/23/2010 6:10:01 PM
Surr: 4-Terphenyl-d14	94.4	43.5-91.9	S	%REC	1	11/23/2010 6:10:01 PM
Surr: Nitrobenzene-d5	88.0	26.2-108		%REC	1	11/23/2010 6:10:01 PM
Surr: Phenol-d5	56.9	11.8-73.1		%REC	1	11/23/2010 6:10:01 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/24/2010 11:16:06 PM
Toluene	ND	1.0		µg/L	1	11/24/2010 11:16:06 PM
Ethylbenzene	ND	1.0		µg/L	1	11/24/2010 11:16:06 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/24/2010 11:16:06 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:20:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	7.8	3.0		µg/L	1	11/24/2010 11:16:06 PM
Surr: 4-Bromofluorobenzene	105	76.4-106		%REC	1	11/24/2010 11:16:06 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	4300	0.010		µmhos/cm	1	11/23/2010 6:53:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.40	0.100		pH units	1	11/23/2010 6:53:00 PM

alifiers:

* Value exceeds Maximum Contaminant Level	B Analyte detected in the associated Method Blank
E Estimated value	H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits	MCL Maximum Contaminant Level
NC Non-Chlorinated	ND Not Detected at the Reporting Limit
PQL Practical Quantitation Limit	S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:40:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	11	1.0		mg/L	10	12/9/2010 9:28:35 AM
Chloride	5100	2500		mg/L	5000	12/8/2010 12:48:01 AM
Bromide	1.4	0.50		mg/L	5	12/10/2010 10:14:43 PM
Nitrate (As N)+Nitrite (As N)	ND	200		mg/L	1000	12/8/2010 5:42:16 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	12/4/2010 1:12:46 AM
Sulfate	1000	25		mg/L	50	12/13/2010 11:16:28 AM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	12/2/2010 12:27:13 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/14/2010 12:16:52 PM
Barium	ND	0.10		mg/L	5	12/7/2010 8:38:47 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 8:38:47 PM
Calcium	160	5.0		mg/L	5	12/7/2010 8:38:47 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 8:38:47 PM
Copper	ND	0.030		mg/L	5	12/7/2010 8:38:47 PM
Iron	0.24	0.10		mg/L	5	12/7/2010 8:38:47 PM
Lead	ND	0.025		mg/L	5	12/7/2010 8:38:47 PM
Magnesium	67	5.0		mg/L	5	12/7/2010 8:38:47 PM
Manganese	0.15	0.010		mg/L	5	12/7/2010 8:38:47 PM
Potassium	71	5.0		mg/L	5	12/7/2010 8:38:47 PM
Selenium	ND	0.25		mg/L	5	12/14/2010 12:16:52 PM
Silver	ND	0.025		mg/L	5	12/7/2010 8:38:47 PM
Sodium	2300	50		mg/L	50	12/9/2010 10:50:02 AM
Zinc	ND	0.25		mg/L	5	12/7/2010 8:38:47 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/7/2010 1:58:48 PM
Barium	ND	0.10		mg/L	5	12/7/2010 1:58:48 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 1:58:48 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 1:58:48 PM
Copper	ND	0.030		mg/L	5	12/7/2010 1:58:48 PM
Iron	0.65	0.25		mg/L	5	12/7/2010 1:58:48 PM
Lead	ND	0.025		mg/L	5	12/7/2010 1:58:48 PM
Manganese	0.19	0.010		mg/L	5	12/7/2010 1:58:48 PM
Selenium	ND	0.25		mg/L	5	12/7/2010 1:58:48 PM
Silver	ND	0.025		mg/L	5	12/7/2010 1:58:48 PM
Zinc	ND	0.10		mg/L	5	12/7/2010 1:58:48 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:40:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Acenaphthylene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Aniline	260	100		µg/L	10	11/24/2010 9:57:23 AM
Anthracene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Azobenzene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Benz(a)anthracene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Benzoic acid	ND	20		µg/L	1	11/23/2010 6:39:32 PM
Benzyl alcohol	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/23/2010 6:39:32 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Carbazole	ND	10		µg/L	1	11/23/2010 6:39:32 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/23/2010 6:39:32 PM
4-Chloroaniline	ND	10		µg/L	1	11/23/2010 6:39:32 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
2-Chlorophenol	ND	10		µg/L	1	11/23/2010 6:39:32 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Chrysene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Dibenzofuran	ND	10		µg/L	1	11/23/2010 6:39:32 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Diethyl phthalate	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Dimethyl phthalate	ND	10		µg/L	1	11/23/2010 6:39:32 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/23/2010 6:39:32 PM
2,4-Dimethylphenol	140	10		µg/L	1	11/23/2010 6:39:32 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/23/2010 6:39:32 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/23/2010 6:39:32 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 6:39:32 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:40:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluoranthene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Fluorene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Hexachlorobenzene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Hexachloroethane	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Isophorone	ND	10		µg/L	1	11/23/2010 6:39:32 PM
2-Methylnaphthalene	26	10		µg/L	1	11/23/2010 6:39:32 PM
2-Methylphenol	910	100		µg/L	10	11/24/2010 9:57:23 AM
3+4-Methylphenol	1900	200		µg/L	20	11/24/2010 11:56:57 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/23/2010 6:39:32 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/23/2010 6:39:32 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Naphthalene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
2-Nitroaniline	ND	10		µg/L	1	11/23/2010 6:39:32 PM
3-Nitroaniline	ND	10		µg/L	1	11/23/2010 6:39:32 PM
4-Nitroaniline	ND	20		µg/L	1	11/23/2010 6:39:32 PM
Nitrobenzene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
2-Nitrophenol	ND	10		µg/L	1	11/23/2010 6:39:32 PM
4-Nitrophenol	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Pentachlorophenol	ND	20		µg/L	1	11/23/2010 6:39:32 PM
Phenanthrene	10	10		µg/L	1	11/23/2010 6:39:32 PM
Phenol	2400	100		µg/L	10	11/24/2010 9:57:23 AM
Pyrene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Pyridine	ND	10		µg/L	1	11/23/2010 6:39:32 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/23/2010 6:39:32 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/23/2010 6:39:32 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/23/2010 6:39:32 PM
Surr: 2,4,6-Tribromophenol	50.7	17.5-104		%REC	1	11/23/2010 6:39:32 PM
Surr: 2-Fluorobiphenyl	51.4	30.9-98.9		%REC	1	11/23/2010 6:39:32 PM
Surr: 2-Fluorophenol	43.3	12.4-90.1		%REC	1	11/23/2010 6:39:32 PM
Surr: 4-Terphenyl-d14	86.9	43.5-91.9		%REC	1	11/23/2010 6:39:32 PM
Surr: Nitrobenzene-d5	82.2	26.2-108		%REC	1	11/23/2010 6:39:32 PM
Surr: Phenol-d5	46.2	11.8-73.1		%REC	1	11/23/2010 6:39:32 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: DAM
Benzene	ND	1.0		µg/L	1	11/24/2010 11:43:29 PM
Toluene	1.2	1.0		µg/L	1	11/24/2010 11:43:29 PM
Ethylbenzene	ND	1.0		µg/L	1	11/24/2010 11:43:29 PM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/24/2010 11:43:29 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-3
Lab Order:	1011811	**Collection Date:**	11/16/2010 3:40:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	5.7	3.0		µg/L	1	11/24/2010 11:43:29 PM
Surr: 4-Bromofluorobenzene	102	76.4-106		%REC	1	11/24/2010 11:43:29 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	16000	0.50		µmhos/cm	50	11/23/2010 7:05:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.66	0.100		pH units	1	11/23/2010 7:01:00 PM

ualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1011811	**Collection Date:**	11/16/2010 4:05:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	22	2.0		mg/L	20	12/8/2010 12:59:15 AM
Chloride	4500	250		mg/L	500	12/4/2010 1:57:40 AM
Bromide	2.0	0.50		mg/L	5	12/4/2010 1:46:27 AM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	12/5/2010 2:27:43 PM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	12/4/2010 1:46:27 AM
Sulfate	1100	25		mg/L	50	12/9/2010 6:28:02 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	12/2/2010 12:28:59 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/14/2010 12:19:15 PM
Barium	ND	0.10		mg/L	5	12/7/2010 8:43:06 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 8:43:06 PM
Calcium	210	5.0		mg/L	5	12/7/2010 8:43:06 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 8:43:06 PM
Copper	ND	0.030		mg/L	5	12/7/2010 8:43:06 PM
Iron	0.22	0.10		mg/L	5	12/7/2010 8:43:06 PM
Lead	ND	0.025		mg/L	5	12/7/2010 8:43:06 PM
Magnesium	83	5.0		mg/L	5	12/7/2010 8:43:06 PM
Manganese	0.14	0.010		mg/L	5	12/7/2010 8:43:06 PM
Potassium	85	5.0		mg/L	5	12/7/2010 8:43:06 PM
Selenium	ND	0.25		mg/L	5	12/14/2010 12:19:15 PM
Silver	ND	0.025		mg/L	5	12/7/2010 8:43:06 PM
Sodium	2600	50		mg/L	50	12/9/2010 10:52:58 AM
Zinc	ND	0.25		mg/L	5	12/7/2010 8:43:06 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/7/2010 2:03:09 PM
Barium	ND	0.10		mg/L	5	12/7/2010 2:03:09 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 2:03:09 PM
Chromium	ND	0.030		mg/L	5	12/7/2010 2:03:09 PM
Copper	ND	0.030		mg/L	5	12/7/2010 2:03:09 PM
Iron	0.50	0.25		mg/L	5	12/7/2010 2:03:09 PM
Lead	ND	0.025		mg/L	5	12/7/2010 2:03:09 PM
Manganese	0.17	0.010		mg/L	5	12/7/2010 2:03:09 PM
Selenium	ND	0.25		mg/L	5	12/7/2010 2:03:09 PM
Silver	ND	0.025		mg/L	5	12/7/2010 2:03:09 PM
Zinc	ND	0.10		mg/L	5	12/7/2010 2:03:09 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

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- B Analyte detected in the associated Method Blank
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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

[redacted]all Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1011811	**Collection Date:**	11/16/2010 4:05:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Acenaphthylene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Aniline	210	10		µg/L	1	11/23/2010 7:08:56 PM
Anthracene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Azobenzene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Benz(a)anthracene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Benzo(a)pyrene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Benzoic acid	ND	20		µg/L	1	11/23/2010 7:08:56 PM
Benzyl alcohol	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Bis(2-ethylhexyl)phthalate	15	10		µg/L	1	11/23/2010 7:08:56 PM
[redacted]-Bromophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Butyl benzyl phthalate	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Carbazole	ND	10		µg/L	1	11/23/2010 7:08:56 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/23/2010 7:08:56 PM
4-Chloroaniline	ND	10		µg/L	1	11/23/2010 7:08:56 PM
2-Chloronaphthalene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
2-Chlorophenol	ND	10		µg/L	1	11/23/2010 7:08:56 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Chrysene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Di-n-butyl phthalate	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Di-n-octyl phthalate	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Dibenzofuran	ND	10		µg/L	1	11/23/2010 7:08:56 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Diethyl phthalate	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Dimethyl phthalate	ND	10		µg/L	1	11/23/2010 7:08:56 PM
2,4-Dichlorophenol	ND	20		µg/L	1	11/23/2010 7:08:56 PM
2,4-Dimethylphenol	110	10		µg/L	1	11/23/2010 7:08:56 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/23/2010 7:08:56 PM
2,4-Dinitrophenol	ND	20		µg/L	1	11/23/2010 7:08:56 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/23/2010 7:08:56 PM

[redacted]ualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1011811	**Collection Date:**	11/16/2010 4:05:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluoranthene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Fluorene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Hexachlorobenzene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Hexachlorobutadiene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Hexachloroethane	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Isophorone	ND	10		µg/L	1	11/23/2010 7:08:56 PM
2-Methylnaphthalene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
2-Methylphenol	550	200		µg/L	20	11/24/2010 10:27:23 AM
3+4-Methylphenol	1300	200		µg/L	20	11/24/2010 10:27:23 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/23/2010 7:08:56 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/23/2010 7:08:56 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Naphthalene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
2-Nitroaniline	ND	10		µg/L	1	11/23/2010 7:08:56 PM
3-Nitroaniline	ND	10		µg/L	1	11/23/2010 7:08:56 PM
4-Nitroaniline	ND	20		µg/L	1	11/23/2010 7:08:56 PM
Nitrobenzene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
2-Nitrophenol	ND	10		µg/L	1	11/23/2010 7:08:56 PM
4-Nitrophenol	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Pentachlorophenol	ND	20		µg/L	1	11/23/2010 7:08:56 PM
Phenanthrene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Phenol	1600	200		µg/L	20	11/24/2010 10:27:23 AM
Pyrene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Pyridine	ND	10		µg/L	1	11/23/2010 7:08:56 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/23/2010 7:08:56 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/23/2010 7:08:56 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/23/2010 7:08:56 PM
Surr: 2,4,6-Tribromophenol	52.2	17.5-104		%REC	1	11/23/2010 7:08:56 PM
Surr: 2-Fluorobiphenyl	46.0	30.9-98.9		%REC	1	11/23/2010 7:08:56 PM
Surr: 2-Fluorophenol	49.2	12.4-90.1		%REC	1	11/23/2010 7:08:56 PM
Surr: 4-Terphenyl-d14	81.3	43.5-91.9		%REC	1	11/23/2010 7:08:56 PM
Surr: Nitrobenzene-d5	73.0	26.2-108		%REC	1	11/23/2010 7:08:56 PM
Surr: Phenol-d5	42.2	11.8-73.1		%REC	1	11/23/2010 7:08:56 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: DAM
Benzene	ND	1.0		µg/L	1	11/25/2010 12:10:59 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 12:10:59 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 12:10:59 AM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/25/2010 12:10:59 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-4
Lab Order:	1011811	**Collection Date:**	11/16/2010 4:05:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	ND	3.0		µg/L	1	11/25/2010 12:10:59 AM
Surr: 4-Bromofluorobenzene	103	76.4-106		%REC	1	11/25/2010 12:10:59 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	18000	0.50		µmhos/cm	50	11/23/2010 7:13:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.81	0.100		pH units	1	11/23/2010 7:09:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1011811	**Collection Date:**	11/16/2010 4:25:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	20	2.0		mg/L	20	11/24/2010 9:37:58 AM
Chloride	4200	250		mg/L	500	12/4/2010 6:27:15 AM
Bromide	2.1	0.50		mg/L	5	11/24/2010 9:20:33 AM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	12/8/2010 5:24:51 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	11/24/2010 9:20:33 AM
Sulfate	1200	25		mg/L	50	12/5/2010 1:31:33 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	12/2/2010 12:30:45 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/14/2010 12:21:38 PM
Barium	ND	0.10		mg/L	5	12/7/2010 8:59:41 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 8:59:41 PM
Calcium	210	5.0		mg/L	5	12/7/2010 8:59:41 PM
Chromium	0.031	0.030		mg/L	5	12/7/2010 8:59:41 PM
Copper	ND	0.030		mg/L	5	12/7/2010 8:59:41 PM
Iron	0.37	0.10		mg/L	5	12/7/2010 8:59:41 PM
Lead	ND	0.025		mg/L	5	12/7/2010 8:59:41 PM
Magnesium	84	5.0		mg/L	5	12/7/2010 8:59:41 PM
Manganese	0.19	0.010		mg/L	5	12/7/2010 8:59:41 PM
Potassium	91	5.0		mg/L	5	12/7/2010 8:59:41 PM
Selenium	ND	0.25		mg/L	5	12/14/2010 12:21:38 PM
Silver	ND	0.025		mg/L	5	12/7/2010 8:59:41 PM
Sodium	2600	50		mg/L	50	12/9/2010 10:55:55 AM
Zinc	ND	0.25		mg/L	5	12/7/2010 8:59:41 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.10		mg/L	5	12/7/2010 2:19:18 PM
Barium	ND	0.10		mg/L	5	12/7/2010 2:19:18 PM
Cadmium	ND	0.010		mg/L	5	12/7/2010 2:19:18 PM
Chromium	0.043	0.030		mg/L	5	12/7/2010 2:19:18 PM
Copper	ND	0.030		mg/L	5	12/7/2010 2:19:18 PM
Iron	0.68	0.25		mg/L	5	12/7/2010 2:19:18 PM
Lead	ND	0.025		mg/L	5	12/7/2010 2:19:18 PM
Manganese	0.22	0.010		mg/L	5	12/7/2010 2:19:18 PM
Selenium	ND	0.25		mg/L	5	12/7/2010 2:19:18 PM
Silver	ND	0.025		mg/L	5	12/7/2010 2:19:18 PM
Zinc	ND	0.10		mg/L	5	12/7/2010 2:19:18 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1011811	**Collection Date:**	11/16/2010 4:25:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Acenaphthylene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Aniline	120	50		µg/L	1	11/22/2010 6:00:59 PM
Anthracene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Azobenzene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Benz(a)anthracene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Benzo(a)pyrene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Benzo(b)fluoranthene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Benzo(g,h,i)perylene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Benzo(k)fluoranthene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Benzoic acid	ND	100		µg/L	1	11/22/2010 6:00:59 PM
Benzyl alcohol	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Bis(2-chloroethyl)ether	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	11/22/2010 6:00:59 PM
4-Bromophenyl phenyl ether	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Butyl benzyl phthalate	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Carbazole	ND	50		µg/L	1	11/22/2010 6:00:59 PM
4-Chloro-3-methylphenol	ND	50		µg/L	1	11/22/2010 6:00:59 PM
4-Chloroaniline	ND	50		µg/L	1	11/22/2010 6:00:59 PM
2-Chloronaphthalene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
2-Chlorophenol	ND	50		µg/L	1	11/22/2010 6:00:59 PM
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Chrysene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Di-n-butyl phthalate	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Di-n-octyl phthalate	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Dibenz(a,h)anthracene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Dibenzofuran	ND	50		µg/L	1	11/22/2010 6:00:59 PM
1,2-Dichlorobenzene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
1,3-Dichlorobenzene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
1,4-Dichlorobenzene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
3,3'-Dichlorobenzidine	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Diethyl phthalate	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Dimethyl phthalate	ND	50		µg/L	1	11/22/2010 6:00:59 PM
2,4-Dichlorophenol	ND	100		µg/L	1	11/22/2010 6:00:59 PM
2,4-Dimethylphenol	90	50		µg/L	1	11/22/2010 6:00:59 PM
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	11/22/2010 6:00:59 PM
2,4-Dinitrophenol	ND	100		µg/L	1	11/22/2010 6:00:59 PM
2,4-Dinitrotoluene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
2,6-Dinitrotoluene	ND	50		µg/L	1	11/22/2010 6:00:59 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1011811	**Collection Date:**	11/16/2010 4:25:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Fluorene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Hexachlorobenzene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Hexachlorobutadiene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Hexachlorocyclopentadiene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Hexachloroethane	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Isophorone	ND	50		µg/L	1	11/22/2010 6:00:59 PM
2-Methylnaphthalene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
2-Methylphenol	600	50		µg/L	1	11/22/2010 6:00:59 PM
3+4-Methylphenol	1100	100		µg/L	2	11/23/2010 12:10:20 PM
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	11/22/2010 6:00:59 PM
N-Nitrosodimethylamine	ND	50		µg/L	1	11/22/2010 6:00:59 PM
N-Nitrosodiphenylamine	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Naphthalene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
2-Nitroaniline	ND	50		µg/L	1	11/22/2010 6:00:59 PM
3-Nitroaniline	ND	50		µg/L	1	11/22/2010 6:00:59 PM
4-Nitroaniline	ND	100		µg/L	1	11/22/2010 6:00:59 PM
Nitrobenzene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
2-Nitrophenol	ND	50		µg/L	1	11/22/2010 6:00:59 PM
4-Nitrophenol	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Pentachlorophenol	ND	100		µg/L	1	11/22/2010 6:00:59 PM
Phenanthrene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Phenol	1200	100		µg/L	2	11/23/2010 12:10:20 PM
Pyrene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Pyridine	ND	50		µg/L	1	11/22/2010 6:00:59 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	1	11/22/2010 6:00:59 PM
2,4,5-Trichlorophenol	ND	50		µg/L	1	11/22/2010 6:00:59 PM
2,4,6-Trichlorophenol	ND	50		µg/L	1	11/22/2010 6:00:59 PM
Surr: 2,4,6-Tribromophenol	76.8	17.5-104		%REC	1	11/22/2010 6:00:59 PM
Surr: 2-Fluorobiphenyl	82.8	30.9-98.9		%REC	1	11/22/2010 6:00:59 PM
Surr: 2-Fluorophenol	51.7	12.4-90.1		%REC	1	11/22/2010 6:00:59 PM
Surr: 4-Terphenyl-d14	75.3	43.5-91.9		%REC	1	11/22/2010 6:00:59 PM
Surr: Nitrobenzene-d5	68.4	26.2-108		%REC	1	11/22/2010 6:00:59 PM
Surr: Phenol-d5	52.1	11.8-73.1		%REC	1	11/22/2010 6:00:59 PM
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Benzene	ND	1.0		µg/L	1	11/25/2010 12:38:27 AM
Toluene	ND	1.0		µg/L	1	11/25/2010 12:38:27 AM
Ethylbenzene	ND	1.0		µg/L	1	11/25/2010 12:38:27 AM
Methyl tert-butyl ether (MTBE)	ND	1.5		µg/L	1	11/25/2010 12:38:27 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

[redacted]all Environmental Analysis Laboratory, Inc.

Date: *23-Dec-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-5
Lab Order:	1011811	**Collection Date:**	11/16/2010 4:25:00 PM
Project:	2010 Semi Annual	**Date Received:**	11/17/2010
Lab ID:	1011811-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **DAM**
Xylenes, Total	ND	3.0		µg/L	1	11/25/2010 12:38:27 AM
Surr: 4-Bromofluorobenzene	102	76.4-106		%REC	1	11/25/2010 12:38:27 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **IC**
Specific Conductance	18000	0.50		µmhos/cm	50	11/23/2010 7:26:00 PM
SM4500-H+B: PH						Analyst: **IC**
pH	7.86	0.100		pH units	1	11/23/2010 7:16:00 PM

[redacted]ualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-001
Client Sample ID 1011811-01F-01G-01H, EP-6

Report Date: 12/02/10
Collection Date: 11/16/10 11:05
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	168	mg/L	D	30		E410.4	11/29/10 11:30 / bls
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	11/24/10 19:21 / tao
METALS, TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	11/30/10 21:48 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-002
Client Sample ID 1011811-02F-02G-02H, EP-9

Report Date: 12/02/10
Collection Date: 11/16/10 11:25
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	1240	mg/L	D	200		E410.4	11/29/10 11:30 / bls
METALS, DISSOLVED							
Uranium	0.003	mg/L		0.001		SW6020	11/24/10 19:46 / tao
METALS, TOTAL							
Uranium	0.003	mg/L		0.001		SW6020	11/30/10 22:13 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-003
Client Sample ID 1011811-03F-03G-03H, EP8

Report Date: 12/02/10
Collection Date: 11/16/10 13:00
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	1720	mg/L	D	200		E410.4	11/29/10 11:30 / bls
METALS, DISSOLVED							
Uranium	0.003	mg/L		0.001		SW6020	11/24/10 19:50 / tao
METALS, TOTAL							
Uranium	0.003	mg/L		0.001		SW6020	11/30/10 22:17 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-004
Client Sample ID 1011811-04F-04G-04H, EP-7

Report Date: 12/02/10
Collection Date: 11/16/10 13:20
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	920	mg/L	D	200		E410.4	11/29/10 11:30 / bls
METALS, DISSOLVED							
Uranium	0.003	mg/L		0.001		SW6020	11/24/10 19:54 / tao
METALS, TOTAL							
Uranium	0.003	mg/L		0.001		SW6020	11/30/10 22:21 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-005
Client Sample ID 1011811-05F-05G-05H, EP-11

Report Date: 12/02/10
Collection Date: 11/16/10 13:55
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	460	mg/L	D	100		E410.4	11/30/10 13:00 / bls
METALS, DISSOLVED							
Uranium	0.002	mg/L		0.001		SW6020	11/24/10 19:58 / tao
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	11/30/10 22:25 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-006
Client Sample ID 1011811-06F-06G-06H, EP-12A

Report Date: 12/02/10
Collection Date: 11/16/10 14:25
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	300	mg/L	D	100		E410.4	11/30/10 13:00 / bls
METALS, DISSOLVED							
Uranium	0.002	mg/L		0.001		SW6020	11/24/10 20:18 / tao
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	11/30/10 22:30 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-007
Client Sample ID 1011811-07F-07G-07H, EP-12B

Report Date: 12/02/10
Collection Date: 11/16/10 14:40
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	280	mg/L	D	100		E410.4	11/30/10 13:00 / bls
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/24/10 20:39 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/30/10 22:34 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-008
Client Sample ID 1011811-08F-08G-08H, EP-2

Report Date: 12/02/10
Collection Date: 11/16/10 15:05
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	1020	mg/L	D	100		E410.4	11/30/10 13:00 / bls
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/24/10 20:43 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/30/10 22:38 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-009
Client Sample ID 1011811-09F-09G-09H, EP-1

Report Date: 12/02/10
Collection Date: 11/16/10 15:20
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	3200	mg/L	D	500		E410.4	11/30/10 13:00 / bls
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	11/24/10 20:47 / tao
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	11/30/10 22:42 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-010
Client Sample ID 1011811-10F-10G-10H, EP-3

Report Date: 12/02/10
Collection Date: 11/16/10 15:40
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	560	mg/L	D	100		E410.4	12/01/10 12:00 / bls
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/24/10 20:52 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/30/10 22:46 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-011
Client Sample ID 1011811-11F-11G-11H, EP-4

Report Date: 12/02/10
Collection Date: 11/16/10 16:05
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	440	mg/L	D	100		E410.4	12/01/10 12:00 / bls
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/24/10 20:56 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/30/10 22:50 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1011811
Lab ID: B10112001-012
Client Sample ID 1011811-12F-12G-12H, EP-5

Report Date: 12/02/10
Collection Date: 11/16/10 16:25
DateReceived: 11/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Chemical (COD)	320	mg/L	D	100		E410.4	12/01/10 12:00 / bls
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	11/24/10 21:16 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	11/30/10 23:11 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011811

Report Date: 12/02/10
Work Order: B10112001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Batch: R157789
Sample ID: MB-R157789	Method Blank				Run: SPEC_101129A				11/29/10 11:30
Oxygen Demand, Chemical (COD)	ND	mg/L	5						
Sample ID: LCS-R157789	Laboratory Control Sample				Run: SPEC_101129A				11/29/10 11:30
Oxygen Demand, Chemical (COD)	85.8	mg/L	5.0	103	90	110			
Sample ID: B10111773-002CMS	Sample Matrix Spike				Run: SPEC_101129A				11/29/10 11:30
Oxygen Demand, Chemical (COD)	32.2	mg/L	5.0	99	90	110			
Sample ID: B10111773-002CMSD	Sample Matrix Spike Duplicate				Run: SPEC_101129A				11/29/10 11:30
Oxygen Demand, Chemical (COD)	32.1	mg/L	5.0	99	90	110	0.3	10	
Sample ID: B10111902-001CMS	Sample Matrix Spike				Run: SPEC_101129A				11/29/10 11:30
Oxygen Demand, Chemical (COD)	32.5	mg/L	5.0	96	90	110			
Sample ID: B10111902-001CMSD	Sample Matrix Spike Duplicate				Run: SPEC_101129A				11/29/10 11:30
Oxygen Demand, Chemical (COD)	32.5	mg/L	5.0	96	90	110	0.0	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: SPEC_101129A				11/29/10 11:30
Oxygen Demand, Chemical (COD)	25.4	mg/L	5.0	104	90	110			
Method: E410.4									Batch: R157838
Sample ID: MB-R157838	Method Blank				Run: SPEC_101130A				11/30/10 13:00
Oxygen Demand, Chemical (COD)	ND	mg/L	5						
Sample ID: LCS-R157838	Laboratory Control Sample				Run: SPEC_101130A				11/30/10 13:00
Oxygen Demand, Chemical (COD)	81.8	mg/L	5.0	98	90	110			
Sample ID: B10111774-001CMS	Sample Matrix Spike				Run: SPEC_101130A				11/30/10 13:00
Oxygen Demand, Chemical (COD)	35.7	mg/L	5.0	105	90	110			
Sample ID: B10111774-001CMSD	Sample Matrix Spike Duplicate				Run: SPEC_101130A				11/30/10 13:00
Oxygen Demand, Chemical (COD)	34.7	mg/L	5.0	101	90	110	2.8	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: SPEC_101130A				11/30/10 13:00
Oxygen Demand, Chemical (COD)	22.9	mg/L	5.0	94	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011811

Report Date: 12/02/10
Work Order: B10112001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4									Batch: R157930
Sample ID: MB-R157930	Method Blank				Run: SPEC_101201B				12/01/10 12:00
Oxygen Demand, Chemical (COD)	ND	mg/L	5						
Sample ID: LCS-R157930	Laboratory Control Sample				Run: SPEC_101201B				12/01/10 12:00
Oxygen Demand, Chemical (COD)	*85.6*	*mg/L*	*5.0*	*103*	*90*	*110*			
Sample ID: B10112173-002BMS	Sample Matrix Spike				Run: SPEC_101201B				12/01/10 12:00
Oxygen Demand, Chemical (COD)	67.1	mg/L	5.0	99	90	110			
Sample ID: B10112173-002BMSD	Sample Matrix Spike Duplicate				Run: SPEC_101201B				12/01/10 12:00
Oxygen Demand, Chemical (COD)	68.4	mg/L	5.0	104	90	110	1.9	10	
Sample ID: LFB	Laboratory Fortified Blank				Run: SPEC_101201B				12/01/10 12:00
Oxygen Demand, Chemical (COD)	25.2	mg/L	5.0	103	90	110			

Qualifiers:
RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011811

Report Date: 12/02/10
Work Order: B10112001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_101124A	
Sample ID: QCS - 100607A,101012A,	Initial Calibration Verification Standard								11/24/10 09:50
Uranium	0.0181	mg/L	0.00030	91	90	110			
Sample ID: ICSA-ME101101C	Interference Check Sample A								11/24/10 09:54
Uranium	1.80E-05	mg/L	0.00030						
Sample ID: ICSAB-ME101101C, 1001	Interference Check Sample AB								11/24/10 09:58
Uranium	7.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: R157730
Sample ID: B10112001-001ADIL	Serial Dilution				Run: ICPMS202-B_101124A				11/24/10 19:42
Uranium	0.00195	mg/L	0.0010		0	0			
Sample ID: B10112001-005AMS	Sample Matrix Spike				Run: ICPMS202-B_101124A				11/24/10 20:02
Uranium	0.284	mg/L	0.0010	113	75	125			
Sample ID: B10112001-005AMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_101124A				11/24/10 20:06
Uranium	0.288	mg/L	0.0010	114	75	125	1.3	20	
Sample ID: B10112001-011AMS	Sample Matrix Spike				Run: ICPMS202-B_101124A				11/24/10 21:00
Uranium	0.284	mg/L	0.0010	113	75	125			
Sample ID: B10112001-011AMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_101124A				11/24/10 21:04
Uranium	0.287	mg/L	0.0010	115	75	125	1.1	20	
Sample ID: LRB	Method Blank				Run: ICPMS202-B_101124A				11/24/10 10:35
Uranium	ND	mg/L	2E-05						
Sample ID: LFB	Laboratory Fortified Blank				Run: ICPMS202-B_101124A				11/24/10 10:39
Uranium	0.0497	mg/L	0.00030	99	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1011811

Report Date: 12/02/10
Work Order: B10112001

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020								Analytical Run: ICPMS202-B_101129B	
Sample ID: QCS - 100607A,101012A,	Initial Calibration Verification Standard								11/30/10 16:53
Uranium	0.0183	mg/L	0.00030	91	90	110			
Sample ID: ICSA-ME101101C	Interference Check Sample A								11/30/10 16:57
Uranium	1.70E-05	mg/L	0.00030						
Sample ID: ICSAB-ME101101C, 1001	Interference Check Sample AB								11/30/10 17:01
Uranium	9.00E-06	mg/L	0.00030		0	0			
Method: SW6020									Batch: 50727
Sample ID: MB-50727	Method Blank				Run: ICPMS202-B_101129B				11/30/10 21:44
Uranium	ND	mg/L	2E-05						
Sample ID: B10112001-001BDIL	Serial Dilution				Run: ICPMS202-B_101129B				11/30/10 21:52
Uranium	0.000500	mg/L	0.0010		0	0		10	N
Sample ID: LCS-50727	Laboratory Control Sample				Run: ICPMS202-B_101129B				11/30/10 23:15
Uranium	0.506	mg/L	0.0010	101	85	115			
Sample ID: B10112001-001BMS	Sample Matrix Spike				Run: ICPMS202-B_101129B				11/30/10 23:19
Uranium	1.09	mg/L	0.0010	109	75	125			
Sample ID: B10112001-001BMSD	Sample Matrix Spike Duplicate				Run: ICPMS202-B_101129B				11/30/10 23:23
Uranium	1.12	mg/L	0.0010	112	75	125	2.7	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: 1011811-09CMSD x5		*MSD*				**Batch ID:**	**R42506**	**Analysis Date:**		12/4/2010 4:12:30 AM	
Bromide	9.285	mg/L	0.50	12.5	1.245	64.3	82	112	14.6	20	S
Sample ID: MB		*MBLK*				**Batch ID:**	**R42333**	**Analysis Date:**		11/23/2010 7:24:54 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				**Batch ID:**	**R42472**	**Analysis Date:**		12/2/2010 11:31:38 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				**Batch ID:**	**R42472**	**Analysis Date:**		12/2/2010 9:38:05 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB-b		*MBLK*				**Batch ID:**	**R42506**	**Analysis Date:**		12/3/2010 4:13:42 PM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				**Batch ID:**	**R42506**	**Analysis Date:**		12/4/2010 2:20:08 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				**Batch ID:**	**R42507**	**Analysis Date:**		12/5/2010 3:12:40 PM	
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				**Batch ID:**	**R42551**	**Analysis Date:**		12/8/2010 3:05:34 AM	
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R42551**	Analysis Date:	12/8/2010 3:05:34 AM		
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42552**	Analysis Date:	12/7/2010 1:22:53 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42573**	Analysis Date:	12/9/2010 1:03:44 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42587**	Analysis Date:	12/9/2010 5:53:13 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42616**	Analysis Date:	12/10/2010 12:57:36 PM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R42630**	Analysis Date:	12/13/2010 10:41:38 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R42333**	Analysis Date:	11/23/2010 7:42:19 PM		
Fluoride	0.4768	mg/L	0.10	0.5	0	95.4	90	110			
Chloride	4.917	mg/L	0.50	5	0	98.3	90	110			
Bromide	2.453	mg/L	0.10	2.5	0	98.1	90	110			
Nitrate (As N)+Nitrite (As N)	3.526	mg/L	0.20	3.5	0	101	90	110			

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R42333**	Analysis Date:	11/23/2010 7:42:19 PM		
Phosphorus, Orthophosphate (As P)	4.897	mg/L	0.50	5	0	97.9	90	110			
Sulfate	9.902	mg/L	0.50	10	0	99.0	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42472**	Analysis Date:	12/2/2010 11:42:52 AM		
Fluoride	0.5380	mg/L	0.10	0.5	0	108	90	110			
Chloride	5.181	mg/L	0.50	5	0	104	90	110			
Bromide	2.699	mg/L	0.10	2.5	0	108	90	110			
Phosphorus, Orthophosphate (As P)	5.330	mg/L	0.50	5	0	107	90	110			
Sulfate	10.79	mg/L	0.50	10	0	108	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42472**	Analysis Date:	12/2/2010 9:49:20 PM		
Fluoride	0.5400	mg/L	0.10	0.5	0	108	90	110			
Chloride	5.117	mg/L	0.50	5	0.163	99.1	90	110			
Bromide	2.506	mg/L	0.10	2.5	0	100	90	110			
Nitrate (As N)+Nitrite (As N)	3.637	mg/L	0.20	3.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.301	mg/L	0.50	5	0	106	90	110			
Sulfate	10.63	mg/L	0.50	10	0	106	90	110			
Sample ID: LCS-b		*LCS*				Batch ID:	**R42506**	Analysis Date:	12/3/2010 4:24:56 PM		
Fluoride	0.5370	mg/L	0.10	0.5	0	107	90	110			
Chloride	5.254	mg/L	0.50	5	0	105	90	110			
Bromide	2.686	mg/L	0.10	2.5	0	107	90	110			
Nitrate (As N)+Nitrite (As N)	3.713	mg/L	0.20	3.5	0	106	90	110			
Phosphorus, Orthophosphate (As P)	5.263	mg/L	0.50	5	0	105	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42506**	Analysis Date:	12/4/2010 2:31:22 AM		
Fluoride	0.5400	mg/L	0.10	0.5	0	108	90	110			
Chloride	5.246	mg/L	0.50	5	0	105	90	110			
Bromide	2.675	mg/L	0.10	2.5	0	107	90	110			
Nitrate (As N)+Nitrite (As N)	3.699	mg/L	0.20	3.5	0	106	90	110			
Phosphorus, Orthophosphate (As P)	5.260	mg/L	0.50	5	0	105	90	110			
Sulfate	10.59	mg/L	0.50	10	0	106	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42507**	Analysis Date:	12/5/2010 3:23:54 PM		
Chloride	5.164	mg/L	0.50	5	0.361	96.1	90	110			
Bromide	2.633	mg/L	0.10	2.5	0	105	90	110			
Nitrate (As N)+Nitrite (As N)	3.653	mg/L	0.20	3.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.144	mg/L	0.50	5	0	103	90	110			
Sulfate	10.44	mg/L	0.50	10	0	104	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42551**	Analysis Date:	12/8/2010 3:22:58 AM		
Fluoride	0.5412	mg/L	0.10	0.5	0	108	90	110			
Chloride	5.214	mg/L	0.50	5	0	104	90	110			
Bromide	2.574	mg/L	0.10	2.5	0	103	90	110			
Nitrate (As N)+Nitrite (As N)	3.712	mg/L	0.20	3.5	0	106	90	110			
Phosphorus, Orthophosphate (As P)	5.401	mg/L	0.50	5	0	108	90	110			
Sulfate	10.42	mg/L	0.50	10	0	104	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42552**	Analysis Date:	12/7/2010 1:34:07 PM		
Fluoride	0.5050	mg/L	0.10	0.5	0	101	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: LCS		*LCS*				Batch ID:	**R42552**	Analysis Date:		12/7/2010 1:34:07 PM	
Chloride	4.901	mg/L	0.50	5	0	98.0	90	110			
Bromide	2.426	mg/L	0.10	2.5	0	97.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.488	mg/L	0.20	3.5	0	99.7	90	110			
Phosphorus, Orthophosphate (As P)	4.998	mg/L	0.50	5	0	100	90	110			
Sulfate	9.993	mg/L	0.50	10	0	99.9	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42573**	Analysis Date:		12/9/2010 1:21:09 AM	
Fluoride	0.5198	mg/L	0.10	0.5	0	104	90	110			
Chloride	4.915	mg/L	0.50	5	0	98.3	90	110			
Bromide	2.449	mg/L	0.10	2.5	0	98.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.480	mg/L	0.20	3.5	0	99.4	90	110			
Phosphorus, Orthophosphate (As P)	5.056	mg/L	0.50	5	0	101	90	110			
Sulfate	9.885	mg/L	0.50	10	0	98.9	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42587**	Analysis Date:		12/9/2010 6:10:37 PM	
Chloride	4.937	mg/L	0.50	5	0	98.7	90	110			
Bromide	2.531	mg/L	0.10	2.5	0.095	97.4	90	110			
Nitrate (As N)+Nitrite (As N)	3.607	mg/L	0.20	3.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	5.019	mg/L	0.50	5	0	100	90	110			
Sulfate	10.22	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42616**	Analysis Date:		12/10/2010 1:15:01 PM	
Chloride	5.066	mg/L	0.50	5	0	101	90	110			
Bromide	2.512	mg/L	0.10	2.5	0	100	90	110			
Nitrate (As N)+Nitrite (As N)	3.584	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.231	mg/L	0.50	5	0	105	90	110			
Sulfate	10.18	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R42630**	Analysis Date:		12/13/2010 10:59:03 AM	
Fluoride	0.5318	mg/L	0.10	0.5	0	106	90	110			
Chloride	4.882	mg/L	0.50	5	0	97.6	90	110			
Bromide	2.395	mg/L	0.10	2.5	0	95.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.492	mg/L	0.20	3.5	0	99.8	90	110			
Phosphorus, Orthophosphate (As P)	4.934	mg/L	0.50	5	0	98.7	90	110			
Sulfate	9.802	mg/L	0.50	10	0	98.0	90	110			
Sample ID: 1011811-09CMS x5		*MS*				Batch ID:	**R42506**	Analysis Date:		12/4/2010 4:01:15 AM	
Bromide	10.75	mg/L	0.50	12.5	1.245	76.0	82	112			S

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
H Holding times for preparation or analysis exceeded
NC Non-Chlorinated
R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260: Volatiles Short List											
Sample ID: 1011811-02a msd		*MSD*				Batch ID:	**R42342**	Analysis Date:		11/24/2010 6:13:41 PM	
Benzene	18.17	µg/L	1.0	20	0	90.9	73.1	117	2.08	11.3	
Toluene	19.45	µg/L	1.0	20	0	97.2	82.9	109	7.25	11.6	
Sample ID: b2		*MBLK*				Batch ID:	**R42342**	Analysis Date:		11/24/2010 8:52:09 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R42342**	Analysis Date:		11/24/2010 8:03:54 PM	
Benzene	18.27	µg/L	1.0	20	0	91.3	84.6	109			
Toluene	20.76	µg/L	1.0	20	0	104	81	114			
Sample ID: 1011811-02a ms		*MS*				Batch ID:	**R42342**	Analysis Date:		11/24/2010 5:46:06 PM	
Benzene	18.55	µg/L	1.0	20	0	92.8	73.1	117			
Toluene	20.91	µg/L	1.0	20	0	105	82.9	109			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24616		*MBLK*				**Batch ID: 24616**		**Analysis Date: 11/22/2010 1:32:58 PM**			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl [redacted] phthalate	ND	µg/L	10								
Carba[redacted]	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								
Hexa[redacted]obenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24616		*MBLK*				Batch ID:	**24616**	Analysis Date:	11/22/2010 1:32:58 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	20								
Nitrobenzene	ND	µg/L	10								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	20								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	10								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-24616		*LCS*				Batch ID:	**24616**	Analysis Date:	11/22/2010 3:02:59 PM		
Acenaphthene	65.86	µg/L	10	100	0	65.9	31	99.4			
4-Chloro-3-methylphenol	130.5	µg/L	10	200	0	65.3	34.3	111			
2-Chlorophenol	109.1	µg/L	10	200	0	54.5	24.1	98.7			
1,4-Dichlorobenzene	55.18	µg/L	10	100	0	55.2	20.6	85.6			
2,4-Dinitrotoluene	103.0	µg/L	10	100	0	103	26.6	126			
N-Nitrosodi-n-propylamine	53.52	µg/L	10	100	0	53.5	29.2	94.4			
4-Nitrophenol	86.82	µg/L	10	200	0	43.4	9.87	86			
Pentachlorophenol	78.02	µg/L	20	200	0	39.0	20	97.8			
Phenol	72.86	µg/L	10	200	0	36.4	17.5	60.5			
Pyrene	73.90	µg/L	10	100	0	73.9	46.8	92.2			
1,2,4-Trichlorobenzene	57.52	µg/L	10	100	0	57.5	25.2	92.3			
Sample ID: lcsd-24616		*LCSD*				Batch ID:	**24616**	Analysis Date:	11/22/2010 3:32:51 PM		
Acenaphthene	66.22	µg/L	10	100	0	66.2	31	99.4	0.545	30	
4-Chloro-3-methylphenol	139.6	µg/L	10	200	0	69.8	34.3	111	6.71	30.8	
2-Chlorophenol	117.2	µg/L	10	200	0	58.6	24.1	98.7	7.18	31	
1,4-Dichlorobenzene	51.92	µg/L	10	100	0	51.9	20.6	85.6	6.09	37	
2,4-Dinitrotoluene	104.9	µg/L	10	100	0	105	26.6	126	1.83	34.5	

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-24616		*LCSD*				Batch ID:	**24616**	Analysis Date:		11/22/2010 3:32:51 PM	
N-Nitrosodi-n-propylamine	46.34	µg/L	10	100	0	46.3	29.2	94.4	14.4	30.8	
4-Nitrophenol	120.7	µg/L	10	200	0	60.4	9.87	86	32.7	61.1	
Pentachlorophenol	104.1	µg/L	20	200	0	52.0	20	97.8	28.6	64.8	
Phenol	70.50	µg/L	10	200	0	35.3	17.5	60.5	3.29	31.4	
Pyrene	75.96	µg/L	10	100	0	76.0	46.8	92.2	2.75	29.8	
1,2,4-Trichlorobenzene	58.19	µg/L	10	100	0	58.2	25.2	92.3	1.16	30.9	
Method: EPA Method 7470: Mercury											
Sample ID: MB-24720		*MBLK*				Batch ID:	**24720**	Analysis Date:		12/2/2010 11:44:09 AM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24720		*LCS*				Batch ID:	**24720**	Analysis Date:		12/2/2010 11:45:54 AM	
Mercury	0.005000	mg/L	0.00020	0.005	0	100	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: 1011811-05DMSD		*MSD*				Batch ID:	**R42550**	Analysis Date:		12/7/2010 8:18:13 PM	
Barium	2.400	mg/L	0.10	2.5	0.1244	91.0	75	125	0.832	20	
Cadmium	2.479	mg/L	0.010	2.5	0	99.1	75	125	1.44	20	
Chromium	2.336	mg/L	0.030	2.5	0.0223	92.5	75	125	1.49	20	
Copper	2.925	mg/L	0.030	2.5	0	117	75	125	1.19	20	
Iron	2.766	mg/L	0.10	2.5	0.481	91.4	75	125	1.52	20	
Lead	2.264	mg/L	0.025	2.5	0.0210	89.7	75	125	1.11	20	
Magnesium	483.1	mg/L	5.0	252.5	264.7	86.5	75	125	0.175	20	
Manganese	2.914	mg/L	0.010	2.5	0.6382	91.0	75	125	0.459	20	
Silver	2.516	mg/L	0.025	2.5	0	101	75	125	0.975	20	
Zinc	2.248	mg/L	0.25	2.5	0.0104	89.5	75	125	1.03	20	
Sample ID: 1011811-05DMSD		*MSD*				Batch ID:	**R42660**	Analysis Date:		12/14/2010 11:43:27 AM	
Arsenic	2.931	mg/L	0.10	2.5	0	117	75	125	0.926	20	
Selenium	2.435	mg/L	0.25	2.5	0	97.4	75	125	2.68	20	
Sample ID: MB		*MBLK*				Batch ID:	**R42550**	Analysis Date:		12/7/2010 4:59:15 PM	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: MB		*MBLK*				Batch ID:	**R42581**	Analysis Date:		12/9/2010 2:31:36 PM	
Iron	ND	mg/L	0.020								
Sample ID: MB		*MBLK*				Batch ID:	**R42660**	Analysis Date:		12/14/2010 11:22:39 AM	
Arsenic	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Selenium	ND	mg/L	0.050								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	**R42550**	Analysis Date:		12/7/2010 5:02:31 PM	
Arsenic	0.4877	mg/L	0.020	0.5	0	97.5	80	120			
Barium	0.4635	mg/L	0.020	0.5	0	92.7	80	120			
Cadmium	0.4894	mg/L	0.0020	0.5	0	97.9	80	120			
Calcium	49.75	mg/L	1.0	50.5	0	98.5	80	120			
Chromium	0.4686	mg/L	0.0060	0.5	0	93.7	80	120			
Copper	0.5012	mg/L	0.0060	0.5	0.0011	100	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: LCS		*LCS*				Batch ID:	**R42550**	Analysis Date:	12/7/2010 5:02:31 PM		
Iron	0.4745	mg/L	0.020	0.5	0	94.9	80	120			
Lead	0.4789	mg/L	0.0050	0.5	0	95.8	80	120			
Magnesium	50.29	mg/L	1.0	50.5	0	99.6	80	120			
Manganese	0.4605	mg/L	0.0020	0.5	0	92.1	80	120			
Potassium	51.94	mg/L	1.0	55	0	94.4	80	120			
Selenium	0.4811	mg/L	0.050	0.5	0	96.2	80	120			
Silver	0.4790	mg/L	0.0050	0.5	0	95.8	80	120			
Sodium	48.54	mg/L	1.0	50.5	0	96.1	80	120			
Zinc	0.4700	mg/L	0.050	0.5	0	94.0	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R42581**	Analysis Date:	12/9/2010 2:34:29 PM		
Iron	0.4737	mg/L	0.020	0.5	0	94.7	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R42660**	Analysis Date:	12/14/2010 11:25:02 AM		
Arsenic	0.5345	mg/L	0.020	0.5	0	107	80	120			
Lead	0.5261	mg/L	0.0050	0.5	0	105	80	120			
Selenium	0.5372	mg/L	0.050	0.5	0	107	80	120			
Zinc	0.5354	mg/L	0.050	0.5	0	107	80	120			
Sample ID: 1011811-05DMS		*MS*				Batch ID:	**R42550**	Analysis Date:	12/7/2010 8:12:00 PM		
Barium	2.420	mg/L	0.10	2.5	0.1244	91.8	75	125			
Cadmium	2.515	mg/L	0.010	2.5	0	101	75	125			
Chromium	2.371	mg/L	0.030	2.5	0.0223	93.9	75	125			
Copper	2.960	mg/L	0.030	2.5	0	118	75	125			
Iron	2.808	mg/L	0.10	2.5	0.481	93.1	75	125			
Lead	2.289	mg/L	0.025	2.5	0.0210	90.7	75	125			
Magnesium	484.0	mg/L	5.0	252.5	264.7	86.8	75	125			
Manganese	2.927	mg/L	0.010	2.5	0.6382	91.6	75	125			
Silver	2.541	mg/L	0.025	2.5	0	102	75	125			
Zinc	2.271	mg/L	0.25	2.5	0.0104	90.4	75	125			
Sample ID: 1011811-05DMS		*MS*				Batch ID:	**R42660**	Analysis Date:	12/14/2010 11:41:04 AM		
Arsenic	2.904	mg/L	0.10	2.5	0	116	75	125			
Selenium	2.501	mg/L	0.25	2.5	0	100	75	125			

Qualifiers:

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J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Semi Annual **Work Order:** 1011811

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-24712		*MBLK*				Batch ID:	**24712**	Analysis Date:	12/7/2010 11:44:32 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-24712		*LCS*				Batch ID:	**24712**	Analysis Date:	12/7/2010 11:47:46 AM		
Arsenic	0.5248	mg/L	0.020	0.5	0	105	80	120			
Barium	0.5039	mg/L	0.020	0.5	0	101	80	120			
Cadmium	0.5190	mg/L	0.0020	0.5	0	104	80	120			
Chromium	0.5090	mg/L	0.0060	0.5	0	102	80	120			
Copper	0.5618	mg/L	0.0060	0.5	0	112	80	120			
Iron	0.5240	mg/L	0.050	0.5	0	105	80	120			
Lead	0.5141	mg/L	0.0050	0.5	0	103	80	120			
Manganese	0.4998	mg/L	0.0020	0.5	0	100	80	120			
Selenium	0.5092	mg/L	0.050	0.5	0	102	80	120			
Silver	0.5121	mg/L	0.0050	0.5	0	102	80	120			
Zinc	0.5056	mg/L	0.020	0.5	0	101	80	120			
Sample ID: LCS-24712		*LCS*				Batch ID:	**24712**	Analysis Date:	12/14/2010 3:50:58 PM		
Barium	0.5024	mg/L	0.020	0.5	0	100	80	120	5.25	0	
Cadmium	0.5135	mg/L	0.0020	0.5	0.0002	103	80	120	4.08	0	
Chromium	0.5058	mg/L	0.0060	0.5	0	101	80	120	4.64	0	
Iron	0.5192	mg/L	0.050	0.5	0	104	80	120	6.49	0	
Lead	0.5087	mg/L	0.0050	0.5	0	102	80	120	6.09	0	
Silver	0.5160	mg/L	0.0050	0.5	0	103	80	120	3.29	0	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU — Date Received: 11/17/2010

