NAPIS Wells Gallup Refinery May 2010

Van Horn, Kristen, NMENV

ENTERED

From: Johnson, Cheryl [Cheryl.Johnson@wnr.com]

Sent: Monday, May 10, 2010 12:15 PM

To: Van Horn, Kristen, NMENV; Monzeglio, Hope, NMENV

Cc: Chavez, Carl J, EMNRD; Riege, Ed

Attachments: NAPIS, 1ST QTR 2010.pdf

Good afternoon Kristen: Attached are the HEAL results for the NAPIS wells Quarterly sampling conducted in March 2010.
NAPIS 2 showed an increase in Benzene, Ethylbenzene, Total Zylenes, and MTBE. KA 3 also showed an increase in Benzene 0.72 mg/l and Ethylbenzene of .001 mg/l in the latest sampling event.
No SVOCs detected in any of the NAPIS wells per EPA 8270C method. If you have any questions, please call or e-mail . Thank you. cj

Cheryl Johnson
Environmental Specialist

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Gallup, NM 87301
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Safety starts with "S", but always begins with "You"

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

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Apr-10*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 1003237
Project: 1st Qtr 2010
Lab ID: 1003237-01

Client Sample ID: NAPIS 1
Collection Date: 3/8/2010 11:55:00 AM
Date Received: 3/10/2010
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
- 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 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:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *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:

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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:**	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
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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
Lab Order: 1003237
Project: 1st Qtr 2010
Lab ID: 1003237-02

Client Sample ID: NAPIS 2
Collection Date: 3/8/2010 9:36:00 AM
Date Received: 3/10/2010
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:

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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
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	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
Lab Order: 1003237
Project: 1st Qtr 2010
Lab ID: 1003237-02

Client Sample ID: NAPIS 2
Collection Date: 3/8/2010 9:36:00 AM
Date Received: 3/10/2010
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
- 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 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
Lab Order: 1003237
Project: 1st Qtr 2010
Lab ID: 1003237-03

Client Sample ID: NAPIS 3
Collection Date: 3/8/2010 3:03:00 PM
Date Received: 3/10/2010
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
- 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
Lab Order: 1003237
Project: 1st Qtr 2010
Lab ID: 1003237-03

Client Sample ID: NAPIS 3
Collection Date: 3/8/2010 3:03:00 PM
Date Received: 3/10/2010
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	0.60	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:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
NC	Non-Chlorinated	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
Lab Order: 1003237
Project: 1st Qtr 2010
Lab ID: 1003237-04

Client Sample ID: KA 3
Collection Date: 3/8/2010 8:21:00 AM
Date Received: 3/10/2010
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

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 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:

- * 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

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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	100317003-001	**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	

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: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 #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number 100317003-002
Client Sample ID 1003237-01E / NAPIS 1
Matrix Water
Comments

Sampling Date 3/8/2010
Sampling Time 11:55 AM
Sample Location

Date/Time Received 3/12/2010 10:45 AM

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	

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 #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number 100317003-003
Client Sample ID 1003237-01F / NAPIS 1
Matrix Water
Comments

Sampling Date 3/8/2010
Sampling Time 11:55 AM
Sample Location

Date/Time Received 3/12/2010 10:45 AM

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
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number 100317003-004
Client Sample ID 1003237-01G / NAPIS 1
Matrix Water
Comments

Sampling Date 3/8/2010
Sampling Time 11:55 AM
Sample Location

Date/Time Received 3/12/2010 10:45 AM

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	

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:WA00169; CA:Cert2632; ID:WA00169; WA:C1287; MT:Cert0095

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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	

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:WA00165; 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 #: 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	

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 #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number 100317003-008
Client Sample ID 1003237-02G / NAPIS 2
Matrix Water
Comments

Sampling Date 3/8/2010
Sampling Time 9:36 AM
Sample Location

Date/Time Received 3/12/2010 10:45 AM

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
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

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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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 #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number 100317003-010
Client Sample ID 1003237-03E / NAPIS 3
Matrix Water
Comments

Sampling Date 3/8/2010
Sampling Time 3:03 PM
Sample Location

Date/Time Received 3/12/2010 10:45 AM

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	

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 #: 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
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number 100317003-014
Client Sample ID 1003237-04E / KA3
Matrix Water
Comments

Sampling Date 3/8/2010
Sampling Time 8:21 AM
Sample Location

Date/Time Received 3/12/2010 10:45 AM

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	

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 #: 100317003
Project Name: 1003237

Analytical Results Report

Sample Number 100317003-016
Client Sample ID 1003237-04G / KA3
Matrix Water
Comments

Sampling Date 3/8/2010
Sampling Time 8:21 AM
Sample Location

Date/Time Received 3/12/2010 10:45 AM

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.

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:** 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:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	NC	Non-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

Method: EPA Method 8260B: VOLATILES

Batch ID: R37793 Analysis Date: 3/16/2010 11:08:37 AM

Sample ID: b5 *MBLK*

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
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:** 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								
1,2,3-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:	**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:

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: 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*									
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: **R37822** Analysis Date: 3/18/2010 1:28:33 PM

Batch ID: **R37793** Analysis Date: 3/16/2010 12:13:53 PM

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 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
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:** 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								
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								

Qualifiers:

E	Estimated value	H	Holding times for preparation or 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

Sample ID labels checked by: _____ Initials

Checklist completed by: _____ Signature 3/10/10 Date

Matrix:

Carrier name: UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☑		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**0.6°**	*<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: Gallup Refinery
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: 0.6

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. 1003234	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			
	0936		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			10:15 3/10/10	
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7 Gallup NM
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°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. 1003037	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)	Cations Anions	10 Dic Metals-Total	10 Dic Metals-Diss		Air Bubbles (Y/N)
3/8/10	0936	H_2O	NAPIS 2	250ml-1	None	2												X				
			"	125ml-1	H_2SO_4	2												X				
	1503		NAPIS 3	40ml-3	HCl	3	X															
				40ml-3	HCl	3			X													
				1L Amber	None	3											X					
				500ml-2	HNO_3	3													X			
				125ml-2	HNO_3	3														X		
				250ml-1	None	3												X				
				125ml-1	H_2SO_4	3												X				
	0