Work Order Number 1011811 — Received by: AT

Checklist completed by: _____ 11/17/10 — Sample ID labels checked by: AT / MG

Signature — Date — Initials

Matrix: — Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.0°	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 12

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 17 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package: ☑ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time: ☑ Standard ☐ Rush _____

Project Name: 2010 Semi Annual

Project #: Ponds 1-12B

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No 1011811	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Met. Diss (Filtered)	COD	Ben Chem	Air Bubbles (Y or N)
11-10	1105	H2O	EP-6			-1	X										X	X	X	X	X	
	1125		EP-9			-2																
	1300		EP-8			-3																
	1320		EP-7			-4																
	1355		EP-11			-5																
	1425		EP-12A			-6																
	1440		EP-12B			-7																
	1505		EP-2			-8																
	1520		EP-1			-9																
	1540		EP-3			-10																
	1605		EP-4			-11																
	1625		EP-5			-12																

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/7/10	1220			11/7/10	1220
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Ben Chem: Cations, Anions, pH Spec Cond.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

BOD, E-Coli

COVER LETTER

Tuesday, November 30, 2010

Cheryl Johnson
Western Refining Southwest, Gallup Refinery
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2010 Semi Annual

Order No.: 1011695

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 12 sample(s) on 11/17/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-01A

WSS ID:
Location:

Client Sample ID: EP-1
Collection Date: 11/17/2010 7:20:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 11/18/2010 3:00:00 PM		Analyst: **MAW**			
3014 E. Coli	< 10		10		CFU/100ml	10

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-02A
WSS ID:
Location:

Client Sample ID: EP-2
Collection Date: 11/17/2010 7:30:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code **SM 9223B FECAL INDICATOR: E. COLI MPN**	Date Analyzed: 11/18/2010 3:00:00 PM			Analyst: **MAW**		
3014 E. Coli	1553.1		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-03A

WSS ID:
Location:

Client Sample ID: EP-3
Collection Date: 11/17/2010 7:45:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 11/18/2010 3:00:00 PM		Analyst: **MAW**			
3014 E. Coli	40.8		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-04A

WSS ID:
Location:

Client Sample ID: EP-4
Collection Date: 11/17/2010 7:58:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 11/18/2010 3:00:00 PM		Analyst: **MAW**			
3014 E. Coli	12.0		1		CFU/100ml	1

Qual			
*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-05A

WSS ID:
Location:

Client Sample ID: EP-5
Collection Date: 11/17/2010 8:10:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 11/18/2010 3:00:00 PM		Analyst: **MAW**			
3014 E. Coli	4.1		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-06A

WSS ID:
Location:

Client Sample ID: EP-6
Collection Date: 11/17/2010 8:20:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 11/18/2010 3:00:00 PM		Analyst: **MAW**			
3014 E. Coli	8.6		1		CFU/100ml	1

Quali

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-07A
WSS ID:
Location:

Client Sample ID: EP-7
Collection Date: 11/17/2010 8:35:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 11/18/2010 3:00:00 PM		Analyst: **MAW**			
3014 E. Coli	< 1		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-08A

WSS ID:
Location:

Client Sample ID: EP-8
Collection Date: 11/17/2010 8:45:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 11/18/2010 3:00:00 PM				Analyst: **MAW**	
3014 E. Coli	< 1		1		CFU/100ml	1

Qual:
- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

LIENT: Western Refining Southwest, Gallup Refine
ab Order: 1011695
acility: 2010 Semi Annual
ab ID: 1011695-09A
WSS ID:
Location:

Client Sample ID: EP-9
Collection Date: 11/17/2010 8:55:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses		Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code	**SM 9223B FECAL INDICATOR: E. COLI MPN**	Date Analyzed: 11/18/2010 3:00:00 PM			Analyst: **MAW**		
3014	E. Coli	< 1		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-10A

WSS ID:
Location:

Client Sample ID: EP-11
Collection Date: 11/17/2010 9:00:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 11/18/2010 3:00:00 PM		Analyst: **MAW**			
3014 E. Coli	4.1		1		CFU/100ml	1

Qua:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-11A

WSS ID:
Location:

Client Sample ID: EP-12A
Collection Date: 11/17/2010 9:06:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 11/18/2010 3:00:00 PM		Analyst: **MAW**			
3014 E. Coli	64.4		1		CFU/100ml	1

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup Refine
Lab Order: 1011695
Facility: 2010 Semi Annual
Lab ID: 1011695-12A
WSS ID:
Location:

Client Sample ID: EP-12B
Collection Date: 11/17/2010 9:11:00 AM
Matrix: AQUEOUS
Compliance Safe:
Date Received: 11/17/2010
Prep Date: 11/17/2010 3:00:00 PM

Analyses	Result	Qual	RL	MCL	Units	Dil Fac
SDWIS Code SM 9223B FECAL INDICATOR: E. COLI MPN	Date Analyzed: 11/18/2010 3:00:00 PM		Analyst: **MAW**			
3014 E. Coli	12.0		1		CFU/100ml	1

Qual

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-001**

Description: **1011695-01B/EP-1** Matrix: **Aqueous**

Date Sampled: **11/17/2010 0720**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1320	ARW	11/18/2010 1125	6036

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**1400**		**2.0**	**mg/L**	**1**

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-002**

Description: **1011895-02B/EP-2** Matrix: **Aqueous**

Date Sampled: **11/17/2010 0730**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1320	ARW	11/18/2010 1125	6036

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	***550***		***2.0***	***mg/L***	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
W = If applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

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106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-003**

Description: **1011695-03B/EP-3** Matrix: **Aqueous**

Date Sampled: **11/17/2010 0745**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1320	ARW	11/18/2010 1125	6036

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**120**	**6**	**2.0**	**mg/L**	**1**

Footnote(s): 6-D.O. depletion < 2.00 mg/L

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL
N = Recovery is out of criteria

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
H = Out of holding time

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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-004**

[redacted]cription: **1011695-04B/EP-4** Matrix: **Aqueous**

Da[redacted]ampled: **11/17/2010 0758**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1320	ARW	11/18/2010 1125	6036

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**140**	**6**	**2.0**	**mg/L**	**1**

Footnote(s): 6-D.O. depletion < 2.00 mg/L

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
N[redacted] detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
W[redacted]pplicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-005**

Description: **1011695-05B/EP-5** Matrix: **Aqueous**

Date Sampled: **11/17/2010 0810**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1320	ARW	11/18/2010 1125	6036

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**76**		**2.0**	**mg/L**	**1**

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-006**

[redacted]scription: **1011695-06B/EP-6** Matrix: **Aqueous**

D[redacted]Sampled: **11/17/2010 0820**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1320	ARW	11/18/2010 1125	6036

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		SM 5210B	ND	6	1200	mg/L	1

[redacted]

Footnote(s): 6-D.O. depletion < 2.00 mg/L

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range

N[redacted]t detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%

W[redacted]pplicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory**
Description: **1011695-07B/EP-7**
Date Sampled: **11/17/2010 0835**
Date Received: **11/18/2010**

Laboratory ID: **LK18001-007**
Matrix: **Aqueous**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1515	MML	11/18/2010 1608	6037

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**380**		**2.0**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Shealy Environmental Services, Inc.
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Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-008**

Description: **1011695-08B/EP-8** Matrix: **Aqueous**

Date Sampled: **11/17/2010 0845**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1515	MML	11/18/2010 1608	6037

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		SM 5210B	400		2.0	mg/L	1

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

If applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-009**

Description: **1011695-09B/EP-9** Matrix: **Aqueous**

Date Sampled: **11/17/2010 0855**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1515	MML	11/18/2010 1608	6037

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**350**		**2.0**	**mg/L**	**1**

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-010**

[redacted]scription: **1011695-10B/EP-11** Matrix: **Aqueous**

[redacted] Sampled: **11/17/2010 0900**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1515	MML	11/18/2010 1608	6037

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**350**		**2.0**	**mg/L**	**1**

[redacted]

PQL = Practical quantitation limit
B = Detected in the method blank
E = Quantitation of compound exceeded the calibration range
ND = Not detected at or above the PQL
J = Estimated result < PQL and ≥ MDL
P = The RPD between two GC columns exceeds 40%
[redacted]e applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"
N = Recovery is out of criteria
H = Out of holding time

[redacted]

She[redacted]nvironmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-011**

Description: **1011695-11B/EP-12A** Matrix: **Aqueous**

Date Sampled: **11/17/2010 0906**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1515	MML	11/18/2010 1608	6037

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**330**		**2.0**	**mg/L**	**1**

PQL = Practical quantitation limit
ND = Not detected at or above the PQL
Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank
J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range
P = The RPD between two GC columns exceeds 40%
N = Recovery is out of criteria
H = Out of holding time

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Inorganic non-metals

Client: **Hall Environmental Analysis Laboratory** Laboratory ID: **LK18001-012**

Description: **1011695-12B/EP-12B** Matrix: **Aqueous**

Sampled: **11/17/2010 0911**

Date Received: **11/18/2010**

Run	Prep Method	Analytical Method	Dilution	Analysis Date	Analyst	Prep Date	Batch
1		(BOD, 5 day) SM 5210B	1	11/23/2010 1515	MML	11/18/2010 1608	6037

Parameter	CAS Number	Analytical Method	Result	Q	PQL	Units	Run
BOD, 5 day		**SM 5210B**	**350**		**2.0**	**mg/L**	**1**

PQL = Practical quantitation limit

ND = Not detected at or above the PQL

Where applicable, all soil sample analysis are reported on a dry weight basis unless flagged with a "W"

B = Detected in the method blank

J = Estimated result < PQL and ≥ MDL

E = Quantitation of compound exceeded the calibration range

P = The RPD between two GC columns exceeds 40%

N = Recovery is out of criteria

H = Out of holding time

Shealy Environmental Services, Inc.
106 Vantage Point Drive West Columbia, SC 29172 (803) 791-9700 Fax (803) 791-9111 www.shealylab.com

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 11/17/2010

Work Order Number 1011695

Received by: AT

Checklist completed by: Signature 11/17/10 Date

Sample ID labels checked by: Initials

Matrix:

Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505-722-3833

email or Fax#: 505 722 0210

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: 2010 Semi Annual

Project #: Ponds 1-12B

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1011605	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	E-Coli			Air Bubbles (Y or N)
11/17/10	0720	H2O	EP-1			1												X	X			
	0730		EP-2			2																
	0745		EP-3			3																
	0758		EP-4			4																
	0810		EP-5			5																
	0820		EP-6			6																
	0835		EP-7			7																
	0845		EP-8			8																
	0855		EP-9			9																
	0900		EP-11			10																
	0906		EP-12A			11																
	0911		EP-12B			12																

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/17/10	1220			11/17/10	1220
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.

BW-2A
BW-2C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Friday, August 06, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual

Order No.: 1007793

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 7/22/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

for Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

AS-WG
DS-WG

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	1007793	**Collection Date:**	7/20/2010 12:18:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	1.2	0.10		mg/L	1	7/22/2010 7:26:51 PM
Chloride	42	10		mg/L	20	7/22/2010 7:44:15 PM
Bromide	0.43	0.10		mg/L	1	7/22/2010 7:26:51 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	7/24/2010 8:58:44 AM
Phosphorus, Orthophosphate (As P)	0.68	0.50	H	mg/L	1	7/22/2010 7:26:51 PM
Sulfate	7.1	0.50		mg/L	1	7/22/2010 7:26:51 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/26/2010 5:26:34 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	7/23/2010 4:24:04 PM
Barium	0.14	0.020		mg/L	1	7/23/2010 4:24:04 PM
Cadmium	ND	0.0020		mg/L	1	7/23/2010 4:24:04 PM
Calcium	9.6	1.0		mg/L	1	7/23/2010 4:24:04 PM
Chromium	ND	0.0060		mg/L	1	7/23/2010 4:24:04 PM
Copper	ND	0.0060		mg/L	1	7/23/2010 4:24:04 PM
Iron	0.29	0.020		mg/L	1	7/23/2010 4:24:04 PM
Lead	ND	0.0050		mg/L	1	7/23/2010 4:24:04 PM
Magnesium	3.5	1.0		mg/L	1	7/23/2010 4:24:04 PM
Manganese	0.14	0.0020		mg/L	1	7/23/2010 4:24:04 PM
Potassium	ND	1.0		mg/L	1	7/23/2010 4:24:04 PM
Selenium	ND	0.050		mg/L	1	7/23/2010 4:24:04 PM
Silver	ND	0.0050		mg/L	1	7/23/2010 4:24:04 PM
Sodium	340	5.0		mg/L	5	7/23/2010 4:28:02 PM
Zinc	ND	0.050		mg/L	1	7/23/2010 4:24:04 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	7/29/2010 4:02:49 PM
Barium	0.13	0.020		mg/L	1	7/29/2010 4:02:49 PM
Cadmium	ND	0.0020		mg/L	1	7/29/2010 4:02:49 PM
Chromium	ND	0.0060		mg/L	1	7/29/2010 4:02:49 PM
Copper	ND	0.0060		mg/L	1	7/29/2010 4:02:49 PM
Iron	0.36	0.050		mg/L	1	7/29/2010 4:02:49 PM
Lead	ND	0.0050		mg/L	1	7/29/2010 4:02:49 PM
Manganese	0.12	0.0020		mg/L	1	7/29/2010 4:02:49 PM
Selenium	ND	0.050		mg/L	1	7/29/2010 4:02:49 PM
Silver	ND	0.0050		mg/L	1	7/29/2010 4:02:49 PM
Zinc	ND	0.020		mg/L	1	7/29/2010 4:02:49 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	1007793	**Collection Date:**	7/20/2010 12:18:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Acenaphthene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Acenaphthylene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Aniline	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Anthracene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Azobenzene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Benz(a)anthracene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Benzo(a)pyrene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Benzoic acid	ND	20		µg/L	1	7/28/2010 1:41:55 PM
Benzyl alcohol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/28/2010 1:41:55 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Butyl benzyl phthalate	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Carbazole	ND	10		µg/L	1	7/28/2010 1:41:55 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
4-Chloroaniline	ND	10		µg/L	1	7/28/2010 1:41:55 PM
2-Chloronaphthalene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
2-Chlorophenol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Chrysene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Di-n-butyl phthalate	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Di-n-octyl phthalate	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Dibenzofuran	ND	10		µg/L	1	7/28/2010 1:41:55 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Diethyl phthalate	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Dimethyl phthalate	ND	10		µg/L	1	7/28/2010 1:41:55 PM
2,4-Dichlorophenol	ND	20		µg/L	1	7/28/2010 1:41:55 PM
2,4-Dimethylphenol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/28/2010 1:41:55 PM
2,4-Dinitrophenol	ND	20		µg/L	1	7/28/2010 1:41:55 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 1:41:55 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	1007793	**Collection Date:**	7/20/2010 12:18:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Fluoranthene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Fluorene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Hexachlorobenzene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Hexachlorobutadiene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Hexachloroethane	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Isophorone	ND	10		µg/L	1	7/28/2010 1:41:55 PM
2-Methylnaphthalene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
2-Methylphenol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
3+4-Methylphenol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/28/2010 1:41:55 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	7/28/2010 1:41:55 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Naphthalene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
2-Nitroaniline	ND	10		µg/L	1	7/28/2010 1:41:55 PM
3-Nitroaniline	ND	10		µg/L	1	7/28/2010 1:41:55 PM
4-Nitroaniline	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Nitrobenzene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
2-Nitrophenol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
4-Nitrophenol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Pentachlorophenol	ND	20		µg/L	1	7/28/2010 1:41:55 PM
Phenanthrene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Phenol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Pyrene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Pyridine	ND	10		µg/L	1	7/28/2010 1:41:55 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/28/2010 1:41:55 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/28/2010 1:41:55 PM
Surr: 2,4,6-Tribromophenol	59.0	16.6-150		%REC	1	7/28/2010 1:41:55 PM
Surr: 2-Fluorobiphenyl	57.6	19.6-134		%REC	1	7/28/2010 1:41:55 PM
Surr: 2-Fluorophenol	48.2	9.54-113		%REC	1	7/28/2010 1:41:55 PM
Surr: 4-Terphenyl-d14	76.5	22.7-145		%REC	1	7/28/2010 1:41:55 PM
Surr: Nitrobenzene-d5	57.0	14.6-134		%REC	1	7/28/2010 1:41:55 PM
Surr: Phenol-d6	40.3	10.7-80.3		%REC	1	7/28/2010 1:41:55 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Toluene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Ethylbenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	1007793	**Collection Date:**	7/20/2010 12:18:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Naphthalene	ND	2.0		µg/L	1	7/28/2010 6:43:18 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 6:43:18 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 6:43:18 PM
Acetone	ND	10		µg/L	1	7/28/2010 6:43:18 PM
Bromobenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Bromoform	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Bromomethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
2-Butanone	ND	10		µg/L	1	7/28/2010 6:43:18 PM
Carbon disulfide	ND	10		µg/L	1	7/28/2010 6:43:18 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Chlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Chloroethane	ND	2.0		µg/L	1	7/28/2010 6:43:18 PM
Chloroform	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Chloromethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/28/2010 6:43:18 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Dibromomethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/28/2010 6:43:18 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
2-Hexanone	ND	10		µg/L	1	7/28/2010 6:43:18 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/28/2010 6:43:18 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	1007793	**Collection Date:**	7/20/2010 12:18:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/28/2010 6:43:18 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Styrene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/28/2010 6:43:18 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/28/2010 6:43:18 PM
Vinyl chloride	ND	1.0		µg/L	1	7/28/2010 6:43:18 PM
Xylenes, Total	ND	1.5		µg/L	1	7/28/2010 6:43:18 PM
Surr: 1,2-Dichloroethane-d4	103	54.6-141		%REC	1	7/28/2010 6:43:18 PM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	1	7/28/2010 6:43:18 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	1	7/28/2010 6:43:18 PM
Surr: Toluene-d8	109	79.5-126		%REC	1	7/28/2010 6:43:18 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1300	0.010		µmhos/cm	1	7/27/2010 5:03:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.09	0.1	H	pH units	1	7/27/2010 5:03:00 PM

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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	1007793	**Collection Date:**	7/20/2010 12:52:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	2.1	0.10		mg/L	1	7/22/2010 8:36:28 PM
Chloride	62	10		mg/L	20	7/22/2010 8:53:52 PM
Bromide	0.12	0.10		mg/L	1	7/22/2010 8:36:28 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	7/29/2010 7:46:40 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	7/22/2010 8:36:28 PM
Sulfate	310	10		mg/L	20	7/22/2010 8:53:52 PM
EPA METHOD 7470: MERCURY						Analyst: SNV
Mercury	ND	0.00020		mg/L	1	7/26/2010 5:28:24 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: RAGS
Arsenic	ND	0.020		mg/L	1	7/23/2010 4:30:53 PM
Barium	ND	0.020		mg/L	1	7/23/2010 4:30:53 PM
Cadmium	ND	0.0020		mg/L	1	7/23/2010 4:30:53 PM
Calcium	4.9	1.0		mg/L	1	7/23/2010 4:30:53 PM
Chromium	ND	0.0060		mg/L	1	7/23/2010 4:30:53 PM
Copper	ND	0.0060		mg/L	1	7/23/2010 4:30:53 PM
Iron	0.028	0.020		mg/L	1	7/23/2010 4:30:53 PM
Lead	ND	0.0050		mg/L	1	7/23/2010 4:30:53 PM
Magnesium	1.3	1.0		mg/L	1	7/23/2010 4:30:53 PM
Manganese	0.0045	0.0020		mg/L	1	7/23/2010 4:30:53 PM
Potassium	ND	1.0		mg/L	1	7/23/2010 4:30:53 PM
Selenium	ND	0.050		mg/L	1	7/23/2010 4:30:53 PM
Silver	ND	0.0050		mg/L	1	7/23/2010 4:30:53 PM
Sodium	330	5.0		mg/L	5	7/23/2010 4:34:53 PM
Zinc	ND	0.050		mg/L	1	7/23/2010 4:30:53 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: RAGS
Arsenic	ND	0.020		mg/L	1	7/29/2010 4:09:58 PM
Barium	0.024	0.020		mg/L	1	7/29/2010 4:09:58 PM
Cadmium	ND	0.0020		mg/L	1	7/29/2010 4:09:58 PM
Chromium	0.017	0.0060		mg/L	1	7/29/2010 4:09:58 PM
Copper	ND	0.0060		mg/L	1	7/29/2010 4:09:58 PM
Iron	0.74	0.050		mg/L	1	7/29/2010 4:09:58 PM
Lead	ND	0.0050		mg/L	1	7/29/2010 4:09:58 PM
Manganese	0.033	0.0020		mg/L	1	7/29/2010 4:09:58 PM
Selenium	ND	0.050		mg/L	1	7/29/2010 4:09:58 PM
Silver	ND	0.0050		mg/L	1	7/29/2010 4:09:58 PM
Zinc	ND	0.020		mg/L	1	7/29/2010 4:09:58 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ

Qualifiers:

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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	1007793	**Collection Date:**	7/20/2010 12:52:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Acenaphthene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Acenaphthylene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Aniline	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Anthracene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Azobenzene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Benz(a)anthracene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Benzo(a)pyrene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Benzoic acid	ND	20		µg/L	1	7/28/2010 2:12:25 PM
Benzyl alcohol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/28/2010 2:12:25 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Butyl benzyl phthalate	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Carbazole	ND	10		µg/L	1	7/28/2010 2:12:25 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
4-Chloroaniline	ND	10		µg/L	1	7/28/2010 2:12:25 PM
2-Chloronaphthalene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
2-Chlorophenol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Chrysene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Di-n-butyl phthalate	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Di-n-octyl phthalate	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Dibenzofuran	ND	10		µg/L	1	7/28/2010 2:12:25 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Diethyl phthalate	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Dimethyl phthalate	ND	10		µg/L	1	7/28/2010 2:12:25 PM
2,4-Dichlorophenol	ND	20		µg/L	1	7/28/2010 2:12:25 PM
2,4-Dimethylphenol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/28/2010 2:12:25 PM
2,4-Dinitrophenol	ND	20		µg/L	1	7/28/2010 2:12:25 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 2:12:25 PM

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- NC Non-Chlorinated
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- PQL Practical Quantitation Limit
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Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	1007793	**Collection Date:**	7/20/2010 12:52:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Fluoranthene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Fluorene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Hexachlorobenzene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Hexachlorobutadiene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Hexachloroethane	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Isophorone	ND	10		µg/L	1	7/28/2010 2:12:25 PM
2-Methylnaphthalene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
2-Methylphenol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
3+4-Methylphenol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/28/2010 2:12:25 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	7/28/2010 2:12:25 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Naphthalene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
2-Nitroaniline	ND	10		µg/L	1	7/28/2010 2:12:25 PM
3-Nitroaniline	ND	10		µg/L	1	7/28/2010 2:12:25 PM
4-Nitroaniline	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Nitrobenzene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
2-Nitrophenol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
4-Nitrophenol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Pentachlorophenol	ND	20		µg/L	1	7/28/2010 2:12:25 PM
Phenanthrene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Phenol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Pyrene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Pyridine	ND	10		µg/L	1	7/28/2010 2:12:25 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/28/2010 2:12:25 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/28/2010 2:12:25 PM
Surr: 2,4,6-Tribromophenol	88.6	16.6-150		%REC	1	7/28/2010 2:12:25 PM
Surr: 2-Fluorobiphenyl	73.6	19.6-134		%REC	1	7/28/2010 2:12:25 PM
Surr: 2-Fluorophenol	58.3	9.54-113		%REC	1	7/28/2010 2:12:25 PM
Surr: 4-Terphenyl-d14	87.3	22.7-145		%REC	1	7/28/2010 2:12:25 PM
Surr: Nitrobenzene-d5	69.3	14.6-134		%REC	1	7/28/2010 2:12:25 PM
Surr: Phenol-d5	49.7	10.7-80.3		%REC	1	7/28/2010 2:12:25 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Toluene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Ethylbenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM

Qualifiers:

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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	1007793	**Collection Date:**	7/20/2010 12:52:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Naphthalene	ND	2.0		µg/L	1	7/28/2010 7:10:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 7:10:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 7:10:47 PM
Acetone	ND	10		µg/L	1	7/28/2010 7:10:47 PM
Bromobenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Bromoform	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Bromomethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
2-Butanone	ND	10		µg/L	1	7/28/2010 7:10:47 PM
Carbon disulfide	ND	10		µg/L	1	7/28/2010 7:10:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Chlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Chloroethane	ND	2.0		µg/L	1	7/28/2010 7:10:47 PM
Chloroform	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Chloromethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/28/2010 7:10:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Dibromomethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/28/2010 7:10:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
2-Hexanone	ND	10		µg/L	1	7/28/2010 7:10:47 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/28/2010 7:10:47 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	1007793	**Collection Date:**	7/20/2010 12:52:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/28/2010 7:10:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Styrene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/28/2010 7:10:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/28/2010 7:10:47 PM
Vinyl chloride	ND	1.0		µg/L	1	7/28/2010 7:10:47 PM
Xylenes, Total	ND	1.5		µg/L	1	7/28/2010 7:10:47 PM
Surr: 1,2-Dichloroethane-d4	107	54.6-141		%REC	1	7/28/2010 7:10:47 PM
Surr: 4-Bromofluorobenzene	115	60.1-133		%REC	1	7/28/2010 7:10:47 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	1	7/28/2010 7:10:47 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	7/28/2010 7:10:47 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1400	0.010		µmhos/cm	1	7/27/2010 5:52:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.73	0.1	H	pH units	1	7/27/2010 5:52:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007793	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Toluene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Ethylbenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Naphthalene	ND	2.0		µg/L	1	7/28/2010 7:38:14 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 7:38:14 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 7:38:14 PM
Acetone	ND	10		µg/L	1	7/28/2010 7:38:14 PM
Bromobenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Bromoform	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Bromomethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
2-Butanone	ND	10		µg/L	1	7/28/2010 7:38:14 PM
Carbon disulfide	ND	10		µg/L	1	7/28/2010 7:38:14 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Chlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Chloroethane	ND	2.0		µg/L	1	7/28/2010 7:38:14 PM
Chloroform	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Chloromethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/28/2010 7:38:14 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Dibromomethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/28/2010 7:38:14 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007793	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/28/2010 7:38:14 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/28/2010 7:38:14 PM
Methylene Chloride	ND	3.0		µg/L	1	7/28/2010 7:38:14 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Styrene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/28/2010 7:38:14 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/28/2010 7:38:14 PM
Vinyl chloride	ND	1.0		µg/L	1	7/28/2010 7:38:14 PM
Xylenes, Total	ND	1.5		µg/L	1	7/28/2010 7:38:14 PM
Surr: 1,2-Dichloroethane-d4	101	54.6-141		%REC	1	7/28/2010 7:38:14 PM
Surr: 4-Bromofluorobenzene	122	60.1-133		%REC	1	7/28/2010 7:38:14 PM
Surr: Dibromofluoromethane	99.3	78.5-130		%REC	1	7/28/2010 7:38:14 PM
Surr: Toluene-d8	104	79.5-126		%REC	1	7/28/2010 7:38:14 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007793	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Toluene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Ethylbenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Naphthalene	ND	2.0		µg/L	1	7/28/2010 8:05:43 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 8:05:43 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 8:05:43 PM
Acetone	ND	10		µg/L	1	7/28/2010 8:05:43 PM
Bromobenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Bromoform	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Bromomethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
2-Butanone	ND	10		µg/L	1	7/28/2010 8:05:43 PM
Carbon disulfide	ND	10		µg/L	1	7/28/2010 8:05:43 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Chlorobenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Chloroethane	ND	2.0		µg/L	1	7/28/2010 8:05:43 PM
Chloroform	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Chloromethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/28/2010 8:05:43 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Dibromomethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/28/2010 8:05:43 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007793	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007793-04	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/28/2010 8:05:43 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/28/2010 8:05:43 PM
Methylene Chloride	ND	3.0		µg/L	1	7/28/2010 8:05:43 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Styrene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/28/2010 8:05:43 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/28/2010 8:05:43 PM
Vinyl chloride	ND	1.0		µg/L	1	7/28/2010 8:05:43 PM
Xylenes, Total	ND	1.5		µg/L	1	7/28/2010 8:05:43 PM
Surr: 1,2-Dichloroethane-d4	103	54.6-141		%REC	1	7/28/2010 8:05:43 PM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	7/28/2010 8:05:43 PM
Surr: Dibromofluoromethane	102	78.5-130		%REC	1	7/28/2010 8:05:43 PM
Surr: Toluene-d8	104	79.5-126		%REC	1	7/28/2010 8:05:43 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007793
Lab ID: B10072227-001
Client Sample ID 1007793-01E & -01G BW-2A

Report Date: 08/03/10
Collection Date: 07/20/10 12:18
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	08/02/10 21:00 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	07/31/10 11:26 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007793
Lab ID: B10072227-002
Client Sample ID 1007793-02E & -02G BW-2C

Report Date: 08/03/10
Collection Date: 07/20/10 12:52
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.006	mg/L		0.001		SW6020	08/02/10 21:04 / tao
METALS, TOTAL							
Uranium	0.006	mg/L		0.001		SW6020	07/31/10 11:54 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007793

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R39986**	Analysis Date:	7/22/2010 10:09:45 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R40089**	Analysis Date:	7/28/2010 9:45:23 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS-b		*LCS*				Batch ID:	**R39986**	Analysis Date:	7/22/2010 1:38:41 PM		
Fluoride	0.5457	mg/L	0.10	0.5	0	109	90	110			
Chloride	5.038	mg/L	0.50	5	0	101	90	110			
Bromide	2.547	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.565	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.003	mg/L	0.50	5	0	100	90	110			
Sulfate	10.17	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R40089**	Analysis Date:	7/28/2010 10:02:47 AM		
Fluoride	0.5500	mg/L	0.10	0.5	0	110	90	110			
Chloride	5.162	mg/L	0.50	5	0	103	90	110			
Bromide	2.643	mg/L	0.10	2.5	0	106	90	110			
Nitrate (As N)+Nitrite (As N)	3.638	mg/L	0.20	3.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.077	mg/L	0.50	5	0	102	90	110			
Sulfate	10.47	mg/L	0.50	10	0	105	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007793

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1007793-01a msd		*MSD*				Batch ID: **R40086**		Analysis Date:		7/28/2010 9:00:40 PM	
Benzene	19.23	µg/L	1.0	20	0	96.1	75.7	118	1.99	15	
Toluene	21.84	µg/L	1.0	20	0	109	80.1	114	1.96	15	
Chlorobenzene	20.78	µg/L	1.0	20	0	104	81.5	112	2.68	15	
1,1-Dichloroethene	23.64	µg/L	1.0	20	0	118	77.4	132	3.41	17.8	
Trichloroethene (TCE)	16.57	µg/L	1.0	20	0	82.9	61.1	121	0.0121	19.8	
Sample ID: b3		*MBLK*				Batch ID: **R40086**		Analysis Date:		7/28/2010 10:48:22 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-[redacted]lnaphthalene	ND	µg/L	4.0								
Ac[redacted]	ND	µg/L	10								
Bro[redacted]enzene	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[redacted]loropropane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007793

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*					Batch ID: **R40086**		Analysis Date:	7/28/2010 10:48:22 AM	
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b4		*MBLK*					Batch ID: **R40086**		Analysis Date:	7/28/2010 10:23:15 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007793

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*					**Batch ID: R40086**		Analysis Date: 7/28/2010 10:23:15 PM		
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-D[redacted]robenzene	ND	µg/L	1.0								
Dichl[redacted]fluoromethane	ND	µg/L	1.0								
1,1-D[redacted]roethane	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[redacted]chloroethane	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007793

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*				Batch ID:	**R40086**	Analysis Date:	7/28/2010 10:23:15 PM		
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R40086**	Analysis Date:	7/28/2010 12:15:54 PM		
Benzene	19.43	µg/L	1.0	20	0	97.2	82.4	116			
Toluene	21.80	µg/L	1.0	20	0	109	89.5	123			
Chlorobenzene	20.91	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	24.33	µg/L	1.0	20	0	122	90.3	138			
Trichloroethene (TCE)	17.27	µg/L	1.0	20	0	86.3	64	129			
Sample ID: 1007793-01a ms		*MS*				Batch ID:	**R40086**	Analysis Date:	7/28/2010 8:33:13 PM		
Benzene	18.85	µg/L	1.0	20	0	94.2	75.7	118			
Toluene	21.42	µg/L	1.0	20	0	107	80.1	114			
Chlorobenzene	20.23	µg/L	1.0	20	0	101	81.5	112			
1,1-Dichloroethene	22.84	µg/L	1.0	20	0	114	77.4	132			
Trichloroethene (TCE)	16.57	µg/L	1.0	20	0	82.9	61.1	121			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007793

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23145		*MBLK*					**Batch ID: 23145**		**Analysis Date: 7/28/2010 12:10:57 PM**		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bro[redacted]henyl phenyl ether	ND	µg/L	10								
Butyl [redacted]l phthalate	ND	µg/L	10								
Carba[redacted]	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								
Hexa[redacted]obenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007793

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23145		*MBLK*				Batch ID:	**23145**	Analysis Date:	7/28/2010 12:10:57 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	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-23145		*LCS*				Batch ID:	**23145**	Analysis Date:	7/28/2010 12:41:12 PM		
Acenaphthene	55.44	µg/L	10	100	0	55.4	29.3	113			
4-Chloro-3-methylphenol	145.2	µg/L	10	200	0	72.6	23.3	123			
2-Chlorophenol	107.1	µg/L	10	200	0	53.5	23.9	112			
1,4-Dichlorobenzene	48.70	µg/L	10	100	0	48.7	16.5	106			
2,4-Dinitrotoluene	55.86	µg/L	10	100	0	55.9	27.7	126			
N-Nitrosodi-n-propylamine	55.72	µg/L	10	100	0	55.7	25.9	113			
4-Nitrophenol	42.36	µg/L	10	200	0	21.2	13.2	76.7			
Pentachlorophenol	62.22	µg/L	20	200	0	31.1	22.4	121			
Phenol	75.82	µg/L	10	200	0	37.9	15.3	68.3			
Pyrene	69.98	µg/L	10	100	0	70.0	23.5	119			
1,2,4-Trichlorobenzene	55.30	µg/L	10	100	0	55.3	23	107			
Sample ID: lcsd-23145		*LCSD*				Batch ID:	**23145**	Analysis Date:	7/28/2010 1:11:30 PM		
Acenaphthene	67.22	µg/L	10	100	0	67.2	29.3	113	19.2	30.5	
4-Chloro-3-methylphenol	165.0	µg/L	10	200	0	82.5	23.3	123	12.8	28.6	
2-Chlorophenol	122.1	µg/L	10	200	0	61.1	23.9	112	13.1	107	
1,4-Dichlorobenzene	55.38	µg/L	10	100	0	55.4	16.5	106	12.8	62.1	
2,4-Dinitrotoluene	70.84	µg/L	10	100	0	70.8	27.7	126	23.6	14.7	R

Qualifiers:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007793

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23145		*LCSD*				Batch ID:	**23145**	Analysis Date:		7/28/2010 1:11:30 PM	
N-Nitrosodi-n-propylamine	63.60	µg/L	10	100	0	63.6	25.9	113	13.2	30.3	
4-Nitrophenol	52.54	µg/L	10	200	0	26.3	13.2	76.7	21.5	36.3	
Pentachlorophenol	69.78	µg/L	20	200	0	34.9	22.4	121	11.5	49	
Phenol	86.12	µg/L	10	200	0	43.1	15.3	68.3	12.7	52.4	
Pyrene	83.48	µg/L	10	100	0	83.5	23.5	119	17.6	16.3	R
1,2,4-Trichlorobenzene	55.46	µg/L	10	100	0	55.5	23	107	0.289	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-23144		*MBLK*				Batch ID:	**23144**	Analysis Date:		7/26/2010 5:21:09 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23144		*LCS*				Batch ID:	**23144**	Analysis Date:		7/26/2010 5:22:57 PM	
Mercury	0.005269	mg/L	0.00020	0.005	0	105	80	120			
Sample ID: LCS-23144		*LCS*				Batch ID:	**23144**	Analysis Date:		7/26/2010 5:24:46 PM	
Mercury	0.005365	mg/L	0.00020	0.005	0	107	80	120	1.79	0	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007793

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R40015**	Analysis Date:	7/23/2010 2:45:52 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	**R40015**	Analysis Date:	7/23/2010 2:48:39 PM		
Arsenic	0.5176	mg/L	0.020	0.5	0	104	80	120			
Barium	0.4897	mg/L	0.020	0.5	0	97.9	80	120			
Cadmium	0.5026	mg/L	0.0020	0.5	0	101	80	120			
Chromium	0.5019	mg/L	0.0060	0.5	0	100	80	120			
Copper	0.5172	mg/L	0.0060	0.5	0	103	80	120			
Iron	0.5074	mg/L	0.020	0.5	0	101	80	120			
Lead	0.4925	mg/L	0.0050	0.5	0	98.5	80	120			
Manganese	0.4882	mg/L	0.0020	0.5	0	97.6	80	120			
Selenium	0.5008	mg/L	0.050	0.5	0	100	80	120			
Silver	0.5234	mg/L	0.0050	0.5	0	105	80	120			
Zinc	0.4979	mg/L	0.050	0.5	0	99.6	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R40015**	Analysis Date:	7/23/2010 2:53:22 PM		
Calcium	51.93	mg/L	1.0	50.5	0	103	80	120			
Magnesium	50.86	mg/L	1.0	50.5	0	101	80	120			
Potassium	49.05	mg/L	1.0	55	0	89.2	80	120			
Sodium	50.93	mg/L	1.0	50.5	0	101	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007793

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23130		*MBLK*				Batch ID:	**23130**	Analysis Date:	7/29/2010 3:03:07 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23130		*LCS*				Batch ID:	**23130**	Analysis Date:	7/29/2010 3:15:05 PM		
Arsenic	0.4835	mg/L	0.020	0.5	0	96.7	80	120			
Barium	0.4589	mg/L	0.020	0.5	0	91.8	80	120			
Cadmium	0.4703	mg/L	0.0020	0.5	0	94.1	80	120			
Chromium	0.4661	mg/L	0.0060	0.5	0	93.2	80	120			
Copper	0.5217	mg/L	0.0060	0.5	0.0023	104	80	120			
Iron	0.4835	mg/L	0.050	0.5	0	96.7	80	120			
Lead	0.4658	mg/L	0.0050	0.5	0	93.2	80	120			
Manganese	0.4593	mg/L	0.0020	0.5	0.0002	91.8	80	120			
Selenium	0.4724	mg/L	0.050	0.5	0	94.5	80	120			
Silver	0.4872	mg/L	0.0050	0.5	0	97.4	80	120			
Zinc	0.4369	mg/L	0.020	0.5	0	87.4	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC Summary Report

Client: Hall Environmental
Project: 1007793

Report Date: 08/03/10
Work Order: B10072227

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_100802A	
Sample ID: QCS - 100607A,10042		Initial Calibration Verification Standard								08/02/10 11:08
Uranium		0.0197	mg/L	0.00030	99	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								08/02/10 11:12
Uranium		9.00E-06	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB								08/02/10 11:16
Uranium		6.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R151662
Sample ID: LRB		Method Blank				Run: ICPMS202-B_100802A				08/02/10 11:56
Uranium		ND	mg/L	2E-05						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_100802A				08/02/10 12:01
Uranium		0.0460	mg/L	0.00030	92	85	115			
Sample ID: B10072227-002ADIL		Serial Dilution				Run: ICPMS202-B_100802A				08/02/10 21:08
Uranium		0.00549	mg/L	0.0010		0	0			
Sample ID: B10072227-001AMS		Sample Matrix Spike				Run: ICPMS202-B_100802A				08/02/10 22:08
Uranium		0.0488	mg/L	0.0010	97	75	125			
Sample ID: B10072227-001AMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_100802A				08/02/10 22:12
Uranium		0.0483	mg/L	0.0010	97	75	125	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1007793

Report Date: 08/03/10
Work Order: B10072227

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_100730B	
Sample ID: QCS-100607A,100420		Initial Calibration Verification Standard							07/30/10 21:41	
Uranium		0.0190	mg/L	0.00030	95	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							07/31/10 10:46	
Uranium		0.000143	mg/L	0.00030						
Sample ID: ICSAB-ME091229B,09		Interference Check Sample AB							07/31/10 10:50	
Uranium		3.00E-05	mg/L	0.00030		0	0			
Method: SW6020									Batch: 47911	
Sample ID: MB-47911		Method Blank				Run: ICPMS203-B_100730B			07/31/10 11:22	
Uranium		5E-05	mg/L	4E-06						
Sample ID: B10072227-001BDIL		Serial Dilution				Run: ICPMS203-B_100730B			07/31/10 11:49	
Uranium		0.000153	mg/L	0.0010		0	0		10	N
Sample ID: LCS5-47911		Laboratory Control Sample				Run: ICPMS203-B_100730B			07/31/10 12:21	
Uranium		0.545	mg/L	0.0010	109	85	115			
Sample ID: B10072227-001BPDS1		Post Digestion/Distillation Spike				Run: ICPMS203-B_100730B			07/31/10 12:25	
[redacted]um		0.0474	mg/L	0.0010	95	75	125			
Sample ID: B10072227-001BMS5		Sample Matrix Spike				Run: ICPMS203-B_100730B			07/31/10 12:48	
Uranium		0.547	mg/L	0.0010	109	75	125			
Sample ID: B10072227-001BMSD5		Sample Matrix Spike Duplicate				Run: ICPMS203-B_100730B			07/31/10 12:52	
Uranium		0.550	mg/L	0.0010	110	75	125	0.6	20	

[redacted]ifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **7/22/2010**

Work Order Number **1007793** Received by: ARS

Checklist completed by: _____ 7/22/10 Sample ID labels checked by: _____
Signature Date Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☑	N/A ☐	
Container/Temp Blank temperature?	-1.6°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 9

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 4 ml to diss metals bottle (1007793-1) for acceptable ph. @ 7/22/10

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: 2010 Annual

Project #: BW 2A, 2C

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☑ Yes ☐ No

Sample Temperature: 1.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1007793	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss.	GenChem		Air Bubbles (Y or N)
7/20/10	1218	H2O	BW-2A			1										X	X	X	X	X		
7/20/10	1252	1	BW-2C			2										1	1	1	1	1		
			Field Blank			3																
			Trip Blank			4																

Date	Time	Relinquished by:	Received by:	Date	Time
7/21/10	0905			7/22/10	10:50
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: GenChem: Cations, Anions pH, Spec Cond.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

BW-MCA
BW-28
Annual

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Friday, August 06, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual

Order No.: 1007794

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 7/22/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

For Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: GWM-1
Lab Order: 1007794
Collection Date: 7/20/2010 9:53:00 AM
Project: 2010 Annual
Date Received: 7/22/2010
Lab ID: 1007794-01
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	2.9	0.50		mg/L	5	7/22/2010 9:11:17 PM
Chloride	1500	50		mg/L	100	7/24/2010 7:49:06 AM
Bromide	2.6	0.50		mg/L	5	7/22/2010 9:11:17 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	7/24/2010 10:25:46 AM
Phosphorus, Orthophosphate (As P)	ND	2.5	H	mg/L	5	7/22/2010 9:11:17 PM
Sulfate	57	2.5		mg/L	5	7/22/2010 9:11:17 PM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	8/3/2010 6:02:24 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: SNV
Arsenic	0.15	0.020		mg/L	1	8/2/2010 11:11:49 AM
Barium	1.1	0.10		mg/L	5	8/2/2010 11:30:47 AM
Cadmium	ND	0.0020		mg/L	1	8/2/2010 11:11:49 AM
Calcium	310	5.0		mg/L	5	8/2/2010 11:30:47 AM
Chromium	ND	0.0060		mg/L	1	8/2/2010 11:11:49 AM
Copper	ND	0.0060		mg/L	1	8/2/2010 11:11:49 AM
Iron	14	0.40		mg/L	20	8/2/2010 1:08:03 PM
Lead	0.0056	0.0050		mg/L	1	8/2/2010 11:11:49 AM
Magnesium	70	1.0		mg/L	1	8/2/2010 11:11:49 AM
Manganese	2.9	0.010		mg/L	5	8/2/2010 11:30:47 AM
Potassium	3.1	1.0		mg/L	1	8/2/2010 11:11:49 AM
Selenium	ND	0.050		mg/L	1	8/2/2010 11:11:49 AM
Silver	ND	0.0050		mg/L	1	8/2/2010 11:11:49 AM
Sodium	1200	20		mg/L	20	8/2/2010 1:08:03 PM
Zinc	ND	0.050		mg/L	1	8/2/2010 11:11:49 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Arsenic	0.16	0.020		mg/L	1	7/28/2010 12:00:58 PM
Barium	1.2	0.10		mg/L	5	7/28/2010 12:05:00 PM
Cadmium	ND	0.0020		mg/L	1	7/28/2010 12:00:58 PM
Chromium	ND	0.0060		mg/L	1	7/28/2010 12:00:58 PM
Copper	0.019	0.0060		mg/L	1	7/28/2010 12:00:58 PM
Iron	20	2.5		mg/L	50	7/28/2010 2:07:42 PM
Lead	0.011	0.0050		mg/L	1	7/28/2010 12:00:58 PM
Manganese	3.0	0.010		mg/L	5	7/28/2010 12:05:00 PM
Selenium	ND	0.050		mg/L	1	7/28/2010 12:00:58 PM
Silver	ND	0.0050		mg/L	1	7/28/2010 12:00:58 PM
Zinc	0.031	0.020		mg/L	1	7/28/2010 12:00:58 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1007794	**Collection Date:**	7/20/2010 9:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Acenaphthene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Acenaphthylene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Aniline	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Anthracene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Azobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benz(a)anthracene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benzo(a)pyrene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Benzoic acid	ND	20		µg/L	1	7/28/2010 4:13:36 PM
Benzyl alcohol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Butyl benzyl phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Carbazole	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Chloroaniline	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Chloronaphthalene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Chlorophenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Chrysene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Di-n-butyl phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Di-n-octyl phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Dibenzofuran	ND	10		µg/L	1	7/28/2010 4:13:36 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Diethyl phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Dimethyl phthalate	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2,4-Dichlorophenol	ND	20		µg/L	1	7/28/2010 4:13:36 PM
2,4-Dimethylphenol	52	10		µg/L	1	7/28/2010 4:13:36 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/28/2010 4:13:36 PM
2,4-Dinitrophenol	ND	20		µg/L	1	7/28/2010 4:13:36 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 4:13:36 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1007794	**Collection Date:**	7/20/2010 9:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Fluoranthene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Fluorene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Hexachlorobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Hexachlorobutadiene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Hexachloroethane	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Isophorone	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Methylnaphthalene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Methylphenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
3+4-Methylphenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/28/2010 4:13:36 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	7/28/2010 4:13:36 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Naphthalene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Nitroaniline	ND	10		µg/L	1	7/28/2010 4:13:36 PM
3-Nitroaniline	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Nitroaniline	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Nitrobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2-Nitrophenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
4-Nitrophenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Pentachlorophenol	ND	20		µg/L	1	7/28/2010 4:13:36 PM
Phenanthrene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Phenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Pyrene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Pyridine	ND	10		µg/L	1	7/28/2010 4:13:36 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/28/2010 4:13:36 PM
Surr: 2,4,6-Tribromophenol	58.3	16.6-150		%REC	1	7/28/2010 4:13:36 PM
Surr: 2-Fluorobiphenyl	53.3	19.6-134		%REC	1	7/28/2010 4:13:36 PM
Surr: 2-Fluorophenol	46.0	9.54-113		%REC	1	7/28/2010 4:13:36 PM
Surr: 4-Terphenyl-d14	57.9	22.7-145		%REC	1	7/28/2010 4:13:36 PM
Surr: Nitrobenzene-d5	53.6	14.6-134		%REC	1	7/28/2010 4:13:36 PM
Surr: Phenol-d5	33.5	10.7-80.3		%REC	1	7/28/2010 4:13:36 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	8.0	1.0		µg/L	1	7/26/2010 3:40:24 PM
Toluene	2.0	1.0		µg/L	1	7/26/2010 3:40:24 PM
Ethylbenzene	6.8	1.0		µg/L	1	7/26/2010 3:40:24 PM
Methyl tert-butyl ether (MTBE)	77	1.0		µg/L	1	7/26/2010 3:40:24 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1007794	**Collection Date:**	7/20/2010 9:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	13	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Naphthalene	3.5	2.0		µg/L	1	7/26/2010 3:40:24 PM
1-Methylnaphthalene	7.2	4.0		µg/L	1	7/26/2010 3:40:24 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 3:40:24 PM
Acetone	12	10		µg/L	1	7/26/2010 3:40:24 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 3:40:24 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 3:40:24 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 3:40:24 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 3:40:24 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 3:40:24 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 3:40:24 PM
Isopropylbenzene	1.6	1.0		µg/L	1	7/26/2010 3:40:24 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 3:40:24 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-1
Lab Order:	1007794	**Collection Date:**	7/20/2010 9:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 3:40:24 PM
n-Butylbenzene	1.9	1.0		µg/L	1	7/26/2010 3:40:24 PM
n-Propylbenzene	1.5	1.0		µg/L	1	7/26/2010 3:40:24 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 3:40:24 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 3:40:24 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 3:40:24 PM
Xylenes, Total	30	1.5		µg/L	1	7/26/2010 3:40:24 PM
Surr: 1,2-Dichloroethane-d4	133	54.6-141		%REC	1	7/26/2010 3:40:24 PM
Surr: 4-Bromofluorobenzene	93.9	60.1-133		%REC	1	7/26/2010 3:40:24 PM
Surr: Dibromofluoromethane	132	78.5-130	S	%REC	1	7/26/2010 3:40:24 PM
Surr: Toluene-d8	97.6	79.5-126		%REC	1	7/26/2010 3:40:24 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	6400	0.010		µmhos/cm	1	7/27/2010 6:10:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	7.18	0.1	H	pH units	1	7/27/2010 6:10:00 PM

Qualifiers:

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- E Estimated value
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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:12:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: LJB
Fluoride	2.7	0.10		mg/L	1	7/22/2010 10:03:30 PM
Chloride	37	10		mg/L	20	7/22/2010 10:20:55 PM
Bromide	0.11	0.10		mg/L	1	7/22/2010 10:03:30 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	7/24/2010 10:08:21 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	7/22/2010 10:03:30 PM
Sulfate	290	10		mg/L	20	7/22/2010 10:20:55 PM
EPA METHOD 7470: MERCURY						Analyst: IC
Mercury	ND	0.00020		mg/L	1	8/3/2010 6:07:55 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: SNV
Arsenic	ND	0.020		mg/L	1	8/2/2010 11:20:19 AM
Barium	ND	0.020		mg/L	1	8/2/2010 11:20:19 AM
Cadmium	ND	0.0020		mg/L	1	8/2/2010 11:20:19 AM
Calcium	3.2	1.0		mg/L	1	8/2/2010 11:20:19 AM
Chromium	ND	0.0060		mg/L	1	8/2/2010 11:20:19 AM
Copper	ND	0.0060		mg/L	1	8/2/2010 11:20:19 AM
Iron	ND	0.020		mg/L	1	8/2/2010 11:20:19 AM
Lead	ND	0.0050		mg/L	1	8/2/2010 11:20:19 AM
Magnesium	ND	1.0		mg/L	1	8/2/2010 11:20:19 AM
Manganese	0.0094	0.0020		mg/L	1	8/2/2010 11:20:19 AM
Potassium	ND	1.0		mg/L	1	8/2/2010 11:20:19 AM
Selenium	ND	0.050		mg/L	1	8/2/2010 11:20:19 AM
Silver	ND	0.0050		mg/L	1	8/2/2010 11:20:19 AM
Sodium	310	5.0		mg/L	5	8/2/2010 11:34:56 AM
Zinc	ND	0.050		mg/L	1	8/2/2010 11:20:19 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: SNV
Arsenic	ND	0.020		mg/L	1	7/28/2010 12:32:56 PM
Barium	ND	0.020		mg/L	1	7/28/2010 12:32:56 PM
Cadmium	ND	0.0020		mg/L	1	7/28/2010 12:32:56 PM
Chromium	ND	0.0060		mg/L	1	7/28/2010 12:32:56 PM
Copper	ND	0.0060		mg/L	1	7/28/2010 12:32:56 PM
Iron	ND	0.050		mg/L	1	7/28/2010 12:32:56 PM
Lead	ND	0.0050		mg/L	1	7/28/2010 12:32:56 PM
Manganese	0.0083	0.0020		mg/L	1	7/28/2010 12:32:56 PM
Selenium	ND	0.050		mg/L	1	7/28/2010 12:32:56 PM
Silver	ND	0.0050		mg/L	1	7/28/2010 12:32:56 PM
Zinc	ND	0.020		mg/L	1	7/28/2010 12:32:56 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ

Qualifiers:

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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:12:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Acenaphthene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Acenaphthylene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Aniline	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Anthracene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Azobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benz(a)anthracene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benzo(a)pyrene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Benzoic acid	ND	20		µg/L	1	7/28/2010 4:43:42 PM
Benzyl alcohol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Butyl benzyl phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Carbazole	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Chloroaniline	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2-Chloronaphthalene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2-Chlorophenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Chrysene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Di-n-butyl phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Di-n-octyl phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Dibenzofuran	ND	10		µg/L	1	7/28/2010 4:43:42 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Diethyl phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Dimethyl phthalate	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2,4-Dichlorophenol	ND	20		µg/L	1	7/28/2010 4:43:42 PM
2,4-Dimethylphenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/28/2010 4:43:42 PM
2,4-Dinitrophenol	ND	20		µg/L	1	7/28/2010 4:43:42 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 4:43:42 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
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- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:12:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Fluoranthene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Fluorene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Hexachlorobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Hexachlorobutadiene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Hexachloroethane	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Isophorone	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2-Methylnaphthalene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2-Methylphenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
3+4-Methylphenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/28/2010 4:43:42 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	7/28/2010 4:43:42 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Naphthalene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
[redacted]-Nitroaniline	ND	10		µg/L	1	7/28/2010 4:43:42 PM
[redacted]-Nitroaniline	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Nitroaniline	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Nitrobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2-Nitrophenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
4-Nitrophenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Pentachlorophenol	ND	20		µg/L	1	7/28/2010 4:43:42 PM
Phenanthrene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Phenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Pyrene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Pyridine	ND	10		µg/L	1	7/28/2010 4:43:42 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/28/2010 4:43:42 PM
Surr: 2,4,6-Tribromophenol	61.3	16.6-150		%REC	1	7/28/2010 4:43:42 PM
Surr: 2-Fluorobiphenyl	47.8	19.6-134		%REC	1	7/28/2010 4:43:42 PM
Surr: 2-Fluorophenol	42.9	9.54-113		%REC	1	7/28/2010 4:43:42 PM
Surr: 4-Terphenyl-d14	81.3	22.7-145		%REC	1	7/28/2010 4:43:42 PM
Surr: Nitrobenzene-d5	47.7	14.6-134		%REC	1	7/28/2010 4:43:42 PM
Surr: Phenol-d5	35.4	10.7-80.3		%REC	1	7/28/2010 4:43:42 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM

[redacted]ualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:12:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 4:59:33 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 4:59:33 PM
Acetone	ND	10		µg/L	1	7/26/2010 4:59:33 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 4:59:33 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 4:59:33 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 4:59:33 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 4:59:33 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:12:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 4:59:33 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 4:59:33 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 4:59:33 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 4:59:33 PM
Surr: 1,2-Dichloroethane-d4	122	54.6-141		%REC	1	7/26/2010 4:59:33 PM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	7/26/2010 4:59:33 PM
Surr: Dibromofluoromethane	128	78.5-130		%REC	1	7/26/2010 4:59:33 PM
Surr: Toluene-d8	89.2	79.5-126		%REC	1	7/26/2010 4:59:33 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1400	0.010		µmhos/cm	1	7/27/2010 6:40:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.66	0.1	H	pH units	1	7/27/2010 6:40:00 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	1.8	0.10		mg/L	1	7/22/2010 10:38:19 PM
Chloride	32	10		mg/L	20	7/22/2010 10:55:44 PM
Bromide	0.82	0.10		mg/L	1	7/22/2010 10:38:19 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	7/29/2010 8:04:05 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	7/22/2010 10:38:19 PM
Sulfate	160	10		mg/L	20	7/22/2010 10:55:44 PM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	8/3/2010 6:09:47 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/2/2010 11:24:37 AM
Barium	0.047	0.020		mg/L	1	8/2/2010 11:24:37 AM
Cadmium	ND	0.0020		mg/L	1	8/2/2010 11:24:37 AM
Calcium	14	1.0		mg/L	1	8/2/2010 11:24:37 AM
Chromium	ND	0.0060		mg/L	1	8/2/2010 11:24:37 AM
Copper	ND	0.0060		mg/L	1	8/2/2010 11:24:37 AM
Iron	0.14	0.020		mg/L	1	8/2/2010 11:24:37 AM
Lead	ND	0.0050		mg/L	1	8/2/2010 11:24:37 AM
Magnesium	3.1	1.0		mg/L	1	8/2/2010 11:24:37 AM
Manganese	0.22	0.0020		mg/L	1	8/2/2010 11:24:37 AM
Potassium	1.2	1.0		mg/L	1	8/2/2010 11:24:37 AM
Selenium	ND	0.050		mg/L	1	8/2/2010 11:24:37 AM
Silver	ND	0.0050		mg/L	1	8/2/2010 11:24:37 AM
Sodium	580	10		mg/L	10	8/2/2010 1:20:09 PM
Zinc	ND	0.050		mg/L	1	8/2/2010 11:24:37 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	7/28/2010 12:40:17 PM
Barium	0.047	0.020		mg/L	1	7/28/2010 12:40:17 PM
Cadmium	ND	0.0020		mg/L	1	7/28/2010 12:40:17 PM
Chromium	ND	0.0060		mg/L	1	7/28/2010 12:40:17 PM
Copper	ND	0.0060		mg/L	1	7/28/2010 12:40:17 PM
Iron	0.16	0.050		mg/L	1	7/28/2010 12:40:17 PM
Lead	ND	0.0050		mg/L	1	7/28/2010 12:40:17 PM
Manganese	0.20	0.0020		mg/L	1	7/28/2010 12:40:17 PM
Selenium	ND	0.050		mg/L	1	7/28/2010 12:40:17 PM
Silver	ND	0.0050		mg/L	1	7/28/2010 12:40:17 PM
Zinc	ND	0.020		mg/L	1	7/28/2010 12:40:17 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Acenaphthene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Acenaphthylene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Aniline	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Anthracene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Azobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benz(a)anthracene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benzo(a)pyrene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Benzoic acid	ND	20		µg/L	1	7/28/2010 5:13:38 PM
Benzyl alcohol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Butyl benzyl phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Carbazole	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Chloroaniline	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Chloronaphthalene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Chlorophenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Chrysene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Di-n-butyl phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Di-n-octyl phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Dibenzofuran	ND	10		µg/L	1	7/28/2010 5:13:38 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Diethyl phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Dimethyl phthalate	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2,4-Dichlorophenol	ND	20		µg/L	1	7/28/2010 5:13:38 PM
2,4-Dimethylphenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/28/2010 5:13:38 PM
2,4-Dinitrophenol	ND	20		µg/L	1	7/28/2010 5:13:38 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 5:13:38 PM

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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Fluoranthene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Fluorene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Hexachlorobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Hexachlorobutadiene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Hexachloroethane	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Isophorone	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Methylnaphthalene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Methylphenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
3+4-Methylphenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/28/2010 5:13:38 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	7/28/2010 5:13:38 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Naphthalene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Nitroaniline	ND	10		µg/L	1	7/28/2010 5:13:38 PM
3-Nitroaniline	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Nitroaniline	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Nitrobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2-Nitrophenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
4-Nitrophenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Pentachlorophenol	ND	20		µg/L	1	7/28/2010 5:13:38 PM
Phenanthrene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Phenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Pyrene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Pyridine	ND	10		µg/L	1	7/28/2010 5:13:38 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/28/2010 5:13:38 PM
Surr: 2,4,6-Tribromophenol	68.1	16.6-150		%REC	1	7/28/2010 5:13:38 PM
Surr: 2-Fluorobiphenyl	65.7	19.6-134		%REC	1	7/28/2010 5:13:38 PM
Surr: 2-Fluorophenol	60.3	9.54-113		%REC	1	7/28/2010 5:13:38 PM
Surr: 4-Terphenyl-d14	76.1	22.7-145		%REC	1	7/28/2010 5:13:38 PM
Surr: Nitrobenzene-d5	67.7	14.6-134		%REC	1	7/28/2010 5:13:38 PM
Surr: Phenol-d5	43.9	10.7-80.3		%REC	1	7/28/2010 5:13:38 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM

Qualifiers:

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- E Estimated value
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- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 5:25:44 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 5:25:44 PM
Acetone	ND	10		µg/L	1	7/26/2010 5:25:44 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 5:25:44 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 5:25:44 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 5:25:44 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 5:25:44 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	1007794	**Collection Date:**	7/20/2010 11:53:00 AM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 5:25:44 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 5:25:44 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 5:25:44 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 5:25:44 PM
Surr: 1,2-Dichloroethane-d4	124	54.6-141		%REC	1	7/26/2010 5:25:44 PM
Surr: 4-Bromofluorobenzene	105	60.1-133		%REC	1	7/26/2010 5:25:44 PM
Surr: Dibromofluoromethane	124	78.5-130		%REC	1	7/26/2010 5:25:44 PM
Surr: Toluene-d8	93.9	79.5-126		%REC	1	7/26/2010 5:25:44 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	2200	0.010		µmhos/cm	1	7/27/2010 6:58:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.17	0.1	H	pH units	1	7/27/2010 6:58:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007794	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 5:52:09 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 5:52:09 PM
Acetone	ND	10		µg/L	1	7/26/2010 5:52:09 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 5:52:09 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 5:52:09 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007794	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/26/2010 5:52:09 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 5:52:09 PM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 5:52:09 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 5:52:09 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 5:52:09 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 5:52:09 PM
Surr: 1,2-Dichloroethane-d4	125	54.6-141		%REC	1	7/26/2010 5:52:09 PM
Surr: 4-Bromofluorobenzene	102	60.1-133		%REC	1	7/26/2010 5:52:09 PM
Surr: Dibromofluoromethane	125	78.5-130		%REC	1	7/26/2010 5:52:09 PM
Surr: Toluene-d8	89.9	79.5-126		%REC	1	7/26/2010 5:52:09 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007794	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 6:18:22 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 6:18:22 PM
Acetone	ND	10		µg/L	1	7/26/2010 6:18:22 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 6:18:22 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 6:18:22 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007794	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007794-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/26/2010 6:18:22 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 6:18:22 PM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 6:18:22 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 6:18:22 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 6:18:22 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 6:18:22 PM
Surr: 1,2-Dichloroethane-d4	127	54.6-141		%REC	1	7/26/2010 6:18:22 PM
Surr: 4-Bromofluorobenzene	106	60.1-133		%REC	1	7/26/2010 6:18:22 PM
Surr: Dibromofluoromethane	126	78.5-130		%REC	1	7/26/2010 6:18:22 PM
Surr: Toluene-d8	95.7	79.5-126		%REC	1	7/26/2010 6:18:22 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007794
Lab ID: B10072228-001
Client Sample ID 1007794-01E & -01G GWM-1

Report Date: 08/03/10
Collection Date: 07/20/10 09:53
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.011	mg/L		0.001		SW6020	08/02/10 21:12 / tao
METALS, TOTAL							
Uranium	0.011	mg/L		0.001		SW6020	07/31/10 11:58 / tao

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007794
Lab ID: B10072228-002
Client Sample ID 1007794-02E & -02G BW-1C

Report Date: 08/03/10
Collection Date: 07/20/10 11:12
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.003	mg/L		0.001		SW6020	08/02/10 21:16 / tao
METALS, TOTAL							
Uranium	0.003	mg/L		0.001		SW6020	07/31/10 12:03 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007794
Lab ID: B10072228-003
Client Sample ID 1007794-03E & -03G BW-2B

Report Date: 08/03/10
Collection Date: 07/20/10 11:53
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.012	mg/L		0.001		SW6020	08/02/10 21:36 / tao
METALS, TOTAL							
Uranium	0.012	mg/L		0.001		SW6020	07/31/10 12:07 / tao

Report Definitions: RL - Analyte reporting limit. MCL - Maximum contaminant level.
QCL - Quality control limit. ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R39986**	Analysis Date:	7/22/2010 10:09:45 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: MB		*MBLK*				Batch ID:	**R40089**	Analysis Date:	7/28/2010 9:45:23 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Bromide	ND	mg/L	0.10								
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS-b		*LCS*				Batch ID:	**R39986**	Analysis Date:	7/22/2010 1:38:41 PM		
Fluoride	0.5457	mg/L	0.10	0.5	0	109	90	110			
Chloride	5.038	mg/L	0.50	5	0	101	90	110			
Bromide	2.547	mg/L	0.10	2.5	0	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.565	mg/L	0.20	3.5	0	102	90	110			
Phosphorus, Orthophosphate (As P)	5.003	mg/L	0.50	5	0	100	90	110			
Sulfate	10.17	mg/L	0.50	10	0	102	90	110			
Sample ID: LCS		*LCS*				Batch ID:	**R40089**	Analysis Date:	7/28/2010 10:02:47 AM		
Fluoride	0.5500	mg/L	0.10	0.5	0	110	90	110			
Chloride	5.162	mg/L	0.50	5	0	103	90	110			
Bromide	2.643	mg/L	0.10	2.5	0	106	90	110			
Nitrate (As N)+Nitrite (As N)	3.638	mg/L	0.20	3.5	0	104	90	110			
Phosphorus, Orthophosphate (As P)	5.077	mg/L	0.50	5	0	102	90	110			
Sulfate	10.47	mg/L	0.50	10	0	105	90	110			

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*					**Batch ID:** R40039		Analysis Date: 7/26/2010 9:32:51 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Ca[redacted]disulfide	ND	µg/L	10								
Ca[redacted]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-[redacted]ropyltoluene	ND	µg/L	1.0								

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*					Batch ID: **R40039**		Analysis Date:	7/26/2010 9:32:51 AM	
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b6		*MBLK*					Batch ID: **R40039**		Analysis Date:	7/26/2010 7:37:36 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b6		*MBLK*							Batch ID: **R40039**	Analysis Date:	7/26/2010 7:37:36 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[redacted]oropropene	ND	µg/L	1.0								
He[redacted]robutadiene	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								
Sa[redacted] ID: 100ng lcs		*LCS*							Batch ID: **R40039**	Analysis Date:	7/26/2010 10:25:19 AM

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R40039**	Analysis Date:	7/26/2010 10:25:19 AM		
Benzene	19.06	µg/L	1.0	20	0	95.3	82.4	116			
Toluene	22.82	µg/L	1.0	20	0	114	89.5	123			
Chlorobenzene	21.00	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	21.41	µg/L	1.0	20	0	107	90.3	138			
Trichloroethene (TCE)	17.98	µg/L	1.0	20	0	89.9	64	129			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23145		*MBLK*					Batch ID: **23145**		Analysis Date: 7/28/2010 12:10:57 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
But[redacted]zyl phthalate	ND	µg/L	10								
Car[redacted]e	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								
He[redacted]lorobenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23145		*MBLK*				Batch ID:	**23145**	Analysis Date:	7/28/2010 12:10:57 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	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-23145		*LCS*				Batch ID:	**23145**	Analysis Date:	7/28/2010 12:41:12 PM		
Acenaphthene	55.44	µg/L	10	100	0	55.4	29.3	113			
4-Chloro-3-methylphenol	145.2	µg/L	10	200	0	72.6	23.3	123			
2-Chlorophenol	107.1	µg/L	10	200	0	53.5	23.9	112			
1,4-Dichlorobenzene	48.70	µg/L	10	100	0	48.7	16.5	106			
2,4-Dinitrotoluene	55.86	µg/L	10	100	0	55.9	27.7	126			
N-Nitrosodi-n-propylamine	55.72	µg/L	10	100	0	55.7	25.9	113			
4-Nitrophenol	42.36	µg/L	10	200	0	21.2	13.2	76.7			
Pentachlorophenol	62.22	µg/L	20	200	0	31.1	22.4	121			
Phenol	75.82	µg/L	10	200	0	37.9	15.3	68.3			
Pyrene	69.98	µg/L	10	100	0	70.0	23.5	119			
1,2,4-Trichlorobenzene	55.30	µg/L	10	100	0	55.3	23	107			
Sample ID: lcsd-23145		*LCSD*				Batch ID:	**23145**	Analysis Date:	7/28/2010 1:11:30 PM		
Acenaphthene	67.22	µg/L	10	100	0	67.2	29.3	113	19.2	30.5	
4-Chloro-3-methylphenol	165.0	µg/L	10	200	0	82.5	23.3	123	12.8	28.6	
2-Chlorophenol	122.1	µg/L	10	200	0	61.1	23.9	112	13.1	107	
1,4-Dichlorobenzene	55.38	µg/L	10	100	0	55.4	16.5	106	12.8	62.1	
2,4-Dinitrotoluene	70.84	µg/L	10	100	0	70.8	27.7	126	23.6	14.7	R

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23145		*LCSD*				Batch ID:	**23145**	Analysis Date:		7/28/2010 1:11:30 PM	
N-Nitrosodi-n-propylamine	63.60	µg/L	10	100	0	63.6	25.9	113	13.2	30.3	
4-Nitrophenol	52.54	µg/L	10	200	0	26.3	13.2	76.7	21.5	36.3	
Pentachlorophenol	69.78	µg/L	20	200	0	34.9	22.4	121	11.5	49	
Phenol	86.12	µg/L	10	200	0	43.1	15.3	68.3	12.7	62.4	
Pyrene	83.48	µg/L	10	100	0	83.5	23.5	119	17.6	16.3	R
1,2,4-Trichlorobenzene	55.46	µg/L	10	100	0	55.5	23	107	0.289	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-23244		*MBLK*				Batch ID:	**23244**	Analysis Date:		8/3/2010 5:51:32 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23244		*LCS*				Batch ID:	**23244**	Analysis Date:		8/3/2010 5:53:19 PM	
Mercury	0.005037	mg/L	0.00020	0.005	3E-05	100	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID: **R40153**		Analysis Date:	8/2/2010 10:47:27 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID: **R40153**		Analysis Date:	8/2/2010 11:08:27 AM		
Arsenic	0.5157	mg/L	0.020	0.5	0	103	80	120			
Barium	0.4815	mg/L	0.020	0.5	0	96.3	80	120			
Cadmium	0.4925	mg/L	0.0020	0.5	0	98.5	80	120			
Calcium	54.46	mg/L	1.0	50.5	0	108	80	120			
Chromium	0.4882	mg/L	0.0060	0.5	0	97.6	80	120			
Copper	0.5015	mg/L	0.0060	0.5	0	100	80	120			
Iron	0.4955	mg/L	0.020	0.5	0	99.1	80	120			
Lead	0.4927	mg/L	0.0050	0.5	0	98.5	80	120			
Magnesium	53.90	mg/L	1.0	50.5	0	107	80	120			
Manganese	0.4768	mg/L	0.0020	0.5	0	95.4	80	120			
Potassium	55.96	mg/L	1.0	55	0	102	80	120			
Selenium	0.4820	mg/L	0.050	0.5	0	96.4	80	120			
Silver	0.4936	mg/L	0.0050	0.5	0	98.7	80	120			
Sodium	56.82	mg/L	1.0	50.5	0	113	80	120			
Zinc	0.4950	mg/L	0.050	0.5	0	99.0	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007794

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23167		*MBLK*				**Batch ID: 23167**		**Analysis Date:**	7/28/2010 9:34:59 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23167		*LCS*				**Batch ID: 23167**		**Analysis Date:**	7/28/2010 9:37:56 AM		
Arsenic	0.5549	mg/L	0.020	0.5	0	111	80	120			
Barium	0.5173	mg/L	0.020	0.5	0	103	80	120			
Cadmium	0.5313	mg/L	0.0020	0.5	0	106	80	120			
Chromium	0.5310	mg/L	0.0060	0.5	0	106	80	120			
Copper	0.5735	mg/L	0.0060	0.5	0	115	80	120			
Iron	0.5442	mg/L	0.050	0.5	0	109	80	120			
Lead	0.5263	mg/L	0.0050	0.5	0	105	80	120			
Manganese	0.5130	mg/L	0.0020	0.5	0.0001	103	80	120			
Selenium	0.5322	mg/L	0.050	0.5	0	106	80	120			
Silver	0.5318	mg/L	0.0050	0.5	0.0006	106	80	120			
Zinc	0.5118	mg/L	0.020	0.5	0	102	80	120			
Sample ID: LCS-23167		*LCS*				**Batch ID: 23167**		**Analysis Date:**	7/28/2010 9:41:04 AM		
Arsenic	0.5466	mg/L	0.020	0.5	0	109	80	120			
Barium	0.5162	mg/L	0.020	0.5	0	103	80	120			
Cadmium	0.5208	mg/L	0.0020	0.5	0	104	80	120			
Chromium	0.5297	mg/L	0.0060	0.5	0	106	80	120			
Copper	0.5689	mg/L	0.0060	0.5	0	114	80	120			
Iron	0.5344	mg/L	0.050	0.5	0	107	80	120			
Lead	0.5185	mg/L	0.0050	0.5	0	104	80	120			
Manganese	0.5118	mg/L	0.0020	0.5	0.0001	102	80	120			
Selenium	0.5353	mg/L	0.050	0.5	0	107	80	120			
Silver	0.5291	mg/L	0.0050	0.5	0.0006	106	80	120			
Zinc	0.5095	mg/L	0.020	0.5	0	102	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC Summary Report

Client: Hall Environmental
Project: 1007794

Report Date: 08/03/10
Work Order: B10072228

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_100802A	
Sample ID: QCS - 100607A,10042		Initial Calibration Verification Standard								08/02/10 11:08
Uranium		0.0197	mg/L	0.00030	99	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								08/02/10 11:12
Uranium		9.00E-06	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB								08/02/10 11:16
Uranium		6.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R151662
Sample ID: LRB		Method Blank				Run: ICPMS202-B_100802A				08/02/10 11:56
Uranium		ND	mg/L	2E-05						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_100802A				08/02/10 12:01
Uranium		0.0460	mg/L	0.00030	92	85	115			
Sample ID: B10072227-002ADIL		Serial Dilution				Run: ICPMS202-B_100802A				08/02/10 21:08
Uranium		0.00549	mg/L	0.0010		0	0			
Sample ID: B10072227-001AMS		Sample Matrix Spike				Run: ICPMS202-B_100802A				08/02/10 22:08
Uranium		0.0488	mg/L	0.0010	97	75	125			
Sample ID: B10072227-001AMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_100802A				08/02/10 22:12
Uranium		0.0483	mg/L	0.0010	97	75	125	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1007794

Report Date: 08/03/10
Work Order: B10072228

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_100730B	
Sample ID: QCS-100607A,100420		Initial Calibration Verification Standard							07/30/10 21:41	
Uranium		0.0190	mg/L	0.00030	95	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							07/31/10 10:46	
Uranium		0.000143	mg/L	0.00030						
Sample ID: ICSAB-ME091229B,09		Interference Check Sample AB							07/31/10 10:50	
Uranium		3.00E-05	mg/L	0.00030		0	0			
Method: SW6020									Batch: 47911	
Sample ID: MB-47911		Method Blank				Run: ICPMS203-B_100730B			07/31/10 11:22	
Uranium		5E-05	mg/L	4E-06						
Sample ID: B10072227-001BDIL		Serial Dilution				Run: ICPMS203-B_100730B			07/31/10 11:49	
Uranium		0.000153	mg/L	0.0010		0	0		10	N
Sample ID: LCS5-47911		Laboratory Control Sample				Run: ICPMS203-B_100730B			07/31/10 12:21	
Uranium		0.545	mg/L	0.0010	109	85	115			
Sample ID: B10072227-001BPDS1		Post Digestion/Distillation Spike				Run: ICPMS203-B_100730B			07/31/10 12:25	
Uranium		0.0474	mg/L	0.0010	95	75	125			
Sample ID: B10072227-001BMS5		Sample Matrix Spike				Run: ICPMS203-B_100730B			07/31/10 12:48	
Uranium		0.547	mg/L	0.0010	109	75	125			
Sample ID: B10072227-001BMSD5		Sample Matrix Spike Duplicate				Run: ICPMS203-B_100730B			07/31/10 12:52	
Uranium		0.550	mg/L	0.0010	110	75	125	0.6	20	

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **7/22/2010**

Work Order Number **1007794** Received by: **ARS**

Checklist completed by: _____ Signature 7/22/10 Date Sample ID labels checked by: _____ Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☑	N/A ☐	
Container/Temp Blank temperature?	-0.9°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 13

(<2) >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1 ml HNO3 to total metals bottle (1007794-1) for acceptable ph. 7/22

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: 2010 Annual

Project #: GWM-1, BW wells

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.9

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1002194	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss	GenChem		Air Bubbles (Y or N)
7/20/10	0953	H2O	GWM-1			1										X	X	X	X	X		
	1112	"	BW-1C			2										"	"	"	"	"		
	1153	"	BW-2B			3										"	"	"	"	"		
			Field Blank			4																
			Trip Blank			5																

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks:
7/20/10	0905			7/22/10	10:50	Gen Chem: Cations, Anions, pH, Spec Cond.
Date:	Time:	Relinquished by:	Received by:	Date	Time	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

BW-3B
-3C

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, August 06, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual

Order No.: 1007795

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 7/22/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

for Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	1007795	**Collection Date:**	7/20/2010 2:18:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007795-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	1.4	0.10		mg/L	1	7/22/2010 1:36:56 PM
Chloride	41	2.5		mg/L	5	7/24/2010 8:23:55 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	7/22/2010 1:36:56 PM
Bromide	0.12	0.10		mg/L	1	7/24/2010 8:06:31 AM
Nitrogen, Nitrate (As N)	0.12	0.10		mg/L	1	7/22/2010 1:36:56 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	7/22/2010 1:36:56 PM
Sulfate	380	5.0		mg/L	10	7/24/2010 8:41:19 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/26/2010 5:30:13 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	7/23/2010 4:37:42 PM
Barium	0.035	0.020		mg/L	1	7/23/2010 4:37:42 PM
Cadmium	ND	0.0020		mg/L	1	7/23/2010 4:37:42 PM
Calcium	3.8	1.0		mg/L	1	7/23/2010 4:37:42 PM
Chromium	ND	0.0060		mg/L	1	7/23/2010 4:37:42 PM
Copper	ND	0.0060		mg/L	1	7/23/2010 4:37:42 PM
Iron	0.073	0.020		mg/L	1	7/23/2010 4:37:42 PM
Lead	ND	0.0050		mg/L	1	7/23/2010 4:37:42 PM
Magnesium	ND	1.0		mg/L	1	7/23/2010 4:37:42 PM
Manganese	0.013	0.0020		mg/L	1	7/23/2010 4:37:42 PM
Potassium	ND	1.0		mg/L	1	7/23/2010 4:37:42 PM
Selenium	ND	0.050		mg/L	1	7/23/2010 4:37:42 PM
Silver	ND	0.0050		mg/L	1	7/23/2010 4:37:42 PM
Sodium	370	5.0		mg/L	5	7/23/2010 4:51:51 PM
Zinc	ND	0.050		mg/L	1	7/23/2010 4:37:42 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	7/29/2010 4:17:03 PM
Barium	0.042	0.020		mg/L	1	7/29/2010 4:17:03 PM
Cadmium	ND	0.0020		mg/L	1	7/29/2010 4:17:03 PM
Chromium	0.0068	0.0060		mg/L	1	7/29/2010 4:17:03 PM
Copper	ND	0.0060		mg/L	1	7/29/2010 4:17:03 PM
Iron	0.83	0.050		mg/L	1	7/29/2010 4:17:03 PM
Lead	ND	0.0050		mg/L	1	7/29/2010 4:17:03 PM
Manganese	0.021	0.0020		mg/L	1	7/29/2010 4:17:03 PM
Selenium	ND	0.050		mg/L	1	7/29/2010 4:17:03 PM
Silver	ND	0.0050		mg/L	1	7/29/2010 4:17:03 PM
Zinc	ND	0.020		mg/L	1	7/29/2010 4:17:03 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1007795
Project: 2010 Annual
Lab ID: 1007795-01

Client Sample ID: BW-3C
Collection Date: 7/20/2010 2:18:00 PM
Date Received: 7/22/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Acenaphthene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Acenaphthylene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Aniline	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Anthracene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Azobenzene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Benz(a)anthracene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Benzo(a)pyrene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Benzoic acid	ND	20		µg/L	1	7/28/2010 2:42:53 PM
Benzyl alcohol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/28/2010 2:42:53 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Butyl benzyl phthalate	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Carbazole	ND	10		µg/L	1	7/28/2010 2:42:53 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
4-Chloroaniline	ND	10		µg/L	1	7/28/2010 2:42:53 PM
2-Chloronaphthalene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
2-Chlorophenol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Chrysene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Di-n-butyl phthalate	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Di-n-octyl phthalate	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Dibenzofuran	ND	10		µg/L	1	7/28/2010 2:42:53 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Diethyl phthalate	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Dimethyl phthalate	ND	10		µg/L	1	7/28/2010 2:42:53 PM
2,4-Dichlorophenol	ND	20		µg/L	1	7/28/2010 2:42:53 PM
2,4-Dimethylphenol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/28/2010 2:42:53 PM
2,4-Dinitrophenol	ND	20		µg/L	1	7/28/2010 2:42:53 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 2:42:53 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	1007795	**Collection Date:**	7/20/2010 2:18:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007795-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Fluoranthene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Fluorene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Hexachlorobenzene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Hexachlorobutadiene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Hexachloroethane	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Isophorone	ND	10		µg/L	1	7/28/2010 2:42:53 PM
2-Methylnaphthalene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
2-Methylphenol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
3+4-Methylphenol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/28/2010 2:42:53 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	7/28/2010 2:42:53 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Naphthalene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
2-Nitroaniline	ND	10		µg/L	1	7/28/2010 2:42:53 PM
3-Nitroaniline	ND	10		µg/L	1	7/28/2010 2:42:53 PM
4-Nitroaniline	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Nitrobenzene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
2-Nitrophenol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
4-Nitrophenol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Pentachlorophenol	ND	20		µg/L	1	7/28/2010 2:42:53 PM
Phenanthrene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Phenol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Pyrene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Pyridine	ND	10		µg/L	1	7/28/2010 2:42:53 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/28/2010 2:42:53 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/28/2010 2:42:53 PM
Surr: 2,4,6-Tribromophenol	83.2	16.6-150		%REC	1	7/28/2010 2:42:53 PM
Surr: 2-Fluorobiphenyl	73.0	19.6-134		%REC	1	7/28/2010 2:42:53 PM
Surr: 2-Fluorophenol	63.4	9.54-113		%REC	1	7/28/2010 2:42:53 PM
Surr: 4-Terphenyl-d14	81.8	22.7-145		%REC	1	7/28/2010 2:42:53 PM
Surr: Nitrobenzene-d5	70.3	14.6-134		%REC	1	7/28/2010 2:42:53 PM
Surr: Phenol-d5	45.9	10.7-80.3		%REC	1	7/28/2010 2:42:53 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	1007795	**Collection Date:**	7/20/2010 2:18:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007795-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 1:29:20 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 1:29:20 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 1:29:20 PM
Acetone	ND	10		µg/L	1	7/26/2010 1:29:20 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 1:29:20 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 1:29:20 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 1:29:20 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 1:29:20 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 1:29:20 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 1:29:20 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 1:29:20 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	1007795	**Collection Date:**	7/20/2010 2:18:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007795-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 1:29:20 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 1:29:20 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 1:29:20 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 1:29:20 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 1:29:20 PM
Surr: 1,2-Dichloroethane-d4	94.9	54.6-141		%REC	1	7/26/2010 1:29:20 PM
Surr: 4-Bromofluorobenzene	102	60.1-133		%REC	1	7/26/2010 1:29:20 PM
Surr: Dibromofluoromethane	104	78.5-130		%REC	1	7/26/2010 1:29:20 PM
Surr: Toluene-d8	79.7	79.5-126		%REC	1	7/26/2010 1:29:20 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1500	0.010		µmhos/cm	1	7/27/2010 7:34:00 PM
SM4500-H+B: PH						Analyst: **NSB**
pH	8.57	0.1	H	pH units	1	7/27/2010 7:34:00 PM

Qualifiers:

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- E Estimated value
- H Holding times for preparation or analysis exceeded
- J *Analyte detected below quantitation limits*
- MCL *Maximum Contaminant Level*
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	1007795	**Collection Date:**	7/20/2010 2:42:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007795-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Fluoride	1.4	0.10		mg/L	1	7/22/2010 1:54:20 PM
Chloride	33	2.5		mg/L	5	7/24/2010 7:31:41 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	7/22/2010 1:54:20 PM
Bromide	0.42	0.10		mg/L	1	7/24/2010 7:14:17 AM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	7/22/2010 1:54:20 PM
Phosphorus, Orthophosphate (As P)	1.1	0.50		mg/L	1	7/22/2010 1:54:20 PM
Sulfate	54	2.5		mg/L	5	7/24/2010 7:31:41 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/26/2010 5:35:46 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	7/23/2010 4:54:44 PM
Barium	0.076	0.020		mg/L	1	7/23/2010 4:54:44 PM
Cadmium	ND	0.0020		mg/L	1	7/23/2010 4:54:44 PM
Calcium	8.5	1.0		mg/L	1	7/23/2010 4:54:44 PM
Chromium	ND	0.0060		mg/L	1	7/23/2010 4:54:44 PM
Copper	ND	0.0060		mg/L	1	7/23/2010 4:54:44 PM
Iron	0.21	0.020		mg/L	1	7/23/2010 4:54:44 PM
Lead	ND	0.0050		mg/L	1	7/23/2010 4:54:44 PM
Magnesium	2.6	1.0		mg/L	1	7/23/2010 4:54:44 PM
Manganese	0.083	0.0020		mg/L	1	7/23/2010 4:54:44 PM
Potassium	ND	1.0		mg/L	1	7/23/2010 4:54:44 PM
Selenium	ND	0.050		mg/L	1	7/23/2010 4:54:44 PM
Silver	ND	0.0050		mg/L	1	7/23/2010 4:54:44 PM
Sodium	390	5.0		mg/L	5	7/23/2010 5:00:22 PM
Zinc	0.054	0.050		mg/L	1	7/23/2010 4:54:44 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Arsenic	ND	0.020		mg/L	1	7/29/2010 4:36:28 PM
Barium	0.079	0.020		mg/L	1	7/29/2010 4:36:28 PM
Cadmium	ND	0.0020		mg/L	1	7/29/2010 4:36:28 PM
Chromium	ND	0.0060		mg/L	1	7/29/2010 4:36:28 PM
Copper	ND	0.0060		mg/L	1	7/29/2010 4:36:28 PM
Iron	0.45	0.050		mg/L	1	7/29/2010 4:36:28 PM
Lead	ND	0.0050		mg/L	1	7/29/2010 4:36:28 PM
Manganese	0.074	0.0020		mg/L	1	7/29/2010 4:36:28 PM
Selenium	ND	0.050		mg/L	1	7/29/2010 4:36:28 PM
Silver	ND	0.0050		mg/L	1	7/29/2010 4:36:28 PM
Zinc	ND	0.020		mg/L	1	7/29/2010 4:36:28 PM

Qualifiers:

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- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	1007795	**Collection Date:**	7/20/2010 2:42:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007795-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Acenaphthylene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Aniline	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Anthracene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Azobenzene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Benz(a)anthracene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Benzo(a)pyrene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Benzoic acid	ND	20		µg/L	1	7/28/2010 3:13:13 PM
Benzyl alcohol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/28/2010 3:13:13 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Butyl benzyl phthalate	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Carbazole	ND	10		µg/L	1	7/28/2010 3:13:13 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
4-Chloroaniline	ND	10		µg/L	1	7/28/2010 3:13:13 PM
2-Chloronaphthalene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
2-Chlorophenol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Chrysene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Di-n-butyl phthalate	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Di-n-octyl phthalate	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Dibenzofuran	ND	10		µg/L	1	7/28/2010 3:13:13 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Diethyl phthalate	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Dimethyl phthalate	ND	10		µg/L	1	7/28/2010 3:13:13 PM
2,4-Dichlorophenol	ND	20		µg/L	1	7/28/2010 3:13:13 PM
2,4-Dimethylphenol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/28/2010 3:13:13 PM
2,4-Dinitrophenol	ND	20		µg/L	1	7/28/2010 3:13:13 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	7/28/2010 3:13:13 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
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- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1007795
Project: 2010 Annual
Lab ID: 1007795-02

Client Sample ID: BW-3B
Collection Date: 7/20/2010 2:42:00 PM
Date Received: 7/22/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Fluoranthene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Fluorene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Hexachlorobenzene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Hexachlorobutadiene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Hexachloroethane	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Isophorone	ND	10		µg/L	1	7/28/2010 3:13:13 PM
2-Methylnaphthalene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
2-Methylphenol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
3+4-Methylphenol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/28/2010 3:13:13 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	7/28/2010 3:13:13 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Naphthalene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
2-Nitroaniline	ND	10		µg/L	1	7/28/2010 3:13:13 PM
3-Nitroaniline	ND	10		µg/L	1	7/28/2010 3:13:13 PM
4-Nitroaniline	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Nitrobenzene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
2-Nitrophenol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
4-Nitrophenol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Pentachlorophenol	ND	20		µg/L	1	7/28/2010 3:13:13 PM
Phenanthrene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Phenol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Pyrene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Pyridine	ND	10		µg/L	1	7/28/2010 3:13:13 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/28/2010 3:13:13 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/28/2010 3:13:13 PM
Surr: 2,4,6-Tribromophenol	67.5	16.6-150		%REC	1	7/28/2010 3:13:13 PM
Surr: 2-Fluorobiphenyl	66.3	19.6-134		%REC	1	7/28/2010 3:13:13 PM
Surr: 2-Fluorophenol	55.8	9.54-113		%REC	1	7/28/2010 3:13:13 PM
Surr: 4-Terphenyl-d14	77.6	22.7-145		%REC	1	7/28/2010 3:13:13 PM
Surr: Nitrobenzene-d5	66.2	14.6-134		%REC	1	7/28/2010 3:13:13 PM
Surr: Phenol-d5	41.9	10.7-80.3		%REC	1	7/28/2010 3:13:13 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
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- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	1007795	**Collection Date:**	7/20/2010 2:42:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007795-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 1:55:32 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 1:55:32 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 1:55:32 PM
Acetone	ND	10		µg/L	1	7/26/2010 1:55:32 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 1:55:32 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 1:55:32 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 1:55:32 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 1:55:32 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 1:55:32 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 1:55:32 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 1:55:32 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Date: *06-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	1007795	**Collection Date:**	7/20/2010 2:42:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007795-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 1:55:32 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 1:55:32 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 1:55:32 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 1:55:32 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 1:55:32 PM
Surr: 1,2-Dichloroethane-d4	109	54.6-141		%REC	1	7/26/2010 1:55:32 PM
Surr: 4-Bromofluorobenzene	103	60.1-133		%REC	1	7/26/2010 1:55:32 PM
Surr: Dibromofluoromethane	107	78.5-130		%REC	1	7/26/2010 1:55:32 PM
Surr: Toluene-d8	96.0	79.5-126		%REC	1	7/26/2010 1:55:32 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: NSB
Specific Conductance	1500	0.010		µmhos/cm	1	7/27/2010 7:54:00 PM
SM4500-H+B: PH						Analyst: NSB
pH	8.37	0.1	H	pH units	1	7/27/2010 7:54:00 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007795
Lab ID: B10072229-001
Client Sample ID 1007795-01E & -01G BW-3C

Report Date: 08/03/10
Collection Date: 07/20/10 14:18
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	08/02/10 21:40 / tao
METALS, TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	07/31/10 12:12 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007795
Lab ID: B10072229-002
Client Sample ID 1007795-02E &-02G BW-3B

Report Date: 08/03/10
Collection Date: 07/20/10 14:42
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, DISSOLVED							
Uranium	ND	mg/L		0.001		SW6020	08/02/10 21:44 / tao
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	07/31/10 12:16 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R39990**	Analysis Date:	7/22/2010 10:08:01 AM		
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS		*LCS*				Batch ID:	**R39990**	Analysis Date:	7/22/2010 10:25:25 AM		
Fluoride	0.5387	mg/L	0.10	0.5	0	108	90	110			
Chloride	4.996	mg/L	0.50	5	0	99.9	90	110			
Nitrogen, Nitrite (As N)	1.018	mg/L	0.10	1	0	102	90	110			
Nitrogen, Nitrate (As N)	2.520	mg/L	0.10	2.5	0	101	90	110			
Phosphorus, Orthophosphate (As P)	5.014	mg/L	0.50	5	0	100	90	110			
Sulfate	10.30	mg/L	0.50	10	0	103	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*				**Batch ID: R40021**		**Analysis Date: 7/23/2010 9:15:09 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID: R40021**		**Analysis Date: 7/23/2010 9:15:09 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: b7		*MBLK*					**Batch ID: R40021**		**Analysis Date: 7/23/2010 10:13:53 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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*					**Batch ID: R40021**		**Analysis Date: 7/23/2010 10:13:53 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-D[illegible]propropene	ND	µg/L	1.0								
Hexa[illegible]robutadiene	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								
Sa[illegible] ID: b2		*MBLK*					**Batch ID: R40039**		**Analysis Date: 7/26/2010 9:32:51 AM**		

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*				Batch ID: **R40039**		Analysis Date:	7/26/2010 9:32:51 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*				Batch ID: **R40039**		Analysis Date:	7/26/2010 9:32:51 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trich[illegible]uoromethane	ND	µg/L	1.0								
1,2,3-[illegible]hloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b6		*MBLK*				Batch ID: **R40039**		Analysis Date:	7/26/2010 7:37:36 PM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chl[illegible]m	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b6		*MBLK*					Batch ID: **R40039**		Analysis Date:	7/26/2010 7:37:36 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: **R40021**		Analysis Date:	7/23/2010 12:28:12 PM	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R40021**	Analysis Date:	7/23/2010 12:28:12 PM		
Benzene	18.93	µg/L	1.0	20	0	94.7	82.4	116			
Toluene	23.43	µg/L	1.0	20	0	117	89.5	123			
Chlorobenzene	20.44	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	20.67	µg/L	1.0	20	0	103	90.3	138			
Trichloroethene (TCE)	17.26	µg/L	1.0	20	0	86.3	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R40039**	Analysis Date:	7/26/2010 10:25:19 AM		
Benzene	19.06	µg/L	1.0	20	0	95.3	82.4	116			
Toluene	22.82	µg/L	1.0	20	0	114	89.5	123			
Chlorobenzene	21.00	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	21.41	µg/L	1.0	20	0	107	90.3	138			
Trichloroethene (TCE)	17.98	µg/L	1.0	20	0	89.9	64	129			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23145		*MBLK*					Batch ID: **23145**		Analysis Date: 7/28/2010 12:10:57 PM		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23145		*MBLK*					**Batch ID: 23145**		**Analysis Date:**	7/28/2010 12:10:57 PM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	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-23145		*LCS*					**Batch ID: 23145**		**Analysis Date:**	7/28/2010 12:41:12 PM	
Acenaphthene	55.44	µg/L	10	100	0	55.4	29.3	113			
4-Chloro-3-methylphenol	145.2	µg/L	10	200	0	72.6	23.3	123			
2-Chlorophenol	107.1	µg/L	10	200	0	53.5	23.9	112			
1,4-Dichlorobenzene	48.70	µg/L	10	100	0	48.7	16.5	106			
2,4-Dinitrotoluene	55.86	µg/L	10	100	0	55.9	27.7	126			
N-Nitrosodi-n-propylamine	55.72	µg/L	10	100	0	55.7	25.9	113			
4-Nitrophenol	42.36	µg/L	10	200	0	21.2	13.2	76.7			
Pentachlorophenol	62.22	µg/L	20	200	0	31.1	22.4	121			
Phenol	75.82	µg/L	10	200	0	37.9	15.3	68.3			
Pyrene	69.98	µg/L	10	100	0	70.0	23.5	119			
1,2,4-Trichlorobenzene	55.30	µg/L	10	100	0	55.3	23	107			
Sample ID: lcsd-23145		*LCSD*					**Batch ID: 23145**		**Analysis Date:**	7/28/2010 1:11:30 PM	
Acenaphthene	67.22	µg/L	10	100	0	67.2	29.3	113	19.2	30.5	
4-Chloro-3-methylphenol	165.0	µg/L	10	200	0	82.5	23.3	123	12.8	28.6	
2-Chlorophenol	122.1	µg/L	10	200	0	61.1	23.9	112	13.1	107	
1,4-Dichlorobenzene	55.38	µg/L	10	100	0	55.4	16.5	106	12.8	62.1	
2,4-Dinitrotoluene	70.84	µg/L	10	100	0	70.8	27.7	126	23.6	14.7	R

Qualifiers:

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ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23145		*LCSD*				**Batch ID: 23145**		**Analysis Date:**		**7/28/2010 1:11:30 PM**	
N-Nitrosodi-n-propylamine	63.60	µg/L	10	100	0	63.6	25.9	113	13.2	30.3	
4-Nitrophenol	52.54	µg/L	10	200	0	26.3	13.2	76.7	21.5	36.3	
Pentachlorophenol	69.78	µg/L	20	200	0	34.9	22.4	121	11.5	49	
Phenol	86.12	µg/L	10	200	0	43.1	15.3	68.3	12.7	52.4	
Pyrene	83.48	µg/L	10	100	0	83.5	23.5	119	17.6	16.3	R
1,2,4-Trichlorobenzene	55.46	µg/L	10	100	0	55.5	23	107	0.289	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-23144		*MBLK*				**Batch ID: 23144**		**Analysis Date:**		**7/26/2010 5:21:09 PM**	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23144		*LCS*				**Batch ID: 23144**		**Analysis Date:**		**7/26/2010 5:22:57 PM**	
Mercury	0.005269	mg/L	0.00020	0.005	0	105	80	120			
Sample ID: LCS-23144		*LCS*				**Batch ID: 23144**		**Analysis Date:**		**7/26/2010 5:24:46 PM**	
Mercury	0.005365	mg/L	0.00020	0.005	0	107	80	120	1.79	0	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	**R40015**	Analysis Date:	7/23/2010 2:45:52 PM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	**R40015**	Analysis Date:	7/23/2010 2:48:39 PM		
Arsenic	0.5176	mg/L	0.020	0.5	0	104	80	120			
Barium	0.4897	mg/L	0.020	0.5	0	97.9	80	120			
Cadmium	0.5026	mg/L	0.0020	0.5	0	101	80	120			
Chromium	0.5019	mg/L	0.0060	0.5	0	100	80	120			
Copper	0.5172	mg/L	0.0060	0.5	0	103	80	120			
Iron	0.5074	mg/L	0.020	0.5	0	101	80	120			
Lead	0.4925	mg/L	0.0050	0.5	0	98.5	80	120			
Manganese	0.4882	mg/L	0.0020	0.5	0	97.6	80	120			
Selenium	0.5008	mg/L	0.050	0.5	0	100	80	120			
Silver	0.5234	mg/L	0.0050	0.5	0	105	80	120			
Zinc	0.4979	mg/L	0.050	0.5	0	99.6	80	120			
Sample ID: LCS		*LCS*				Batch ID:	**R40015**	Analysis Date:	7/23/2010 2:53:22 PM		
Calcium	51.93	mg/L	1.0	50.5	0	103	80	120			
Magnesium	50.86	mg/L	1.0	50.5	0	101	80	120			
Potassium	49.05	mg/L	1.0	55	0	89.2	80	120			
Sodium	50.93	mg/L	1.0	50.5	0	101	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007795

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23130		*MBLK*				Batch ID:	**23130**	Analysis Date:		7/29/2010 3:03:07 PM	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23130		*LCS*				Batch ID:	**23130**	Analysis Date:		7/29/2010 3:15:05 PM	
Arsenic	0.4835	mg/L	0.020	0.5	0	96.7	80	120			
Barium	0.4589	mg/L	0.020	0.5	0	91.8	80	120			
Cadmium	0.4703	mg/L	0.0020	0.5	0	94.1	80	120			
Chromium	0.4661	mg/L	0.0060	0.5	0	93.2	80	120			
Copper	0.5217	mg/L	0.0060	0.5	0.0023	104	80	120			
Iron	0.4835	mg/L	0.050	0.5	0	96.7	80	120			
Lead	0.4658	mg/L	0.0050	0.5	0	93.2	80	120			
Manganese	0.4593	mg/L	0.0020	0.5	0.0002	91.8	80	120			
Selenium	0.4724	mg/L	0.050	0.5	0	94.5	80	120			
Silver	0.4872	mg/L	0.0050	0.5	0	97.4	80	120			
Zinc	0.4369	mg/L	0.020	0.5	0	87.4	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC Summary Report

Client: Hall Environmental
Project: 1007795

Report Date: 08/03/10
Work Order: B10072229

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_100802A	
Sample ID: QCS - 100607A,10042		Initial Calibration Verification Standard								08/02/10 11:08
Uranium		0.0197	mg/L	0.00030	99	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								08/02/10 11:12
Uranium		9.00E-06	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB								08/02/10 11:16
Uranium		6.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R151662
Sample ID: LRB		Method Blank				Run: ICPMS202-B_100802A				08/02/10 11:56
Uranium		ND	mg/L	2E-05						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_100802A				08/02/10 12:01
Uranium		0.0460	mg/L	0.00030	92	85	115			
Sample ID: B10072227-002ADIL		Serial Dilution				Run: ICPMS202-B_100802A				08/02/10 21:08
Uranium		0.00549	mg/L	0.0010		0	0			
Sample ID: B10072227-001AMS		Sample Matrix Spike				Run: ICPMS202-B_100802A				08/02/10 22:08
Uranium		0.0488	mg/L	0.0010	97	75	125			
Sample ID: B10072227-001AMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_100802A				08/02/10 22:12
Uranium		0.0483	mg/L	0.0010	97	75	125	0.9	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1007795

Report Date: 08/03/10
Work Order: B10072229

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS203-B_100730B	
Sample ID: QCS-100607A,100420		Initial Calibration Verification Standard							07/30/10 21:41	
Uranium		0.0190	mg/L	0.00030	95	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							07/31/10 10:46	
Uranium		0.000143	mg/L	0.00030						
Sample ID: ICSAB-ME091229B,09		Interference Check Sample AB							07/31/10 10:50	
Uranium		3.00E-05	mg/L	0.00030		0	0			
Method: SW6020									Batch: 47911	
Sample ID: MB-47911		Method Blank				Run: ICPMS203-B_100730B			07/31/10 11:22	
Uranium		5E-05	mg/L	4E-06						
Sample ID: B10072227-001BDIL		Serial Dilution				Run: ICPMS203-B_100730B			07/31/10 11:49	
Uranium		0.000153	mg/L	0.0010		0	0		10	N
Sample ID: LCS5-47911		Laboratory Control Sample				Run: ICPMS203-B_100730B			07/31/10 12:21	
Uranium		0.545	mg/L	0.0010	109	85	115			
Sample ID: B10072227-001BPDS1		Post Digestion/Distillation Spike				Run: ICPMS203-B_100730B			07/31/10 12:25	
Uranium		0.0474	mg/L	0.0010	95	75	125			
Sample ID: B10072227-001BMS5		Sample Matrix Spike				Run: ICPMS203-B_100730B			07/31/10 12:48	
Uranium		0.547	mg/L	0.0010	109	75	125			
Sample ID: B10072227-001BMSD5		Sample Matrix Spike Duplicate				Run: ICPMS203-B_100730B			07/31/10 12:52	
Uranium		0.550	mg/L	0.0010	110	75	125	0.6	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **7/22/2010**

Work Order Number **1007795** Received by: **ARS**

Checklist completed by: _____ Date: 7/22/10 Sample ID labels checked by: _____ Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑ 7/22	No ☑	N/A ☐	
Container/Temp Blank temperature?	0.6°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 8

(<2 >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added .4ml HNO3 to diss metals bottles (1007795-2) for acceptable ph. K 7/22

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505-722-3833

email or Fax#: 505-722-0210

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: 2010 Annual

Project #: BW 3C, 3B

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☑ Yes ☐ No

Sample Temperature: 0.6°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. 100745	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA) + MTBE	8270 (Semi-VOA)	6010C Metals - Total	6010C Metals - Diss	Gen Chem		Air Bubbles (Y or N)
7/20/10	1418	H_2O	BW-3C			1										X	X	X	X	X		
7/20/10	1442	1	BW-3B			2																

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/20/10	910				
Date:	Time:	Relinquished by:	Received by:	Date	Time
				7/22/10	10:50

Remarks: Gen Chem: Cations, Anions pH, Spec Cond.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

EP-2 Inlet

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, August 02, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual

Order No.: 1007788

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 7/22/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

tblnt 6.9.2

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP2-IN
Lab Order:	1007788	**Collection Date:**	7/21/2010 3:10:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007788-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	21	3.0		mg/L	1	7/26/2010 7:36:06 PM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	7/26/2010 7:36:06 PM
Surr: DNOP	139	86.9-151		%REC	1	7/26/2010 7:36:06 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.83	0.25		mg/L	5	7/27/2010 3:43:35 PM
Surr: BFB	138	65.7-118	S	%REC	5	7/27/2010 3:43:35 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Toluene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Ethylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Naphthalene	ND	10		µg/L	5	7/29/2010 10:14:12 AM
1-Methylnaphthalene	ND	20		µg/L	5	7/29/2010 10:14:12 AM
2-Methylnaphthalene	ND	20		µg/L	5	7/29/2010 10:14:12 AM
Acetone	490	50		µg/L	5	7/29/2010 10:14:12 AM
Bromobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Bromodichloromethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Bromoform	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Bromomethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
2-Butanone	ND	50		µg/L	5	7/29/2010 10:14:12 AM
Carbon disulfide	ND	50		µg/L	5	7/29/2010 10:14:12 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Chlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Chloroethane	ND	10		µg/L	5	7/29/2010 10:14:12 AM
Chloroform	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Chloromethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
2-Chlorotoluene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
4-Chlorotoluene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
cis-1,2-DCE	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	7/29/2010 10:14:12 AM
Dibromochloromethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Dibromomethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP2-IN
Lab Order:	1007788	**Collection Date:**	7/21/2010 3:10:00 PM
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007788-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,4-Dichlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
2,2-Dichloropropane	ND	10		µg/L	5	7/29/2010 10:14:12 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
2-Hexanone	ND	50		µg/L	5	7/29/2010 10:14:12 AM
Isopropylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	7/29/2010 10:14:12 AM
Methylene Chloride	ND	15		µg/L	5	7/29/2010 10:14:12 AM
n-Butylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
n-Propylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
sec-Butylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Styrene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
tert-Butylbenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	7/29/2010 10:14:12 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
trans-1,2-DCE	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	7/29/2010 10:14:12 AM
Vinyl chloride	ND	5.0		µg/L	5	7/29/2010 10:14:12 AM
Xylenes, Total	ND	7.5		µg/L	5	7/29/2010 10:14:12 AM
Surr: 1,2-Dichloroethane-d4	105	54.6-141		%REC	5	7/29/2010 10:14:12 AM
Surr: 4-Bromofluorobenzene	127	60.1-133		%REC	100	7/28/2010 5:48:19 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	5	7/29/2010 10:14:12 AM
Surr: Toluene-d8	107	79.5-126		%REC	5	7/29/2010 10:14:12 AM
SM2540C MOD: TOTAL DISSOLVED SOLIDS						Analyst: KS
Total Dissolved Solids	4120	200		mg/L	1	7/25/2010 4:17:00 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007788	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007788-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Toluene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Ethylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Naphthalene	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 6:15:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/28/2010 6:15:47 PM
Acetone	ND	10		µg/L	1	7/28/2010 6:15:47 PM
Bromobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Bromoform	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Bromomethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
2-Butanone	ND	10		µg/L	1	7/28/2010 6:15:47 PM
Carbon disulfide	ND	10		µg/L	1	7/28/2010 6:15:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Chlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Chloroethane	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
Chloroform	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Chloromethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Dibromomethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007788	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/22/2010
Lab ID:	1007788-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/28/2010 6:15:47 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/28/2010 6:15:47 PM
Methylene Chloride	ND	3.0		µg/L	1	7/28/2010 6:15:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Styrene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/28/2010 6:15:47 PM
Vinyl chloride	ND	1.0		µg/L	1	7/28/2010 6:15:47 PM
Xylenes, Total	ND	1.5		µg/L	1	7/28/2010 6:15:47 PM
Surr: 1,2-Dichloroethane-d4	104	54.6-141		%REC	1	7/28/2010 6:15:47 PM
Surr: 4-Bromofluorobenzene	117	60.1-133		%REC	1	7/28/2010 6:15:47 PM
Surr: Dibromofluoromethane	101	78.5-130		%REC	1	7/28/2010 6:15:47 PM
Surr: Toluene-d8	108	79.5-126		%REC	1	7/28/2010 6:15:47 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1007788
Lab ID: B10072198-001
Client Sample ID 1007788-01C &-01D EP2-IN

Report Date: 07/30/10
Collection Date: 07/21/10 15:10
DateReceived: 07/23/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
AGGREGATE ORGANICS							
Oxygen Demand, Biochemical (BOD)	210	mg/L		2		A5210 B	07/23/10 12:48 / brh
Oxygen Demand, Chemical (COD)	399	mg/L	D	20		E410.4	07/27/10 11:15 / bls

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1007788

Report Date: 07/30/10
Work Order: B10072198

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A5210 B									Batch: 100723_1_BOD5-W	
Sample ID: GGA1_100723	Laboratory Control Sample					Run: DO_METER_100723A			07/23/10 14:29	
Oxygen Demand, Biochemical (BOD)		200	mg/L	2.0	102	85	115			
Sample ID: B10072086-001ADUP	Sample Duplicate					Run: DO_METER_100723A			07/23/10 14:35	
Oxygen Demand, Biochemical (BOD)		270	mg/L	2.0				6.6	10	
Sample ID: MBLK1_100723	Method Blank					Run: DO_METER_100723A			07/23/10 14:55	
Oxygen Demand, Biochemical (BOD)		0.1	mg/L							

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1007788

Report Date: 07/30/10
Work Order: B10072198

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E410.4										Batch: R151394
Sample ID: MB-R151394		Method Blank				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		ND	mg/L	5						
Sample ID: LCS-R151394		Laboratory Control Sample				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		84.7	mg/L	5.0	102	90	110			
Sample ID: B10071293-001CMS		Sample Matrix Spike				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		54.3	mg/L	5.0	100	90	110			
Sample ID: B10071293-001CMSD		Sample Matrix Spike Duplicate				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		55.4	mg/L	5.0	104	90	110	2	10	
Sample ID: B10072233-001AMS		Sample Matrix Spike				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		46.2	mg/L	5.0	99	90	110			
Sample ID: B10072233-001AMSD		Sample Matrix Spike Duplicate				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		45.3	mg/L	5.0	95	90	110	2	10	
Sample ID: LFB		Laboratory Fortified Blank				Run: SPEC_100727B				07/27/10 11:15
Oxygen Demand, Chemical (COD)		26.1	mg/L	5.0	107	90	110			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007788

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23163		*MBLK*				Batch ID:	**23163**	Analysis Date:		7/26/2010 5:20:41 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23163		*LCS*				Batch ID:	**23163**	Analysis Date:		7/26/2010 5:54:32 PM	
Diesel Range Organics (DRO)	5.828	mg/L	1.0	5	0	117	74	157			
Sample ID: LCSD-23163		*LCSD*				Batch ID:	**23163**	Analysis Date:		7/26/2010 6:28:24 PM	
Diesel Range Organics (DRO)	6.010	mg/L	1.0	5	0	120	74	157	3.08	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R40035**	Analysis Date:		7/26/2010 9:47:15 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R40035**	Analysis Date:		7/26/2010 11:48:53 AM	
Gasoline Range Organics (GRO)	0.5144	mg/L	0.050	0.5	0	103	82.3	122			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007788

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*					**Batch ID: R40086**		**Analysis Date: 7/28/2010 10:48:22 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007788

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b3		*MBLK*				Batch ID: **R40086**		Analysis Date:	7/28/2010 10:48:22 AM		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
[redacted]rofluoromethane	ND	µg/L	1.0								
1,[redacted]richloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b4		*MBLK*				Batch ID: **R40086**		Analysis Date:	7/28/2010 10:23:15 PM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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								
C[redacted]rm	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007788

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b4		*MBLK*									
				Batch ID: R40086		Analysis Date: 7/28/2010 10:23:15 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-b		*LCS*									
				Batch ID: R40086		Analysis Date: 7/28/2010 12:15:54 P					

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007788

Analyte	Result	Units	PQL	SPK Val	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs-b		*LCS*				Batch ID:	**R40086**	Analysis Date:	7/28/2010 12:15:54 PM		
Benzene	19.43	µg/L	1.0	20	0	97.2	82.4	116			
Toluene	21.80	µg/L	1.0	20	0	109	89.5	123			
Chlorobenzene	20.91	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	24.33	µg/L	1.0	20	0	122	90.3	138			
Trichloroethene (TCE)	17.27	µg/L	1.0	20	0	86.3	64	129			
Method: SM2540C MOD: Total Dissolved Solids											
Sample ID: MB-23131		*MBLK*				Batch ID:	**23131**	Analysis Date:	7/25/2010 4:17:00 PM		
Total Dissolved Solids	ND	mg/L	20.0								
Sample ID: LCS-23131		*LCS*				Batch ID:	**23131**	Analysis Date:	7/25/2010 4:17:00 PM		
Total Dissolved Solids	1015	mg/L	20.0	1000	0	102	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **7/22/2010**

Work Order Number **1007788** Received by: **TLS**

Checklist completed by: _____ 7/22/10 Sample ID labels checked by: _____

Signature Date Initials

Matrix: Carrier name: FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**-0.3°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: PO Box 7 Gallup, NM 87301
Phone #: 505-722-3833
email or Fax#: 505-722-0210
QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)
Accreditation: ☐ NELAP ☐ Other ____
☐ EDD (Type) ____

Turn-Around Time: ☒ Standard ☐ Rush ____
Project Name: 2010 Annual
Project #: EP-2 In
Project Manager: C Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 0.3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No 1007138
7/21/10	1510	H2O	EP2-IN	1-250ml	H2SO4	1
				1-500ml	None	1
				1-500ml	None	1
				3-40ml	HCl	1
				3-40ml	HCl	1
			Trip Blank			2

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA) 7 MTBE	8270 (Semi-VOA)	8270 SIM	8260	TDS	Air Bubbles (Y or N)
~~X~~												X		
	X													
											X			
									X					

Date	Time	Relinquished by:	Received by:	Date	Time
7/21/10	1532			7/22/10	915
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: ~~BTEX~~ + MTBE 8260 Per CJ client wants gro, dro, 8260 run for 7/21 only. To 7/22

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.

MW-1, 2, 4, 5
Post Closure

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, March 09, 2010

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301
TEL: (505) 722-0227
FAX (505) 722-0210

RE: Post Closure Monitoring

Order No.: 1003061

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 3/3/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

2,12,6,1-WM

Hall Environmental Analysis Laboratory, Inc. **Date:** *09-Mar-10*

CLIENT: Western Refining Southwest, Gallup
Project: Post Closure Monitoring
Lab Order: 1003061

CASE NARRATIVE

Acetone was detected in the trip blanks, and not the actual samples. This is likely contamination from the laboratory.

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW1-000-2-10
Lab Order:	1003061	**Collection Date:**	3/1/2010 11:15:00 AM
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2010 1:37:19 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2010 1:37:19 PM
Surr: DNOP	116	58-140		%REC	1	3/4/2010 1:37:19 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 1:33:35 AM
Surr: BFB	95.7	55.2-107		%REC	1	3/5/2010 1:33:35 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:29:25 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	ND	0.020		mg/L	1	3/5/2010 11:38:56 AM
Beryllium	ND	0.0030		mg/L	1	3/5/2010 11:38:56 AM
Cadmium	ND	0.0020		mg/L	1	3/5/2010 11:38:56 AM
Chromium	ND	0.0060		mg/L	1	3/5/2010 11:38:56 AM
Cobalt	ND	0.0060		mg/L	1	3/5/2010 11:38:56 AM
Lead	ND	0.0050		mg/L	1	3/5/2010 11:38:56 AM
Nickel	ND	0.010		mg/L	1	3/5/2010 11:38:56 AM
Silver	ND	0.0050		mg/L	1	3/5/2010 11:38:56 AM
Vanadium	ND	0.050		mg/L	1	3/5/2010 11:38:56 AM
Zinc	ND	0.020		mg/L	1	3/5/2010 11:38:56 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW1-000-2-10-B
Lab Order:	1003061	**Collection Date:**	
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 2:34:12 AM
Surr: BFB	89.5	55.2-107		%REC	1	3/5/2010 2:34:12 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW2-000-2-10
Lab Order:	1003061	**Collection Date:**	3/1/2010 2:11:00 PM
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2010 2:13:17 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2010 2:13:17 PM
Surr: DNOP	105	58-140		%REC	1	3/4/2010 2:13:17 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 3:04:33 AM
Surr: BFB	92.6	55.2-107		%REC	1	3/5/2010 3:04:33 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:31:16 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	ND	0.020		mg/L	1	3/5/2010 12:08:11 PM
Beryllium	ND	0.0030		mg/L	1	3/5/2010 12:08:11 PM
Cadmium	ND	0.0020		mg/L	1	3/5/2010 12:08:11 PM
Chromium	ND	0.0060		mg/L	1	3/5/2010 12:08:11 PM
Cobalt	ND	0.0060		mg/L	1	3/5/2010 12:08:11 PM
Lead	ND	0.0050		mg/L	1	3/5/2010 12:08:11 PM
Nickel	ND	0.010		mg/L	1	3/5/2010 12:08:11 PM
Silver	ND	0.0050		mg/L	1	3/5/2010 12:08:11 PM
Vanadium	ND	0.050		mg/L	1	3/5/2010 12:08:11 PM
Zinc	ND	0.020		mg/L	1	3/5/2010 12:08:11 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW4-000-2-10
Lab Order:	1003061	**Collection Date:**	3/2/2010 10:47:00 AM
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2010 2:49:13 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2010 2:49:13 PM
Surr: DNOP	106	58-140		%REC	1	3/4/2010 2:49:13 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 3:34:48 AM
Surr: BFB	88.7	55.2-107		%REC	1	3/5/2010 3:34:48 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:33:07 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	0.023	0.020		mg/L	1	3/5/2010 12:14:59 PM
Beryllium	ND	0.0030		mg/L	1	3/5/2010 12:14:59 PM
Cadmium	ND	0.0020		mg/L	1	3/5/2010 12:14:59 PM
Chromium	ND	0.0060		mg/L	1	3/5/2010 12:14:59 PM
Cobalt	ND	0.0060		mg/L	1	3/5/2010 12:14:59 PM
Lead	ND	0.0050		mg/L	1	3/5/2010 12:14:59 PM
Nickel	ND	0.010		mg/L	1	3/5/2010 12:14:59 PM
Silver	ND	0.0050		mg/L	1	3/5/2010 12:14:59 PM
Vanadium	ND	0.050		mg/L	1	3/5/2010 12:14:59 PM
Zinc	ND	0.020		mg/L	1	3/5/2010 12:14:59 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW5-000-2-10
Lab Order:	1003061	**Collection Date:**	3/1/2010 4:19:00 PM
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2010 3:25:26 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2010 3:25:26 PM
Surr: DNOP	106	58-140		%REC	1	3/4/2010 3:25:26 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 4:04:58 AM
Surr: BFB	95.9	55.2-107		%REC	1	3/5/2010 4:04:58 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:34:51 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	0.024	0.020		mg/L	1	3/5/2010 12:23:27 PM
Beryllium	ND	0.0030		mg/L	1	3/5/2010 12:23:27 PM
Cadmium	ND	0.0020		mg/L	1	3/5/2010 12:23:27 PM
Chromium	ND	0.0060		mg/L	1	3/5/2010 12:23:27 PM
Cobalt	ND	0.0060		mg/L	1	3/5/2010 12:23:27 PM
Lead	ND	0.0050		mg/L	1	3/5/2010 12:23:27 PM
Nickel	ND	0.010		mg/L	1	3/5/2010 12:23:27 PM
Silver	ND	0.0050		mg/L	1	3/5/2010 12:23:27 PM
Vanadium	ND	0.050		mg/L	1	3/5/2010 12:23:27 PM
Zinc	ND	0.020		mg/L	1	3/5/2010 12:23:27 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW4-000-2-10
Lab Order:	1003061	**Collection Date:**	3/1/2010 12:03:00 PM
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2010 4:01:24 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2010 4:01:24 PM
Surr: DNOP	122	58-140		%REC	1	3/4/2010 4:01:24 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 4:35:08 AM
Surr: BFB	86.6	55.2-107		%REC	1	3/5/2010 4:35:08 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:36:36 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	0.035	0.020		mg/L	1	3/5/2010 12:30:18 PM
Beryllium	ND	0.0030		mg/L	1	3/5/2010 12:30:18 PM
Cadmium	ND	0.0020		mg/L	1	3/5/2010 12:30:18 PM
Chromium	0.0082	0.0060		mg/L	1	3/5/2010 12:30:18 PM
Cobalt	0.026	0.0060		mg/L	1	3/5/2010 12:30:18 PM
Lead	ND	0.0050		mg/L	1	3/5/2010 12:30:18 PM
Nickel	ND	0.010		mg/L	1	3/5/2010 12:30:18 PM
Silver	ND	0.0050		mg/L	1	3/5/2010 12:30:18 PM
Vanadium	ND	0.050		mg/L	1	3/5/2010 12:30:18 PM
Zinc	ND	0.020		mg/L	1	3/5/2010 12:30:18 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-003	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01E / MW1-000-2-10	**Sampling Time**	11:15 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Arsenic	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-007	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03E / MW2-000-2-10	**Sampling Time**	2:11 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Arsenic	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-012	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05E / MW4-000-2-10	**Sampling Time**	10:47 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Arsenic	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-016	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06E / MW5-000-2-10	**Sampling Time**	4:19 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Arsenic	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-020	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM	
Client Sample ID	1003061-07E / SMW4-000-2-10	**Sampling Time**	12:03 PM				
Matrix	Water						
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Arsenic	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's *Maximum Contaminant Level*
ND Not Detected
PQL Practical Quantitation Limit

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-008	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03F / MW2-000-2-10	**Sampling Time**	2:11 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	3/9/2010	KME	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-013	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05F / MW4-000-2-10	**Sampling Time**	10:47 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	3/9/2010	KME	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-017	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06F / MW5-000-2-10	**Sampling Time**	4:19 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	3/9/2010	KME	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-021	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07F / SMW4-000-2-10	**Sampling Time**	12:03 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	3/9/2010	KME	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-001	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01B / MW1-000-2-10	**Sampling Time**	11:15 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-001	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010 11:00 AM
Client Sample ID	1003061-01B / MW1-000-2-10	**Sampling Time**	11:15 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-001

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	98.8	70-130
4-Bromofluorobenzene	EPA 8260B	98.0	70-130
Toluene-d8	EPA 8260B	99.2	70-130

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-005	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03B / MW2-000-2-10	**Sampling Time**	2:11 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	2.73	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number 100304013-005 **Sampling Date** 3/1/2010 **Date/Time Received** 3/4/2010 11:00 AM
Client Sample ID 1003061-03B / MW2-000-2-10 **Sampling Time** 2:11 PM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-005

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	98.4	70-130
4-Bromofluorobenzene	EPA 8260B	98.4	70-130
Toluene-d8	EPA 8260B	99.2	70-130

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-009	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-04B / MW5000-2-10-B	**Sampling Time**				
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	3.36	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-009	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010 11:00 AM
Client Sample ID	1003061-04B / MW5000-2-10-B	**Sampling Time**			
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-009

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	97.6	70-130
4-Bromofluorobenzene	EPA 8260B	98.0	70-130
Toluene-d8	EPA 8260B	100.0	70-130

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-010	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05B / MW4-000-2-10	**Sampling Time**	10:47 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-010	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05B / MW4-000-2-10	**Sampling Time**	10:47 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-010

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	98.4	70-130
4-Bromofluorobenzene	EPA 8260B	98.0	70-130
Toluene-d8	EPA 8260B	99.6	70-130

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-014	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06B / MW5-000-2-10	**Sampling Time**	4:19 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-014	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010 11:00 AM
Client Sample ID	1003061-06B / MW5-000-2-10	**Sampling Time**	4:19 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-014

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	97.2	70-130
4-Bromofluorobenzene	EPA 8260B	98.0	70-130
Toluene-d8	EPA 8260B	99.6	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-018	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07B / SMW4-000-2-10	**Sampling Time**	12:03 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-018	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07B / SMW4-000-2-10	**Sampling Time**	12:03 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-018

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	98.4	70-130
4-Bromofluorobenzene	EPA 8260B	98.4	70-130
Toluene-d8	EPA 8260B	99.2	70-130

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Diphenyl hydrazine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3,5-TNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-DNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Naphthoquinone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,5-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,6-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,6-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Acetylaminofluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chloronaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Picoline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3'-Dichlorobenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3-Dimethylbenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Methylcholanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Aminobiphenyl	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Bromophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chloro-3-methylphenol	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
4-Chloroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
4-Chlorophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
5-Nitro-o-toluidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
a,a-Dimethylphenethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acetonphenone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aramite	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo(ghi)perylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Chloroethyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Carbazole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chlorobenzilate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Diallate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Dibenzofuran	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethoate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
diphenylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Disulfoton	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Hexachlorobenzene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Hexachlorobutadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorocyclopentadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloropropene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachorophene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Isodrin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isophorone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isosafrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Kepone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methapyrilene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrosodimethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-nitrosodibutylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiphenylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	

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Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
n-Nitrosomethylethylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
n-Nitrosomorpholine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopiperadine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopyrrolidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o-Toluidine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloronitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenacetin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phorate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
p-Phenylenediamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pronamide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Safrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Sulfotep	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Project Name: 1003061

Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Thionazin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dioxane	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100304013-002

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	75.9	10-123
2-Fluorobiphenyl	EPA 8270C	96.6	19-130
2-Fluorophenol	EPA 8270C	80.4	21-110
Nitrobenzene-d5	EPA 8270C	107.1	25-130
Phenol-d5	EPA 8270C	96.4	10-125
Terphenyl-d14	EPA 8270C	106.8	33-141

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Diphenyl hydrazine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3,5-TNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-DNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Naphthoquinone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,5-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,6-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,6-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Acetylaminofluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chloronaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Picoline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3'-Dichlorobenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3-Dimethylbenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Methylcholanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Aminobiphenyl	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Bromophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chloro-3-methylphenol	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
4-Chloroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chlorophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
4-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
5-Nitro-o-toluidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
a,a-Dimethylphenethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acetonphenone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aramite	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo(ghi)perylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Carbazole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chlorobenzilate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Diallate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Dibenzofuran	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethoate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
diphenylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Disulfoton	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorobenzene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Hexachlorobutadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorocyclopentadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloropropene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachorophene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Isodrin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isophorone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isosafrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Kepone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methapyrilene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrosodimethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-nitrosodibutylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiphenylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
n-Nitrosomethylethylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
n-Nitrosomorpholine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopiperadine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopyrrolidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o-Toluidine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloronitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenacetin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phorate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
p-Phenylenediamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pronamide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Safrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Sulfotep	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Thionazin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,4-Dioxane	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100304013-006

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	82.2	10-123
2-Fluorobiphenyl	EPA 8270C	90.9	19-130
2-Fluorophenol	EPA 8270C	84.4	21-110
Nitrobenzene-d5	EPA 8270C	102.2	25-130
Phenol-d5	EPA 8270C	98.9	10-125
Terphenyl-d14	EPA 8270C	101.4	33-141

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ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Diphenyl hydrazine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3,5-TNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-DNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Naphthoquinone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,5-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,6-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,6-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Acetylaminofluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chloronaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Picoline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3'-Dichlorobenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3-Dimethylbenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Methylcholanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Aminobiphenyl	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Bromophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chloro-3-methylphenol	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
4-Chloroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chlorophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
4-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
5-Nitro-o-toluidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
a,a-Dimethylphenethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acetonphenone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aramite	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo(ghi)perylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Carbazole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chlorobenzilate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Diallate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Dibenzofuran	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethoate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
diphenylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Disulfoton	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorobenzene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	

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Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Hexachlorobutadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorocyclopentadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloropropene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachorophene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Isodrin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isophorone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isosafrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Kepone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methapyrilene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrosodimethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-nitrosodibutylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiphenylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
n-Nitrosomethylethylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	

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Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
n-Nitrosomorpholine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopiperadine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopyrrolidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o-Toluidine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloronitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenacetin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phorate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
p-Phenylenediamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pronamide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Safrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Sulfotep	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Thionazin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,4-Dioxane	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100304013-011

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	78.5	10-123
2-Fluorobiphenyl	EPA 8270C	88.7	19-130
2-Fluorophenol	EPA 8270C	82.5	21-110
Nitrobenzene-d5	EPA 8270C	102.6	25-130
Phenol-d5	EPA 8270C	96.2	10-125
Terphenyl-d14	EPA 8270C	98.8	33-141

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Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Diphenyl hydrazine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3,5-TNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-DNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Naphthoquinone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,5-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,6-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,6-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Acetylaminofluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chloronaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Picoline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3'-Dichlorobenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3-Dimethylbenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Methylcholanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Aminobiphenyl	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Bromophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chloro-3-methylphenol	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
4-Chloroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chlorophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
4-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
5-Nitro-o-toluidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
a,a-Dimethylphenethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acetonphenone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aramite	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo(ghi)perylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Carbazole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chlorobenzilate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Diallate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Dibenzofuran	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethoate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
diphenylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Disulfoton	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorobenzene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	

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Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Hexachlorobutadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorocyclopentadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloropropene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachorophene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Isodrin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isophorone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isosafrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Kepone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methapyrilene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrosodimethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-nitrosodibutylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiphenylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
n-Nitrosomethylethylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
n-Nitrosomorpholine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopiperadine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopyrrolidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o-Toluidine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloronitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenacetin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phorate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
p-Phenylenediamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pronamide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Safrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Sulfotep	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Thionazin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,4-Dioxane	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100304013-015

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	77.7	10-123
2-Fluorobiphenyl	EPA 8270C	90.3	19-130
2-Fluorophenol	EPA 8270C	82.7	21-110
Nitrobenzene-d5	EPA 8270C	103.4	25-130
Phenol-d5	EPA 8270C	97.8	10-125
Terphenyl-d14	EPA 8270C	99.2	33-141

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Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
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Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Diphenyl hydrazine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3,5-TNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-DNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Naphthoquinone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,5-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,6-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,6-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Acetylaminofluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chloronaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Picoline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3'-Dichlorobenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3-Dimethylbenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Methylcholanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Aminobiphenyl	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Bromophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chloro-3-methylphenol	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
4-Chloroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chlorophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
4-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
5-Nitro-o-toluidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
a,a-Dimethylphenethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acetonphenone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aramite	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo(ghi)perylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Carbazole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chlorobenzilate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Diallate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Dibenzofuran	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethoate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
diphenylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Disulfoton	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorobenzene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Analytical Results Report

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Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Hexachlorobutadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorocyclopentadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloropropene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachorophene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Isodrin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isophorone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isosafrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Kepone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methapyrilene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrosodimethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-nitrosodibutylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiphenylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
n-Nitrosomethylethylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
n-Nitrosomorpholine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopiperadine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopyrrolidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o-Toluidine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloronitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenacetin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phorate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
p-Phenylenediamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pronamide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Safrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Sulfotep	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Thionazin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,4-Dioxane	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100304013-019

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	83.0	10-123
2-Fluorobiphenyl	EPA 8270C	90.9	19-130
2-Fluorophenol	EPA 8270C	86.1	21-110
Nitrobenzene-d5	EPA 8270C	104.5	25-130
Phenol-d5	EPA 8270C	99.4	10-125
Terphenyl-d14	EPA 8270C	103.2	33-141

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Post Closure Monitoring **Work Order:** 1003061

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21542		*MBLK*				Batch ID:	**21542**	Analysis Date:		3/4/2010 11:49:12 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21542		*LCS*				Batch ID:	**21542**	Analysis Date:		3/4/2010 12:25:25 PM	
Diesel Range Organics (DRO)	4.747	mg/L	1.0	5	0	94.9	74	157			
Sample ID: LCSD-21542		*LCSD*				Batch ID:	**21542**	Analysis Date:		3/4/2010 1:01:23 PM	
Diesel Range Organics (DRO)	5.110	mg/L	1.0	5	0	102	74	157	7.37	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37630**	Analysis Date:		3/4/2010 9:20:28 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37630**	Analysis Date:		3/4/2010 6:59:28 PM	
Gasoline Range Organics (GRO)	0.4664	mg/L	0.050	0.5	0	93.3	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R37630**	Analysis Date:		3/4/2010 7:29:51 PM	
Gasoline Range Organics (GRO)	0.4900	mg/L	0.050	0.5	0	98.0	80	115	4.94	8.39	
Method: EPA Method 7470: Mercury											
Sample ID: MB-21570		*MBLK*				Batch ID:	**21570**	Analysis Date:		3/8/2010 2:23:58 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-21570		*LCS*				Batch ID:	**21570**	Analysis Date:		3/8/2010 2:25:48 PM	
Mercury	0.005045	mg/L	0.00020	0.005	3E-05	100	80	120			
Sample ID: LCS-21570		*LCS*				Batch ID:	**21570**	Analysis Date:		3/8/2010 2:27:40 PM	
Mercury	0.005116	mg/L	0.00020	0.005	3E-05	102	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

lient: Western Refining Southwest, Gallup
r. : Post Closure Monitoring **Work Order:** 1003061

nalyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ethod: EPA 6010B: Total Recoverable Metals											
ample ID: MB-21552		*MBLK*				Batch ID:	**21552**	Analysis Date:	3/5/2010 11:20:46 AM		
arium	ND	mg/L	0.020								
eryllium	ND	mg/L	0.0030								
admium	ND	mg/L	0.0020								
hromium	ND	mg/L	0.0060								
obalt	ND	mg/L	0.0060								
ead	ND	mg/L	0.0050								
ickel	ND	mg/L	0.010								
ilver	ND	mg/L	0.0050								
anadium	ND	mg/L	0.050								
inc	ND	mg/L	0.020								
ample ID: LCS-21552		*LCS*				Batch ID:	**21552**	Analysis Date:	3/5/2010 11:23:36 AM		
arium	0.4676	mg/L	0.020	0.5	0	93.5	80	120			
eryllium	0.5075	mg/L	0.0030	0.5	0	102	80	120			
admium	0.4811	mg/L	0.0020	0.5	0	96.2	80	120			
hromium	0.4860	mg/L	0.0060	0.5	0	97.2	80	120			
obalt	0.4824	mg/L	0.0060	0.5	0	96.5	80	120			
ead	0.4679	mg/L	0.0050	0.5	0	93.6	80	120			
ickel	0.4569	mg/L	0.010	0.5	0	91.4	80	120			
ilver	0.4849	mg/L	0.0050	0.5	0.0017	96.6	80	120			
a um	0.5020	mg/L	0.050	0.5	0	100	80	120			
inc	0.4501	mg/L	0.020	0.5	0	90.0	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Cyanide	0.506	mg/L	0.5	101.2	80-120	3/9/2010	3/9/2010

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
100304013-021	Cyanide	ND	0.497	mg/L	0.5	99.4	70-130	3/9/2010	3/9/2010

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Cyanide	0.509	mg/L	0.5	101.8	2.4	0-25	3/9/2010	3/9/2010

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Cyanide	ND	mg/L	0.01	3/9/2010	3/9/2010

AR	Acceptable Range
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Selenium	0.0491	mg/L	0.05	98.2	80-120	3/8/2010	3/9/2010
Arsenic	0.0497	mg/L	0.05	99.4	80-120	3/8/2010	3/9/2010
Antimony	0.0582	mg/L	0.05	116.4	80-120	3/8/2010	3/9/2010

Lab Control Sample Duplicate

Parameter	LCSD Result	Units	LCSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Selenium	0.0494	mg/L	0.05	98.8	0.6	0-20	3/8/2010	3/9/2010
Arsenic	0.0499	mg/L	0.05	99.8	0.4	0-20	3/8/2010	3/9/2010
Antimony	0.0576	mg/L	0.05	115.2	1.0	0-20	3/8/2010	3/9/2010

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
100305032-001A	Selenium	0.0218	0.0680	mg/L	0.05	92.4	75-125	3/8/2010	3/9/2010
100305032-001A	Arsenic	ND	0.0535	mg/L	0.05	107.0	75-125	3/8/2010	3/9/2010
100305032-001A	Antimony	ND	0.0588	mg/L	0.05	117.6	75-125	3/8/2010	3/9/2010

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Selenium	0.0710	mg/L	0.05	98.4	4.3	0-20	3/8/2010	3/9/2010
Arsenic	0.0534	mg/L	0.05	106.8	0.2	0-20	3/8/2010	3/9/2010
Antimony	0.0589	mg/L	0.05	117.8	0.2	0-20	3/8/2010	3/9/2010

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Antimony	ND	mg/L	0.001	3/8/2010	3/9/2010
Arsenic	ND	mg/L	0.001	3/8/2010	3/9/2010
Selenium	ND	mg/L	0.001	3/8/2010	3/9/2010

Comments:

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-004	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01F / MW1-000-2-10	**Sampling Time**	11:15 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	3/9/2010	KME	EPA 335.4	

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Trichloroethene	4.89	ug/L	5	97.8	74-129	3/5/2010	3/5/2010
Toluene	4.75	ug/L	5	95.0	75-126	3/5/2010	3/5/2010
Tetrachloroethene	4.98	ug/L	5	99.6	71-127	3/5/2010	3/5/2010
o-Xylene	4.70	ug/L	5	94.0	81-121	3/5/2010	3/5/2010
Ethylbenzene	4.69	ug/L	5	93.8	77-123	3/5/2010	3/5/2010
Chlorobenzene	4.68	ug/L	5	93.6	79-119	3/5/2010	3/5/2010
Benzene	4.81	ug/L	5	96.2	76-127	3/5/2010	3/5/2010
1,1-Dichloroethene	5.00	ug/L	5	100.0	69-139	3/5/2010	3/5/2010

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
100304013-001	Trichloroethene	ND	11.6	ug/L	10	116.0	68-144	3/5/2010	3/5/2010
100304013-001	Toluene	ND	11.7	ug/L	10	117.0	64-145	3/5/2010	3/5/2010
100304013-001	Tetrachloroethene	ND	12.1	ug/L	10	121.0	62-143	3/5/2010	3/5/2010
100304013-001	o-Xylene	ND	11.1	ug/L	10	111.0	68-142	3/5/2010	3/5/2010
100304013-001	Ethylbenzene	ND	11.6	ug/L	10	116.0	76-133	3/5/2010	3/5/2010
100304013-001	Chlorobenzene	ND	11.1	ug/L	10	111.0	77-125	3/5/2010	3/5/2010
100304013-001	Benzene	ND	11.4	ug/L	10	114.0	73-137	3/5/2010	3/5/2010
100304013-001	1,1-Dichloroethene	ND	12.8	ug/L	10	128.0	70-154	3/5/2010	3/5/2010

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	3/5/2010
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	3/5/2010
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	3/5/2010
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	3/5/2010
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	3/5/2010
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	3/5/2010
Acetone	ND	ug/L	2.5	3/5/2010	3/5/2010
Benzene	ND	ug/L	0.5	3/5/2010	3/5/2010
Carbon disulfide	ND	ug/L	0.5	3/5/2010	3/5/2010
Chlorobenzene	ND	ug/L	0.5	3/5/2010	3/5/2010

Comments:

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Project Name: 1003061

Analytical Results Report

Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Chloroform	ND	ug/L	0.5	3/5/2010	3/5/2010
Chloromethane	ND	ug/L	0.5	3/5/2010	3/5/2010
Ethylbenzene	ND	ug/L	0.5	3/5/2010	3/5/2010
m+p-Xylene	ND	ug/L	0.5	3/5/2010	3/5/2010
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	3/5/2010
Methylene chloride	ND	ug/L	2.5	3/5/2010	3/5/2010
o-Xylene	ND	ug/L	0.5	3/5/2010	3/5/2010
Styrene	ND	ug/L	0.5	3/5/2010	3/5/2010
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	3/5/2010
Toluene	ND	ug/L	0.5	3/5/2010	3/5/2010
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	3/5/2010
Trichloroethene	ND	ug/L	0.5	3/5/2010	3/5/2010

AR	Acceptable Range
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percentage Difference

Comments:

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Pyrene	5.05	ug/L	5	101.0	45-138	3/8/2010	3/9/2010
Phenol	4.90	ug/L	5	98.0	45-134	3/8/2010	3/9/2010
Pentachlorophenol	3.83	ug/L	5	76.6	22-138	3/8/2010	3/9/2010
n-Nitroso-di-n-propylamine	5.70	ug/L	5	114.0	46-135	3/8/2010	3/9/2010
bis(2-Ethylhexyl)phthalate	4.92	ug/L	5	98.4	89-166	3/8/2010	3/9/2010
Acenaphthene	4.60	ug/L	5	92.0	36-122	3/8/2010	3/9/2010
4-Nitrophenol	5.01	ug/L	5	100.2	19-137	3/8/2010	3/9/2010
4-Chloro-3-methylphenol	4.70	ug/L	5	94.0	42-139	3/8/2010	3/9/2010
2-Chlorophenol	4.78	ug/L	5	95.6	50-131	3/8/2010	3/9/2010
2,4-Dinitrotoluene	5.51	ug/L	5	110.2	49-134	3/8/2010	3/9/2010
1,4-Dichlorobenzene	3.20	ug/L	5	64.0	13-96	3/8/2010	3/9/2010
1,2,4-Trichlorobenzene	3.22	ug/L	5	64.4	12-93	3/8/2010	3/9/2010

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
100303039-004C	Pyrene	ND	4.81	ug/L	5	96.2	45-138	3/8/2010	3/9/2010
100303039-004C	Phenol	ND	4.72	ug/L	5	94.4	45-134	3/8/2010	3/9/2010
100303039-004C	Pentachlorophenol	ND	4.32	ug/L	5	86.4	22-138	3/8/2010	3/9/2010
100303039-004C	n-Nitroso-di-n-propylamine	ND	5.50	ug/L	5	110.0	46-135	3/8/2010	3/9/2010
100303039-004C	bis(2-Ethylhexyl)phthalate	ND	4.67	ug/L	5	93.4	89-166	3/8/2010	3/9/2010
100303039-004C	Acenaphthene	ND	4.43	ug/L	5	88.6	36-122	3/8/2010	3/9/2010
100303039-004C	4-Nitrophenol	ND	4.90	ug/L	5	98.0	19-137	3/8/2010	3/9/2010
100303039-004C	4-Chloro-3-methylphenol	ND	4.84	ug/L	5	96.8	42-139	3/8/2010	3/9/2010
100303039-004C	2-Chlorophenol	ND	4.74	ug/L	5	94.8	50-131	3/8/2010	3/9/2010
100303039-004C	2,4-Dinitrotoluene	ND	5.40	ug/L	5	108.0	49-134	3/8/2010	3/9/2010
100303039-004C	1,4-Dichlorobenzene	ND	3.25	ug/L	5	65.0	13-96	3/8/2010	3/9/2010
100303039-004C	1,2,4-Trichlorobenzene	ND	3.11	ug/L	5	62.2	12-93	3/8/2010	3/9/2010

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Pyrene	4.92	ug/L	5	98.4	2.3	0-36	3/8/2010	3/9/2010
Phenol	4.86	ug/L	5	97.2	2.9	0-35	3/8/2010	3/9/2010

Comments:

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Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Quality Control Data

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Pentachlorophenol	4.15	ug/L	5	83.0	4.0	0-47	3/8/2010	3/9/2010
n-Nitroso-di-n-propylamine	5.65	ug/L	5	113.0	2.7	0-38	3/8/2010	3/9/2010
bis(2-Ethylhexyl)phthalate	4.70	ug/L	5	94.0	0.6	0-50	3/8/2010	3/9/2010
Acenaphthene	4.61	ug/L	5	92.2	4.0	0-23	3/8/2010	3/9/2010
4-Nitrophenol	4.85	ug/L	5	97.0	1.0	0-50	3/8/2010	3/9/2010
4-Chloro-3-methylphenol	4.86	ug/L	5	97.2	0.4	0-33	3/8/2010	3/9/2010
2-Chlorophenol	4.70	ug/L	5	94.0	0.8	0-50	3/8/2010	3/9/2010
2,4-Dinitrotoluene	5.67	ug/L	5	113.4	4.9	0-47	3/8/2010	3/9/2010
1,4-Dichlorobenzene	3.27	ug/L	5	65.4	0.6	0-27	3/8/2010	3/9/2010
1,2,4-Trichlorobenzene	3.16	ug/L	5	63.2	1.6	0-27	3/8/2010	3/9/2010

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
1,2,4-Trichlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
1,2-Dichlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
1,2-Diphenyl hydrazine	ND	ug/L	10	3/8/2010	3/9/2010
1,3,5-TNB	ND	ug/L	10	3/8/2010	3/9/2010
1,3-Dichlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
1,3-DNB	ND	ug/L	10	3/8/2010	3/9/2010
1,4-Dichlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
1,4-Dioxane	ND	ug/L	5	3/8/2010	3/9/2010
1,4-Naphthoquinone	ND	ug/L	10	3/8/2010	3/9/2010
1-Methylnaphthalene	ND	ug/L	10	3/8/2010	3/9/2010
1-Naphthylamine	ND	ug/L	10	3/8/2010	3/9/2010
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/8/2010	3/9/2010
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4,5-Trichlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4,6-Trichlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4-Dichlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4-Dimethylphenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4-Dinitrophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4-Dinitrotoluene	ND	ug/L	10	3/8/2010	3/9/2010
2,6-Dichlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,6-Dinitrotoluene	ND	ug/L	10	3/8/2010	3/9/2010

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
2-Acetylaminofluorene	ND	ug/L	10	3/8/2010	3/9/2010
2-Chloronaphthalene	ND	ug/L	10	3/8/2010	3/9/2010
2-Chlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2-Methylnaphthalene	ND	ug/L	10	3/8/2010	3/9/2010
2-Methylphenol	ND	ug/L	10	3/8/2010	3/9/2010
2-Naphthylamine	ND	ug/L	10	3/8/2010	3/9/2010
2-Nitroaniline	ND	ug/L	10	3/8/2010	3/9/2010
2-Nitrophenol	ND	ug/L	10	3/8/2010	3/9/2010
2-Picoline	ND	ug/L	10	3/8/2010	3/9/2010
3,3'-Dichlorobenzidine	ND	ug/L	10	3/8/2010	3/9/2010
3,3-Dimethylbenzidine	ND	ug/L	10	3/8/2010	3/9/2010
3+4-Methylphenol	ND	ug/L	10	3/8/2010	3/9/2010
3-Methylcholanthrene	ND	ug/L	10	3/8/2010	3/9/2010
3-Nitroaniline	ND	ug/L	10	3/8/2010	3/9/2010
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/8/2010	3/9/2010
4-Aminobiphenyl	ND	ug/L	10	3/8/2010	3/9/2010
4-Bromophenyl-phenylether	ND	ug/L	10	3/8/2010	3/9/2010
4-Chloro-3-methylphenol	ND	ug/L	5	3/8/2010	3/9/2010
4-Chloroaniline	ND	ug/L	10	3/8/2010	3/9/2010
4-Chlorophenyl-phenylether	ND	ug/L	10	3/8/2010	3/9/2010
4-Nitroaniline	ND	ug/L	10	3/8/2010	3/9/2010
4-Nitrophenol	ND	ug/L	10	3/8/2010	3/9/2010
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/8/2010	3/9/2010
5-Methylchrysene	ND	ug/L	1	3/8/2010	3/9/2010
5-Nitro-o-toluidine	ND	ug/L	10	3/8/2010	3/9/2010
6-Methylchrysene	ND	ug/L	1	3/8/2010	3/9/2010
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/8/2010	3/9/2010
a,a-Dimethylphenethylamine	ND	ug/L	10	3/8/2010	3/9/2010
Acenaphthene	ND	ug/L	10	3/8/2010	3/9/2010
Acenaphthylene	ND	ug/L	10	3/8/2010	3/9/2010
Acetonphenone	ND	ug/L	10	3/8/2010	3/9/2010
Aniline	ND	ug/L	10	3/8/2010	3/9/2010
Anthracene	ND	ug/L	10	3/8/2010	3/9/2010
Aramite	ND	ug/L	10	3/8/2010	3/9/2010
Benzenethiole	ND	ug/L	5	3/8/2010	3/9/2010
Benzidine	ND	ug/L	10	3/8/2010	3/9/2010
Benzo(ghi)perylene	ND	ug/L	10	3/8/2010	3/9/2010

Comments:

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Benzo[a]anthracene	ND	ug/L	0.1	3/8/2010	3/9/2010
Benzo[a]pyrene	ND	ug/L	0.1	3/8/2010	3/9/2010
Benzo[b]fluoranthene	ND	ug/L	0.1	3/8/2010	3/9/2010
Benzo[k]fluoranthene	ND	ug/L	0.1	3/8/2010	3/9/2010
Benzyl alcohol	ND	ug/L	10	3/8/2010	3/9/2010
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/8/2010	3/9/2010
bis(2-Chloroethyl)ether	ND	ug/L	10	3/8/2010	3/9/2010
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/8/2010	3/9/2010
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/8/2010	3/9/2010
Butylbenzylphthalate	ND	ug/L	10	3/8/2010	3/9/2010
Carbazole	ND	ug/L	10	3/8/2010	3/9/2010
Chlorobenzilate	ND	ug/L	10	3/8/2010	3/9/2010
Chrysene	ND	ug/L	0.1	3/8/2010	3/9/2010
Diallate	ND	ug/L	10	3/8/2010	3/9/2010
Dibenz(a,j)acridine	ND	ug/L	1	3/8/2010	3/9/2010
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/8/2010	3/9/2010
Dibenzofuran	ND	ug/L	10	3/8/2010	3/9/2010
Diethylphthalate	ND	ug/L	10	3/8/2010	3/9/2010
Dimethoate	ND	ug/L	10	3/8/2010	3/9/2010
Dimethylphthalate	ND	ug/L	10	3/8/2010	3/9/2010
Di-n-butylphthalate	ND	ug/L	10	3/8/2010	3/9/2010
Di-n-octylphthalate	ND	ug/L	10	3/8/2010	3/9/2010
diphenylamine	ND	ug/L	10	3/8/2010	3/9/2010
Disulfoton	ND	ug/L	10	3/8/2010	3/9/2010
Ethyl methanesulfonate	ND	ug/L	10	3/8/2010	3/9/2010
Ethyl parathion	ND	ug/L	10	3/8/2010	3/9/2010
Fluoranthene	ND	ug/L	10	3/8/2010	3/9/2010
Fluorene	ND	ug/L	10	3/8/2010	3/9/2010
Hexachlorobenzene	ND	ug/L	1	3/8/2010	3/9/2010
Hexachlorobutadiene	ND	ug/L	10	3/8/2010	3/9/2010
Hexachlorocyclopentadiene	ND	ug/L	10	3/8/2010	3/9/2010
Hexachloroethane	ND	ug/L	10	3/8/2010	3/9/2010
Hexachloropropene	ND	ug/L	10	3/8/2010	3/9/2010
Hexachorophene	ND	ug/L	10	3/8/2010	3/9/2010
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/8/2010	3/9/2010
Isodrin	ND	ug/L	10	3/8/2010	3/9/2010
Isophorone	ND	ug/L	10	3/8/2010	3/9/2010

Comments:

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Isosafrole	ND	ug/L	10	3/8/2010	3/9/2010
Kepone	ND	ug/L	10	3/8/2010	3/9/2010
Kepone	ND	ug/L	5	3/8/2010	3/9/2010
Methapyrilene	ND	ug/L	10	3/8/2010	3/9/2010
Methyl methanesulfonate	ND	ug/L	10	3/8/2010	3/9/2010
Methyl parathion	ND	ug/L	10	3/8/2010	3/9/2010
Naphthalene	ND	ug/L	10	3/8/2010	3/9/2010
Nitrobenzene	ND	ug/L	10	3/8/2010	3/9/2010
Nitrosodimethylamine	ND	ug/L	10	3/8/2010	3/9/2010
n-nitrosodibutylamine	ND	ug/L	10	3/8/2010	3/9/2010
n-Nitrosodiethylamine	ND	ug/L	10	3/8/2010	3/9/2010
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/8/2010	3/9/2010
n-Nitrosodiphenylamine	ND	ug/L	2	3/8/2010	3/9/2010
n-Nitrosomethylethylamine	ND	ug/L	2	3/8/2010	3/9/2010
n-Nitrosomorpholine	ND	ug/L	10	3/8/2010	3/9/2010
n-Nitrosopiperadine	ND	ug/L	10	3/8/2010	3/9/2010
n-Nitrosopyrrolidine	ND	ug/L	10	3/8/2010	3/9/2010
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/8/2010	3/9/2010
o-Toluidine	ND	ug/L	2	3/8/2010	3/9/2010
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/8/2010	3/9/2010
Pentachlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
Pentachloroethane	ND	ug/L	10	3/8/2010	3/9/2010
Pentachloronitrobenzene	ND	ug/L	10	3/8/2010	3/9/2010
Pentachlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
Phenacetin	ND	ug/L	10	3/8/2010	3/9/2010
Phenanthrene	ND	ug/L	1	3/8/2010	3/9/2010
Phenol	ND	ug/L	10	3/8/2010	3/9/2010
Phorate	ND	ug/L	10	3/8/2010	3/9/2010
p-Phenylenediamine	ND	ug/L	10	3/8/2010	3/9/2010
Pronamide	ND	ug/L	10	3/8/2010	3/9/2010
Pyrene	ND	ug/L	10	3/8/2010	3/9/2010
Pyridine	ND	ug/L	10	3/8/2010	3/9/2010
Quinoline	ND	ug/L	5	3/8/2010	3/9/2010
Safrole	ND	ug/L	10	3/8/2010	3/9/2010
Sulfotep	ND	ug/L	10	3/8/2010	3/9/2010
Thionazin	ND	ug/L	10	3/8/2010	3/9/2010

Comments:

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Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU — Date Received: 3/3/2010

Work Order Number 1003061 — Received by: AT

Checklist completed by: _____ 3/3/10 — Sample ID labels checked by: TJ

Signature — Date — Initials

Matrix: — Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 5

10

(<2 >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: per CJ "B" samples are Trip Blanks/AT 3/3/10 (MW1 -B) MW5 -B)

Corrective Action

Chai of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time: ☐ Standard ☒ Rush 3/9/2010

Project Name: Post Closure Monitoring

Project #: Wells

Project Manager: G Rajen

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	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) Skinner List	per Skinner Lists				Air Bubbles (Y or N)
3-1-10	1115	H2O	MW1-000-2-10	Amber G-1L	None	1003061-1											X					
				40ml-6	HCl	-2												X				
				-2	HNO3	-1												X				
				-1	NaOH	-1												X				
			MW1-000-2-10-B	40ml-1		-2		AT 3/3/10	X							X	X	4				
	1411		MW2-000-2-10	Amber-1	None	-3											X	X 4				
				40ml-6	HCl	-3												X				
				-2	HNO3	-3												X				
				-1	NaOH	-3												X				
				AT 3/3/10																		
			MW5-000-2-10-B	1X40ml	HCl	-4		AT 3/3/10	X							X						

Date	Time	Relinquished by:	Received by:	Date	Time
3/2/10	1145			3/3/10	0930
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Tests per attached Skinner lists.

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)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☒ Rush 3/9/2010

Project Name: Post Closure Monitoring

Project #: Wells

Project Manager: G Rajen

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1003061	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) Skinner List	per attached Skinner List				Air Bubbles (Y or N)
2/10	1047	H2O	MW4-000-2-10	Amber-1	None	-5											X					
				40ml-6	HCl	-5												X				
				-2	HNO_3	-5												X				
				-1	NaOH	-5												X				
-1-10	1619		MW5-000-2-10	Amber-1	None	-6											X					
				40ml-6	HCl	-6												X				
				-2	HNO_3	-6												X				
				-1	NaOH	-6												X				
	1203		SMW4-000-2-10	Amber-1	None	-7											X					
				40ml-6	HCl	-7												X				
				-2	HNO_3	-7												X				
				-1	NaOH	-7												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
2/10	1145			3/3/10	0930
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Tests per attached Skinner List

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

MW-1

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, August 11, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual Sampling

Order No.: 1007755

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 7/21/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

1-WM

Hall Environmental Analysis Laboratory, Inc. Date: *11-Aug-10*

CLIENT: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling
Lab Order: 1007755

CASE NARRATIVE

1,4-Dioxane was scanned for by GCMS method 8260B and not detected.

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	1007755	**Collection Date:**	7/16/2010 12:18:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/22/2010 3:15:34 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/22/2010 3:15:34 PM
Surr: DNOP	134	86.9-151		%REC	1	7/22/2010 3:15:34 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 11:52:18 AM
Surr: BFB	93.5	65.7-118		%REC	1	7/27/2010 11:52:18 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/22/2010 7:48:11 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	ND	0.020		mg/L	1	7/26/2010 1:11:52 PM
Beryllium	ND	0.0030		mg/L	1	7/26/2010 1:11:52 PM
Cadmium	ND	0.0020		mg/L	1	7/26/2010 1:11:52 PM
Chromium	ND	0.0060		mg/L	1	7/26/2010 1:11:52 PM
Cobalt	ND	0.0060		mg/L	1	7/26/2010 1:11:52 PM
Lead	ND	0.0050		mg/L	1	7/26/2010 1:11:52 PM
Nickel	ND	0.010		mg/L	1	7/26/2010 1:11:52 PM
Silver	ND	0.0050		mg/L	1	7/26/2010 1:11:52 PM
Vanadium	ND	0.050		mg/L	1	7/26/2010 1:11:52 PM
Zinc	ND	0.020		mg/L	1	7/26/2010 1:11:52 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Toluene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Ethylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Naphthalene	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 8:55:37 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 8:55:37 PM
Acetone	ND	10		µg/L	1	7/23/2010 8:55:37 PM
Bromobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Bromoform	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Bromomethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
2-Butanone	ND	10		µg/L	1	7/23/2010 8:55:37 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	1007755	**Collection Date:**	7/16/2010 12:18:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Carbon disulfide	ND	10		µg/L	1	7/23/2010 8:55:37 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Chlorobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Chloroethane	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
Chloroform	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Chloromethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Dibromomethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,4-Dichlorobenzene *	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
2-Hexanone	ND	10		µg/L	1	7/23/2010 8:55:37 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/23/2010 8:55:37 PM
Methylene Chloride	ND	3.0		µg/L	1	7/23/2010 8:55:37 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Styrene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	1007755	**Collection Date:**	7/16/2010 12:18:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
Vinyl chloride	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Xylenes, Total	ND	1.5		µg/L	1	7/23/2010 8:55:37 PM
Surr: 1,2-Dichloroethane-d4	107	54.6-141		%REC	1	7/23/2010 8:55:37 PM
Surr: 4-Bromofluorobenzene	112	60.1-133		%REC	1	7/23/2010 8:55:37 PM
Surr: Dibromofluoromethane	115	78.5-130		%REC	1	7/23/2010 8:55:37 PM
Surr: Toluene-d8	89.8	79.5-126		%REC	1	7/23/2010 8:55:37 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
Lab Order:	1007755	**Collection Date:**	7/16/2010 1:45:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/22/2010 3:49:40 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/22/2010 3:49:40 PM
Surr: DNOP	136	86.9-161		%REC	1	7/22/2010 3:49:40 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 12:50:08 PM
Surr: BFB	92.4	65.7-118		%REC	1	7/27/2010 12:50:08 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/22/2010 7:53:38 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	0.027	0.020		mg/L	1	7/26/2010 1:14:16 PM
Beryllium	ND	0.0030		mg/L	1	7/26/2010 1:14:16 PM
Cadmium	ND	0.0020		mg/L	1	7/26/2010 1:14:16 PM
Chromium	ND	0.0060		mg/L	1	7/26/2010 1:14:16 PM
Cobalt	0.0064	0.0060		mg/L	1	7/26/2010 1:14:16 PM
Lead	ND	0.0050		mg/L	1	7/26/2010 1:14:16 PM
Nickel	ND	0.010		mg/L	1	7/26/2010 1:14:16 PM
Silver	ND	0.0050		mg/L	1	7/26/2010 1:14:16 PM
Vanadium	0.052	0.050		mg/L	1	7/26/2010 1:14:16 PM
Zinc	ND	0.020		mg/L	1	7/26/2010 1:14:16 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Toluene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Ethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Naphthalene	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 9:21:40 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 9:21:40 PM
Acetone	ND	10		µg/L	1	7/23/2010 9:21:40 PM
Bromobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Bromoform	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Bromomethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
2-Butanone	ND	10		µg/L	1	7/23/2010 9:21:40 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
Lab Order:	1007755	**Collection Date:**	7/16/2010 1:45:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	10		µg/L	1	7/23/2010 9:21:40 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Chlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Chloroethane	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
Chloroform	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Chloromethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Dibromomethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
2-Hexanone	ND	10		µg/L	1	7/23/2010 9:21:40 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/23/2010 9:21:40 PM
Methylene Chloride	ND	3.0		µg/L	1	7/23/2010 9:21:40 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Styrene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J *Analyte detected below quantitation limits*
- MCL *Maximum Contaminant Level*
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
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Lab ID:	1007755-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
Vinyl chloride	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Xylenes, Total	ND	1.5		µg/L	1	7/23/2010 9:21:40 PM
Surr: 1,2-Dichloroethane-d4	111	54.6-141		%REC	1	7/23/2010 9:21:40 PM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	1	7/23/2010 9:21:40 PM
Surr: Dibromofluoromethane	114	78.5-130		%REC	1	7/23/2010 9:21:40 PM
Surr: Toluene-d8	95.6	79.5-128		%REC	1	7/23/2010 9:21:40 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	1007755	**Collection Date:**	7/16/2010 2:35:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/22/2010 4:23:46 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/22/2010 4:23:46 PM
Surr: DNOP	131	86.9-151		%REC	1	7/22/2010 4:23:46 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.37	0.050		mg/L	1	7/27/2010 1:19:03 PM
Surr: BFB	1560	65.7-118	S	%REC	1	7/27/2010 1:19:03 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/22/2010 7:55:24 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	0.022	0.020		mg/L	1	7/26/2010 1:16:42 PM
Beryllium	ND	0.0030		mg/L	1	7/26/2010 1:16:42 PM
Cadmium	ND	0.0020		mg/L	1	7/26/2010 1:16:42 PM
Chromium	0.093	0.0060		mg/L	1	7/26/2010 1:16:42 PM
Cobalt	ND	0.0060		mg/L	1	7/26/2010 1:16:42 PM
Lead	ND	0.0050		mg/L	1	7/26/2010 1:16:42 PM
Nickel	0.022	0.010		mg/L	1	7/26/2010 1:16:42 PM
Silver	ND	0.0050		mg/L	1	7/26/2010 1:16:42 PM
Vanadium	ND	0.050		mg/L	1	7/26/2010 1:16:42 PM
Zinc	ND	0.020		mg/L	1	7/26/2010 1:16:42 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Toluene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Ethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Methyl tert-butyl ether (MTBE)	8.8	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Naphthalene	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 9:47:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 9:47:47 PM
Acetone	ND	10		µg/L	1	7/23/2010 9:47:47 PM
Bromobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Bromoform	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Bromomethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
2-Butanone	ND	10		µg/L	1	7/23/2010 9:47:47 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	1007755	**Collection Date:**	7/16/2010 2:35:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	10		µg/L	1	7/23/2010 9:47:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Chlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Chloroethane	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
Chloroform	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Chloromethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Dibromomethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
2-Hexanone	ND	10		µg/L	1	7/23/2010 9:47:47 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/23/2010 9:47:47 PM
Methylene Chloride	ND	3.0		µg/L	1	7/23/2010 9:47:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Styrene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	1007755	**Collection Date:**	7/16/2010 2:35:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
Vinyl chloride	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Xylenes, Total	ND	1.5		µg/L	1	7/23/2010 9:47:47 PM
Surr: 1,2-Dichloroethane-d4	106	54.6-141		%REC	1	7/23/2010 9:47:47 PM
Surr: 4-Bromofluorobenzene	117	60.1-133		%REC	1	7/23/2010 9:47:47 PM
Surr: Dibromofluoromethane	110	78.5-130		%REC	1	7/23/2010 9:47:47 PM
Surr: Toluene-d8	89.3	79.5-126		%REC	1	7/23/2010 9:47:47 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	1007755	**Collection Date:**	7/19/2010 1:53:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/22/2010 4:57:54 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/22/2010 4:57:54 PM
Surr: DNOP	134	86.9-151		%REC	1	7/22/2010 4:57:54 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 1:47:58 PM
Surr: BFB	97.9	65.7-118		%REC	1	7/27/2010 1:47:58 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/22/2010 7:57:10 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	ND	0.020		mg/L	1	7/29/2010 3:53:03 PM
Beryllium	ND	0.0030		mg/L	1	7/29/2010 3:53:03 PM
Cadmium	ND	0.0020		mg/L	1	7/29/2010 3:53:03 PM
Chromium	ND	0.0060		mg/L	1	7/29/2010 3:53:03 PM
Cobalt	ND	0.0060		mg/L	1	7/29/2010 3:53:03 PM
Lead	ND	0.0050		mg/L	1	7/29/2010 3:53:03 PM
Nickel	ND	0.010		mg/L	1	7/29/2010 3:53:03 PM
Silver	ND	0.0050		mg/L	1	7/29/2010 3:53:03 PM
Vanadium	ND	0.050		mg/L	1	7/29/2010 3:53:03 PM
Zinc	ND	0.020		mg/L	1	7/29/2010 3:53:03 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Toluene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 11:17:41 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 11:17:41 AM
Acetone	ND	10		µg/L	1	7/26/2010 11:17:41 AM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Bromoform	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
2-Butanone	ND	10		µg/L	1	7/26/2010 11:17:41 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1007755
Project: 2010 Annual Sampling
Lab ID: 1007755-04

Client Sample ID: MW-5
Collection Date: 7/19/2010 1:53:00 PM
Date Received: 7/21/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	10		µg/L	1	7/26/2010 11:17:41 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
Chloroform	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
2-Hexanone	ND	10		µg/L	1	7/26/2010 11:17:41 AM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 11:17:41 AM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 11:17:41 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Styrene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	1007755	**Collection Date:**	7/19/2010 1:53:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 11:17:41 AM
Surr: 1,2-Dichloroethane-d4	94.3	54.6-141		%REC	1	7/26/2010 11:17:41 AM
Surr: 4-Bromofluorobenzene	95.5	60.1-133		%REC	1	7/26/2010 11:17:41 AM
Surr: Dibromofluoromethane	102	78.5-130		%REC	1	7/26/2010 11:17:41 AM
Surr: Toluene-d8	95.9	79.5-126		%REC	1	7/26/2010 11:17:41 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	1007755	**Collection Date:**	7/19/2010 3:11:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/22/2010 5:31:55 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/22/2010 5:31:55 PM
Surr: DNOP	134	86.9-151		%REC	1	7/22/2010 5:31:55 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 2:16:49 PM
Surr: BFB	93.7	65.7-118		%REC	1	7/27/2010 2:16:49 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/22/2010 7:58:56 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	ND	0.020		mg/L	1	7/29/2010 3:57:06 PM
Beryllium	ND	0.0030		mg/L	1	7/29/2010 3:57:06 PM
Cadmium	ND	0.0020		mg/L	1	7/29/2010 3:57:06 PM
Chromium	ND	0.0060		mg/L	1	7/29/2010 3:57:06 PM
Cobalt	ND	0.0060		mg/L	1	7/29/2010 3:57:06 PM
Lead	ND	0.0050		mg/L	1	7/29/2010 3:57:06 PM
Nickel	ND	0.010		mg/L	1	7/29/2010 3:57:06 PM
Silver	ND	0.0050		mg/L	1	7/29/2010 3:57:06 PM
Vanadium	ND	0.050		mg/L	1	7/29/2010 3:57:06 PM
Zinc	ND	0.020		mg/L	1	7/29/2010 3:57:06 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Toluene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 11:43:49 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 11:43:49 AM
Acetone	ND	10		µg/L	1	7/26/2010 11:43:49 AM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Bromoform	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
2-Butanone	ND	10		µg/L	1	7/26/2010 11:43:49 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	1007755	**Collection Date:**	7/19/2010 3:11:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	10		µg/L	1	7/26/2010 11:43:49 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
Chloroform	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
2-Hexanone	ND	10		µg/L	1	7/26/2010 11:43:49 AM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 11:43:49 AM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 11:43:49 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Styrene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	1007755	**Collection Date:**	7/19/2010 3:11:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 11:43:49 AM
Surr: 1,2-Dichloroethane-d4	95.3	54.6-141		%REC	1	7/26/2010 11:43:49 AM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	7/26/2010 11:43:49 AM
Surr: Dibromofluoromethane	99.1	78.5-130		%REC	1	7/26/2010 11:43:49 AM
Surr: Toluene-d8	104	79.5-126		%REC	1	7/26/2010 11:43:49 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007755	**Collection Date:**	
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 2:45:40 PM
Surr: BFB	92.4	65.7-118		%REC	1	7/27/2010 2:45:40 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 12:10:03 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 12:10:03 PM
Acetone	ND	10		µg/L	1	7/26/2010 12:10:03 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 12:10:03 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 12:10:03 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007755	**Collection Date:**	
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 12:10:03 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 12:10:03 PM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 12:10:03 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 12:10:03 PM
Surr: 1,2-Dichloroethane-d4	99.0	54.6-141		%REC	1	7/26/2010 12:10:03 PM
Surr: 4-Bromofluorobenzene	100	60.1-133		%REC	1	7/26/2010 12:10:03 PM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	7/26/2010 12:10:03 PM
Surr: Toluene-d8	89.1	79.5-126		%REC	1	7/26/2010 12:10:03 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007755	**Collection Date:**	
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 3:14:37 PM
Surr: BFB	93.3	65.7-118		%REC	1	7/27/2010 3:14:37 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 12:36:12 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 12:36:12 PM
Acetone	ND	10		µg/L	1	7/26/2010 12:36:12 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 12:36:12 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 12:36:12 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007755	**Collection Date:**	
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 12:36:12 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 12:36:12 PM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 12:36:12 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 12:36:12 PM
Surr: 1,2-Dichloroethane-d4	107	54.6-141		%REC	1	7/26/2010 12:36:12 PM
Surr: 4-Bromofluorobenzene	116	60.1-133		%REC	1	7/26/2010 12:36:12 PM
Surr: Dibromofluoromethane	109	78.5-130		%REC	1	7/26/2010 12:36:12 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	7/26/2010 12:36:12 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-002	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-01E / MW-1	**Sampling Time**	12:18 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Arsenic	0.00146	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-003	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-01F / MW-1	**Sampling Time**	12:18 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	7/28/2010	MAS	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-005	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-02E / SMW-4	**Sampling Time**	1:45 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Arsenic	0.00333	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-006	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-02F / SMW-4	**Sampling Time**	1:45 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	7/28/2010	MAS	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-008	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-03E / SMW-2	**Sampling Time**	2:35 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Arsenic	0.00350	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1007755
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-009	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-03F / SMW-2	**Sampling Time**	2:35 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	0.0525	mg/L	0.01	7/28/2010	MAS	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1007755
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-011	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-04E / MW-5	**Sampling Time**	1:53 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Arsenic	0.00136	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-012	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-04F / MW-5	**Sampling Time**	1:53 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	7/28/2010	MAS	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-014	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-05E / MW-4	**Sampling Time**	3:11 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Arsenic	0.00117	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-015	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-05F / MW-4	**Sampling Time**	3:11 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	7/28/2010	MAS	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-001	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-01C / MW-1	**Sampling Time**	12:18 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1	5	8/6/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Diethylphthalate	1.03	ug/L	1	10	8/6/2010	EMP	EPA 8270C	J
Dimethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-001	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-01C / MW-1	**Sampling Time**	12:18 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
Phenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	
Benzo(j)fluoranthene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100723014-001

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	83.4	10-123
2-Fluorobiphenyl	EPA 8270C	81.9	19-130
2-Fluorophenol	EPA 8270C	76.8	21-110
Nitrobenzene-d5	EPA 8270C	93.9	25-130
Phenol-d5	EPA 8270C	83.4	10-125
Terphenyl-d14	EPA 8270C	105.3	33-141

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-004	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-02C / SMW-4	**Sampling Time**	1:45 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1	5	8/6/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C585
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2832; ID:WA00169; WA:C585; MT:Cert0095

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-004	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-02C / SMW-4	**Sampling Time**	1:45 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
Pyridine	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	
Benzo(j)fluoranthene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100723014-004

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	90.0	10-123
2-Fluorobiphenyl	EPA 8270C	84.0	19-130
2-Fluorophenol	EPA 8270C	80.1	21-110
Nitrobenzene-d5	EPA 8270C	94.4	25-130
Phenol-d5	EPA 8270C	85.0	10-125
Terphenyl-d14	EPA 8270C	102.5	33-141

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-007	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-03C / SMW-2	**Sampling Time**	2:35 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1	5	8/6/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Diethylphthalate	1.89	ug/L	1	10	8/6/2010	EMP	EPA 8270C	J
Dimethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-007	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-03C / SMW-2	**Sampling Time**	2:35 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
Pyridine	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	
Benzo()fluoranthene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100723014-007

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	91.6	10-123
2-Fluorobiphenyl	EPA 8270C	74.9	19-130
2-Fluorophenol	EPA 8270C	80.4	21-110
Nitrobenzene-d5	EPA 8270C	90.0	25-130
Phenol-d6	EPA 8270C	78.3	10-125
Terphenyl-d14	EPA 8270C	96.7	33-141

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-010	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-04C / MW-5	**Sampling Time**	1:53 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1	5	8/6/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-010	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-04C / MW-5	**Sampling Time**	1:53 PM	**Extraction Date**	7/23/2010
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
Pyridine	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	
Benzo(j)fluoranthene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100723014-010

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	89.9	10-123
2-Fluorobiphenyl	EPA 8270C	87.1	19-130
2-Fluorophenol	EPA 8270C	79.9	21-110
Nitrobenzene-d5	EPA 8270C	95.7	25-130
Phenol-d5	EPA 8270C	82.5	10-125
Terphenyl-d14	EPA 8270C	111.3	33-141

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-013	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-05C / MW-4	**Sampling Time**	3:11 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1	5	8/6/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

Anatek Labs, Inc.

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-013	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-05C / MW-4	**Sampling Time**	3:11 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
Pyridine	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100723014-013

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	88.4	10-123
2-Fluorobiphenyl	EPA 8270C	86.4	19-130
2-Fluorophenol	EPA 8270C	79.8	21-110
Nitrobenzene-d5	EPA 8270C	97.1	26-130
Phenol-d6	EPA 8270C	84.2	10-125
Terphenyl-d14	EPA 8270C	112.9	33-141

Authorized Signature

John Coddington, Lab Manager

J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
MCL	EPA's Maximum Contaminant Level
ND	Not Detected
PQL	Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23107		*MBLK*				Batch ID:	**23107**	Analysis Date:		7/22/2010 12:24:58 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23107		*LCS*				Batch ID:	**23107**	Analysis Date:		7/22/2010 1:33:13 PM	
Diesel Range Organics (DRO)	5.984	mg/L	1.0	5	0	120	74	157			
Sample ID: LCSD-23107		*LCSD*				Batch ID:	**23107**	Analysis Date:		7/22/2010 2:07:21 PM	
Diesel Range Organics (DRO)	6.103	mg/L	1.0	5	0	122	74	157	1.96	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R40058**	Analysis Date:		7/27/2010 9:56:32 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R40058**	Analysis Date:		7/27/2010 8:03:37 PM	
Gasoline Range Organics (GRO)	0.5164	mg/L	0.050	0.5	0	103	82.3	122			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R40058**	Analysis Date:		7/27/2010 8:32:29 PM	
Gasoline Range Organics (GRO)	0.4954	mg/L	0.050	0.5	0	99.1	82.3	122	4.15	10.3	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID:** R40021		**Analysis Date:** 7/23/2010 9:15:09 AM		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*									
				Batch ID: **R40021**		Analysis Date:		7/23/2010 9:15:09 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: b7		*MBLK*									
				Batch ID: **R40021**		Analysis Date:		7/23/2010 10:13:53 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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*					**Batch ID: R40021**		**Analysis Date: 7/23/2010 10:13:53 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: b2		*MBLK*					**Batch ID: R40039**		**Analysis Date: 7/26/2010 9:32:51 AM**		

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*				**Batch ID: R40039**		**Analysis Date: 7/26/2010 9:32:51 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*					**Batch ID: R40039**		**Analysis Date: 7/26/2010 9:32:51 AM**		
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b6		*MBLK*					**Batch ID: R40039**		**Analysis Date: 7/26/2010 7:37:36 PM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b6		*MBLK*									
Chloromethane	ND	µg/L	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: R40039 **Analysis Date:** 7/26/2010 7:37:36 PM

Batch ID: R40021 **Analysis Date:** 7/23/2010 12:28:12 PM

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID: **R40021**		Analysis Date:	7/23/2010 12:28:12 PM		
Benzene	18.93	µg/L	1.0	20	0	94.7	82.4	116			
Toluene	23.43	µg/L	1.0	20	0	117	89.5	123			
Chlorobenzene	20.44	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	20.67	µg/L	1.0	20	0	103	90.3	138			
Trichloroethene (TCE)	17.26	µg/L	1.0	20	0	86.3	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID: **R40039**		Analysis Date:	7/26/2010 10:25:19 AM		
Benzene	19.06	µg/L	1.0	20	0	95.3	82.4	116			
Toluene	22.82	µg/L	1.0	20	0	114	89.5	123			
Chlorobenzene	21.00	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	21.41	µg/L	1.0	20	0	107	90.3	138			
Trichloroethene (TCE)	17.98	µg/L	1.0	20	0	89.9	64	129			
Method: EPA Method 7470: Mercury											
Sample ID: MB-23113		*MBLK*				Batch ID: **23113**		Analysis Date:	7/22/2010 7:10:35 PM		
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23113		*LCS*				Batch ID: **23113**		Analysis Date:	7/22/2010 7:12:19 PM		
Mercury	0.004888	mg/L	0.00020	0.005	0	97.8	80	120			
Sample ID: LCS-23113		*LCS*				Batch ID: **23113**		Analysis Date:	7/22/2010 7:14:04 PM		
Mercury	0.004909	mg/L	0.00020	0.005	0	98.2	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23129		*MBLK*				Batch ID:	**23129**	Analysis Date:	7/26/2010 11:30:02 AM		
Barium	ND	mg/L	0.020								
Beryllium	ND	mg/L	0.0030								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Cobalt	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Nickel	ND	mg/L	0.010								
Silver	ND	mg/L	0.0050								
Vanadium	ND	mg/L	0.050								
Zinc	ND	mg/L	0.020								
Sample ID: MB-23130		*MBLK*				Batch ID:	**23130**	Analysis Date:	7/29/2010 3:03:07 PM		
Barium	ND	mg/L	0.020								
Beryllium	ND	mg/L	0.0030								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Cobalt	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Nickel	ND	mg/L	0.010								
Silver	ND	mg/L	0.0050								
Vanadium	ND	mg/L	0.050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23129		*LCS*				Batch ID:	**23129**	Analysis Date:	7/26/2010 11:32:54 AM		
Barium	0.4979	mg/L	0.020	0.5	0	99.6	80	120			
Beryllium	0.5247	mg/L	0.0030	0.5	0	105	80	120			
Cadmium	0.5110	mg/L	0.0020	0.5	0	102	80	120			
Chromium	0.5100	mg/L	0.0060	0.5	0	102	80	120			
Cobalt	0.5316	mg/L	0.0060	0.5	0	106	80	120			
Lead	0.5060	mg/L	0.0050	0.5	0	101	80	120			
Nickel	0.4901	mg/L	0.010	0.5	0	98.0	80	120			
Silver	0.5216	mg/L	0.0050	0.5	0.0025	104	80	120			
Vanadium	0.5281	mg/L	0.050	0.5	0	106	80	120			
Zinc	0.4854	mg/L	0.020	0.5	0	97.1	80	120			
Sample ID: LCS-23129		*LCS*				Batch ID:	**23129**	Analysis Date:	7/26/2010 11:35:55 AM		
Barium	0.4892	mg/L	0.020	0.5	0	97.8	80	120	1.76	0	
Beryllium	0.5255	mg/L	0.0030	0.5	0	105	80	120	0.146	0	
Cadmium	0.5060	mg/L	0.0020	0.5	0	101	80	120	0.981	0	
Chromium	0.4998	mg/L	0.0060	0.5	0	100	80	120	2.02	0	
Lead	0.5006	mg/L	0.0050	0.5	0	100	80	120	1.07	0	
Nickel	0.4817	mg/L	0.010	0.5	0	96.3	80	120	1.74	0	
Silver	0.5106	mg/L	0.0050	0.5	0.0025	102	80	120	2.13	0	
Vanadium	0.5179	mg/L	0.050	0.5	0	104	80	120	1.95	0	
Zinc	0.4780	mg/L	0.020	0.5	0	95.6	80	120	1.52	0	
Sample ID: LCS-23130		*LCS*				Batch ID:	**23130**	Analysis Date:	7/29/2010 3:15:05 PM		

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: LCS-23130		*LCS*				Batch ID:	**23130**	Analysis Date:	**7/29/2010 3:15:05 PM**		
Barium	0.4589	mg/L	0.020	0.5	0	91.8	80	120			
Beryllium	0.4909	mg/L	0.0030	0.5	0	98.2	80	120			
Cadmium	0.4703	mg/L	0.0020	0.5	0	94.1	80	120			
Chromium	0.4661	mg/L	0.0060	0.5	0	93.2	80	120			
Cobalt	0.4669	mg/L	0.0060	0.5	0	93.4	80	120			
Lead	0.4658	mg/L	0.0050	0.5	0	93.2	80	120			
Nickel	0.4501	mg/L	0.010	0.5	0	90.0	80	120			
Silver	0.4872	mg/L	0.0050	0.5	0	97.4	80	120			
Vanadium	0.4901	mg/L	0.050	0.5	0	98.0	80	120			
Zinc	0.4369	mg/L	0.020	0.5	0	87.4	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **7/21/2010**

Work Order Number **1007755** Received by: **ARS**

Checklist completed by: _____ 7/21/10 Sample ID labels checked by: **10**
Signature Date Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑ 7/21	No ☐	N/A ☐	
Container/Temp Blank temperature?	-0.6°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 4 5
(<2 or >12 unless noted below)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1 ml HNO_3 to 1007755-5 for acceptable ph. 7/21/10

Corrective Action _____

Chain-of-Custody Record

Client: Gallup Refinery / Western

Mailing Address: Rt 3 Box 7 Gallup, NM

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2010 Annual Sampling

Project #: MW + SMW wells

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 0.6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1008735
7/16/10	1218	H2O	MW-1			1
"	1345	"	SMW-4			2
"	1435	"	SMW-2			3
7/19/10	1353	"	MW-5			4
	1511	"	MW-4			5
			Field Blank (2)			6
			Trip Blank (2)			7

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	See attached Sheet for list				Air Bubbles (Y or N)
											X				
											X				
											X				
											X				
											X				

Remarks:

Date	Time	Relinquished by:	Received by:	Date	Time
7/19/10	1611			7/21/10	10:45
Date:	Time:	Relinquished by:	Received by:	Date	Time

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

OW-11

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, August 17, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual

Order No.: 1007A15

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 7/29/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

11-CWO

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1007A15	**Collection Date:**	7/28/2010 10:28:00 AM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	2.8	0.10		mg/L	1	8/6/2010 6:24:10 AM
Chloride	89	10		mg/L	20	7/29/2010 10:34:40 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	7/29/2010 10:17:16 PM
Bromide	0.21	0.10		mg/L	1	7/29/2010 10:17:16 PM
Nitrogen, Nitrate (As N)	0.30	0.10		mg/L	1	7/29/2010 10:17:16 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	7/29/2010 10:17:16 PM
Sulfate	1100	25		mg/L	50	7/31/2010 12:58:52 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	8/3/2010 6:22:01 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/2/2010 12:16:33 PM
Barium	ND	0.020		mg/L	1	8/2/2010 12:16:33 PM
Cadmium	ND	0.0020		mg/L	1	8/2/2010 12:16:33 PM
Calcium	12	1.0		mg/L	1	8/2/2010 12:16:33 PM
Chromium	ND	0.0060		mg/L	1	8/2/2010 12:16:33 PM
Copper	ND	0.0060		mg/L	1	8/2/2010 12:16:33 PM
Iron	ND	0.020		mg/L	1	8/2/2010 12:16:33 PM
Lead	ND	0.0050		mg/L	1	8/2/2010 12:16:33 PM
Magnesium	1.3	1.0		mg/L	1	8/2/2010 12:16:33 PM
Manganese	0.016	0.0020		mg/L	1	8/2/2010 12:16:33 PM
Potassium	1.8	1.0		mg/L	1	8/2/2010 12:16:33 PM
Selenium	ND	0.050		mg/L	1	8/2/2010 12:16:33 PM
Silver	ND	0.0050		mg/L	1	8/2/2010 12:16:33 PM
Sodium	630	10		mg/L	10	8/2/2010 1:24:56 PM
Zinc	ND	0.050		mg/L	1	8/2/2010 12:16:33 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/4/2010 12:21:39 PM
Barium	ND	0.020		mg/L	1	8/4/2010 12:21:39 PM
Cadmium	ND	0.0020		mg/L	1	8/4/2010 12:21:39 PM
Chromium	ND	0.0060		mg/L	1	8/4/2010 12:21:39 PM
Copper	ND	0.0060		mg/L	1	8/4/2010 12:21:39 PM
Iron	ND	0.050		mg/L	1	8/4/2010 12:21:39 PM
Lead	ND	0.0050		mg/L	1	8/4/2010 12:21:39 PM
Manganese	0.016	0.0020		mg/L	1	8/4/2010 12:21:39 PM
Selenium	ND	0.050		mg/L	1	8/4/2010 12:21:39 PM
Silver	ND	0.0050		mg/L	1	8/4/2010 12:21:39 PM
Zinc	ND	0.020		mg/L	1	8/4/2010 12:21:39 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1007A15	**Collection Date:**	7/28/2010 10:28:00 AM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Acenaphthylene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Aniline	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Anthracene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Azobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benz(a)anthracene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benzo(a)pyrene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benzoic acid	ND	20		µg/L	1	8/3/2010 12:22:24 PM
Benzyl alcohol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Butyl benzyl phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Carbazole	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Chloroaniline	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Chloronaphthalene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Chlorophenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Chrysene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Di-n-butyl phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Di-n-octyl phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Dibenzofuran	ND	10		µg/L	1	8/3/2010 12:22:24 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Diethyl phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Dimethyl phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2,4-Dichlorophenol	ND	20		µg/L	1	8/3/2010 12:22:24 PM
2,4-Dimethylphenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	8/3/2010 12:22:24 PM
2,4-Dinitrophenol	ND	20		µg/L	1	8/3/2010 12:22:24 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	8/3/2010 12:22:24 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1007A15	**Collection Date:**	7/28/2010 10:28:00 AM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluoranthene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Fluorene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Hexachlorobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Hexachlorobutadiene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Hexachloroethane	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Isophorone	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Methylnaphthalene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Methylphenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
3+4-Methylphenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	8/3/2010 12:22:24 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	8/3/2010 12:22:24 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Naphthalene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:22:24 PM
3-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Nitrobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Nitrophenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Nitrophenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Pentachlorophenol	ND	20		µg/L	1	8/3/2010 12:22:24 PM
Phenanthrene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Phenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Pyrene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Pyridine	ND	10		µg/L	1	8/3/2010 12:22:24 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Surr: 2,4,6-Tribromophenol	59.1	16.6-150		%REC	1	8/3/2010 12:22:24 PM
Surr: 2-Fluorobiphenyl	55.8	19.6-134		%REC	1	8/3/2010 12:22:24 PM
Surr: 2-Fluorophenol	44.7	9.54-113		%REC	1	8/3/2010 12:22:24 PM
Surr: 4-Terphenyl-d14	60.2	22.7-145		%REC	1	8/3/2010 12:22:24 PM
Surr: Nitrobenzene-d5	59.1	14.6-134		%REC	1	8/3/2010 12:22:24 PM
Surr: Phenol-d5	36.8	10.7-80.3		%REC	1	8/3/2010 12:22:24 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Toluene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Ethylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1007A15	**Collection Date:**	7/28/2010 10:28:00 AM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Naphthalene	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 12:35:17 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 12:35:17 PM
Acetone	ND	10		µg/L	1	7/31/2010 12:35:17 PM
Bromobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Bromoform	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Bromomethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
2-Butanone	ND	10		µg/L	1	7/31/2010 12:35:17 PM
Carbon disulfide	ND	10		µg/L	1	7/31/2010 12:35:17 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Chlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Chloroethane	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
Chloroform	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Chloromethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Dibromomethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
2-Hexanone	ND	10		µg/L	1	7/31/2010 12:35:17 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/31/2010 12:35:17 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1007A15	**Collection Date:**	7/28/2010 10:28:00 AM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/31/2010 12:35:17 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Styrene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
Vinyl chloride	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Xylenes, Total	ND	1.5		µg/L	1	7/31/2010 12:35:17 PM
Surr: 1,2-Dichloroethane-d4	107	54.6-141		%REC	1	7/31/2010 12:35:17 PM
Surr: 4-Bromofluorobenzene	123	60.1-133		%REC	1	7/31/2010 12:35:17 PM
Surr: Dibromofluoromethane	103	78.5-130		%REC	1	7/31/2010 12:35:17 PM
Surr: Toluene-d8	109	79.5-126		%REC	1	7/31/2010 12:35:17 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **BDH**
Specific Conductance	2800	0.010		µmhos/cm	1	7/30/2010 10:58:21 AM
SM4500-H+B: PH						Analyst: **BDH**
pH	8.39	0.1		pH units	1	7/30/2010 10:58:21 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007A15	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Toluene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Ethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Naphthalene	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:02:50 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:02:50 PM
Acetone	ND	10		µg/L	1	7/31/2010 1:02:50 PM
Bromobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Bromoform	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Bromomethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
2-Butanone	ND	10		µg/L	1	7/31/2010 1:02:50 PM
Carbon disulfide	ND	10		µg/L	1	7/31/2010 1:02:50 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Chlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Chloroethane	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
Chloroform	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Chloromethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Dibromomethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007A15	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/31/2010 1:02:50 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/31/2010 1:02:50 PM
Methylene Chloride	ND	3.0		µg/L	1	7/31/2010 1:02:50 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Styrene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
Vinyl chloride	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Xylenes, Total	ND	1.5		µg/L	1	7/31/2010 1:02:50 PM
Surr: 1,2-Dichloroethane-d4	106	54.6-141		%REC	1	7/31/2010 1:02:50 PM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	1	7/31/2010 1:02:50 PM
Surr: Dibromofluoromethane	102	78.5-130		%REC	1	7/31/2010 1:02:50 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	7/31/2010 1:02:50 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007A15	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Toluene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Ethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Naphthalene	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:30:25 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:30:25 PM
Acetone	ND	10		µg/L	1	7/31/2010 1:30:25 PM
Bromobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Bromoform	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Bromomethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
2-Butanone	ND	10		µg/L	1	7/31/2010 1:30:25 PM
Carbon disulfide	ND	10		µg/L	1	7/31/2010 1:30:25 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Chlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Chloroethane	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
Chloroform	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Chloromethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Dibromomethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
B	Analyte detected in the associated Method Blank
E	Estimated value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
MCL	Maximum Contaminant Level
NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit
S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007A15	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
2-Hexanone	ND	10		µg/L	1	7/31/2010 1:30:25 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/31/2010 1:30:25 PM
Methylene Chloride	ND	3.0		µg/L	1	7/31/2010 1:30:25 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Styrene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
Vinyl chloride	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Xylenes, Total	ND	1.5		µg/L	1	7/31/2010 1:30:25 PM
Surr: 1,2-Dichloroethane-d4	106	54.6-141		%REC	1	7/31/2010 1:30:25 PM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	7/31/2010 1:30:25 PM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	7/31/2010 1:30:25 PM
Surr: Toluene-d8	105	79.5-128		%REC	1	7/31/2010 1:30:25 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-4
Lab Order:	1007A15	**Collection Date:**	7/28/2010 2:29:00 PM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	7/29/2010 10:52:05 PM
Nitrogen, Nitrate (As N)	0.14	0.10		mg/L	1	7/29/2010 10:52:05 PM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	8/3/2010 6:23:47 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/2/2010 12:20:52 PM
Barium	ND	0.020		mg/L	1	8/2/2010 12:20:52 PM
Cadmium	ND	0.0020		mg/L	1	8/2/2010 12:20:52 PM
Chromium	ND	0.0060		mg/L	1	8/2/2010 12:20:52 PM
Copper	ND	0.0060		mg/L	1	8/2/2010 12:20:52 PM
Iron	0.090	0.020		mg/L	1	8/2/2010 12:20:52 PM
Lead	ND	0.0050		mg/L	1	8/2/2010 12:20:52 PM
Manganese	0.0036	0.0020		mg/L	1	8/2/2010 12:20:52 PM
Selenium	ND	0.050		mg/L	1	8/2/2010 12:20:52 PM
Silver	ND	0.0050		mg/L	1	8/2/2010 12:20:52 PM
Zinc	0.086	0.050		mg/L	1	8/2/2010 12:20:52 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/4/2010 12:41:37 PM
Barium	ND	0.020		mg/L	1	8/4/2010 12:41:37 PM
Cadmium	ND	0.0020		mg/L	1	8/4/2010 12:41:37 PM
Chromium	ND	0.0060		mg/L	1	8/4/2010 12:41:37 PM
Copper	ND	0.0060		mg/L	1	8/4/2010 12:41:37 PM
Iron	0.23	0.050		mg/L	1	8/4/2010 12:41:37 PM
Lead	ND	0.0050		mg/L	1	8/4/2010 12:41:37 PM
Manganese	0.0044	0.0020		mg/L	1	8/4/2010 12:41:37 PM
Selenium	ND	0.050		mg/L	1	8/4/2010 12:41:37 PM
Silver	ND	0.0050		mg/L	1	8/4/2010 12:41:37 PM
Zinc	ND	0.020		mg/L	1	8/4/2010 12:41:37 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Acenaphthylene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Aniline	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Anthracene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Azobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Benz(a)anthracene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Benzo(a)pyrene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	8/3/2010 12:52:35 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-4
Lab Order:	1007A15	**Collection Date:**	7/28/2010 2:29:00 PM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Benzo(g,h,i)perylene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Benzoic acid	ND	20		µg/L	1	8/3/2010 12:52:35 PM
Benzyl alcohol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Butyl benzyl phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Carbazole	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Chloroaniline	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2-Chloronaphthalene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2-Chlorophenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Chrysene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Di-n-butyl phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Di-n-octyl phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Dibenzofuran	ND	10		µg/L	1	8/3/2010 12:52:35 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Diethyl phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Dimethyl phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2,4-Dichlorophenol	ND	20		µg/L	1	8/3/2010 12:52:35 PM
2,4-Dimethylphenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	8/3/2010 12:52:35 PM
2,4-Dinitrophenol	ND	20		µg/L	1	8/3/2010 12:52:35 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Fluoranthene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Fluorene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Hexachlorobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Hexachlorobutadiene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Hexachloroethane	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Isophorone	ND	10		µg/L	1	8/3/2010 12:52:35 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-4
Lab Order:	1007A15	**Collection Date:**	7/28/2010 2:29:00 PM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Methylnaphthalene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2-Methylphenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
3+4-Methylphenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	8/3/2010 12:52:35 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	8/3/2010 12:52:35 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Naphthalene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:52:35 PM
3-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Nitrobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2-Nitrophenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Nitrophenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Pentachlorophenol	ND	20		µg/L	1	8/3/2010 12:52:35 PM
Phenanthrene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Phenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Pyrene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Pyridine	ND	10		µg/L	1	8/3/2010 12:52:35 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Surr: 2,4,6-Tribromophenol	42.8	16.6-150		%REC	1	8/3/2010 12:52:35 PM
Surr: 2-Fluorobiphenyl	47.6	19.6-134		%REC	1	8/3/2010 12:52:35 PM
Surr: 2-Fluorophenol	43.9	9.54-113		%REC	1	8/3/2010 12:52:35 PM
Surr: 4-Terphenyl-d14	47.7	22.7-145		%REC	1	8/3/2010 12:52:35 PM
Surr: Nitrobenzene-d5	42.3	14.6-134		%REC	1	8/3/2010 12:52:35 PM
Surr: Phenol-d5	36.6	10.7-80.3		%REC	1	8/3/2010 12:52:35 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Toluene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Ethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Naphthalene	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:57:59 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:57:59 PM
Acetone	ND	10		µg/L	1	7/31/2010 1:57:59 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-4
Lab Order:	1007A15	**Collection Date:**	7/28/2010 2:29:00 PM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Bromobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Bromoform	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Bromomethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
2-Butanone	ND	10		µg/L	1	7/31/2010 1:57:59 PM
Carbon disulfide	ND	10		µg/L	1	7/31/2010 1:57:59 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Chlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Chloroethane	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM
Chloroform	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Chloromethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Dibromomethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
2-Hexanone	ND	10		µg/L	1	7/31/2010 1:57:59 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/31/2010 1:57:59 PM
Methylene Chloride	ND	3.0		µg/L	1	7/31/2010 1:57:59 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Styrene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-4
Lab Order:	1007A15	**Collection Date:**	7/28/2010 2:29:00 PM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM
Vinyl chloride	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Xylenes, Total	ND	1.5		µg/L	1	7/31/2010 1:57:59 PM
Surr: 1,2-Dichloroethane-d4	108	54.6-141		%REC	1	7/31/2010 1:57:59 PM
Surr: 4-Bromofluorobenzene	117	60.1-133		%REC	1	7/31/2010 1:57:59 PM
Surr: Dibromofluoromethane	106	78.5-130		%REC	1	7/31/2010 1:57:59 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	7/31/2010 1:57:59 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100730031
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007A15
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100730031-001	**Sampling Date**	7/28/2010	**Date/Time Received**	7/30/2010 11:15 AM
Client Sample ID	1007A15-01E / OW-11	**Sampling Time**	10:26 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.236	mg/L	0.001	8/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100730031
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007A15
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100730031-002	**Sampling Date**	7/28/2010	**Date/Time Received**	7/30/2010 11:15 AM
Client Sample ID	1007A15-01G / OW-11	**Sampling Time**	10:28 AM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.215	mg/L	0.001	8/10/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100730031
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007A15
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100730031-003	**Sampling Date**	7/28/2010	**Date/Time Received**	7/30/2010 11:15 AM
Client Sample ID	1007A15-04E / PW-4	**Sampling Time**	2:29 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00210	mg/L	0.001	8/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100730031
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007A15
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100730031-004	**Sampling Date**	7/28/2010	**Date/Time Received**	7/30/2010 11:15 AM
Client Sample ID	1007A15-04G / PW-4	**Sampling Time**	2:29 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00146	mg/L	0.001	8/10/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100730031
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1007A15
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100730031-005	**Sampling Date**	7/28/2010	**Date/Time Received**	7/30/2010 11:15 AM
Client Sample ID	1007A15-04H / PW-4	**Sampling Time**	2:29 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	8/6/2010	MAS	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0026; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2832; ID:WA00169; WA:C585; MT:Cert0095

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				**Batch ID: R40134**		**Analysis Date: 7/30/2010 12:30:16 PM**			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS-b		*LCS*				**Batch ID: R40106**		**Analysis Date: 7/29/2010 2:27:11 PM**			
Chloride	5.075	mg/L	0.50	5	0	101	90	110			
Nitrogen, Nitrite (As N)	1.032	mg/L	0.10	1	0	103	90	110			
Bromide	2.582	mg/L	0.10	2.5	0	103	90	110			
Nitrogen, Nitrate (As N)	2.565	mg/L	0.10	2.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	5.168	mg/L	0.50	5	0	103	90	110			
Sulfate	10.35	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				**Batch ID: R40134**		**Analysis Date: 7/30/2010 12:47:41 PM**			
Chloride	4.686	mg/L	0.50	5	0	93.7	90	110			
Nitrogen, Nitrite (As N)	0.9677	mg/L	0.10	1	0	96.8	90	110			
Nitrogen, Nitrate (As N)	2.341	mg/L	0.10	2.5	0	93.6	90	110			
Phosphorus, Orthophosphate (As P)	4.701	mg/L	0.50	5	0	94.0	90	110			
Sulfate	9.580	mg/L	0.50	10	0	95.8	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b10		*MBLK*									
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
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								

Batch ID: **R40131** Analysis Date: 7/30/2010 2:47:13 PM

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b10		*MBLK*									
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b19		*MBLK*									
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Batch ID: R40131 **Analysis Date:** 7/30/2010 2:47:13 PM

Batch ID: R40131 **Analysis Date:** 7/31/2010 3:24:11 AM

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b19		*MBLK*									
				Batch ID: **R40131**				Analysis Date:	7/31/2010 3:24:11 AM		
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*									
				Batch ID: **R40131**				Analysis Date:	7/30/2010 4:21:45 PM		

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R40131**	Analysis Date:	7/30/2010 4:21:45 PM		
Benzene	19.90	µg/L	1.0	20	0	99.5	82.4	116			
Toluene	21.86	µg/L	1.0	20	0	109	89.5	123			
Chlorobenzene	20.83	µg/L	1.0	20	0	104	87.8	120			
1,1-Dichloroethene	26.00	µg/L	1.0	20	0	130	90.3	138			
Trichloroethene (TCE)	17.49	µg/L	1.0	20	0	87.5	64	129			
Sample ID: 100ng lcs_b		*LCS*				Batch ID:	**R40131**	Analysis Date:	7/31/2010 4:19:13 AM		
Benzene	19.53	µg/L	1.0	20	0	97.6	82.4	116			
Toluene	22.33	µg/L	1.0	20	0	112	89.5	123			
Chlorobenzene	20.68	µg/L	1.0	20	0	103	87.8	120			
1,1-Dichloroethene	25.62	µg/L	1.0	20	0	128	90.3	138			
Trichloroethene (TCE)	17.77	µg/L	1.0	20	0	88.9	64	129			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23204		*MBLK*				**Batch ID: 23204**		**Analysis Date: 8/3/2010 10:52:43 AM**			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23204		*MBLK*				**Batch ID: 23204**		**Analysis Date:**		**8/3/2010 10:52:43 AM**	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	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-23204		*LCS*				**Batch ID: 23204**		**Analysis Date:**		**8/3/2010 11:22:32 AM**	
Acenaphthene	62.18	µg/L	10	100	0	62.2	29.3	113			
4-Chloro-3-methylphenol	164.5	µg/L	10	200	0	82.2	23.3	123			
2-Chlorophenol	117.3	µg/L	10	200	0	58.7	23.9	112			
1,4-Dichlorobenzene	57.84	µg/L	10	100	0	57.8	16.5	106			
2,4-Dinitrotoluene	67.32	µg/L	10	100	0	67.3	27.7	126			
N-Nitrosodi-n-propylamine	66.32	µg/L	10	100	0	66.3	25.9	113			
4-Nitrophenol	53.52	µg/L	10	200	0	26.8	13.2	76.7			
Pentachlorophenol	129.5	µg/L	20	200	0	64.8	22.4	121			
Phenol	71.54	µg/L	10	200	0	35.8	15.3	68.3			
Pyrene	78.84	µg/L	10	100	0	78.8	23.5	119			
1,2,4-Trichlorobenzene	67.38	µg/L	10	100	0	67.4	23	107			
Sample ID: lcsd-23204		*LCSD*				**Batch ID: 23204**		**Analysis Date:**		**8/3/2010 11:52:27 AM**	
Acenaphthene	60.88	µg/L	10	100	0	60.9	29.3	113	2.11	30.5	
4-Chloro-3-methylphenol	132.5	µg/L	10	200	0	66.3	23.3	123	21.5	28.6	
2-Chlorophenol	97.28	µg/L	10	200	0	48.6	23.9	112	18.7	107	
1,4-Dichlorobenzene	52.96	µg/L	10	100	0	53.0	16.5	106	8.81	62.1	
2,4-Dinitrotoluene	68.70	µg/L	10	100	0	68.7	27.7	126	2.03	14.7	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23204		*LCSD*				**Batch ID: 23204**		**Analysis Date:**		**8/3/2010 11:52:27 AM**	
N-Nitrosodi-n-propylamine	61.42	µg/L	10	100	0	61.4	25.9	113	7.67	30.3	
4-Nitrophenol	56.78	µg/L	10	200	0	28.4	13.2	76.7	5.91	36.3	
Pentachlorophenol	109.1	µg/L	20	200	0	54.6	22.4	121	17.1	49	
Phenol	69.40	µg/L	10	200	0	34.7	15.3	68.3	3.04	52.4	
Pyrene	64.96	µg/L	10	100	0	65.0	23.5	119	19.3	16.3	R
1,2,4-Trichlorobenzene	53.10	µg/L	10	100	0	53.1	23	107	23.7	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-23244		*MBLK*				**Batch ID: 23244**		**Analysis Date:**		**8/3/2010 5:51:32 PM**	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23244		*LCS*				**Batch ID: 23244**		**Analysis Date:**		**8/3/2010 5:53:19 PM**	
Mercury	0.005037	mg/L	0.00020	0.005	3E-05	100	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				Batch ID:	R40153	Analysis Date:	8/2/2010 10:47:27 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				Batch ID:	R40153	Analysis Date:	8/2/2010 11:08:27 AM		
Arsenic	0.5157	mg/L	0.020	0.5	0	103	80	120			
Barium	0.4815	mg/L	0.020	0.5	0	96.3	80	120			
Cadmium	0.4925	mg/L	0.0020	0.5	0	98.5	80	120			
Calcium	54.46	mg/L	1.0	50.5	0	108	80	120			
Chromium	0.4882	mg/L	0.0060	0.5	0	97.6	80	120			
Copper	0.5015	mg/L	0.0060	0.5	0	100	80	120			
Iron	0.4955	mg/L	0.020	0.5	0	99.1	80	120			
Lead	0.4927	mg/L	0.0050	0.5	0	98.5	80	120			
Magnesium	53.90	mg/L	1.0	50.5	0	107	80	120			
Manganese	0.4768	mg/L	0.0020	0.5	0	95.4	80	120			
Potassium	55.96	mg/L	1.0	55	0	102	80	120			
Selenium	0.4820	mg/L	0.050	0.5	0	96.4	80	120			
Silver	0.4936	mg/L	0.0050	0.5	0	98.7	80	120			
Sodium	56.82	mg/L	1.0	50.5	0	113	80	120			
Zinc	0.4950	mg/L	0.050	0.5	0	99.0	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A1[redacted]

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals,											
Sample ID: MB-23251		*MBLK*				Batch ID:	**23251**	Analysis Date:		8/4/2010 11:07:31 AM	
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23251		*LCS*				Batch ID:	**23251**	Analysis Date:		8/4/2010 11:10:40 AM	
Arsenic	0.5184	mg/L	0.020	0.5	0	104	80	120			
Barium	0.4883	mg/L	0.020	0.5	0	97.7	80	120			
Cadmium	0.5000	mg/L	0.0020	0.5	0	100	80	120			
Chromium	0.5032	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5429	mg/L	0.0060	0.5	0.001	108	80	120			
Iron	0.5122	mg/L	0.050	0.5	0	102	80	120			
Lead	0.4972	mg/L	0.0050	0.5	0	99.4	80	120			
Manganese	0.4864	mg/L	0.0020	0.5	0	97.3	80	120			
Selenium	0.5057	mg/L	0.050	0.5	0	101	80	120			
Silver	0.5147	mg/L	0.0050	0.5	0	103	80	120			
Zinc	0.4848	mg/L	0.020	0.5	0	97.0	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU — Date Received: 7/29/2010

Work Order Number 1007A15 — Received by: TLS

Checklist completed by: _____ 7/29/10 — Sample ID labels checked by: _____

Signature — Date — Initials

Matrix: — Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	-0.9°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: ||

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: 2010 Annual

Project #: OW-11, PW-4

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: -1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1007995
7/28/10	1028	H_2O	OW-11			1
/		/	Trip Blank			2
/		/	Field Blank			3
7/28/10	1429	H_2O	PW-4			4

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss	6 ion Chem	Nitrates, Cyanide	Air Bubbles (Y or N)
									X	X	X	X	X		
									X	X	X	X		X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/28/10	1510			7/29/10	9:00
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.

OW-12

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, August 04, 2010

Thurman B. Larsen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0258
FAX (505) 722-0210

RE: OW-12

Order No.: 1007912

Dear Thurman B. Larsen:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 7/26/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

for Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-12
Lab Order:	1007912	**Collection Date:**	7/22/2010 10:16:00 AM
Project:	OW-12	**Date Received:**	7/26/2010
Lab ID:	1007912-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	7/30/2010 5:18:28 PM
Benzene	ND	1.0		µg/L	1	7/30/2010 5:18:28 PM
Toluene	ND	1.0		µg/L	1	7/30/2010 5:18:28 PM
Ethylbenzene	ND	1.0		µg/L	1	7/30/2010 5:18:28 PM
Xylenes, Total	ND	2.0		µg/L	1	7/30/2010 5:18:28 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/30/2010 5:18:28 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/30/2010 5:18:28 PM
Surr: 4-Bromofluorobenzene	98.5	65.9-130		%REC	1	7/30/2010 5:18:28 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
NC	Non-Chlorinated
PQL	Practical Quantitation Limit
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OW-12 **Work Order:** 1007912

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles											
Sample ID: 1007912-01A MSD		*MSD*				Batch ID:	**R40133**	Analysis Date:		7/30/2010 7:20:06 PM	
Methyl tert-butyl ether (MTBE)	17.77	µg/L	2.5	20	0	88.8	51.2	138	0.655	28	
Benzene	18.66	µg/L	1.0	20	0	93.3	85.9	113	4.72	27	
Toluene	18.39	µg/L	1.0	20	0	92.0	86.4	113	8.52	19	
Ethylbenzene	18.01	µg/L	1.0	20	0	90.1	83.5	118	8.27	10	
Xylenes, Total	55.04	µg/L	2.0	60	0	91.7	83.4	122	6.29	13	
1,2,4-Trimethylbenzene	17.89	µg/L	1.0	20	0.17	88.6	83.5	115	2.27	21	
1,3,5-Trimethylbenzene	19.21	µg/L	1.0	20	0	96.1	85.2	113	0.922	10	
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R40133**	Analysis Date:		7/30/2010 9:20:23 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5								
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	2.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
Sample ID: 100NG BTEX LCS		*LCS*				Batch ID:	**R40133**	Analysis Date:		7/30/2010 7:50:21 PM	
Methyl tert-butyl ether (MTBE)	17.59	µg/L	2.5	20	0	87.9	82.5	129			
Benzene	18.83	µg/L	1.0	20	0	94.2	87.9	121			
Toluene	18.38	µg/L	1.0	20	0	91.9	83	124			
Ethylbenzene	18.23	µg/L	1.0	20	0	91.2	81.7	122			
Xylenes, Total	55.63	µg/L	2.0	60	0	92.7	85.6	121			
1,2,4-Trimethylbenzene	18.70	µg/L	1.0	20	0.196	92.5	85.7	112			
1,3,5-Trimethylbenzene	19.79	µg/L	1.0	20	0.122	98.4	90.5	120			
Sample ID: 1007912-01A MS		*MS*				Batch ID:	**R40133**	Analysis Date:		7/30/2010 6:49:28 PM	
Methyl tert-butyl ether (MTBE)	17.65	µg/L	2.5	20	0	88.3	51.2	138			
Benzene	19.56	µg/L	1.0	20	0	97.8	85.9	113			
Toluene	20.03	µg/L	1.0	20	0	100	86.4	113			
Ethylbenzene	19.56	µg/L	1.0	20	0	97.8	83.5	118			
Xylenes, Total	58.62	µg/L	2.0	60	0	97.7	83.4	122			
1,2,4-Trimethylbenzene	18.30	µg/L	1.0	20	0.17	90.6	83.5	115			
1,3,5-Trimethylbenzene	19.39	µg/L	1.0	20	0	96.9	85.2	113			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **7/26/2010**

Work Order Number **1007912** Received by: **AT**

Checklist completed by: Ashley M Gallegos (Signature) 7/26/10 (Date) Sample ID labels checked by: AT | AG (Initials)

Matrix: Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**4.4°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-Custody Record

Client: WESTERN - Refining
Gallup Refinery
Mailing Address: RT 3 Box 9
Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: OW-12
Project #:
Project Manager: Thurman Larsen
Sampler: C. 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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1006918	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)	8021B + MTBE				Air Bubbles (Y or N)
072210	1016	H2O	OW-12	40ML-4	HCL	-1												X				

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
072610	0111			7/26/10	1115
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.

SMW-4

Post Closure

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, March 09, 2010

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0227
FAX (505) 722-0210

RE: Post Closure Monitoring

Order No.: 1003061

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 3/3/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

P-WNE

Hall Environmental Analysis Laboratory, Inc. **Date:** *09-Mar-10*

CLIENT: Western Refining Southwest, Gallup
Project: Post Closure Monitoring
Lab Order: 1003061

CASE NARRATIVE

Acetone was detected in the trip blanks, and not the actual samples. This is likely contamination from the laboratory.

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW1-000-2-10
Lab Order:	1003061	**Collection Date:**	3/1/2010 11:15:00 AM
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2010 1:37:19 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2010 1:37:19 PM
Surr: DNOP	116	58-140		%REC	1	3/4/2010 1:37:19 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 1:33:35 AM
Surr: BFB	95.7	55.2-107		%REC	1	3/5/2010 1:33:35 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:29:25 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	ND	0.020		mg/L	1	3/5/2010 11:38:56 AM
Beryllium	ND	0.0030		mg/L	1	3/5/2010 11:38:56 AM
Cadmium	ND	0.0020		mg/L	1	3/5/2010 11:38:56 AM
Chromium	ND	0.0060		mg/L	1	3/5/2010 11:38:56 AM
Cobalt	ND	0.0060		mg/L	1	3/5/2010 11:38:56 AM
Lead	ND	0.0050		mg/L	1	3/5/2010 11:38:56 AM
Nickel	ND	0.010		mg/L	1	3/5/2010 11:38:56 AM
Silver	ND	0.0050		mg/L	1	3/5/2010 11:38:56 AM
Vanadium	ND	0.050		mg/L	1	3/5/2010 11:38:56 AM
Zinc	ND	0.020		mg/L	1	3/5/2010 11:38:56 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW1-000-2-10-B
Lab Order:	1003061	**Collection Date:**	
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 2:34:12 AM
Surr: BFB	89.5	55.2-107		%REC	1	3/5/2010 2:34:12 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW2-000-2-10
Lab Order:	1003061	**Collection Date:**	3/1/2010 2:11:00 PM
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2010 2:13:17 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2010 2:13:17 PM
Surr: DNOP	105	58-140		%REC	1	3/4/2010 2:13:17 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 3:04:33 AM
Surr: BFB	92.6	55.2-107		%REC	1	3/5/2010 3:04:33 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:31:16 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	ND	0.020		mg/L	1	3/5/2010 12:08:11 PM
Beryllium	ND	0.0030		mg/L	1	3/5/2010 12:08:11 PM
Cadmium	ND	0.0020		mg/L	1	3/5/2010 12:08:11 PM
Chromium	ND	0.0060		mg/L	1	3/5/2010 12:08:11 PM
Cobalt	ND	0.0060		mg/L	1	3/5/2010 12:08:11 PM
Lead	ND	0.0050		mg/L	1	3/5/2010 12:08:11 PM
Nickel	ND	0.010		mg/L	1	3/5/2010 12:08:11 PM
Silver	ND	0.0050		mg/L	1	3/5/2010 12:08:11 PM
Vanadium	ND	0.050		mg/L	1	3/5/2010 12:08:11 PM
Zinc	ND	0.020		mg/L	1	3/5/2010 12:08:11 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW4-000-2-10
Lab Order:	1003061	**Collection Date:**	3/2/2010 10:47:00 AM
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2010 2:49:13 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2010 2:49:13 PM
Surr: DNOP	106	58-140		%REC	1	3/4/2010 2:49:13 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 3:34:48 AM
Surr: BFB	88.7	55.2-107		%REC	1	3/5/2010 3:34:48 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:33:07 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	0.023	0.020		mg/L	1	3/5/2010 12:14:59 PM
Beryllium	ND	0.0030		mg/L	1	3/5/2010 12:14:59 PM
Cadmium	ND	0.0020		mg/L	1	3/5/2010 12:14:59 PM
Chromium	ND	0.0060		mg/L	1	3/5/2010 12:14:59 PM
Cobalt	ND	0.0060		mg/L	1	3/5/2010 12:14:59 PM
Lead	ND	0.0050		mg/L	1	3/5/2010 12:14:59 PM
Nickel	ND	0.010		mg/L	1	3/5/2010 12:14:59 PM
Silver	ND	0.0050		mg/L	1	3/5/2010 12:14:59 PM
Vanadium	ND	0.050		mg/L	1	3/5/2010 12:14:59 PM
Zinc	ND	0.020		mg/L	1	3/5/2010 12:14:59 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW5-000-2-10
Lab Order:	1003061	**Collection Date:**	3/1/2010 4:19:00 PM
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2010 3:25:26 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2010 3:25:26 PM
Surr: DNOP	106	58-140		%REC	1	3/4/2010 3:25:26 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 4:04:58 AM
Surr: BFB	95.9	55.2-107		%REC	1	3/5/2010 4:04:58 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:34:51 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	0.024	0.020		mg/L	1	3/5/2010 12:23:27 PM
Beryllium	ND	0.0030		mg/L	1	3/5/2010 12:23:27 PM
Cadmium	ND	0.0020		mg/L	1	3/5/2010 12:23:27 PM
Chromium	ND	0.0060		mg/L	1	3/5/2010 12:23:27 PM
Cobalt	ND	0.0060		mg/L	1	3/5/2010 12:23:27 PM
Lead	ND	0.0050		mg/L	1	3/5/2010 12:23:27 PM
Nickel	ND	0.010		mg/L	1	3/5/2010 12:23:27 PM
Silver	ND	0.0050		mg/L	1	3/5/2010 12:23:27 PM
Vanadium	ND	0.050		mg/L	1	3/5/2010 12:23:27 PM
Zinc	ND	0.020		mg/L	1	3/5/2010 12:23:27 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *09-Mar-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW4-000-2-10
Lab Order:	1003061	**Collection Date:**	3/1/2010 12:03:00 PM
Project:	Post Closure Monitoring	**Date Received:**	3/3/2010
Lab ID:	1003061-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **JB**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2010 4:01:24 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2010 4:01:24 PM
Surr: DNOP	122	58-140		%REC	1	3/4/2010 4:01:24 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2010 4:35:08 AM
Surr: BFB	86.6	55.2-107		%REC	1	3/5/2010 4:35:08 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/8/2010 2:36:36 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	0.035	0.020		mg/L	1	3/5/2010 12:30:18 PM
Beryllium	ND	0.0030		mg/L	1	3/5/2010 12:30:18 PM
Cadmium	ND	0.0020		mg/L	1	3/5/2010 12:30:18 PM
Chromium	0.0082	0.0060		mg/L	1	3/5/2010 12:30:18 PM
Cobalt	0.026	0.0060		mg/L	1	3/5/2010 12:30:18 PM
Lead	ND	0.0050		mg/L	1	3/5/2010 12:30:18 PM
Nickel	ND	0.010		mg/L	1	3/5/2010 12:30:18 PM
Silver	ND	0.0050		mg/L	1	3/5/2010 12:30:18 PM
Vanadium	ND	0.050		mg/L	1	3/5/2010 12:30:18 PM
Zinc	ND	0.020		mg/L	1	3/5/2010 12:30:18 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-003	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01E / MW1-000-2-10	**Sampling Time**	11:15 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Arsenic	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-007	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03E / MW2-000-2-10	**Sampling Time**	2:11 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Arsenic	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-012	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05E / MW4-000-2-10	**Sampling Time**	10:47 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Arsenic	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-016	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06E / MW5-000-2-10	**Sampling Time**	4:19 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Arsenic	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-020	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07E / SMW4-000-2-10	**Sampling Time**	12:03 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Arsenic	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.005	3/9/2010	JTT	EPA 6020A	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-008	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03F / MW2-000-2-10	**Sampling Time**	2:11 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	3/9/2010	KME	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-013	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05F / MW4-000-2-10	**Sampling Time**	10:47 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	3/9/2010	KME	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-017	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06F / MW5-000-2-10	**Sampling Time**	4:19 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	3/9/2010	KME	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-021	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010 11:00 AM
Client Sample ID	1003061-07F / SMW4-000-2-10	**Sampling Time**	12:03 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	3/9/2010	KME	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL *Practical Quantitation Limit*

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number 100304013-001 **Sampling Date** 3/1/2010 **Date/Time Received** 3/4/2010 11:00 AM
Client Sample ID 1003061-01B / MW1-000-2-10 **Sampling Time** 11:15 AM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-001	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01B / MW1-000-2-10	**Sampling Time**	11:15 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-001

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	98.8	70-130
4-Bromofluorobenzene	EPA 8260B	98.0	70-130
Toluene-d8	EPA 8260B	99.2	70-130

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-005	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03B / MW2-000-2-10	**Sampling Time**	2:11 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	2.73	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-005	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03B / MW2-000-2-10	**Sampling Time**	2:11 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-005

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	98.4	70-130
4-Bromofluorobenzene	EPA 8260B	98.4	70-130
Toluene-d8	EPA 8260B	99.2	70-130

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-009	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010 11:00 AM
Client Sample ID	1003061-04B / MW5000-2-10-B	**Sampling Time**			
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	3.36	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-009	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-04B / MW5000-2-10-B	**Sampling Time**				
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-009

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	97.6	70-130
4-Bromofluorobenzene	EPA 8260B	98.0	70-130
Toluene-d8	EPA 8260B	100.0	70-130

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-010	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010 11:00 AM
Client Sample ID	1003061-05B / MW4-000-2-10	**Sampling Time**	10:47 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-010	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	*1003061-05B / MW4-000-2-10*	***Sampling Time***	10:47 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-010

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	98.4	70-130
4-Bromofluorobenzene	EPA 8260B	98.0	70-130
Toluene-d8	EPA 8260B	99.6	70-130

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number 100304013-014 **Sampling Date** 3/1/2010 **Date/Time Received** 3/4/2010 11:00 AM
Client Sample ID 1003061-06B / MW5-000-2-10 **Sampling Time** 4:19 PM
Matrix Water
Comments

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-014	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010 11:00 AM
Client Sample ID	1003061-06B / MW5-000-2-10	**Sampling Time**	4:19 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-014

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	97.2	70-130
4-Bromofluorobenzene	EPA 8260B	98.0	70-130
Toluene-d8	EPA 8260B	99.6	70-130

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-018	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07B / SMW4-000-2-10	**Sampling Time**	12:03 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	3/5/2010	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-018	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07B / SMW4-000-2-10	**Sampling Time**	12:03 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	3/5/2010	CAS	EPA 8260B	

Surrogate Data

Sample Number 100304013-018

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	98.4	70-130
4-Bromofluorobenzene	EPA 8260B	98.4	70-130
Toluene-d8	EPA 8260B	99.2	70-130

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Diphenyl hydrazine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3,5-TNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-DNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Naphthoquinone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,5-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,6-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,6-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Acetylaminofluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chloronaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Picoline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3'-Dichlorobenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3-Dimethylbenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Methylcholanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Aminobiphenyl	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Bromophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chloro-3-methylphenol	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
4-Chloroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
4-Chlorophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
5-Nitro-o-toluidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
a,a-Dimethylphenethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acetonphenone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aramite	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo(ghi)perylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-Chloroethyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Carbazole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chlorobenzilate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Diallate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Dibenzofuran	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethoate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
diphenylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Disulfoton	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Hexachlorobenzene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Hexachlorobutadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorocyclopentadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloropropene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachorophene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Isodrin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isophorone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isosafrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Kepone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methapyrilene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrosodimethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-nitrosodibutylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiphenylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	

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Address: 4901 HAWKINS NE SUITE D
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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
n-Nitrosomethylethylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
n-Nitrosomorpholine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopiperadine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopyrrolidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o-Toluidine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloronitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenacetin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phorate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
p-Phenylenediamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pronamide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Safrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Sulfotep	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-002	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01C / MW1-000-2-10	**Sampling Time**	11:15 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Thionazin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dioxane	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100304013-002

Surrogate Standard	*Method*	*Percent Recovery*	*Control Limits*
2,4,6-Tribromophenol	EPA 8270C	75.9	10-123
2-Fluorobiphenyl	EPA 8270C	96.6	19-130
2-Fluorophenol	EPA 8270C	80.4	21-110
Nitrobenzene-d5	EPA 8270C	107.1	25-130
Phenol-d5	EPA 8270C	96.4	10-125
Terphenyl-d14	EPA 8270C	106.8	33-141

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Diphenyl hydrazine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3,5-TNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-DNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Naphthoquinone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,5-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,6-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,6-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Acetylaminofluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chloronaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Picoline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3'-Dichlorobenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3-Dimethylbenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Methylcholanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Aminobiphenyl	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Bromophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chloro-3-methylphenol	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
4-Chloroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chlorophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
4-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
5-Nitro-o-toluidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
a,a-Dimethylphenethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acetonphenone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aramite	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo(ghi)perylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Carbazole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chlorobenzilate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Diallate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Dibenzofuran	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethoate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
diphenylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Disulfoton	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorobenzene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Hexachlorobutadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorocyclopentadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloropropene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachorophene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Isodrin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isophorone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isosafrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Kepone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methapyrilene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrosodimethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-nitrosodibutylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiphenylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
n-Nitrosomethylethylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
n-Nitrosomorpholine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopiperadine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopyrrolidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o-Toluidine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloronitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenacetin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phorate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
p-Phenylenediamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pronamide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Safrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Sulfotep	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Thionazin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-006	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-03C / MW2-000-2-10	**Sampling Time**	2:11 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,4-Dioxane	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100304013-006

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	82.2	10-123
2-Fluorobiphenyl	EPA 8270C	90.9	19-130
2-Fluorophenol	EPA 8270C	84.4	21-110
Nitrobenzene-d5	EPA 8270C	102.2	25-130
Phenol-d5	EPA 8270C	98.9	10-125
Terphenyl-d14	EPA 8270C	101.4	33-141

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010 11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Diphenyl hydrazine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3,5-TNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-DNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Naphthoquinone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,5-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,6-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,6-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Acetylaminofluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chloronaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Picoline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3'-Dichlorobenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3-Dimethylbenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Methylcholanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Aminobiphenyl	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Bromophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chloro-3-methylphenol	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
4-Chloroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chlorophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
4-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
5-Nitro-o-toluidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
a,a-Dimethylphenethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acetonphenone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aramite	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo(ghi)perylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Carbazole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chlorobenzilate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Diallate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Dibenzofuran	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethoate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
diphenylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Disulfoton	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorobenzene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Hexachlorobutadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorocyclopentadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloropropene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachorophene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Isodrin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isophorone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isosafrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Kepone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methapyrilene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrosodimethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-nitrosodibutylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiphenylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
n-Nitrosomethylethylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
n-Nitrosomorpholine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopiperadine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopyrrolidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o-Toluidine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloronitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenacetin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phorate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
p-Phenylenediamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pronamide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Safrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Sulfotep	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Thionazin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-011	**Sampling Date**	3/2/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-05C / MW4-000-2-10	**Sampling Time**	10:47 AM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,4-Dioxane	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100304013-011

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	78.5	10-123
2-Fluorobiphenyl	EPA 8270C	88.7	19-130
2-Fluorophenol	EPA 8270C	82.5	21-110
Nitrobenzene-d5	EPA 8270C	102.6	25-130
Phenol-d5	EPA 8270C	96.2	10-125
Terphenyl-d14	EPA 8270C	98.8	33-141

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Diphenyl hydrazine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3,5-TNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-DNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Naphthoquinone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,5-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,6-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,6-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Acetylaminofluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chloronaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Picoline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3'-Dichlorobenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3-Dimethylbenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Methylcholanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Aminobiphenyl	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Bromophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chloro-3-methylphenol	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
4-Chloroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chlorophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010 11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
4-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
5-Nitro-o-toluidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
a,a-Dimethylphenethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acetonphenone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aramite	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo(ghi)perylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Carbazole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chlorobenzilate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Diallate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Dibenzofuran	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethoate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
diphenylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Disulfoton	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorobenzene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	

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Address: 4901 HAWKINS NE SUITE D
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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010 11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Hexachlorobutadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorocyclopentadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloropropene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachorophene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Isodrin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isophorone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isosafrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Kepone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methapyrilene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrosodimethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-nitrosodibutylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiphenylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
n-Nitrosomethylethylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
n-Nitrosomorpholine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopiperadine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopyrrolidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o-Toluidine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloronitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenacetin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phorate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
p-Phenylenediamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pronamide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Safrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Sulfotep	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Thionazin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1003061
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-015	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-06C / MW5-000-2-10	**Sampling Time**	4:19 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,4-Dioxane	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100304013-015

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	77.7	10-123
2-Fluorobiphenyl	EPA 8270C	90.3	19-130
2-Fluorophenol	EPA 8270C	82.7	21-110
Nitrobenzene-d5	EPA 8270C	103.4	25-130
Phenol-d5	EPA 8270C	97.8	10-125
Terphenyl-d14	EPA 8270C	99.2	33-141

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2,4-Trichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,2-Diphenyl hydrazine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3,5-TNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,3-DNB	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1,4-Naphthoquinone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
1-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,5-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2,6-Dichlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
2,6-Dinitrotoluene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Acetylaminofluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chloronaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Naphthylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
2-Picoline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3'-Dichlorobenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3,3-Dimethylbenzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Methylcholanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
3-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Aminobiphenyl	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Bromophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chloro-3-methylphenol	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
4-Chloroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Chlorophenyl-phenylether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
4-Nitroaniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
5-Nitro-o-toluidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
a,a-Dimethylphenethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acenaphthylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Acetonphenone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aniline	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Aramite	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo(ghi)perylene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Chloroethyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Address: 4901 HAWKINS NE SUITE D
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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Carbazole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chlorobenzilate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Diallate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Dibenzofuran	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethoate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
diphenylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Disulfoton	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Ethyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorobenzene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Hexachlorobutadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachlorocyclopentadiene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachloropropene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Hexachorophene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/9/2010	EMP	EPA 8270C	
Isodrin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isophorone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Isosafrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Kepone	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methapyrilene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl methanesulfonate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Methyl parathion	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Nitrosodimethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-nitrosodibutylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiethylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosodiphenylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
n-Nitrosomethylethylamine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	

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Project Name: 1003061

Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
n-Nitrosomorpholine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopiperadine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
n-Nitrosopyrrolidine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
o-Toluidine	ND	ug/L	2	3/9/2010	EMP	EPA 8270C	
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloroethane	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachloronitrobenzene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pentachlorophenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenacetin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Phorate	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
p-Phenylenediamine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pronamide	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Safrole	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Sulfotep	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	
Thionazin	ND	ug/L	10	3/9/2010	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Sample Number	100304013-019	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-07C / SMW4-000-2-10	**Sampling Time**	12:03 PM	**Extraction Date**	3/8/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,4-Dioxane	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	1	3/9/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	5	3/9/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100304013-019

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	83.0	10-123
2-Fluorobiphenyl	EPA 8270C	90.9	19-130
2-Fluorophenol	EPA 8270C	86.1	21-110
Nitrobenzene-d5	EPA 8270C	104.5	25-130
Phenol-d5	EPA 8270C	99.4	10-125
Terphenyl-d14	EPA 8270C	103.2	33-141

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Post Closure Monitoring **Work Order:** 1003061

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-21542		*MBLK*				Batch ID:	**21542**	Analysis Date:		3/4/2010 11:49:12 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-21542		*LCS*				Batch ID:	**21542**	Analysis Date:		3/4/2010 12:25:25 PM	
Diesel Range Organics (DRO)	4.747	mg/L	1.0	5	0	94.9	74	157			
Sample ID: LCSD-21542		*LCSD*				Batch ID:	**21542**	Analysis Date:		3/4/2010 1:01:23 PM	
Diesel Range Organics (DRO)	5.110	mg/L	1.0	5	0	102	74	157	7.37	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R37630**	Analysis Date:		3/4/2010 9:20:28 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R37630**	Analysis Date:		3/4/2010 6:59:28 PM	
Gasoline Range Organics (GRO)	0.4664	mg/L	0.050	0.5	0	93.3	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R37630**	Analysis Date:		3/4/2010 7:29:51 PM	
Gasoline Range Organics (GRO)	0.4900	mg/L	0.050	0.5	0	98.0	80	115	4.94	8.39	
Method: EPA Method 7470: Mercury											
Sample ID: MB-21570		*MBLK*				Batch ID:	**21570**	Analysis Date:		3/8/2010 2:23:58 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-21570		*LCS*				Batch ID:	**21570**	Analysis Date:		3/8/2010 2:25:48 PM	
Mercury	0.005045	mg/L	0.00020	0.005	3E-05	100	80	120			
Sample ID: LCS-21570		*LCS*				Batch ID:	**21570**	Analysis Date:		3/8/2010 2:27:40 PM	
Mercury	0.005116	mg/L	0.00020	0.005	3E-05	102	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

lient: Western Refining Southwest, Gallup
r : Post Closure Monitoring **Work Order:** 1003061

nalyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ethod: EPA 6010B: Total Recoverable Metals											
ample ID: MB-21552		*MBLK*				Batch ID:	**21552**	Analysis Date:	3/5/2010 11:20:46 AM		
arium	ND	mg/L	0.020								
eryllium	ND	mg/L	0.0030								
admium	ND	mg/L	0.0020								
hromium	ND	mg/L	0.0060								
obalt	ND	mg/L	0.0060								
ead	ND	mg/L	0.0050								
ickel	ND	mg/L	0.010								
ilver	ND	mg/L	0.0050								
anadium	ND	mg/L	0.050								
inc	ND	mg/L	0.020								
ample ID: LCS-21552		*LCS*				Batch ID:	**21552**	Analysis Date:	3/5/2010 11:23:36 AM		
arium	0.4676	mg/L	0.020	0.5	0	93.5	80	120			
eryllium	0.5075	mg/L	0.0030	0.5	0	102	80	120			
admium	0.4811	mg/L	0.0020	0.5	0	96.2	80	120			
hromium	0.4860	mg/L	0.0060	0.5	0	97.2	80	120			
obalt	0.4824	mg/L	0.0060	0.5	0	96.5	80	120			
ead	0.4679	mg/L	0.0050	0.5	0	93.6	80	120			
ickel	0.4569	mg/L	0.010	0.5	0	91.4	80	120			
ilver	0.4849	mg/L	0.0050	0.5	0.0017	96.6	80	120			
a um	0.5020	mg/L	0.050	0.5	0	100	80	120			
inc	0.4501	mg/L	0.020	0.5	0	90.0	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Cyanide	0.506	mg/L	0.5	101.2	80-120	3/9/2010	3/9/2010

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
100304013-021	Cyanide	ND	0.497	mg/L	0.5	99.4	70-130	3/9/2010	3/9/2010

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Cyanide	0.509	mg/L	0.5	101.8	2.4	0-25	3/9/2010	3/9/2010

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Cyanide	ND	mg/L	0.01	3/9/2010	3/9/2010

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Tuesday, March 09, 2010

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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Selenium	0.0491	mg/L	0.05	98.2	80-120	3/8/2010	3/9/2010
Arsenic	0.0497	mg/L	0.05	99.4	80-120	3/8/2010	3/9/2010
Antimony	0.0582	mg/L	0.05	116.4	80-120	3/8/2010	3/9/2010

Lab Control Sample Duplicate

Parameter	LCSD Result	Units	LCSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Selenium	0.0494	mg/L	0.05	98.8	0.6	0-20	3/8/2010	3/9/2010
Arsenic	0.0499	mg/L	0.05	99.8	0.4	0-20	3/8/2010	3/9/2010
Antimony	0.0576	mg/L	0.05	115.2	1.0	0-20	3/8/2010	3/9/2010

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
100305032-001A	Selenium	0.0218	0.0680	mg/L	0.05	92.4	75-125	3/8/2010	3/9/2010
100305032-001A	Arsenic	ND	0.0535	mg/L	0.05	107.0	75-125	3/8/2010	3/9/2010
100305032-001A	Antimony	ND	0.0588	mg/L	0.05	117.6	75-125	3/8/2010	3/9/2010

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Selenium	0.0710	mg/L	0.05	98.4	4.3	0-20	3/8/2010	3/9/2010
Arsenic	0.0534	mg/L	0.05	106.8	0.2	0-20	3/8/2010	3/9/2010
Antimony	0.0589	mg/L	0.05	117.8	0.2	0-20	3/8/2010	3/9/2010

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Antimony	ND	mg/L	0.001	3/8/2010	3/9/2010
Arsenic	ND	mg/L	0.001	3/8/2010	3/9/2010
Selenium	ND	mg/L	0.001	3/8/2010	3/9/2010

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100304013-004	**Sampling Date**	3/1/2010	**Date/Time Received**	3/4/2010	11:00 AM
Client Sample ID	1003061-01F / MW1-000-2-10	**Sampling Time**	11:15 AM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	3/9/2010	KME	EPA 335.4	

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Trichloroethene	4.89	ug/L	5	97.8	74-129	3/5/2010	3/5/2010
Toluene	4.75	ug/L	5	95.0	75-126	3/5/2010	3/5/2010
Tetrachloroethene	4.98	ug/L	5	99.6	71-127	3/5/2010	3/5/2010
o-Xylene	4.70	ug/L	5	94.0	81-121	3/5/2010	3/5/2010
Ethylbenzene	4.69	ug/L	5	93.8	77-123	3/5/2010	3/5/2010
Chlorobenzene	4.68	ug/L	5	93.6	79-119	3/5/2010	3/5/2010
Benzene	4.81	ug/L	5	96.2	76-127	3/5/2010	3/5/2010
1,1-Dichloroethene	5.00	ug/L	5	100.0	69-139	3/5/2010	3/5/2010

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
100304013-001	Trichloroethene	ND	11.6	ug/L	10	116.0	68-144	3/5/2010	3/5/2010
100304013-001	Toluene	ND	11.7	ug/L	10	117.0	64-145	3/5/2010	3/5/2010
100304013-001	Tetrachloroethene	ND	12.1	ug/L	10	121.0	62-143	3/5/2010	3/5/2010
100304013-001	o-Xylene	ND	11.1	ug/L	10	111.0	68-142	3/5/2010	3/5/2010
100304013-001	Ethylbenzene	ND	11.6	ug/L	10	116.0	76-133	3/5/2010	3/5/2010
100304013-001	Chlorobenzene	ND	11.1	ug/L	10	111.0	77-125	3/5/2010	3/5/2010
100304013-001	Benzene	ND	11.4	ug/L	10	114.0	73-137	3/5/2010	3/5/2010
100304013-001	1,1-Dichloroethene	ND	12.8	ug/L	10	128.0	70-154	3/5/2010	3/5/2010

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,1,1-Trichloroethane	ND	ug/L	0.5	3/5/2010	3/5/2010
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	3/5/2010	3/5/2010
1,1-Dichloroethane	ND	ug/L	0.5	3/5/2010	3/5/2010
1,1-Dichloroethene	ND	ug/L	0.5	3/5/2010	3/5/2010
1,2-Dibromoethane	ND	ug/L	0.5	3/5/2010	3/5/2010
1,2-Dichloroethane	ND	ug/L	0.5	3/5/2010	3/5/2010
Acetone	ND	ug/L	2.5	3/5/2010	3/5/2010
Benzene	ND	ug/L	0.5	3/5/2010	3/5/2010
Carbon disulfide	ND	ug/L	0.5	3/5/2010	3/5/2010
Chlorobenzene	ND	ug/L	0.5	3/5/2010	3/5/2010

Comments:

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Chloroform	ND	ug/L	0.5	3/5/2010	3/5/2010
Chloromethane	ND	ug/L	0.5	3/5/2010	3/5/2010
Ethylbenzene	ND	ug/L	0.5	3/5/2010	3/5/2010
m+p-Xylene	ND	ug/L	0.5	3/5/2010	3/5/2010
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	3/5/2010	3/5/2010
Methylene chloride	ND	ug/L	2.5	3/5/2010	3/5/2010
o-Xylene	ND	ug/L	0.5	3/5/2010	3/5/2010
Styrene	ND	ug/L	0.5	3/5/2010	3/5/2010
Tetrachloroethene	ND	ug/L	0.5	3/5/2010	3/5/2010
Toluene	ND	ug/L	0.5	3/5/2010	3/5/2010
trans-1,2-Dichloroethene	ND	ug/L	0.5	3/5/2010	3/5/2010
Trichloroethene	ND	ug/L	0.5	3/5/2010	3/5/2010

AR	Acceptable Range
ND	Not Detected
PQL	Practical Quantitation Limit
RPD	Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Pyrene	5.05	ug/L	5	101.0	45-138	3/8/2010	3/9/2010
Phenol	4.90	ug/L	5	98.0	45-134	3/8/2010	3/9/2010
Pentachlorophenol	3.83	ug/L	5	76.6	22-138	3/8/2010	3/9/2010
n-Nitroso-di-n-propylamine	5.70	ug/L	5	114.0	46-135	3/8/2010	3/9/2010
bis(2-Ethylhexyl)phthalate	4.92	ug/L	5	98.4	89-166	3/8/2010	3/9/2010
Acenaphthene	4.60	ug/L	5	92.0	36-122	3/8/2010	3/9/2010
4-Nitrophenol	5.01	ug/L	5	100.2	19-137	3/8/2010	3/9/2010
4-Chloro-3-methylphenol	4.70	ug/L	5	94.0	42-139	3/8/2010	3/9/2010
2-Chlorophenol	4.78	ug/L	5	95.6	50-131	3/8/2010	3/9/2010
2,4-Dinitrotoluene	5.51	ug/L	5	110.2	49-134	3/8/2010	3/9/2010
1,4-Dichlorobenzene	3.20	ug/L	5	64.0	13-96	3/8/2010	3/9/2010
1,2,4-Trichlorobenzene	3.22	ug/L	5	64.4	12-93	3/8/2010	3/9/2010

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
100303039-004C	Pyrene	ND	4.81	ug/L	5	96.2	45-138	3/8/2010	3/9/2010
100303039-004C	Phenol	ND	4.72	ug/L	5	94.4	45-134	3/8/2010	3/9/2010
100303039-004C	Pentachlorophenol	ND	4.32	ug/L	5	86.4	22-138	3/8/2010	3/9/2010
100303039-004C	n-Nitroso-di-n-propylamine	ND	5.50	ug/L	5	110.0	46-135	3/8/2010	3/9/2010
100303039-004C	bis(2-Ethylhexyl)phthalate	ND	4.67	ug/L	5	93.4	89-166	3/8/2010	3/9/2010
100303039-004C	Acenaphthene	ND	4.43	ug/L	5	88.6	36-122	3/8/2010	3/9/2010
100303039-004C	4-Nitrophenol	ND	4.90	ug/L	5	98.0	19-137	3/8/2010	3/9/2010
100303039-004C	4-Chloro-3-methylphenol	ND	4.84	ug/L	5	96.8	42-139	3/8/2010	3/9/2010
100303039-004C	2-Chlorophenol	ND	4.74	ug/L	5	94.8	50-131	3/8/2010	3/9/2010
100303039-004C	2,4-Dinitrotoluene	ND	5.40	ug/L	5	108.0	49-134	3/8/2010	3/9/2010
100303039-004C	1,4-Dichlorobenzene	ND	3.25	ug/L	5	65.0	13-96	3/8/2010	3/9/2010
100303039-004C	1,2,4-Trichlorobenzene	ND	3.11	ug/L	5	62.2	12-93	3/8/2010	3/9/2010

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Pyrene	4.92	ug/L	5	98.4	2.3	0-36	3/8/2010	3/9/2010
Phenol	4.86	ug/L	5	97.2	2.9	0-35	3/8/2010	3/9/2010

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Pentachlorophenol	4.15	ug/L	5	83.0	4.0	0-47	3/8/2010	3/9/2010
n-Nitroso-di-n-propylamine	5.65	ug/L	5	113.0	2.7	0-38	3/8/2010	3/9/2010
bis(2-Ethylhexyl)phthalate	4.70	ug/L	5	94.0	0.6	0-50	3/8/2010	3/9/2010
Acenaphthene	4.61	ug/L	5	92.2	4.0	0-23	3/8/2010	3/9/2010
4-Nitrophenol	4.85	ug/L	5	97.0	1.0	0-50	3/8/2010	3/9/2010
4-Chloro-3-methylphenol	4.86	ug/L	5	97.2	0.4	0-33	3/8/2010	3/9/2010
2-Chlorophenol	4.70	ug/L	5	94.0	0.8	0-50	3/8/2010	3/9/2010
2,4-Dinitrotoluene	5.67	ug/L	5	113.4	4.9	0-47	3/8/2010	3/9/2010
1,4-Dichlorobenzene	3.27	ug/L	5	65.4	0.6	0-27	3/8/2010	3/9/2010
1,2,4-Trichlorobenzene	3.16	ug/L	5	63.2	1.6	0-27	3/8/2010	3/9/2010

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
1,2,4,5-Tetrachlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
1,2,4-Trichlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
1,2-Dichlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
1,2-Diphenyl hydrazine	ND	ug/L	10	3/8/2010	3/9/2010
1,3,5-TNB	ND	ug/L	10	3/8/2010	3/9/2010
1,3-Dichlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
1,3-DNB	ND	ug/L	10	3/8/2010	3/9/2010
1,4-Dichlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
1,4-Dioxane	ND	ug/L	5	3/8/2010	3/9/2010
1,4-Naphthoquinone	ND	ug/L	10	3/8/2010	3/9/2010
1-Methylnaphthalene	ND	ug/L	10	3/8/2010	3/9/2010
1-Naphthylamine	ND	ug/L	10	3/8/2010	3/9/2010
2,2-Oxybis(1-chloropropane)	ND	ug/L	10	3/8/2010	3/9/2010
2,3,4,6-Tetrachlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,3,5,6-Tetrachlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4,5-Trichlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4,6-Trichlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4-Dichlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4-Dimethylphenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4-Dinitrophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,4-Dinitrotoluene	ND	ug/L	10	3/8/2010	3/9/2010
2,6-Dichlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2,6-Dinitrotoluene	ND	ug/L	10	3/8/2010	3/9/2010

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100304013
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1003061
Attn:	ANDY FREEMAN		

Analytical Results Report

Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
2-Acetylaminofluorene	ND	ug/L	10	3/8/2010	3/9/2010
2-Chloronaphthalene	ND	ug/L	10	3/8/2010	3/9/2010
2-Chlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
2-Methylnaphthalene	ND	ug/L	10	3/8/2010	3/9/2010
2-Methylphenol	ND	ug/L	10	3/8/2010	3/9/2010
2-Naphthylamine	ND	ug/L	10	3/8/2010	3/9/2010
2-Nitroaniline	ND	ug/L	10	3/8/2010	3/9/2010
2-Nitrophenol	ND	ug/L	10	3/8/2010	3/9/2010
2-Picoline	ND	ug/L	10	3/8/2010	3/9/2010
3,3'-Dichlorobenzidine	ND	ug/L	10	3/8/2010	3/9/2010
3,3-Dimethylbenzidine	ND	ug/L	10	3/8/2010	3/9/2010
3+4-Methylphenol	ND	ug/L	10	3/8/2010	3/9/2010
3-Methylcholanthrene	ND	ug/L	10	3/8/2010	3/9/2010
3-Nitroaniline	ND	ug/L	10	3/8/2010	3/9/2010
4,6-Dinitro-2-methylphenol	ND	ug/L	10	3/8/2010	3/9/2010
4-Aminobiphenyl	ND	ug/L	10	3/8/2010	3/9/2010
4-Bromophenyl-phenylether	ND	ug/L	10	3/8/2010	3/9/2010
4-Chloro-3-methylphenol	ND	ug/L	5	3/8/2010	3/9/2010
4-Chloroaniline	ND	ug/L	10	3/8/2010	3/9/2010
4-Chlorophenyl-phenylether	ND	ug/L	10	3/8/2010	3/9/2010
4-Nitroaniline	ND	ug/L	10	3/8/2010	3/9/2010
4-Nitrophenol	ND	ug/L	10	3/8/2010	3/9/2010
4-Nitroquinoline-1-oxide	ND	ug/L	10	3/8/2010	3/9/2010
5-Methylchrysene	ND	ug/L	1	3/8/2010	3/9/2010
5-Nitro-o-toluidine	ND	ug/L	10	3/8/2010	3/9/2010
6-Methylchrysene	ND	ug/L	1	3/8/2010	3/9/2010
7,12-Dimethylbenz(a)anthracene	ND	ug/L	10	3/8/2010	3/9/2010
a,a-Dimethylphenethylamine	ND	ug/L	10	3/8/2010	3/9/2010
Acenaphthene	ND	ug/L	10	3/8/2010	3/9/2010
Acenaphthylene	ND	ug/L	10	3/8/2010	3/9/2010
Acetonphenone	ND	ug/L	10	3/8/2010	3/9/2010
Aniline	ND	ug/L	10	3/8/2010	3/9/2010
Anthracene	ND	ug/L	10	3/8/2010	3/9/2010
Aramite	ND	ug/L	10	3/8/2010	3/9/2010
Benzenethiole	ND	ug/L	5	3/8/2010	3/9/2010
Benzidine	ND	ug/L	10	3/8/2010	3/9/2010
Benzo(ghi)perylene	ND	ug/L	10	3/8/2010	3/9/2010

Comments:

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Benzo[a]anthracene	ND	ug/L	0.1	3/8/2010	3/9/2010
Benzo[a]pyrene	ND	ug/L	0.1	3/8/2010	3/9/2010
Benzo[b]fluoranthene	ND	ug/L	0.1	3/8/2010	3/9/2010
Benzo[k]fluoranthene	ND	ug/L	0.1	3/8/2010	3/9/2010
Benzyl alcohol	ND	ug/L	10	3/8/2010	3/9/2010
bis(2-Chloroethoxy)methane	ND	ug/L	10	3/8/2010	3/9/2010
bis(2-Chloroethyl)ether	ND	ug/L	10	3/8/2010	3/9/2010
bis(2-chloroisopropyl)ether	ND	ug/L	10	3/8/2010	3/9/2010
bis(2-Ethylhexyl)phthalate	ND	ug/L	5	3/8/2010	3/9/2010
Butylbenzylphthalate	ND	ug/L	10	3/8/2010	3/9/2010
Carbazole	ND	ug/L	10	3/8/2010	3/9/2010
Chlorobenzilate	ND	ug/L	10	3/8/2010	3/9/2010
Chrysene	ND	ug/L	0.1	3/8/2010	3/9/2010
Diallate	ND	ug/L	10	3/8/2010	3/9/2010
Dibenz(a,j)acridine	ND	ug/L	1	3/8/2010	3/9/2010
Dibenz[a,h]anthracene	ND	ug/L	0.1	3/8/2010	3/9/2010
Dibenzofuran	ND	ug/L	10	3/8/2010	3/9/2010
Diethylphthalate	ND	ug/L	10	3/8/2010	3/9/2010
Dimethoate	ND	ug/L	10	3/8/2010	3/9/2010
Dimethylphthalate	ND	ug/L	10	3/8/2010	3/9/2010
Di-n-butylphthalate	ND	ug/L	10	3/8/2010	3/9/2010
Di-n-octylphthalate	ND	ug/L	10	3/8/2010	3/9/2010
diphenylamine	ND	ug/L	10	3/8/2010	3/9/2010
Disulfoton	ND	ug/L	10	3/8/2010	3/9/2010
Ethyl methanesulfonate	ND	ug/L	10	3/8/2010	3/9/2010
Ethyl parathion	ND	ug/L	10	3/8/2010	3/9/2010
Fluoranthene	ND	ug/L	10	3/8/2010	3/9/2010
Fluorene	ND	ug/L	10	3/8/2010	3/9/2010
Hexachlorobenzene	ND	ug/L	1	3/8/2010	3/9/2010
Hexachlorobutadiene	ND	ug/L	10	3/8/2010	3/9/2010
Hexachlorocyclopentadiene	ND	ug/L	10	3/8/2010	3/9/2010
Hexachloroethane	ND	ug/L	10	3/8/2010	3/9/2010
Hexachloropropene	ND	ug/L	10	3/8/2010	3/9/2010
Hexachorophene	ND	ug/L	10	3/8/2010	3/9/2010
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	3/8/2010	3/9/2010
Isodrin	ND	ug/L	10	3/8/2010	3/9/2010
Isophorone	ND	ug/L	10	3/8/2010	3/9/2010

Comments:

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100304013
Project Name: 1003061

Analytical Results Report

Quality Control Data

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Isosafrole	ND	ug/L	10	3/8/2010	3/9/2010
Kepone	ND	ug/L	10	3/8/2010	3/9/2010
Kepone	ND	ug/L	5	3/8/2010	3/9/2010
Methapyrilene	ND	ug/L	10	3/8/2010	3/9/2010
Methyl methanesulfonate	ND	ug/L	10	3/8/2010	3/9/2010
Methyl parathion	ND	ug/L	10	3/8/2010	3/9/2010
Naphthalene	ND	ug/L	10	3/8/2010	3/9/2010
Nitrobenzene	ND	ug/L	10	3/8/2010	3/9/2010
Nitrosodimethylamine	ND	ug/L	10	3/8/2010	3/9/2010
n-nitrosodibutylamine	ND	ug/L	10	3/8/2010	3/9/2010
n-Nitrosodiethylamine	ND	ug/L	10	3/8/2010	3/9/2010
n-Nitroso-di-n-propylamine	ND	ug/L	10	3/8/2010	3/9/2010
n-Nitrosodiphenylamine	ND	ug/L	2	3/8/2010	3/9/2010
n-Nitrosomethylethylamine	ND	ug/L	2	3/8/2010	3/9/2010
n-Nitrosomorpholine	ND	ug/L	10	3/8/2010	3/9/2010
n-Nitrosopiperadine	ND	ug/L	10	3/8/2010	3/9/2010
n-Nitrosopyrrolidine	ND	ug/L	10	3/8/2010	3/9/2010
o,o,o-Triethyl phosphorothioate	ND	ug/L	10	3/8/2010	3/9/2010
o-Toluidine	ND	ug/L	2	3/8/2010	3/9/2010
p-(Dimethylamino)azobenzene	ND	ug/L	10	3/8/2010	3/9/2010
Pentachlorobenzene	ND	ug/L	10	3/8/2010	3/9/2010
Pentachloroethane	ND	ug/L	10	3/8/2010	3/9/2010
Pentachloronitrobenzene	ND	ug/L	10	3/8/2010	3/9/2010
Pentachlorophenol	ND	ug/L	10	3/8/2010	3/9/2010
Phenacetin	ND	ug/L	10	3/8/2010	3/9/2010
Phenanthrene	ND	ug/L	1	3/8/2010	3/9/2010
Phenol	ND	ug/L	10	3/8/2010	3/9/2010
Phorate	ND	ug/L	10	3/8/2010	3/9/2010
p-Phenylenediamine	ND	ug/L	10	3/8/2010	3/9/2010
Pronamide	ND	ug/L	10	3/8/2010	3/9/2010
Pyrene	ND	ug/L	10	3/8/2010	3/9/2010
Pyridine	ND	ug/L	10	3/8/2010	3/9/2010
Quinoline	ND	ug/L	5	3/8/2010	3/9/2010
Safrole	ND	ug/L	10	3/8/2010	3/9/2010
Sulfotep	ND	ug/L	10	3/8/2010	3/9/2010
Thionazin	ND	ug/L	10	3/8/2010	3/9/2010

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 3/3/2010

Work Order Number 1003061 | Received by: AT

Checklist completed by: _____ 3/3/10 (Signature / Date) | Sample ID labels checked by: TJ (Initials)

Matrix: | Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.0°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 10 5 (<2 >12 unless noted below.)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: per CJ "B" samples are Trip Blanks/AT 3/3/10 (MW1 -B) MW5 -B)

Corrective Action

Chai of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package: ☒ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time: ☐ Standard ☒ Rush 3/9/2010

Project Name: Post Closure Monitoring

Project #: Wells

Project Manager: G Rajen

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	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) Skinner List	Per Skinner Lists				Air Bubbles (Y or N)
3-1-10	1116	H2O	MW1-000-2-10	Amber G-1L	None	1003061-1											X					
				40ml-6	HCl	-7												X				
				-2	HNO3	-1												X				
				-1	NaOH	-1												X				
			MW1-000-2-10-B	40ml-1		-2		X								X	X	4				
	1411		MW2-000-2-10	Amber-1	None	-3	3/3/10										X	X 4				
				40ml-6	HCl	-3												X				
				-2	HNO3	-3												X				
				-1	NaOH	-3												X				
			MW5-000-2-10-B	1x40ml	HCl	-4	3/3/10		X							X						

Date	Time	Relinquished by:	Received by:	Date	Time
3/2/10	1145			3/3/10	0930
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Tests per attached Skinner lists.

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)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☐ Standard ☒ Rush 3/9/2010
Project Name: Post Closure Monitoring
Project #: Wells
Project Manager: G Rajen
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1003061	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA) Skinner List	per a Hached Skinner List				Air Bubbles (Y or N)
2/10	1047	H2O	MW4-000-2-10	Amber-1	None	-5											X					
				40ml-6	HCl	-5												X				
				-2	HNO3	-5												X				
				-1	NaOH	-5												X				
2-10	1619		MW5-000-2-10	Amber-1	None	-6											X					
				40ml-6	HCl	-6												X				
				-2	HNO3	-6												X				
				-1	NaOH	-6												X				
	1203		SMW4-000-2-10	Amber-1	None	-7											X					
				40ml-6	HCl	-7												X				
				-2	HNO3	-7												X				
				-1	NaOH	-7												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
2/10	1145			3/3/10	0930
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Tests per a Hached Skinner List

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

SMW-a.4

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, August 11, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual Sampling

Order No.: 1007755

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 7/21/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

H,S-WM2

Hall Environmental Analysis Laboratory, Inc. **Date:** *11-Aug-10*

CLIENT: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling
Lab Order: 1007755

CASE NARRATIVE

1,4-Dioxane was scanned for by GCMS method 8260B and not detected.

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	1007755	**Collection Date:**	7/16/2010 12:18:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/22/2010 3:15:34 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/22/2010 3:15:34 PM
Surr: DNOP	134	86.9-151		%REC	1	7/22/2010 3:15:34 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 11:52:18 AM
Surr: BFB	93.5	65.7-118		%REC	1	7/27/2010 11:52:18 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/22/2010 7:48:11 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	ND	0.020		mg/L	1	7/26/2010 1:11:52 PM
Beryllium	ND	0.0030		mg/L	1	7/26/2010 1:11:52 PM
Cadmium	ND	0.0020		mg/L	1	7/26/2010 1:11:52 PM
Chromium	ND	0.0060		mg/L	1	7/26/2010 1:11:52 PM
Cobalt	ND	0.0060		mg/L	1	7/26/2010 1:11:52 PM
Lead	ND	0.0050		mg/L	1	7/26/2010 1:11:52 PM
Nickel	ND	0.010		mg/L	1	7/26/2010 1:11:52 PM
Silver	ND	0.0050		mg/L	1	7/26/2010 1:11:52 PM
Vanadium	ND	0.050		mg/L	1	7/26/2010 1:11:52 PM
Zinc	ND	0.020		mg/L	1	7/26/2010 1:11:52 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Toluene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Ethylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Naphthalene	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 8:55:37 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 8:55:37 PM
Acetone	ND	10		µg/L	1	7/23/2010 8:55:37 PM
Bromobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Bromoform	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Bromomethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
2-Butanone	ND	10		µg/L	1	7/23/2010 8:55:37 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	1007755	**Collection Date:**	7/16/2010 12:18:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	10		µg/L	1	7/23/2010 8:55:37 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Chlorobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Chloroethane	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
Chloroform	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Chloromethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Dibromomethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,4-Dichlorobenzene *	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
2-Hexanone	ND	10		µg/L	1	7/23/2010 8:55:37 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/23/2010 8:55:37 PM
Methylene Chloride	ND	3.0		µg/L	1	7/23/2010 8:55:37 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Styrene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	1007755	**Collection Date:**	7/16/2010 12:18:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/23/2010 8:55:37 PM
Vinyl chloride	ND	1.0		µg/L	1	7/23/2010 8:55:37 PM
Xylenes, Total	ND	1.5		µg/L	1	7/23/2010 8:55:37 PM
Surr: 1,2-Dichloroethane-d4	107	54.6-141		%REC	1	7/23/2010 8:55:37 PM
Surr: 4-Bromofluorobenzene	112	60.1-133		%REC	1	7/23/2010 8:55:37 PM
Surr: Dibromofluoromethane	115	78.5-130		%REC	1	7/23/2010 8:55:37 PM
Surr: Toluene-d8	89.8	79.5-126		%REC	1	7/23/2010 8:55:37 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
Lab Order:	1007755	**Collection Date:**	7/16/2010 1:45:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/22/2010 3:49:40 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/22/2010 3:49:40 PM
Surr: DNOP	136	86.9-161		%REC	1	7/22/2010 3:49:40 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 12:50:08 PM
Surr: BFB	92.4	65.7-118		%REC	1	7/27/2010 12:50:08 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/22/2010 7:53:38 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	0.027	0.020		mg/L	1	7/26/2010 1:14:16 PM
Beryllium	ND	0.0030		mg/L	1	7/26/2010 1:14:16 PM
Cadmium	ND	0.0020		mg/L	1	7/26/2010 1:14:16 PM
Chromium	ND	0.0060		mg/L	1	7/26/2010 1:14:16 PM
Cobalt	0.0064	0.0060		mg/L	1	7/26/2010 1:14:16 PM
Lead	ND	0.0050		mg/L	1	7/26/2010 1:14:16 PM
Nickel	ND	0.010		mg/L	1	7/26/2010 1:14:16 PM
Silver	ND	0.0050		mg/L	1	7/26/2010 1:14:16 PM
Vanadium	0.052	0.050		mg/L	1	7/26/2010 1:14:16 PM
Zinc	ND	0.020		mg/L	1	7/26/2010 1:14:16 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Toluene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Ethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Naphthalene	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 9:21:40 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 9:21:40 PM
Acetone	ND	10		µg/L	1	7/23/2010 9:21:40 PM
Bromobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Bromoform	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Bromomethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
2-Butanone	ND	10		µg/L	1	7/23/2010 9:21:40 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
Lab Order:	1007755	**Collection Date:**	7/16/2010 1:45:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	10		µg/L	1	7/23/2010 9:21:40 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Chlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Chloroethane	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
Chloroform	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Chloromethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Dibromomethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
2-Hexanone	ND	10		µg/L	1	7/23/2010 9:21:40 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/23/2010 9:21:40 PM
Methylene Chloride	ND	3.0		µg/L	1	7/23/2010 9:21:40 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Styrene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
Lab Order:	1007755	**Collection Date:**	7/16/2010 1:45:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/23/2010 9:21:40 PM
Vinyl chloride	ND	1.0		µg/L	1	7/23/2010 9:21:40 PM
Xylenes, Total	ND	1.5		µg/L	1	7/23/2010 9:21:40 PM
Surr: 1,2-Dichloroethane-d4	111	54.6-141		%REC	1	7/23/2010 9:21:40 PM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	1	7/23/2010 9:21:40 PM
Surr: Dibromofluoromethane	114	78.5-130		%REC	1	7/23/2010 9:21:40 PM
Surr: Toluene-d8	95.6	79.5-126		%REC	1	7/23/2010 9:21:40 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	1007755	**Collection Date:**	7/16/2010 2:35:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/22/2010 4:23:46 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/22/2010 4:23:46 PM
Surr: DNOP	131	86.9-151		%REC	1	7/22/2010 4:23:46 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.37	0.050		mg/L	1	7/27/2010 1:19:03 PM
Surr: BFB	1560	65.7-118	S	%REC	1	7/27/2010 1:19:03 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/22/2010 7:55:24 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	0.022	0.020		mg/L	1	7/26/2010 1:16:42 PM
Beryllium	ND	0.0030		mg/L	1	7/26/2010 1:16:42 PM
Cadmium	ND	0.0020		mg/L	1	7/26/2010 1:16:42 PM
Chromium	0.093	0.0060		mg/L	1	7/26/2010 1:16:42 PM
Cobalt	ND	0.0060		mg/L	1	7/26/2010 1:16:42 PM
Lead	ND	0.0050		mg/L	1	7/26/2010 1:16:42 PM
Nickel	0.022	0.010		mg/L	1	7/26/2010 1:16:42 PM
Silver	ND	0.0050		mg/L	1	7/26/2010 1:16:42 PM
Vanadium	ND	0.050		mg/L	1	7/26/2010 1:16:42 PM
Zinc	ND	0.020		mg/L	1	7/26/2010 1:16:42 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Toluene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Ethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Methyl tert-butyl ether (MTBE)	8.8	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Naphthalene	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 9:47:47 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/23/2010 9:47:47 PM
Acetone	ND	10		µg/L	1	7/23/2010 9:47:47 PM
Bromobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Bromoform	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Bromomethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
2-Butanone	ND	10		µg/L	1	7/23/2010 9:47:47 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	1007755	**Collection Date:**	7/16/2010 2:35:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	10		µg/L	1	7/23/2010 9:47:47 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Chlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Chloroethane	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
Chloroform	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Chloromethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Dibromomethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
2-Hexanone	ND	10		µg/L	1	7/23/2010 9:47:47 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/23/2010 9:47:47 PM
Methylene Chloride	ND	3.0		µg/L	1	7/23/2010 9:47:47 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Styrene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	1007755	**Collection Date:**	7/16/2010 2:35:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/23/2010 9:47:47 PM
Vinyl chloride	ND	1.0		µg/L	1	7/23/2010 9:47:47 PM
Xylenes, Total	ND	1.5		µg/L	1	7/23/2010 9:47:47 PM
Surr: 1,2-Dichloroethane-d4	108	54.6-141		%REC	1	7/23/2010 9:47:47 PM
Surr: 4-Bromofluorobenzene	117	60.1-133		%REC	1	7/23/2010 9:47:47 PM
Surr: Dibromofluoromethane	110	78.5-130		%REC	1	7/23/2010 9:47:47 PM
Surr: Toluene-d8	89.3	79.5-126		%REC	1	7/23/2010 9:47:47 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	1007755	**Collection Date:**	7/19/2010 1:53:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/22/2010 4:57:54 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/22/2010 4:57:54 PM
Surr: DNOP	134	86.9-151		%REC	1	7/22/2010 4:57:54 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 1:47:58 PM
Surr: BFB	97.9	65.7-118		%REC	1	7/27/2010 1:47:58 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/22/2010 7:57:10 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	ND	0.020		mg/L	1	7/29/2010 3:53:03 PM
Beryllium	ND	0.0030		mg/L	1	7/29/2010 3:53:03 PM
Cadmium	ND	0.0020		mg/L	1	7/29/2010 3:53:03 PM
Chromium	ND	0.0060		mg/L	1	7/29/2010 3:53:03 PM
Cobalt	ND	0.0060		mg/L	1	7/29/2010 3:53:03 PM
Lead	ND	0.0050		mg/L	1	7/29/2010 3:53:03 PM
Nickel	ND	0.010		mg/L	1	7/29/2010 3:53:03 PM
Silver	ND	0.0050		mg/L	1	7/29/2010 3:53:03 PM
Vanadium	ND	0.050		mg/L	1	7/29/2010 3:53:03 PM
Zinc	ND	0.020		mg/L	1	7/29/2010 3:53:03 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Toluene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 11:17:41 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 11:17:41 AM
Acetone	ND	10		µg/L	1	7/26/2010 11:17:41 AM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Bromoform	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
2-Butanone	ND	10		µg/L	1	7/26/2010 11:17:41 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	1007755	**Collection Date:**	7/19/2010 1:53:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	10		µg/L	1	7/26/2010 11:17:41 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
Chloroform	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
[redacted]ichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
2-Hexanone	ND	10		µg/L	1	7/26/2010 11:17:41 AM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 11:17:41 AM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 11:17:41 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Styrene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	1007755	**Collection Date:**	7/19/2010 1:53:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 11:17:41 AM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 11:17:41 AM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 11:17:41 AM
Surr: 1,2-Dichloroethane-d4	94.3	54.6-141		%REC	1	7/26/2010 11:17:41 AM
Surr: 4-Bromofluorobenzene	95.5	60.1-133		%REC	1	7/26/2010 11:17:41 AM
Surr: Dibromofluoromethane	102	78.5-130		%REC	1	7/26/2010 11:17:41 AM
Surr: Toluene-d8	95.9	79.5-126		%REC	1	7/26/2010 11:17:41 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	1007755	**Collection Date:**	7/19/2010 3:11:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/22/2010 5:31:55 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/22/2010 5:31:55 PM
Surr: DNOP	134	66.9-151		%REC	1	7/22/2010 5:31:55 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 2:16:49 PM
Surr: BFB	93.7	65.7-118		%REC	1	7/27/2010 2:16:49 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/22/2010 7:58:56 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **RAGS**
Barium	ND	0.020		mg/L	1	7/29/2010 3:57:06 PM
Beryllium	ND	0.0030		mg/L	1	7/29/2010 3:57:06 PM
Cadmium	ND	0.0020		mg/L	1	7/29/2010 3:57:06 PM
Chromium	ND	0.0060		mg/L	1	7/29/2010 3:57:06 PM
Cobalt	ND	0.0060		mg/L	1	7/29/2010 3:57:06 PM
Lead	ND	0.0050		mg/L	1	7/29/2010 3:57:06 PM
Nickel	ND	0.010		mg/L	1	7/29/2010 3:57:06 PM
Silver	ND	0.0050		mg/L	1	7/29/2010 3:57:06 PM
Vanadium	ND	0.050		mg/L	1	7/29/2010 3:57:06 PM
Zinc	ND	0.020		mg/L	1	7/29/2010 3:57:06 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Toluene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 11:43:49 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 11:43:49 AM
Acetone	ND	10		µg/L	1	7/26/2010 11:43:49 AM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Bromoform	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
2-Butanone	ND	10		µg/L	1	7/26/2010 11:43:49 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	1007755	**Collection Date:**	7/19/2010 3:11:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	10		µg/L	1	7/26/2010 11:43:49 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
Chloroform	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
2-Hexanone	ND	10		µg/L	1	7/26/2010 11:43:49 AM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 11:43:49 AM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 11:43:49 AM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Styrene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	1007755	**Collection Date:**	7/19/2010 3:11:00 PM
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 11:43:49 AM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 11:43:49 AM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 11:43:49 AM
Surr: 1,2-Dichloroethane-d4	95.3	54.6-141		%REC	1	7/26/2010 11:43:49 AM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	7/26/2010 11:43:49 AM
Surr: Dibromofluoromethane	99.1	78.5-130		%REC	1	7/26/2010 11:43:49 AM
Surr: Toluene-d8	104	79.5-126		%REC	1	7/26/2010 11:43:49 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007755	**Collection Date:**	
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 2:45:40 PM
Surr: BFB	92.4	65.7-118		%REC	1	7/27/2010 2:45:40 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 12:10:03 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 12:10:03 PM
Acetone	ND	10		µg/L	1	7/26/2010 12:10:03 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 12:10:03 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 12:10:03 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007755	**Collection Date:**	
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 12:10:03 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 12:10:03 PM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 12:10:03 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
[redacted]Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 12:10:03 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 12:10:03 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 12:10:03 PM
Surr: 1,2-Dichloroethane-d4	99.0	54.6-141		%REC	1	7/26/2010 12:10:03 PM
Surr: 4-Bromofluorobenzene	100	60.1-133		%REC	1	7/26/2010 12:10:03 PM
Surr: Dibromofluoromethane	108	78.5-130		%REC	1	7/26/2010 12:10:03 PM
Surr: Toluene-d8	89.1	79.5-126		%REC	1	7/26/2010 12:10:03 PM

[redacted]Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *11-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007755	**Collection Date:**	
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/27/2010 3:14:37 PM
Surr: BFB	93.3	65.7-118		%REC	1	7/27/2010 3:14:37 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Toluene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Ethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Naphthalene	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 12:36:12 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/26/2010 12:36:12 PM
Acetone	ND	10		µg/L	1	7/26/2010 12:36:12 PM
Bromobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Bromoform	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Bromomethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
2-Butanone	ND	10		µg/L	1	7/26/2010 12:36:12 PM
Carbon disulfide	ND	10		µg/L	1	7/26/2010 12:36:12 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Chlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Chloroethane	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
Chloroform	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Chloromethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Dibromomethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007755	**Collection Date:**	
Project:	2010 Annual Sampling	**Date Received:**	7/21/2010
Lab ID:	1007755-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,3-Dichloropropane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
2-Hexanone	ND	10		µg/L	1	7/26/2010 12:36:12 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/26/2010 12:36:12 PM
Methylene Chloride	ND	3.0		µg/L	1	7/26/2010 12:36:12 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Styrene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/26/2010 12:36:12 PM
Vinyl chloride	ND	1.0		µg/L	1	7/26/2010 12:36:12 PM
Xylenes, Total	ND	1.5		µg/L	1	7/26/2010 12:36:12 PM
Surr: 1,2-Dichloroethane-d4	107	54.6-141		%REC	1	7/26/2010 12:36:12 PM
Surr: 4-Bromofluorobenzene	116	60.1-133		%REC	1	7/26/2010 12:36:12 PM
Surr: Dibromofluoromethane	109	78.5-130		%REC	1	7/26/2010 12:36:12 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	7/26/2010 12:36:12 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-002	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-01E / MW-1	**Sampling Time**	12:18 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Arsenic	0.00146	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-003	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-01F / MW-1	**Sampling Time**	12:18 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	7/28/2010	MAS	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1007755
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-005	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-02E / SMW-4	**Sampling Time**	1:45 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Arsenic	0.00333	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1007755
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-006	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-02F / SMW-4	**Sampling Time**	1:45 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	7/28/2010	MAS	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-008	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-03E / SMW-2	**Sampling Time**	2:35 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Arsenic	0.00350	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1007755
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-009	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-03F / SMW-2	**Sampling Time**	2:35 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	0.0525	mg/L	0.01	7/28/2010	MAS	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D	**Project Name:**	1007755
	ALBUQUERQUE, NM 87109		
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-011	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-04E / MW-5	**Sampling Time**	1:53 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Arsenic	0.00136	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-012	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-04F / MW-5	**Sampling Time**	1:53 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	7/28/2010	MAS	EPA 335.4	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-014	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-05E / MW-4	**Sampling Time**	3:11 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Arsenic	0.00117	mg/L	0.001	8/6/2010	JTT	EPA 6020A	
Selenium	ND	mg/L	0.001	8/6/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-015	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-05F / MW-4	**Sampling Time**	3:11 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	7/28/2010	MAS	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

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The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-001	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-01C / MW-1	**Sampling Time**	12:18 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1	5	8/6/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Diethylphthalate	1.03	ug/L	1	10	8/6/2010	EMP	EPA 8270C	J
Dimethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-001	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-01C / MW-1	**Sampling Time**	12:18 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
Phenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyridine	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	
Benzo(j)fluoranthene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100723014-001

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	83.4	10-123
2-Fluorobiphenyl	EPA 8270C	81.9	19-130
2-Fluorophenol	EPA 8270C	76.8	21-110
Nitrobenzene-d5	EPA 8270C	93.9	25-130
Phenol-d5	EPA 8270C	83.4	10-125
Terphenyl-d14	EPA 8270C	105.3	33-141

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-004	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-02C / SMW-4	**Sampling Time**	1:45 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1	5	8/6/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-004	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-02C / SMW-4	**Sampling Time**	1:45 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
Pyridine	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	
Benzo(j)fluoranthene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100723014-004

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	90.0	10-123
2-Fluorobiphenyl	EPA 8270C	84.0	19-130
2-Fluorophenol	EPA 8270C	80.1	21-110
Nitrobenzene-d5	EPA 8270C	94.4	25-130
Phenol-d5	EPA 8270C	85.0	10-125
Terphenyl-d14	EPA 8270C	102.5	33-141

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-007	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-03C / SMW-2	**Sampling Time**	2:35 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1	5	8/6/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Diethylphthalate	1.89	ug/L	1	10	8/6/2010	EMP	EPA 8270C	J
Dimethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-007	**Sampling Date**	7/16/2010	**Date/Time Received**	7/23/2010 11:40 AM
Client Sample ID	1007755-03C / SMW-2	**Sampling Time**	2:35 PM	**Extraction Date**	7/23/2010
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
Pyridine	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	
Benzo(j)fluoranthene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100723014-007

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	91.6	10-123
2-Fluorobiphenyl	EPA 8270C	74.9	19-130
2-Fluorophenol	EPA 8270C	80.4	21-110
Nitrobenzene-d5	EPA 8270C	90.0	25-130
Phenol-d5	EPA 8270C	78.3	10-125
Terphenyl-d14	EPA 8270C	96.7	33-141

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-010	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-04C / MW-5	**Sampling Time**	1:53 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1	5	8/6/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C585; MT:Cert0095

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-010	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-04C / MW-5	**Sampling Time**	1:53 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
Pyridine	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	
Benzo(j)fluoranthene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	

Surrogate Data

Sample Number 100723014-010

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	89.9	10-123
2-Fluorobiphenyl	EPA 8270C	87.1	19-130
2-Fluorophenol	EPA 8270C	79.9	21-110
Nitrobenzene-d5	EPA 8270C	95.7	25-130
Phenol-d5	EPA 8270C	82.5	10-125
Terphenyl-d14	EPA 8270C	111.3	33-141

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100723014
Project Name: 1007755

Analytical Results Report

Sample Number	100723014-013	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-05C / MW-4	**Sampling Time**	3:11 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Anthracene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	1	5	8/6/2010	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Fluorene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.05	0.1	8/6/2010	EMP	EPA 8270C	
Naphthalene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Phenol	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
Pyrene	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C595
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2832; ID:WA00169; WA:C585; MT:Cert0095

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100723014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007755
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100723014-013	**Sampling Date**	7/19/2010	**Date/Time Received**	7/23/2010	11:40 AM
Client Sample ID	1007755-05C / MW-4	**Sampling Time**	3:11 PM	**Extraction Date**	7/23/2010	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	MDL	PQL	Analysis Date	Analyst	Method	Qualifier
Pyridine	ND	ug/L	1	10	8/6/2010	EMP	EPA 8270C	
5-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
6-Methylchrysene	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Benzenethiole	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	
Dibenz(a,j)acridine	ND	ug/L	0.1	1	7/29/2010	EMP	EPA 8270C	
Quinoline	ND	ug/L	0.5	5	7/29/2010	EMP	EPA 8270C	

Surrogate Data

ple Number 100723014-013

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	88.4	10-123
2-Fluorobiphenyl	EPA 8270C	86.4	19-130
2-Fluorophenol	EPA 8270C	79.8	21-110
Nitrobenzene-d5	EPA 8270C	97.1	25-130
Phenol-d6	EPA 8270C	84.2	10-125
Terphenyl-d14	EPA 8270C	112.9	33-141

Authorized Signature

John Coddington, Lab Manager

J	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
MCL	EPA's Maximum Contaminant Level
ND	Not Detected
PQL	Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range											
Sample ID: MB-23107		*MBLK*				Batch ID:	**23107**	Analysis Date:		7/22/2010 12:24:58 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0								
Motor Oil Range Organics (MRO)	ND	mg/L	5.0								
Sample ID: LCS-23107		*LCS*				Batch ID:	**23107**	Analysis Date:		7/22/2010 1:33:13 PM	
Diesel Range Organics (DRO)	5.984	mg/L	1.0	5	0	120	74	157			
Sample ID: LCSD-23107		*LCSD*				Batch ID:	**23107**	Analysis Date:		7/22/2010 2:07:21 PM	
Diesel Range Organics (DRO)	6.103	mg/L	1.0	5	0	122	74	157	1.96	23	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 5ML RB		*MBLK*				Batch ID:	**R40058**	Analysis Date:		7/27/2010 9:56:32 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050								
Sample ID: 2.5UG GRO LCS		*LCS*				Batch ID:	**R40058**	Analysis Date:		7/27/2010 8:03:37 PM	
Gasoline Range Organics (GRO)	0.5164	mg/L	0.050	0.5	0	103	82.3	122			
Sample ID: 2.5UG GRO LCSD		*LCSD*				Batch ID:	**R40058**	Analysis Date:		7/27/2010 8:32:29 PM	
Gasoline Range Organics (GRO)	0.4954	mg/L	0.050	0.5	0	99.1	82.3	122	4.15	10.3	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml rb		*MBLK*					**Batch ID: R40021**		**Analysis Date: 7/23/2010 9:15:09 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: *5ml rb*		*MBLK*					Batch ID: **R40021**		Analysis Date:	7/23/2010 9:15:09 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								
Trichlorofludromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: *b7*		*MBLK*					Batch ID: **R40021**		Analysis Date:	7/23/2010 10:13:53 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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*									
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-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: b2		*MBLK*									

Batch ID: R40021 Analysis Date: 7/23/2010 10:13:53 PM

Batch ID: R40039 Analysis Date: 7/26/2010 9:32:51 AM

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*				**Batch ID: R40039**		**Analysis Date: 7/26/2010 9:32:51 AM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b2		*MBLK*				**Batch ID: R40039**		**Analysis Date: 7/26/2010 9:32:51 AM**			
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,[illegible]hloropropane	ND	µg/L	2.0								
Viny[illegible]oride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: b6		*MBLK*				**Batch ID: R40039**		**Analysis Date: 7/26/2010 7:37:36 PM**			
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	1.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b6		*MBLK*					**Batch ID: R40039**		**Analysis Date: 7/26/2010 7:37:36 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: R40021**		**Analysis Date: 7/23/2010 12:28:12 PM**		

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID: **R40021**		Analysis Date: 7/23/2010 12:28:12 PM			
Benzene	18.93	µg/L	1.0	20	0	94.7	82.4	116			
Toluene	23.43	µg/L	1.0	20	0	117	89.5	123			
Chlorobenzene	20.44	µg/L	1.0	20	0	102	87.8	120			
1,1-Dichloroethene	20.67	µg/L	1.0	20	0	103	90.3	138			
Trichloroethene (TCE)	17.26	µg/L	1.0	20	0	86.3	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID: **R40039**		Analysis Date: 7/26/2010 10:25:19 AM			
Benzene	19.06	µg/L	1.0	20	0	95.3	82.4	116			
Toluene	22.82	µg/L	1.0	20	0	114	89.5	123			
Chlorobenzene	21.00	µg/L	1.0	20	0	105	87.8	120			
1,1-Dichloroethene	21.41	µg/L	1.0	20	0	107	90.3	138			
Trichloroethene (TCE)	17.98	µg/L	1.0	20	0	89.9	64	129			
Method: EPA Method 7470: Mercury											
Sample ID: MB-23113		*MBLK*				Batch ID: **23113**		Analysis Date: 7/22/2010 7:10:35 PM			
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23113		*LCS*				Batch ID: **23113**		Analysis Date: 7/22/2010 7:12:19 PM			
Mercury	0.004888	mg/L	0.00020	0.005	0	97.8	80	120			
Sample ID: LCS-23113		*LCS*				Batch ID: **23113**		Analysis Date: 7/22/2010 7:14:04 PM			
Mercury	0.004909	mg/L	0.00020	0.005	0	98.2	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23129		*MBLK*				Batch ID:	**23129**	Analysis Date:	7/26/2010 11:30:02 AM		
Barium	ND	mg/L	0.020								
Beryllium	ND	mg/L	0.0030								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Cobalt	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Nickel	ND	mg/L	0.010								
Silver	ND	mg/L	0.0050								
Vanadium	ND	mg/L	0.050								
Zinc	ND	mg/L	0.020								
Sample ID: MB-23130		*MBLK*				Batch ID:	**23130**	Analysis Date:	7/29/2010 3:03:07 PM		
Barium	ND	mg/L	0.020								
Beryllium	ND	mg/L	0.0030								
Cadmium	ND	mg/L	0.0020								
Chromium	ND	mg/L	0.0060								
Cobalt	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Nickel	ND	mg/L	0.010								
Silver	ND	mg/L	0.0050								
Vanadium	ND	mg/L	0.050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23129		*LCS*				Batch ID:	**23129**	Analysis Date:	7/26/2010 11:32:54 AM		
Barium	0.4979	mg/L	0.020	0.5	0	99.6	80	120			
Beryllium	0.5247	mg/L	0.0030	0.5	0	105	80	120			
Cadmium	0.5110	mg/L	0.0020	0.5	0	102	80	120			
Chromium	0.5100	mg/L	0.0060	0.5	0	102	80	120			
Cobalt	0.5316	mg/L	0.0060	0.5	0	106	80	120			
Lead	0.5060	mg/L	0.0050	0.5	0	101	80	120			
Nickel	0.4901	mg/L	0.010	0.5	0	98.0	80	120			
Silver	0.5216	mg/L	0.0050	0.5	0.0025	104	80	120			
Vanadium	0.5281	mg/L	0.050	0.5	0	106	80	120			
Zinc	0.4854	mg/L	0.020	0.5	0	97.1	80	120			
Sample ID: LCS-23129		*LCS*				Batch ID:	**23129**	Analysis Date:	7/26/2010 11:35:55 AM		
Barium	0.4892	mg/L	0.020	0.5	0	97.8	80	120	1.76	0	
Beryllium	0.5255	mg/L	0.0030	0.5	0	105	80	120	0.146	0	
Cadmium	0.5060	mg/L	0.0020	0.5	0	101	80	120	0.981	0	
Chromium	0.4998	mg/L	0.0060	0.5	0	100	80	120	2.02	0	
Lead	0.5006	mg/L	0.0050	0.5	0	100	80	120	1.07	0	
Nickel	0.4817	mg/L	0.010	0.5	0	96.3	80	120	1.74	0	
Silver	0.5106	mg/L	0.0050	0.5	0.0025	102	80	120	2.13	0	
Vanadium	0.5179	mg/L	0.050	0.5	0	104	80	120	1.95	0	
Zinc	0.4780	mg/L	0.020	0.5	0	95.6	80	120	1.52	0	
Sample ID: LCS-23130		*LCS*				Batch ID:	**23130**	Analysis Date:	7/29/2010 3:15:05 PM		

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual Sampling **Work Order:** 1007755

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: LCS-23130		*LCS*				**Batch ID:**	**23130**	**Analysis Date:**	**7/29/2010 3:15:05 PM**		
Barium	0.4589	mg/L	0.020	0.5	0	91.8	80	120			
Beryllium	0.4909	mg/L	0.0030	0.5	0	98.2	80	120			
Cadmium	0.4703	mg/L	0.0020	0.5	0	94.1	80	120			
Chromium	0.4661	mg/L	0.0060	0.5	0	93.2	80	120			
Cobalt	0.4669	mg/L	0.0060	0.5	0	93.4	80	120			
Lead	0.4658	mg/L	0.0050	0.5	0	93.2	80	120			
Nickel	0.4501	mg/L	0.010	0.5	0	90.0	80	120			
Silver	0.4872	mg/L	0.0050	0.5	0	97.4	80	120			
Vanadium	0.4901	mg/L	0.050	0.5	0	98.0	80	120			
Zinc	0.4369	mg/L	0.020	0.5	0	87.4	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name **WESTERN REFINING GALLU** Date Received: **7/21/2010**

Work Order Number **1007755** Received by: **ARS**

Checklist completed by: _____ 7/21/10 Sample ID labels checked by: **LD**
Signature Date Initials

Matrix: Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑ 7/21	No ☑	N/A ☐	
Container/Temp Blank temperature?	**-0.6°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: 4 5 (<2 or >12 unless noted below)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: Added 1 ml HNO_3 to 1007755-5 for acceptable ph. ☑ 7/21/10

Corrective Action _____

Chain-of-Custody Record

Client: Gallup Refinery Western

Mailing Address: Rt 3 Box 7 Gallup, NM

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2010 Annual Sampling

Project #: MW + SMW wells

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 0°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1008175	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)	See attached SLimit List				Air Bubbles (Y or N)
7/16/10	1218	H2O	MW-1			1												X				
	1345		SMW-4			2												X				
	1435		SMW-2			3												X				
7/18/10	1353		MW-5			4												X				
	1511		MW-4			5												X				
			Field Blank (2)			6																
			Trip Blank (2)			7																

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/19/10	1611			7/21/10	10:45
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.

PW-3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, October 25, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: PW-3

Order No.: 1010069

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 9/24/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

E-WQ

Hall Environmental Analysis Laboratory, Inc. **Date:** *25-Oct-10*

CLIENT: Western Refining Southwest, Gallup
Project: PW-3
Lab Order: 1010069

CASE NARRATIVE

Analytical notes for EPA Method 8270:
Sample PW-3 was extracted past the 7 day holding time.

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	1010069	**Collection Date:**	9/23/2010 10:40:00 AM
Project:	PW-3	**Date Received:**	9/24/2010
Lab ID:	1010069-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	10/5/2010 8:56:39 PM
EPA METHOD 7470: MERCURY						Analyst: **ELS**
Mercury	ND	0.00020		mg/L	1	10/14/2010 1:01:01 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/18/2010 11:42:22 AM
Barium	ND	0.020		mg/L	1	10/18/2010 11:42:22 AM
Cadmium	ND	0.0020		mg/L	1	10/18/2010 11:42:22 AM
Calcium	240	5.0		mg/L	5	10/18/2010 11:48:07 AM
Chromium	ND	0.0060		mg/L	1	10/18/2010 11:42:22 AM
Copper	ND	0.0060		mg/L	1	10/18/2010 11:42:22 AM
Iron	0.098	0.020		mg/L	1	10/18/2010 11:42:22 AM
Lead	ND	0.0050		mg/L	1	10/18/2010 11:42:22 AM
Magnesium	48	1.0		mg/L	1	10/18/2010 11:42:22 AM
Manganese	ND	0.0020		mg/L	1	10/18/2010 11:42:22 AM
Potassium	1.5	1.0		mg/L	1	10/18/2010 11:42:22 AM
Selenium	ND	0.050		mg/L	1	10/18/2010 11:42:22 AM
Silver	ND	0.0050		mg/L	1	10/18/2010 11:42:22 AM
Sodium	50	1.0		mg/L	1	10/18/2010 11:42:22 AM
Zinc	ND	0.050		mg/L	1	10/19/2010 1:57:33 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	10/6/2010 12:54:39 PM
Barium	ND	0.020		mg/L	1	10/6/2010 12:54:39 PM
Cadmium	ND	0.0020		mg/L	1	10/6/2010 12:54:39 PM
Chromium	ND	0.0060		mg/L	1	10/6/2010 12:54:39 PM
Copper	0.032	0.0060		mg/L	1	10/6/2010 12:54:39 PM
Iron	0.47	0.050		mg/L	1	10/6/2010 12:54:39 PM
Lead	0.0074	0.0050		mg/L	1	10/6/2010 12:54:39 PM
Manganese	0.0046	0.0020		mg/L	1	10/6/2010 12:54:39 PM
Selenium	ND	0.050		mg/L	1	10/6/2010 12:54:39 PM
Silver	ND	0.0050		mg/L	1	10/6/2010 12:54:39 PM
Zinc	0.037	0.020		mg/L	1	10/6/2010 12:54:39 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Acenaphthylene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Aniline	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Anthracene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Azobenzene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	1010069	**Collection Date:**	9/23/2010 10:40:00 AM
Project:	PW-3	**Date Received:**	9/24/2010
Lab ID:	1010069-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Benz(a)anthracene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Benzo(a)pyrene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Benzo(b)fluoranthene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Benzo(g,h,i)perylene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Benzo(k)fluoranthene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Benzoic acid	ND	20	H	µg/L	1	10/11/2010 12:01:20 AM
Benzyl alcohol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Bis(2-chloroethoxy)methane	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Bis(2-chloroethyl)ether	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Bis(2-chloroisopropyl)ether	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Bis(2-ethylhexyl)phthalate	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
4-Bromophenyl phenyl ether	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Butyl benzyl phthalate	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Carbazole	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
4-Chloro-3-methylphenol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
4-Chloroaniline	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
2-Chloronaphthalene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
2-Chlorophenol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
4-Chlorophenyl phenyl ether	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Chrysene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Di-n-butyl phthalate	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Di-n-octyl phthalate	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Dibenz(a,h)anthracene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Dibenzofuran	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
1,2-Dichlorobenzene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
1,3-Dichlorobenzene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
1,4-Dichlorobenzene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
3,3'-Dichlorobenzidine	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Diethyl phthalate	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Dimethyl phthalate	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
2,4-Dichlorophenol	ND	20	H	µg/L	1	10/11/2010 12:01:20 AM
2,4-Dimethylphenol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
4,6-Dinitro-2-methylphenol	ND	20	H	µg/L	1	10/11/2010 12:01:20 AM
2,4-Dinitrophenol	ND	20	H	µg/L	1	10/11/2010 12:01:20 AM
2,4-Dinitrotoluene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
2,6-Dinitrotoluene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Fluoranthene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Fluorene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Hexachlorobenzene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Hexachlorobutadiene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Hexachlorocyclopentadiene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	1010069	**Collection Date:**	9/23/2010 10:40:00 AM
Project:	PW-3	**Date Received:**	9/24/2010
Lab ID:	1010069-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Hexachloroethane	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Indeno(1,2,3-cd)pyrene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Isophorone	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
2-Methylnaphthalene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
2-Methylphenol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
3+4-Methylphenol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
N-Nitrosodi-n-propylamine	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
N-Nitrosodimethylamine	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
N-Nitrosodiphenylamine	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Naphthalene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
2-Nitroaniline	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
3-Nitroaniline	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
4-Nitroaniline	ND	20	H	µg/L	1	10/11/2010 12:01:20 AM
Nitrobenzene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
2-Nitrophenol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
4-Nitrophenol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Pentachlorophenol	ND	20	H	µg/L	1	10/11/2010 12:01:20 AM
Phenanthrene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Phenol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Pyrene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Pyridine	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
1,2,4-Trichlorobenzene	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
2,4,5-Trichlorophenol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
2,4,6-Trichlorophenol	ND	10	H	µg/L	1	10/11/2010 12:01:20 AM
Surr: 2,4,6-Tribromophenol	63.5	16.6-150	H	%REC	1	10/11/2010 12:01:20 AM
Surr: 2-Fluorobiphenyl	67.9	19.6-134	H	%REC	1	10/11/2010 12:01:20 AM
Surr: 2-Fluorophenol	50.6	9.54-113	H	%REC	1	10/11/2010 12:01:20 AM
Surr: 4-Terphenyl-d14	66.2	22.7-145	H	%REC	1	10/11/2010 12:01:20 AM
Surr: Nitrobenzene-d5	71.6	14.6-134	H	%REC	1	10/11/2010 12:01:20 AM
Surr: Phenol-d5	38.9	10.7-80.3	H	%REC	1	10/11/2010 12:01:20 AM
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Toluene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Naphthalene	ND	2.0		µg/L	1	10/3/2010 2:24:17 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	1010069	**Collection Date:**	9/23/2010 10:40:00 AM
Project:	PW-3	**Date Received:**	9/24/2010
Lab ID:	1010069-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 2:24:17 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 2:24:17 AM
Acetone	ND	10		µg/L	1	10/3/2010 2:24:17 AM
Bromobenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Bromoform	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Bromomethane	ND	3.0		µg/L	1	10/3/2010 2:24:17 AM
2-Butanone	ND	10		µg/L	1	10/3/2010 2:24:17 AM
Carbon disulfide	ND	10		µg/L	1	10/3/2010 2:24:17 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Chloroethane	ND	2.0		µg/L	1	10/3/2010 2:24:17 AM
Chloroform	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Chloromethane	ND	3.0		µg/L	1	10/3/2010 2:24:17 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2010 2:24:17 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Dibromomethane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2010 2:24:17 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
2-Hexanone	ND	10		µg/L	1	10/3/2010 2:24:17 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2010 2:24:17 AM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2010 2:24:17 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Styrene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	1010069	**Collection Date:**	9/23/2010 10:40:00 AM
Project:	PW-3	**Date Received:**	9/24/2010
Lab ID:	1010069-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2010 2:24:17 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2010 2:24:17 AM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2010 2:24:17 AM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2010 2:24:17 AM
Surr: 1,2-Dichloroethane-d4	112	54.6-141		%REC	1	10/3/2010 2:24:17 AM
Surr: 4-Bromofluorobenzene	102	60.1-133		%REC	1	10/3/2010 2:24:17 AM
Surr: Dibromofluoromethane	109	78.5-130		%REC	1	10/3/2010 2:24:17 AM
Surr: Toluene-d8	107	79.5-126		%REC	1	10/3/2010 2:24:17 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1010069	**Collection Date:**	9/23/2010 10:30:00 AM
Project:	PW-3	**Date Received:**	9/24/2010
Lab ID:	1010069-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
Benzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Toluene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Naphthalene	ND	2.0		µg/L	1	10/3/2010 1:32:11 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 1:32:11 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 1:32:11 AM
Acetone	ND	10		µg/L	1	10/3/2010 1:32:11 AM
Bromobenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Bromoform	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Bromomethane	ND	3.0		µg/L	1	10/3/2010 1:32:11 AM
2-Butanone	ND	10		µg/L	1	10/3/2010 1:32:11 AM
Carbon disulfide	ND	10		µg/L	1	10/3/2010 1:32:11 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Chloroethane	ND	2.0		µg/L	1	10/3/2010 1:32:11 AM
Chloroform	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Chloromethane	ND	3.0		µg/L	1	10/3/2010 1:32:11 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2010 1:32:11 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Dibromomethane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2010 1:32:11 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Field Blank
Lab Order:	1010069	**Collection Date:**	9/23/2010 10:30:00 AM
Project:	PW-3	**Date Received:**	9/24/2010
Lab ID:	1010069-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **RAA**
2-Hexanone	ND	10		µg/L	1	10/3/2010 1:32:11 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2010 1:32:11 AM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2010 1:32:11 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Styrene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2010 1:32:11 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2010 1:32:11 AM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2010 1:32:11 AM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2010 1:32:11 AM
Surr: 1,2-Dichloroethane-d4	115	54.6-141		%REC	1	10/3/2010 1:32:11 AM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	1	10/3/2010 1:32:11 AM
Surr: Dibromofluoromethane	109	78.5-130		%REC	1	10/3/2010 1:32:11 AM
Surr: Toluene-d8	104	79.5-126		%REC	1	10/3/2010 1:32:11 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
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1010069	**Collection Date:**	
Project:	PW-3	**Date Received:**	9/24/2010
Lab ID:	1010069-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
Benzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Toluene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Ethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Naphthalene	ND	2.0		µg/L	1	10/3/2010 1:58:15 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 1:58:15 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	10/3/2010 1:58:15 AM
Acetone	ND	10		µg/L	1	10/3/2010 1:58:15 AM
Bromobenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Bromodichloromethane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Bromoform	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Bromomethane	ND	3.0		µg/L	1	10/3/2010 1:58:15 AM
2-Butanone	ND	10		µg/L	1	10/3/2010 1:58:15 AM
Carbon disulfide	ND	10		µg/L	1	10/3/2010 1:58:15 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Chlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Chloroethane	ND	2.0		µg/L	1	10/3/2010 1:58:15 AM
Chloroform	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Chloromethane	ND	3.0		µg/L	1	10/3/2010 1:58:15 AM
2-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
4-Chlorotoluene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
cis-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	10/3/2010 1:58:15 AM
Dibromochloromethane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Dibromomethane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	10/3/2010 1:58:15 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *25-Oct-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	1010069	**Collection Date:**	
Project:	PW-3	**Date Received:**	9/24/2010
Lab ID:	1010069-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: RAA
2-Hexanone	ND	10		µg/L	1	10/3/2010 1:58:15 AM
Isopropylbenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	10/3/2010 1:58:15 AM
Methylene Chloride	ND	3.0		µg/L	1	10/3/2010 1:58:15 AM
n-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
n-Propylbenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
sec-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Styrene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
tert-Butylbenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	10/3/2010 1:58:15 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
trans-1,2-DCE	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	10/3/2010 1:58:15 AM
Vinyl chloride	ND	1.0		µg/L	1	10/3/2010 1:58:15 AM
Xylenes, Total	ND	1.5		µg/L	1	10/3/2010 1:58:15 AM
Surr: 1,2-Dichloroethane-d4	108	54.6-141		%REC	1	10/3/2010 1:58:15 AM
Surr: 4-Bromofluorobenzene	108	60.1-133		%REC	1	10/3/2010 1:58:15 AM
Surr: Dibromofluoromethane	106	78.5-130		%REC	1	10/3/2010 1:58:15 AM
Surr: Toluene-d8	109	79.5-126		%REC	1	10/3/2010 1:58:15 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 1010069
Lab ID: B10100459-001
Client Sample ID 1010069-01D, -01F, -01H PW-3

Report Date: 10/13/10
Collection Date: 09/23/10 10:40
DateReceived: 10/05/10
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
INORGANICS							
Cyanide, Total	ND	mg/L		0.005		Kelada mod	10/07/10 13:45 / kjp
METALS, DISSOLVED							
Uranium	0.001	mg/L		0.001		SW6020	10/11/10 15:22 / tao
METALS, TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	10/13/10 00:21 / tao

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1010069

Report Date: 10/13/10
Work Order: B10100459

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: ***Kelada mod***									*Analytical Run:* AUTOAN201-B_101007B	
Sample ID: ICV-1		Initial Calibration Verification Standard							10/07/10 13:32	
Cyanide, Total		0.152	mg/L	0.0050	101	90	110			
Method: **Kelada mod**									Batch: 49607	
Sample ID: LCS-49607		Laboratory Control Sample				Run: AUTOAN201-B_101007B			10/07/10 13:38	
Cyanide, Total		0.106	mg/L	0.0050	106	90	110			
Sample ID: MB-49607		Method Blank				Run: AUTOAN201-B_101007B			10/07/10 13:41	
Cyanide, Total		ND	mg/L	0.002						
Sample ID: B10100377-002EMS		Sample Matrix Spike				Run: AUTOAN201-B_101007B			10/07/10 14:32	
Cyanide, Total		0.131	mg/L	0.0050	112	90	110			S
Sample ID: B10100377-002EMSD		Sample Matrix Spike Duplicate				Run: AUTOAN201-B_101007B			10/07/10 14:33	
Cyanide, Total		0.133	mg/L	0.0050	114	90	110	1.2	10	S

Qualifiers:

RL - Analyte reporting limit.
ND - Not detected at the reporting limit.
S - Spike recovery outside of advisory limits.

QA/QC Summary Report

Client: Hall Environmental
Project: 1010069

Report Date: 10/13/10
Work Order: B10100459

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_101011A	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard								10/11/10 08:22
Uranium		0.0193	mg/L	0.00030	96	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A								10/11/10 08:26
Uranium		2.70E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB								10/11/10 08:39
Uranium		4.00E-06	mg/L	0.00030		0	0			
Method: SW6020										Batch: R155343
Sample ID: B10100211-002AMS		Sample Matrix Spike				Run: ICPMS202-B_101011A				10/11/10 13:26
Uranium		0.251	mg/L	0.0010	96	75	125			
Sample ID: B10100211-002AMSD		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101011A				10/11/10 13:30
Uranium		0.258	mg/L	0.0010	99	75	125	2.5	20	
Sample ID: B10100211-003ADIL		Serial Dilution				Run: ICPMS202-B_101011A				10/11/10 13:46
Uranium		0.0126	mg/L	0.0010		0	0			
Sample ID: LRB		Method Blank				Run: ICPMS202-B_101011A				10/11/10 10:41
Uranium		ND	mg/L	2E-05						
Sample ID: LFB		Laboratory Fortified Blank				Run: ICPMS202-B_101011A				10/11/10 10:45
Uranium		0.0490	mg/L	0.00030	98	85	115			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

QA/QC Summary Report

Client: Hall Environmental
Project: 1010069

Report Date: 10/13/10
Work Order: B10100459

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Analytical Run: ICPMS202-B_101012A	
Sample ID: QCS - 100607A,10072		Initial Calibration Verification Standard							10/12/10 12:42	
Uranium		0.0192	mg/L	0.00030	96	90	110			
Sample ID: ICSA-ME091229B		Interference Check Sample A							10/12/10 12:46	
Uranium		1.40E-05	mg/L	0.00030						
Sample ID: ICSAB-ME091229B, 10		Interference Check Sample AB							10/12/10 12:50	
Uranium		2.00E-06	mg/L	0.00030		0	0			
Method: *SW6020*									*Batch: 49638*	
Sample ID: MB-49638		Method Blank				Run: ICPMS202-B_101012A			10/13/10 00:01	
Uranium		ND	mg/L	2E-05						
Sample ID: B10100459-001BDIL		Serial Dilution				Run: ICPMS202-B_101012A			10/13/10 00:25	
Uranium		0.00175	mg/L	0.0010		0	0		10	N
Sample ID: LCS-49638		Laboratory Control Sample				Run: ICPMS202-B_101012A			10/13/10 00:37	
Uranium		0.503	mg/L	0.0010	101	85	115			
Sample ID: B10100459-001BMS3		Sample Matrix Spike				Run: ICPMS202-B_101012A			10/13/10 00:41	
Uranium		0.533	mg/L	0.0010	106	75	125			
Sample ID: B10100459-001BMSD3		Sample Matrix Spike Duplicate				Run: ICPMS202-B_101012A			10/13/10 00:45	
Uranium		0.555	mg/L	0.0010	111	75	125	4	20	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

N - The analyte concentration was not sufficiently high to calculate a RPD for the serial dilution test.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: PW-3 **Work Order:** 1010069

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				Batch ID:	**R41378**	Analysis Date:	10/5/2010 4:00:41 PM		
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20								
Sample ID: LCS		*LCS*				Batch ID:	**R41378**	Analysis Date:	10/5/2010 4:18:05 PM		
Nitrate (As N)+Nitrite (As N)	3.476	mg/L	0.20	3.5	0	99.3	90	110			
Sample ID: LCSD		*LCSD*				Batch ID:	**R41378**	Analysis Date:	10/5/2010 10:58:32 PM		
Nitrate (As N)+Nitrite (As N)	3.550	mg/L	0.20	3.5	0	101	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: PW-3 **Work Order:** 1010069

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*					**Batch ID: R41337**		**Analysis Date: 10/2/2010 11:49:14 AM**		
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: PW-3 **Work Order:** 1010069

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 5ml-rb		*MBLK*					Batch ID: **R41337**		Analysis Date:	10/2/2010 11:49:14 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: b7		*MBLK*					Batch ID: **R41337**		Analysis Date:	10/2/2010 10:28:59 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	3.0								
2-Butanone	ND	µg/L	10								
Carbon disulfide	ND	µg/L	10								
Carbon Tetrachloride	ND	µg/L	1.0								
Chlorobenzene	ND	µg/L	1.0								
Chloroethane	ND	µg/L	2.0								
Chloroform	ND	µg/L	1.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: PW-3 **Work Order:** 1010069

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b7		*MBLK*					Batch ID: **R41337**		Analysis Date:	10/2/2010 10:28:59 PM	
Chloromethane	ND	µg/L	3.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,[illegible]-Dichloropropene	ND	µg/L	1.0								
[illegible]chlorobutadiene	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								
S[illegible]le ID: **100ng lcs**		*LCS*					Batch ID: **R41337**		Analysis Date:	10/2/2010 12:52:02 PM	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: PW-3 **Work Order:** 1010069

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41337**	Analysis Date:	10/2/2010 12:52:02 PM		
Benzene	18.95	µg/L	1.0	20	0	94.8	82.4	116			
Toluene	18.18	µg/L	1.0	20	0	90.9	89.5	123			
Chlorobenzene	18.56	µg/L	1.0	20	0	92.8	87.8	120			
1,1-Dichloroethene	19.27	µg/L	1.0	20	0	96.4	90.3	138			
Trichloroethene (TCE)	17.71	µg/L	1.0	20	0	88.6	64	129			
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R41337**	Analysis Date:	10/2/2010 11:21:23 PM		
Benzene	19.48	µg/L	1.0	20	0	97.4	82.4	116			
Toluene	18.83	µg/L	1.0	20	0	94.2	89.5	123			
Chlorobenzene	19.15	µg/L	1.0	20	0	95.7	87.8	120			
1,1-Dichloroethene	19.58	µg/L	1.0	20	0	97.9	90.3	138			
Trichloroethene (TCE)	17.95	µg/L	1.0	20	0	89.8	64	129			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: PW-3 **Work Order:** 1010069

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23981		*MBLK*					Batch ID: **23981**		Analysis Date: **10/10/2010 5:29:58 PM**		
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Bu[redacted]enzyl phthalate	ND	µg/L	10								
Ca[redacted]ble	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	5.0								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	5.0								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	5.0								
2,4-Dinitrotoluene	ND	µg/L	5.0								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
He[redacted]lorobenzene	ND	µg/L	5.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: PW-3 **Work Order:** 1010069

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23981		*MBLK*				Batch ID:	**23981**	Analysis Date:	10/10/2010 5:29:58 PM		
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
Pentachlorophenol	ND	µg/L	5.0								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-23981		*LCS*				Batch ID:	**23981**	Analysis Date:	10/10/2010 6:00:33 PM		
Acenaphthene	60.90	µg/L	10	100	0	60.9	29.3	113			
4-Chloro-3-methylphenol	64.16	µg/L	10	100	0	64.2	23.3	123			
2-Chlorophenol	59.36	µg/L	10	100	0	59.4	23.9	112			
1,4-Dichlorobenzene	48.68	µg/L	10	100	0	48.7	16.5	106			
2,4-Dinitrotoluene	72.30	µg/L	10	100	0	72.3	27.7	126			
N-Nitrosodi-n-propylamine	66.86	µg/L	10	100	0	66.9	25.9	113			
4-Nitrophenol	46.16	µg/L	10	100	0	46.2	13.2	76.7			
Pentachlorophenol	63.12	µg/L	20	100	0	63.1	22.4	121			
Phenol	39.22	µg/L	10	100	0	39.2	15.3	68.3			
Pyrene	65.44	µg/L	10	100	0	65.4	23.5	119			
1,2,4-Trichlorobenzene	55.10	µg/L	10	100	0	55.1	23	107			
Sample ID: lcsd-23981		*LCSD*				Batch ID:	**23981**	Analysis Date:	10/10/2010 6:30:55 PM		
Acenaphthene	59.30	µg/L	10	100	0	59.3	29.3	113	2.66	30.5	
4-Chloro-3-methylphenol	63.88	µg/L	10	100	0	63.9	23.3	123	0.437	28.6	
2-Chlorophenol	54.34	µg/L	10	100	0	54.3	23.9	112	8.83	107	
1,4-Dichlorobenzene	42.56	µg/L	10	100	0	42.6	16.5	106	13.4	62.1	
2,4-Dinitrotoluene	74.84	µg/L	10	100	0	74.8	27.7	126	3.45	14.7	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: PW-3 **Work Order:** 1010069

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23981		*LCSD*				**Batch ID: 23981**		**Analysis Date: 10/10/2010 6:30:55 PM**			
N-Nitrosodi-n-propylamine	62.88	µg/L	10	100	0	62.9	25.9	113	6.14	30.3	
4-Nitrophenol	45.04	µg/L	10	100	0	45.0	13.2	76.7	2.46	36.3	
Pentachlorophenol	62.84	µg/L	20	200	0	31.4	22.4	121	0.445	49	
Phenol	34.72	µg/L	10	100	0	34.7	15.3	68.3	12.2	52.4	
Pyrene	64.78	µg/L	10	100	0	64.8	23.5	119	1.01	16.3	
1,2,4-Trichlorobenzene	54.74	µg/L	10	100	0	54.7	23	107	0.655	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-24114		*MBLK*				**Batch ID: 24114**		**Analysis Date: 10/14/2010 12:52:15 PM**			
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-24114		*LCS*				**Batch ID: 24114**		**Analysis Date: 10/14/2010 12:53:59 PM**			
Mercury	0.004994	mg/L	0.00020	0.005	1E-05	99.6	80	120			
Sample ID: LCS-24114		*LCS*				**Batch ID: 24114**		**Analysis Date: 10/14/2010 12:55:45 PM**			
Mercury	0.005003	mg/L	0.00020	0.005	1E-05	99.8	80	120	0.182	0	
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*				**Batch ID: R41653**		**Analysis Date: 10/19/2010 1:48:38 PM**			
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*				**Batch ID: R41653**		**Analysis Date: 10/19/2010 1:51:24 PM**			
Arsenic	0.5373	mg/L	0.020	0.5	0	107	80	120			
Barium	0.5067	mg/L	0.020	0.5	0	101	80	120			
Cadmium	0.5260	mg/L	0.0020	0.5	0	105	80	120			
Chromium	0.5159	mg/L	0.0060	0.5	0	103	80	120			
Lead	0.5183	mg/L	0.0050	0.5	0	104	80	120			
Manganese	0.5046	mg/L	0.0020	0.5	0	101	80	120			
Selenium	0.5181	mg/L	0.050	0.5	0	104	80	120			
Silver	0.5293	mg/L	0.0050	0.5	0	106	80	120			
Zinc	0.5090	mg/L	0.050	0.5	0	102	80	120			
Sample ID: LCS		*LCS*				**Batch ID: R41653**		**Analysis Date: 10/19/2010 1:54:42 PM**			
Calcium	58.95	mg/L	1.0	50.5	0.0187	117	80	120			
Magnesium	59.45	mg/L	1.0	50.5	0.0159	118	80	120			
Sodium	58.47	mg/L	1.0	50.5	0.0601	116	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: PW-3 **Work Order:** 1010069

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: **EPA 6010B: Total Recoverable Metals**											
Sample ID: **MB-23988**		*MBLK*				**Batch ID:**	**23988**	**Analysis Date:**	10/6/2010 11:49:54 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: **LCS-23988**		*LCS*				**Batch ID:**	**23988**	**Analysis Date:**	10/6/2010 11:52:57 AM		
Arsenic	0.5252	mg/L	0.020	0.5	0	105	80	120			
Barium	0.5064	mg/L	0.020	0.5	0	101	80	120			
Cadmium	0.5146	mg/L	0.0020	0.5	0	103	80	120			
Chromium	0.5126	mg/L	0.0060	0.5	0	103	80	120			
Copper	0.5711	mg/L	0.0060	0.5	0	114	80	120			
Iron	0.5074	mg/L	0.050	0.5	0	101	80	120			
Lead	0.5063	mg/L	0.0050	0.5	0	101	80	120			
Manganese	0.5049	mg/L	0.0020	0.5	0	101	80	120			
Selenium	0.4908	mg/L	0.050	0.5	0	98.2	80	120			
Silver	0.5257	mg/L	0.0050	0.5	0	105	80	120			
Zinc	0.4908	mg/L	0.020	0.5	0	98.2	80	120			
Sample ID: **LCS-23988**		*LCS*				**Batch ID:**	**23988**	**Analysis Date:**	10/6/2010 11:56:09 AM		
Arsenic	0.5351	mg/L	0.020	0.5	0	107	80	120			
Barium	0.5162	mg/L	0.020	0.5	0	103	80	120			
Cadmium	0.5193	mg/L	0.0020	0.5	0	104	80	120			
Chromium	0.5224	mg/L	0.0060	0.5	0	104	80	120			
Copper	0.5810	mg/L	0.0060	0.5	0	116	80	120			
Iron	0.5151	mg/L	0.050	0.5	0	103	80	120			
Lead	0.5118	mg/L	0.0050	0.5	0	102	80	120			
Manganese	0.5141	mg/L	0.0020	0.5	0	103	80	120			
Selenium	0.4947	mg/L	0.050	0.5	0	98.9	80	120			
Silver	0.5343	mg/L	0.0050	0.5	0	107	80	120			
Zinc	0.4997	mg/L	0.020	0.5	0	99.9	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 9/24/2010

Work Order Number 1010069

Received by: AMG

Checklist completed by: Signature 09/24/10 Date

Sample ID labels checked by: Initials

Matrix: Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1.4°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: 5 1

(<2 >12 unless noted below:)

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup, NM

Phone #: 505, 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: PW-3

Project #:

Project Manager: Cheryl Johnson

Sampler: CJohnson

On Ice: ☒ Yes ☐ No 6-9240

Sample Temperature: 0.4 + 1.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1010569
7/23/10	1040	H2O	PW-3			-1
	1030		Field Blank			-2
			TRIP Blank			-3

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions ($F, Cl, NO_3, NO_2, PO_4, SO_4$)	8081 Pesticides / 8082 PCB's	8260B (VOA) +MTBE	8270 (Semi-VOA) +Phenols	+WQCC Metals Total	Dissol.	Cyanide	Nitrates	Air Bubbles (Y or N)
									X	X	X		X	X	
									X						
									X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
7/23/10	1100			9/24/10	13:47
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.

PW-3

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Saturday, November 13, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: Resample

Order No.: 1011030

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 11/1/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

S-1410

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Nov-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011030
Project: Resample
Lab ID: 1011030-01

Client Sample ID: PW-3
Collection Date: 11/1/2010 8:00:00 AM
Date Received: 11/1/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Acenaphthylene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Aniline	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Anthracene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Azobenzene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Benz(a)anthracene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Benzo(a)pyrene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Benzo(b)fluoranthene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Benzo(g,h,i)perylene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Benzo(k)fluoranthene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Benzoic acid	ND	20		µg/L	1	11/10/2010 11:30:07 AM
Benzyl alcohol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	11/10/2010 11:30:07 AM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Butyl benzyl phthalate	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Carbazole	ND	10		µg/L	1	11/10/2010 11:30:07 AM
4-Chloro-3-methylphenol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
4-Chloroaniline	ND	10		µg/L	1	11/10/2010 11:30:07 AM
2-Chloronaphthalene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
2-Chlorophenol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Chrysene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Di-n-butyl phthalate	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Di-n-octyl phthalate	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Dibenz(a,h)anthracene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Dibenzofuran	ND	10		µg/L	1	11/10/2010 11:30:07 AM
1,2-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
1,3-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
1,4-Dichlorobenzene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Diethyl phthalate	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Dimethyl phthalate	ND	10		µg/L	1	11/10/2010 11:30:07 AM
2,4-Dichlorophenol	ND	20		µg/L	1	11/10/2010 11:30:07 AM
2,4-Dimethylphenol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	11/10/2010 11:30:07 AM
2,4-Dinitrophenol	ND	20		µg/L	1	11/10/2010 11:30:07 AM
2,4-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
2,6-Dinitrotoluene	ND	10		µg/L	1	11/10/2010 11:30:07 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Nov-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1011030
Project: Resample
Lab ID: 1011030-01

Client Sample ID: PW-3
Collection Date: 11/1/2010 8:00:00 AM
Date Received: 11/1/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluoranthene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Fluorene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Hexachlorobenzene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Hexachlorobutadiene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Hexachlorocyclopentadiene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Hexachloroethane	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Isophorone	ND	10		µg/L	1	11/10/2010 11:30:07 AM
2-Methylnaphthalene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
2-Methylphenol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
3+4-Methylphenol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	11/10/2010 11:30:07 AM
N-Nitrosodimethylamine	ND	10		µg/L	1	11/10/2010 11:30:07 AM
N-Nitrosodiphenylamine	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Naphthalene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
2-Nitroaniline	ND	10		µg/L	1	11/10/2010 11:30:07 AM
3-Nitroaniline	ND	10		µg/L	1	11/10/2010 11:30:07 AM
4-Nitroaniline	ND	20		µg/L	1	11/10/2010 11:30:07 AM
Nitrobenzene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
2-Nitrophenol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
4-Nitrophenol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Pentachlorophenol	ND	20		µg/L	1	11/10/2010 11:30:07 AM
Phenanthrene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Phenol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Pyrene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Pyridine	ND	10		µg/L	1	11/10/2010 11:30:07 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	11/10/2010 11:30:07 AM
2,4,5-Trichlorophenol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
2,4,6-Trichlorophenol	ND	10		µg/L	1	11/10/2010 11:30:07 AM
Surr: 2,4,6-Tribromophenol	70.2	17.5-104		%REC	1	11/10/2010 11:30:07 AM
Surr: 2-Fluorobiphenyl	77.3	30.9-98.9		%REC	1	11/10/2010 11:30:07 AM
Surr: 2-Fluorophenol	66.2	12.4-90.1		%REC	1	11/10/2010 11:30:07 AM
Surr: 4-Terphenyl-d14	75.9	43.5-91.9		%REC	1	11/10/2010 11:30:07 AM
Surr: Nitrobenzene-d5	89.9	26.2-108		%REC	1	11/10/2010 11:30:07 AM
Surr: Phenol-d5	46.3	11.8-73.1		%REC	1	11/10/2010 11:30:07 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Resample **Work Order:** 1011030

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24419		*MBLK*				**Batch ID: 24419**		**Analysis Date: 11/10/2010 10:01:04 AM**			
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	5.0								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	5.0								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	5.0								
2,4-Dinitrotoluene	ND	µg/L	5.0								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	5.0								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Resample **Work Order:** 1011030

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24419		*MBLK*					**Batch ID: 24419**		**Analysis Date:**	11/10/2010 10:01:04 AM	
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	5.0								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	5.0								
3+4-Methylphenol	ND	µg/L	5.0								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	10								
Nitrobenzene	ND	µg/L	5.0								
2-Nitrophenol	ND	µg/L	10								
4-Nitrophenol	ND	µg/L	10								
[redacted]achlorophenol	ND	µg/L	5.0								
Phenanthrene	ND	µg/L	10								
Phenol	ND	µg/L	10								
Pyrene	ND	µg/L	10								
Pyridine	ND	µg/L	5.0								
1,2,4-Trichlorobenzene	ND	µg/L	10								
2,4,5-Trichlorophenol	ND	µg/L	10								
2,4,6-Trichlorophenol	ND	µg/L	10								
Sample ID: lcs-24419		*LCS*					**Batch ID: 24419**		**Analysis Date:**	11/10/2010 10:30:41 AM	
Acenaphthene	83.36	µg/L	10	100	0	83.4	31	99.4			
4-Chloro-3-methylphenol	96.38	µg/L	10	100	0	96.4	34.3	111			
2-Chlorophenol	89.28	µg/L	10	100	0	89.3	24.1	98.7			
1,4-Dichlorobenzene	60.14	µg/L	10	100	0	60.1	20.6	85.6			
2,4-Dinitrotoluene	93.84	µg/L	10	100	0	93.8	26.6	126			
N-Nitrosodi-n-propylamine	88.92	µg/L	10	100	0	88.9	29.2	94.4			
4-Nitrophenol	57.20	µg/L	10	100	0	57.2	9.87	86			
Pentachlorophenol	86.02	µg/L	20	100	0	86.0	20	97.8			
Phenol	57.60	µg/L	10	100	0	57.6	17.5	60.5			
Pyrene	97.58	µg/L	10	100	0	97.6	46.8	92.2			S
1,2,4-Trichlorobenzene	79.22	µg/L	10	100	0	79.2	25.2	92.3			
Sample ID: lcsd-24419		*LCSD*					**Batch ID: 24419**		**Analysis Date:**	11/10/2010 11:00:22 AM	
Acenaphthene	84.14	µg/L	10	100	0	84.1	31	99.4	0.931	30	
4-Chloro-3-methylphenol	95.06	µg/L	10	100	0	95.1	34.3	111	1.38	30.8	
2-Chlorophenol	96.30	µg/L	10	100	0	96.3	24.1	98.7	7.57	31	
1,4-Dichlorobenzene	61.40	µg/L	10	100	0	61.4	20.6	85.6	2.07	37	
[redacted]Dinitrotoluene	93.00	µg/L	10	100	0	93.0	26.6	126	0.899	34.5	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Resample **Work Order:** 1011030

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-24419		*LCSD*				Batch ID:	**24419**	Analysis Date:		11/10/2010 11:00:22 AM	
N-Nitrosodi-n-propylamine	92.20	µg/L	10	100	0	92.2	29.2	94.4	3.62	30.8	
4-Nitrophenol	52.66	µg/L	10	100	0	52.7	9.87	86	8.27	61.1	
Pentachlorophenol	81.32	µg/L	20	100	0	81.3	20	97.8	5.62	64.8	
Phenol	60.22	µg/L	10	100	0	60.2	17.5	60.5	4.45	31.4	
Pyrene	97.92	µg/L	10	100	0	97.9	46.8	92.2	0.348	29.8	S
1,2,4-Trichlorobenzene	76.08	µg/L	10	100	0	76.1	25.2	92.3	4.04	30.9	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 11/1/2010

Work Order Number 1011030 | Received by: AMG

Checklist completed by: Signature 11/1/10 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**1.0°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining
Gallup Refinery
Mailing Address: Rt 3 Box 7
Gallup, NM 87301
Phone #: 505-722-3833
email or Fax#: 505-722-0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Resample
Project #: PW-3
Project Manager: Cheryl Johnson
Sampler: C Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 4°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1204030	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
11/1/10	0800	WTR	PW-3			-1											X	

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/1/10	0830			11-1-10	0830
11-1-10	1200			11/1/10	1300

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

PW-4

COVER LETTER

Tuesday, August 17, 2010

Cheryl Johnson
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0231
FAX (505) 722-0210

RE: 2010 Annual

Order No.: 1007A15

Dear Cheryl Johnson:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 7/29/2010 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology.

Please do not hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1007A15	**Collection Date:**	7/28/2010 10:28:00 AM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SRM**
Fluoride	2.8	0.10		mg/L	1	8/6/2010 6:24:10 AM
Chloride	89	10		mg/L	20	7/29/2010 10:34:40 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	7/29/2010 10:17:16 PM
Bromide	0.21	0.10		mg/L	1	7/29/2010 10:17:16 PM
Nitrogen, Nitrate (As N)	0.30	0.10		mg/L	1	7/29/2010 10:17:16 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	7/29/2010 10:17:16 PM
Sulfate	1100	25		mg/L	50	7/31/2010 12:58:52 AM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	8/3/2010 6:22:01 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/2/2010 12:16:33 PM
Barium	ND	0.020		mg/L	1	8/2/2010 12:16:33 PM
Cadmium	ND	0.0020		mg/L	1	8/2/2010 12:16:33 PM
Calcium	12	1.0		mg/L	1	8/2/2010 12:16:33 PM
Chromium	ND	0.0060		mg/L	1	8/2/2010 12:16:33 PM
Copper	ND	0.0060		mg/L	1	8/2/2010 12:16:33 PM
Iron	ND	0.020		mg/L	1	8/2/2010 12:16:33 PM
Lead	ND	0.0050		mg/L	1	8/2/2010 12:16:33 PM
Magnesium	1.3	1.0		mg/L	1	8/2/2010 12:16:33 PM
Manganese	0.016	0.0020		mg/L	1	8/2/2010 12:16:33 PM
Potassium	1.8	1.0		mg/L	1	8/2/2010 12:16:33 PM
Selenium	ND	0.050		mg/L	1	8/2/2010 12:16:33 PM
Silver	ND	0.0050		mg/L	1	8/2/2010 12:16:33 PM
Sodium	630	10		mg/L	10	8/2/2010 1:24:56 PM
Zinc	ND	0.050		mg/L	1	8/2/2010 12:16:33 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/4/2010 12:21:39 PM
Barium	ND	0.020		mg/L	1	8/4/2010 12:21:39 PM
Cadmium	ND	0.0020		mg/L	1	8/4/2010 12:21:39 PM
Chromium	ND	0.0060		mg/L	1	8/4/2010 12:21:39 PM
Copper	ND	0.0060		mg/L	1	8/4/2010 12:21:39 PM
Iron	ND	0.050		mg/L	1	8/4/2010 12:21:39 PM
Lead	ND	0.0050		mg/L	1	8/4/2010 12:21:39 PM
Manganese	0.016	0.0020		mg/L	1	8/4/2010 12:21:39 PM
Selenium	ND	0.050		mg/L	1	8/4/2010 12:21:39 PM
Silver	ND	0.0050		mg/L	1	8/4/2010 12:21:39 PM
Zinc	ND	0.020		mg/L	1	8/4/2010 12:21:39 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1007A15
Project: 2010 Annual
Lab ID: 1007A15-01

Client Sample ID: OW-11
Collection Date: 7/28/2010 10:28:00 AM
Date Received: 7/29/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Acenaphthylene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Aniline	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Anthracene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Azobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benz(a)anthracene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benzo(a)pyrene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benzo(g,h,i)perylene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Benzoic acid	ND	20		µg/L	1	8/3/2010 12:22:24 PM
Benzyl alcohol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Butyl benzyl phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Carbazole	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Chloroaniline	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Chloronaphthalene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Chlorophenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Chrysene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Di-n-butyl phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Di-n-octyl phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Dibenzofuran	ND	10		µg/L	1	8/3/2010 12:22:24 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Diethyl phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Dimethyl phthalate	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2,4-Dichlorophenol	ND	20		µg/L	1	8/3/2010 12:22:24 PM
2,4-Dimethylphenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	8/3/2010 12:22:24 PM
2,4-Dinitrophenol	ND	20		µg/L	1	8/3/2010 12:22:24 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	8/3/2010 12:22:24 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
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- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1007A15	**Collection Date:**	7/28/2010 10:28:00 AM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluoranthene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Fluorene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Hexachlorobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Hexachlorobutadiene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Hexachloroethane	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Isophorone	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Methylnaphthalene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Methylphenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
3+4-Methylphenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	8/3/2010 12:22:24 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	8/3/2010 12:22:24 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Naphthalene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:22:24 PM
3-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Nitrobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2-Nitrophenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
4-Nitrophenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Pentachlorophenol	ND	20		µg/L	1	8/3/2010 12:22:24 PM
Phenanthrene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Phenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Pyrene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Pyridine	ND	10		µg/L	1	8/3/2010 12:22:24 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	8/3/2010 12:22:24 PM
Surr: 2,4,6-Tribromophenol	59.1	16.6-150		%REC	1	8/3/2010 12:22:24 PM
Surr: 2-Fluorobiphenyl	55.8	19.6-134		%REC	1	8/3/2010 12:22:24 PM
Surr: 2-Fluorophenol	44.7	9.54-113		%REC	1	8/3/2010 12:22:24 PM
Surr: 4-Terphenyl-d14	60.2	22.7-145		%REC	1	8/3/2010 12:22:24 PM
Surr: Nitrobenzene-d5	59.1	14.6-134		%REC	1	8/3/2010 12:22:24 PM
Surr: Phenol-d5	36.8	10.7-80.3		%REC	1	8/3/2010 12:22:24 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Toluene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Ethylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1007A15	**Collection Date:**	7/28/2010 10:28:00 AM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Naphthalene	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 12:35:17 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 12:35:17 PM
Acetone	ND	10		µg/L	1	7/31/2010 12:35:17 PM
Bromobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Bromoform	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Bromomethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
2-Butanone	ND	10		µg/L	1	7/31/2010 12:35:17 PM
Carbon disulfide	ND	10		µg/L	1	7/31/2010 12:35:17 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Chlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Chloroethane	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
Chloroform	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Chloromethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Dibromomethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
2-Hexanone	ND	10		µg/L	1	7/31/2010 12:35:17 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/31/2010 12:35:17 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	1007A15	**Collection Date:**	7/28/2010 10:28:00 AM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Methylene Chloride	ND	3.0		µg/L	1	7/31/2010 12:35:17 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Styrene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/31/2010 12:35:17 PM
Vinyl chloride	ND	1.0		µg/L	1	7/31/2010 12:35:17 PM
Xylenes, Total	ND	1.5		µg/L	1	7/31/2010 12:35:17 PM
Surr: 1,2-Dichloroethane-d4	107	54.6-141		%REC	1	7/31/2010 12:35:17 PM
Surr: 4-Bromofluorobenzene	123	60.1-133		%REC	1	7/31/2010 12:35:17 PM
Surr: Dibromofluoromethane	103	78.5-130		%REC	1	7/31/2010 12:35:17 PM
Surr: Toluene-d8	109	79.5-126		%REC	1	7/31/2010 12:35:17 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **BDH**
Specific Conductance	2800	0.010		µmhos/cm	1	7/30/2010 10:58:21 AM
SM4500-H+B: PH						Analyst: **BDH**
pH	8.39	0.1		pH units	1	7/30/2010 10:58:21 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007A15	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Toluene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Ethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Naphthalene	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:02:50 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:02:50 PM
Acetone	ND	10		µg/L	1	7/31/2010 1:02:50 PM
Bromobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Bromoform	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Bromomethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
2-Butanone	ND	10		µg/L	1	7/31/2010 1:02:50 PM
Carbon disulfide	ND	10		µg/L	1	7/31/2010 1:02:50 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Chlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Chloroethane	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
Chloroform	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Chloromethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Dibromomethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	1007A15	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-02	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/31/2010 1:02:50 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/31/2010 1:02:50 PM
Methylene Chloride	ND	3.0		µg/L	1	7/31/2010 1:02:50 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Styrene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/31/2010 1:02:50 PM
Vinyl chloride	ND	1.0		µg/L	1	7/31/2010 1:02:50 PM
Xylenes, Total	ND	1.5		µg/L	1	7/31/2010 1:02:50 PM
Surr: 1,2-Dichloroethane-d4	106	54.6-141		%REC	1	7/31/2010 1:02:50 PM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	1	7/31/2010 1:02:50 PM
Surr: Dibromofluoromethane	102	78.5-130		%REC	1	7/31/2010 1:02:50 PM
Surr: Toluene-d8	101	79.5-126		%REC	1	7/31/2010 1:02:50 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT: Western Refining Southwest, Gallup
Client Sample ID: FIELD BLANK
Lab Order: 1007A15
Collection Date:
Project: 2010 Annual
Date Received: 7/29/2010
Lab ID: 1007A15-03
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Toluene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Ethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Naphthalene	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:30:25 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:30:25 PM
Acetone	ND	10		µg/L	1	7/31/2010 1:30:25 PM
Bromobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Bromoform	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Bromomethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
2-Butanone	ND	10		µg/L	1	7/31/2010 1:30:25 PM
Carbon disulfide	ND	10		µg/L	1	7/31/2010 1:30:25 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Chlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Chloroethane	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
Chloroform	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Chloromethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Dibromomethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	FIELD BLANK
Lab Order:	1007A15	**Collection Date:**	
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Hexanone	ND	10		µg/L	1	7/31/2010 1:30:25 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/31/2010 1:30:25 PM
Methylene Chloride	ND	3.0		µg/L	1	7/31/2010 1:30:25 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Styrene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/31/2010 1:30:25 PM
Vinyl chloride	ND	1.0		µg/L	1	7/31/2010 1:30:25 PM
Xylenes, Total	ND	1.5		µg/L	1	7/31/2010 1:30:25 PM
Surr: 1,2-Dichloroethane-d4	106	54.6-141		%REC	1	7/31/2010 1:30:25 PM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	1	7/31/2010 1:30:25 PM
Surr: Dibromofluoromethane	106	78.5-130		%REC	1	7/31/2010 1:30:25 PM
Surr: Toluene-d8	105	79.5-126		%REC	1	7/31/2010 1:30:25 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-4
Lab Order:	1007A15	**Collection Date:**	7/28/2010 2:29:00 PM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **LJB**
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	7/29/2010 10:52:05 PM
Nitrogen, Nitrate (As N)	0.14	0.10		mg/L	1	7/29/2010 10:52:05 PM
EPA METHOD 7470: MERCURY						Analyst: **IC**
Mercury	ND	0.00020		mg/L	1	8/3/2010 6:23:47 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/2/2010 12:20:52 PM
Barium	ND	0.020		mg/L	1	8/2/2010 12:20:52 PM
Cadmium	ND	0.0020		mg/L	1	8/2/2010 12:20:52 PM
Chromium	ND	0.0060		mg/L	1	8/2/2010 12:20:52 PM
Copper	ND	0.0060		mg/L	1	8/2/2010 12:20:52 PM
Iron	0.090	0.020		mg/L	1	8/2/2010 12:20:52 PM
Lead	ND	0.0050		mg/L	1	8/2/2010 12:20:52 PM
Manganese	0.0036	0.0020		mg/L	1	8/2/2010 12:20:52 PM
Selenium	ND	0.050		mg/L	1	8/2/2010 12:20:52 PM
Silver	ND	0.0050		mg/L	1	8/2/2010 12:20:52 PM
Zinc	0.086	0.050		mg/L	1	8/2/2010 12:20:52 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **SNV**
Arsenic	ND	0.020		mg/L	1	8/4/2010 12:41:37 PM
Barium	ND	0.020		mg/L	1	8/4/2010 12:41:37 PM
Cadmium	ND	0.0020		mg/L	1	8/4/2010 12:41:37 PM
Chromium	ND	0.0060		mg/L	1	8/4/2010 12:41:37 PM
Copper	ND	0.0060		mg/L	1	8/4/2010 12:41:37 PM
Iron	0.23	0.050		mg/L	1	8/4/2010 12:41:37 PM
Lead	ND	0.0050		mg/L	1	8/4/2010 12:41:37 PM
Manganese	0.0044	0.0020		mg/L	1	8/4/2010 12:41:37 PM
Selenium	ND	0.050		mg/L	1	8/4/2010 12:41:37 PM
Silver	ND	0.0050		mg/L	1	8/4/2010 12:41:37 PM
Zinc	ND	0.020		mg/L	1	8/4/2010 12:41:37 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Acenaphthylene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Aniline	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Anthracene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Azobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Benz(a)anthracene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Benzo(a)pyrene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Benzo(b)fluoranthene	ND	10		µg/L	1	8/3/2010 12:52:35 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-4
Lab Order:	1007A15	**Collection Date:**	7/28/2010 2:29:00 PM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Benzo(g,h,i)perylene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Benzo(k)fluoranthene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Benzoic acid	ND	20		µg/L	1	8/3/2010 12:52:35 PM
Benzyl alcohol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Bis(2-chloroethyl)ether	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Bromophenyl phenyl ether	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Butyl benzyl phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Carbazole	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Chloro-3-methylphenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Chloroaniline	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2-Chloronaphthalene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2-Chlorophenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Chrysene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Di-n-butyl phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Di-n-octyl phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Dibenz(a,h)anthracene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Dibenzofuran	ND	10		µg/L	1	8/3/2010 12:52:35 PM
1,2-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
1,3-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
1,4-Dichlorobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
3,3'-Dichlorobenzidine	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Diethyl phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Dimethyl phthalate	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2,4-Dichlorophenol	ND	20		µg/L	1	8/3/2010 12:52:35 PM
2,4-Dimethylphenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	8/3/2010 12:52:35 PM
2,4-Dinitrophenol	ND	20		µg/L	1	8/3/2010 12:52:35 PM
2,4-Dinitrotoluene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2,6-Dinitrotoluene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Fluoranthene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Fluorene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Hexachlorobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Hexachlorobutadiene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Hexachlorocyclopentadiene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Hexachloroethane	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Isophorone	ND	10		µg/L	1	8/3/2010 12:52:35 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-4
Lab Order:	1007A15	**Collection Date:**	7/28/2010 2:29:00 PM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Methylnaphthalene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2-Methylphenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
3+4-Methylphenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	8/3/2010 12:52:35 PM
N-Nitrosodimethylamine	ND	10		µg/L	1	8/3/2010 12:52:35 PM
N-Nitrosodiphenylamine	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Naphthalene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:52:35 PM
3-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Nitroaniline	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Nitrobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2-Nitrophenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
4-Nitrophenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Pentachlorophenol	ND	20		µg/L	1	8/3/2010 12:52:35 PM
Phenanthrene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Phenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Pyrene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Pyridine	ND	10		µg/L	1	8/3/2010 12:52:35 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2,4,5-Trichlorophenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
2,4,6-Trichlorophenol	ND	10		µg/L	1	8/3/2010 12:52:35 PM
Surr: 2,4,6-Tribromophenol	42.8	16.6-150		%REC	1	8/3/2010 12:52:35 PM
Surr: 2-Fluorobiphenyl	47.6	19.6-134		%REC	1	8/3/2010 12:52:35 PM
Surr: 2-Fluorophenol	43.9	9.54-113		%REC	1	8/3/2010 12:52:35 PM
Surr: 4-Terphenyl-d14	47.7	22.7-145		%REC	1	8/3/2010 12:52:35 PM
Surr: Nitrobenzene-d5	42.3	14.6-134		%REC	1	8/3/2010 12:52:35 PM
Surr: Phenol-d5	36.6	10.7-80.3		%REC	1	8/3/2010 12:52:35 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Toluene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Ethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Naphthalene	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:57:59 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	7/31/2010 1:57:59 PM
Acetone	ND	10		µg/L	1	7/31/2010 1:57:59 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-4
Lab Order:	1007A15	**Collection Date:**	7/28/2010 2:29:00 PM
Project:	2010 Annual	**Date Received:**	7/29/2010
Lab ID:	1007A15-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Bromobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Bromodichloromethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Bromoform	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Bromomethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
2-Butanone	ND	10		µg/L	1	7/31/2010 1:57:59 PM
Carbon disulfide	ND	10		µg/L	1	7/31/2010 1:57:59 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Chlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Chloroethane	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM
Chloroform	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Chloromethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
2-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
4-Chlorotoluene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
cis-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM
Dibromochloromethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Dibromomethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
2-Hexanone	ND	10		µg/L	1	7/31/2010 1:57:59 PM
Isopropylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	7/31/2010 1:57:59 PM
Methylene Chloride	ND	3.0		µg/L	1	7/31/2010 1:57:59 PM
n-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
n-Propylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
sec-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Styrene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
tert-Butylbenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- B Analyte detected in the associated Method Blank
- E Estimated value
- H Holding times for preparation or analysis exceeded
- J Analyte detected below quantitation limits
- MCL Maximum Contaminant Level
- NC Non-Chlorinated
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitation Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Aug-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1007A15
Project: 2010 Annual
Lab ID: 1007A15-04

Client Sample ID: PW-4
Collection Date: 7/28/2010 2:29:00 PM
Date Received: 7/29/2010
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
trans-1,2-DCE	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	7/31/2010 1:57:59 PM
Vinyl chloride	ND	1.0		µg/L	1	7/31/2010 1:57:59 PM
Xylenes, Total	ND	1.5		µg/L	1	7/31/2010 1:57:59 PM
Surr: 1,2-Dichloroethane-d4	108	54.6-141		%REC	1	7/31/2010 1:57:59 PM
Surr: 4-Bromofluorobenzene	117	60.1-133		%REC	1	7/31/2010 1:57:59 PM
Surr: Dibromofluoromethane	106	78.5-130		%REC	1	7/31/2010 1:57:59 PM
Surr: Toluene-d8	103	79.5-126		%REC	1	7/31/2010 1:57:59 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- NC Non-Chlorinated
- PQL Practical Quantitation Limit
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100730031
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007A15
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100730031-001	**Sampling Date**	7/28/2010	**Date/Time Received**	7/30/2010	11:15 AM	
Client Sample ID	1007A15-01E / OW-11	**Sampling Time**	10:28 AM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.236	mg/L	0.001	8/4/2010	JTT	EPA 6020A	

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100730031
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007A15
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100730031-002	**Sampling Date**	7/28/2010	**Date/Time Received**	7/30/2010	11:15 AM	
Client Sample ID	1007A15-01G / OW-11	**Sampling Time**	10:28 AM				
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.215	mg/L	0.001	8/10/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100730031
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007A15
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100730031-003	**Sampling Date**	7/28/2010	**Date/Time Received**	7/30/2010	11:15 AM
Client Sample ID	1007A15-04E / PW-4	**Sampling Time**	2:29 PM			
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00210	mg/L	0.001	8/4/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100730031
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007A15
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100730031-004	**Sampling Date**	7/28/2010	**Date/Time Received**	7/30/2010 11:15 AM
Client Sample ID	1007A15-04G / PW-4	**Sampling Time**	2:29 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Dissolved Uranium	0.00146	mg/L	0.001	8/10/2010	JTT	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	100730031
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	1007A15
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	100730031-005	**Sampling Date**	7/28/2010	**Date/Time Received**	7/30/2010 11:15 AM
Client Sample ID	1007A15-04H / PW-4	**Sampling Time**	2:29 PM		
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	8/6/2010	MAS	EPA 335.4	

Authorized Signature

John Coddington, Lab Manager

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

This report shall not be reproduced except in full, without the written approval of the laboratory.
The results reported relate only to the samples indicated.
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions											
Sample ID: MB		*MBLK*				**Batch ID: R40134**		**Analysis Date: 7/30/2010 12:30:16 PM**			
Fluoride	ND	mg/L	0.10								
Chloride	ND	mg/L	0.50								
Nitrogen, Nitrite (As N)	ND	mg/L	0.10								
Bromide	ND	mg/L	0.10								
Nitrogen, Nitrate (As N)	ND	mg/L	0.10								
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50								
Sulfate	ND	mg/L	0.50								
Sample ID: LCS-b		*LCS*				**Batch ID: R40106**		**Analysis Date: 7/29/2010 2:27:11 PM**			
Chloride	5.075	mg/L	0.50	5	0	101	90	110			
Nitrogen, Nitrite (As N)	1.032	mg/L	0.10	1	0	103	90	110			
Bromide	2.582	mg/L	0.10	2.5	0	103	90	110			
Nitrogen, Nitrate (As N)	2.585	mg/L	0.10	2.5	0	103	90	110			
Phosphorus, Orthophosphate (As P)	5.168	mg/L	0.50	5	0	103	90	110			
Sulfate	10.35	mg/L	0.50	10	0	103	90	110			
Sample ID: LCS		*LCS*				**Batch ID: R40134**		**Analysis Date: 7/30/2010 12:47:41 PM**			
Chloride	4.686	mg/L	0.50	5	0	93.7	90	110			
Nitrogen, Nitrite (As N)	0.9677	mg/L	0.10	1	0	96.8	90	110			
Nitrogen, Nitrate (As N)	2.341	mg/L	0.10	2.5	0	93.6	90	110			
[redacted]horus, Orthophosphate (As P)	4.701	mg/L	0.50	5	0	94.0	90	110			
[redacted]e	9.580	mg/L	0.50	10	0	95.8	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b10		*MBLK*					**Batch ID: R40131**		**Analysis Date:**	7/30/2010 2:47:13 PM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b10		*MBLK*					Batch ID: **R40131**		Analysis Date:	7/30/2010 2:47:13 PM	
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
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: b19		*MBLK*					Batch ID: **R40131**		Analysis Date:	7/31/2010 3:24:11 AM	
Benzene	ND	µg/L	1.0								
Toluene	ND	µg/L	1.0								
Ethylbenzene	ND	µg/L	1.0								
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0								
1,2,4-Trimethylbenzene	ND	µg/L	1.0								
1,3,5-Trimethylbenzene	ND	µg/L	1.0								
1,2-Dichloroethane (EDC)	ND	µg/L	1.0								
1,2-Dibromoethane (EDB)	ND	µg/L	1.0								
Naphthalene	ND	µg/L	2.0								
1-Methylnaphthalene	ND	µg/L	4.0								
2-Methylnaphthalene	ND	µg/L	4.0								
Acetone	ND	µg/L	10								
Bromobenzene	ND	µg/L	1.0								
Bromodichloromethane	ND	µg/L	1.0								
Bromoform	ND	µg/L	1.0								
Bromomethane	ND	µg/L	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	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: b19		*MBLK*					Batch ID: **R40131**		Analysis Date:	7/31/2010 3:24:11 AM	
Chloromethane	ND	µg/L	1.0								
2-Chlorotoluene	ND	µg/L	1.0								
4-Chlorotoluene	ND	µg/L	1.0								
cis-1,2-DCE	ND	µg/L	1.0								
cis-1,3-Dichloropropene	ND	µg/L	1.0								
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0								
Dibromochloromethane	ND	µg/L	1.0								
Dibromomethane	ND	µg/L	1.0								
1,2-Dichlorobenzene	ND	µg/L	1.0								
1,3-Dichlorobenzene	ND	µg/L	1.0								
1,4-Dichlorobenzene	ND	µg/L	1.0								
Dichlorodifluoromethane	ND	µg/L	1.0								
1,1-Dichloroethane	ND	µg/L	1.0								
1,1-Dichloroethene	ND	µg/L	1.0								
1,2-Dichloropropane	ND	µg/L	1.0								
1,3-Dichloropropane	ND	µg/L	1.0								
2,2-Dichloropropane	ND	µg/L	2.0								
1,1-Dichloropropene	ND	µg/L	1.0								
Hexachlorobutadiene	ND	µg/L	1.0								
2-Hexanone	ND	µg/L	10								
Isopropylbenzene	ND	µg/L	1.0								
4-Isopropyltoluene	ND	µg/L	1.0								
4-Methyl-2-pentanone	ND	µg/L	10								
Methylene Chloride	ND	µg/L	3.0								
n-Butylbenzene	ND	µg/L	1.0								
n-Propylbenzene	ND	µg/L	1.0								
sec-Butylbenzene	ND	µg/L	1.0								
Styrene	ND	µg/L	1.0								
tert-Butylbenzene	ND	µg/L	1.0								
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0								
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0								
Tetrachloroethene (PCE)	ND	µg/L	1.0								
trans-1,2-DCE	ND	µg/L	1.0								
trans-1,3-Dichloropropene	ND	µg/L	1.0								
1,2,3-Trichlorobenzene	ND	µg/L	1.0								
1,2,4-Trichlorobenzene	ND	µg/L	1.0								
1,1,1-Trichloroethane	ND	µg/L	1.0								
1,1,2-Trichloroethane	ND	µg/L	1.0								
Trichloroethene (TCE)	ND	µg/L	1.0								
Trichlorofluoromethane	ND	µg/L	1.0								
1,2,3-Trichloropropane	ND	µg/L	2.0								
Vinyl chloride	ND	µg/L	1.0								
Xylenes, Total	ND	µg/L	1.5								
Sample ID: 100ng lcs		*LCS*					Batch ID: **R40131**		Analysis Date:	7/30/2010 4:21:45 PM	

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 100ng lcs		*LCS*				Batch ID:	**R40131**	Analysis Date:	7/30/2010 4:21:45 PM		
Benzene	19.90	µg/L	1.0	20	0	99.5	82.4	116			
Toluene	21.86	µg/L	1.0	20	0	109	89.5	123			
Chlorobenzene	20.83	µg/L	1.0	20	0	104	87.8	120			
1,1-Dichloroethene	26.00	µg/L	1.0	20	0	130	90.3	138			
Trichloroethene (TCE)	17.49	µg/L	1.0	20	0	87.5	64	129			
Sample ID: 100ng lcs_b		*LCS*				Batch ID:	**R40131**	Analysis Date:	7/31/2010 4:19:13 AM		
Benzene	19.53	µg/L	1.0	20	0	97.6	82.4	116			
Toluene	22.33	µg/L	1.0	20	0	112	89.5	123			
Chlorobenzene	20.68	µg/L	1.0	20	0	103	87.8	120			
1,1-Dichloroethene	25.62	µg/L	1.0	20	0	128	90.3	138			
Trichloroethene (TCE)	17.77	µg/L	1.0	20	0	88.9	64	129			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23204		*MBLK*					**Batch ID: 23204**		**Analysis Date:**	8/3/2010 10:52:43 AM	
Acenaphthene	ND	µg/L	10								
Acenaphthylene	ND	µg/L	10								
Aniline	ND	µg/L	10								
Anthracene	ND	µg/L	10								
Azobenzene	ND	µg/L	10								
Benz(a)anthracene	ND	µg/L	10								
Benzo(a)pyrene	ND	µg/L	10								
Benzo(b)fluoranthene	ND	µg/L	10								
Benzo(g,h,i)perylene	ND	µg/L	10								
Benzo(k)fluoranthene	ND	µg/L	10								
Benzoic acid	ND	µg/L	20								
Benzyl alcohol	ND	µg/L	10								
Bis(2-chloroethoxy)methane	ND	µg/L	10								
Bis(2-chloroethyl)ether	ND	µg/L	10								
Bis(2-chloroisopropyl)ether	ND	µg/L	10								
Bis(2-ethylhexyl)phthalate	ND	µg/L	10								
4-Bromophenyl phenyl ether	ND	µg/L	10								
Butyl benzyl phthalate	ND	µg/L	10								
Carbazole	ND	µg/L	10								
4-Chloro-3-methylphenol	ND	µg/L	10								
4-Chloroaniline	ND	µg/L	10								
2-Chloronaphthalene	ND	µg/L	10								
2-Chlorophenol	ND	µg/L	10								
4-Chlorophenyl phenyl ether	ND	µg/L	10								
Chrysene	ND	µg/L	10								
Di-n-butyl phthalate	ND	µg/L	10								
Di-n-octyl phthalate	ND	µg/L	10								
Dibenz(a,h)anthracene	ND	µg/L	10								
Dibenzofuran	ND	µg/L	10								
1,2-Dichlorobenzene	ND	µg/L	10								
1,3-Dichlorobenzene	ND	µg/L	10								
1,4-Dichlorobenzene	ND	µg/L	10								
3,3'-Dichlorobenzidine	ND	µg/L	10								
Diethyl phthalate	ND	µg/L	10								
Dimethyl phthalate	ND	µg/L	10								
2,4-Dichlorophenol	ND	µg/L	20								
2,4-Dimethylphenol	ND	µg/L	10								
4,6-Dinitro-2-methylphenol	ND	µg/L	20								
2,4-Dinitrophenol	ND	µg/L	20								
2,4-Dinitrotoluene	ND	µg/L	10								
2,6-Dinitrotoluene	ND	µg/L	10								
Fluoranthene	ND	µg/L	10								
Fluorene	ND	µg/L	10								
Hexachlorobenzene	ND	µg/L	10								

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-23204		*MBLK*				**Batch ID: 23204**		**Analysis Date: 8/3/2010 10:52:43 AM**			
Hexachlorobutadiene	ND	µg/L	10								
Hexachlorocyclopentadiene	ND	µg/L	10								
Hexachloroethane	ND	µg/L	10								
Indeno(1,2,3-cd)pyrene	ND	µg/L	10								
Isophorone	ND	µg/L	10								
2-Methylnaphthalene	ND	µg/L	10								
2-Methylphenol	ND	µg/L	10								
3+4-Methylphenol	ND	µg/L	10								
N-Nitrosodi-n-propylamine	ND	µg/L	10								
N-Nitrosodimethylamine	ND	µg/L	10								
N-Nitrosodiphenylamine	ND	µg/L	10								
Naphthalene	ND	µg/L	10								
2-Nitroaniline	ND	µg/L	10								
3-Nitroaniline	ND	µg/L	10								
4-Nitroaniline	ND	µg/L	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-23204		*LCS*				**Batch ID: 23204**		**Analysis Date: 8/3/2010 11:22:32 AM**			
Acenaphthene	62.18	µg/L	10	100	0	62.2	29.3	113			
4-Chloro-3-methylphenol	164.5	µg/L	10	200	0	82.2	23.3	123			
2-Chlorophenol	117.3	µg/L	10	200	0	58.7	23.9	112			
1,4-Dichlorobenzene	57.84	µg/L	10	100	0	57.8	16.5	106			
2,4-Dinitrotoluene	67.32	µg/L	10	100	0	67.3	27.7	126			
N-Nitrosodi-n-propylamine	66.32	µg/L	10	100	0	66.3	25.9	113			
4-Nitrophenol	53.52	µg/L	10	200	0	26.8	13.2	76.7			
Pentachlorophenol	129.5	µg/L	20	200	0	64.8	22.4	121			
Phenol	71.54	µg/L	10	200	0	35.8	15.3	68.3			
Pyrene	78.84	µg/L	10	100	0	78.8	23.5	119			
1,2,4-Trichlorobenzene	67.38	µg/L	10	100	0	67.4	23	107			
Sample ID: lcsd-23204		*LCSD*				**Batch ID: 23204**		**Analysis Date: 8/3/2010 11:52:27 AM**			
Acenaphthene	60.88	µg/L	10	100	0	60.9	29.3	113	2.11	30.5	
4-Chloro-3-methylphenol	132.5	µg/L	10	200	0	66.3	23.3	123	21.5	28.6	
2-Chlorophenol	97.28	µg/L	10	200	0	48.6	23.9	112	18.7	107	
1,4-Dichlorobenzene	52.96	µg/L	10	100	0	53.0	16.5	106	8.81	62.1	
2,4-Dinitrotoluene	68.70	µg/L	10	100	0	68.7	27.7	126	2.03	14.7	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcsd-23204		*LCSD*				**Batch ID: 23204**		**Analysis Date:**		8/3/2010 11:52:27 AM	
N-Nitrosodi-n-propylamine	61.42	µg/L	10	100	0	61.4	25.9	113	7.67	30.3	
4-Nitrophenol	56.78	µg/L	10	200	0	28.4	13.2	76.7	5.91	36.3	
Pentachlorophenol	109.1	µg/L	20	200	0	54.6	22.4	121	17.1	49	
Phenol	69.40	µg/L	10	200	0	34.7	15.3	68.3	3.04	52.4	
Pyrene	64.96	µg/L	10	100	0	65.0	23.5	119	19.3	16.3	R
1,2,4-Trichlorobenzene	53.10	µg/L	10	100	0	53.1	23	107	23.7	36.4	
Method: EPA Method 7470: Mercury											
Sample ID: MB-23244		*MBLK*				**Batch ID: 23244**		**Analysis Date:**		8/3/2010 5:51:32 PM	
Mercury	ND	mg/L	0.00020								
Sample ID: LCS-23244		*LCS*				**Batch ID: 23244**		**Analysis Date:**		8/3/2010 5:53:19 PM	
Mercury	0.005037	mg/L	0.00020	0.005	3E-05	100	80	120			

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- H Holding times for preparation or analysis exceeded
- NC Non-Chlorinated
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals											
Sample ID: MB		*MBLK*					Batch ID: **R40153**		Analysis Date:		8/2/2010 10:47:27 AM
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
Cadmium	ND	mg/L	0.0020								
Calcium	ND	mg/L	1.0								
Chromium	ND	mg/L	0.0060								
Copper	ND	mg/L	0.0060								
Iron	ND	mg/L	0.020								
Lead	ND	mg/L	0.0050								
Magnesium	ND	mg/L	1.0								
Manganese	ND	mg/L	0.0020								
Potassium	ND	mg/L	1.0								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Sodium	ND	mg/L	1.0								
Zinc	ND	mg/L	0.050								
Sample ID: LCS		*LCS*					Batch ID: **R40153**		Analysis Date:		8/2/2010 11:08:27 AM
Arsenic	0.5157	mg/L	0.020	0.5	0	103	80	120			
Barium	0.4815	mg/L	0.020	0.5	0	96.3	80	120			
Cadmium	0.4925	mg/L	0.0020	0.5	0	98.5	80	120			
Calcium	54.46	mg/L	1.0	50.5	0	108	80	120			
Chromium	0.4882	mg/L	0.0060	0.5	0	97.6	80	120			
Copper	0.5015	mg/L	0.0060	0.5	0	100	80	120			
Iron	0.4955	mg/L	0.020	0.5	0	99.1	80	120			
Lead	0.4927	mg/L	0.0050	0.5	0	98.5	80	120			
Magnesium	53.90	mg/L	1.0	50.5	0	107	80	120			
Manganese	0.4768	mg/L	0.0020	0.5	0	95.4	80	120			
Potassium	55.96	mg/L	1.0	55	0	102	80	120			
Selenium	0.4820	mg/L	0.050	0.5	0	96.4	80	120			
Silver	0.4936	mg/L	0.0050	0.5	0	98.7	80	120			
Sodium	56.82	mg/L	1.0	50.5	0	113	80	120			
Zinc	0.4950	mg/L	0.050	0.5	0	99.0	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2010 Annual **Work Order:** 1007A15

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals											
Sample ID: MB-23251		*MBLK*				Batch ID:	**23251**	Analysis Date:	8/4/2010 11:07:31 AM		
Arsenic	ND	mg/L	0.020								
Barium	ND	mg/L	0.020								
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								
Manganese	ND	mg/L	0.0020								
Selenium	ND	mg/L	0.050								
Silver	ND	mg/L	0.0050								
Zinc	ND	mg/L	0.020								
Sample ID: LCS-23251		*LCS*				Batch ID:	**23251**	Analysis Date:	8/4/2010 11:10:40 AM		
Arsenic	0.5184	mg/L	0.020	0.5	0	104	80	120			
Barium	0.4883	mg/L	0.020	0.5	0	97.7	80	120			
Cadmium	0.5000	mg/L	0.0020	0.5	0	100	80	120			
Chromium	0.5032	mg/L	0.0060	0.5	0	101	80	120			
Copper	0.5429	mg/L	0.0060	0.5	0.001	108	80	120			
Iron	0.5122	mg/L	0.050	0.5	0	102	80	120			
Lead	0.4972	mg/L	0.0050	0.5	0	99.4	80	120			
Manganese	0.4864	mg/L	0.0020	0.5	0	97.3	80	120			
Selenium	0.5057	mg/L	0.050	0.5	0	101	80	120			
Silver	0.5147	mg/L	0.0050	0.5	0	103	80	120			
Zinc	0.4848	mg/L	0.020	0.5	0	97.0	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-Chlorinated
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 7/29/2010

Work Order Number 1007A15 | Received by: TLS

Checklist completed by: _____ 7/29/10 | Sample ID labels checked by: _____
Signature | Date | Initials

Matrix: | Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	-0.9°	<6° C Acceptable If given sufficient time to cool.		

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7 Gallup NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: 2010 Annual

Project #: OW-11, PW-4

Project Manager: C Johnson

Sampler: C Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: -1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1007015	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC Metals - Total	WQCC Metals - Diss	Gen Chem Nitrates, Cyanide	Air Bubbles (Y or N)
7/28/10	1028	H2O	OW-11			1										X	X	X	X	X	
/		/	Trip Blank			2															
/		/	Field Blank			3															
7/29/10	1429	H2O	PW-4			4										X	X	X	X	X	

Date: 7/28/10 Time: 1510 Relinquished by:

Received by: Date: 7/29/10 Time: 9:00

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.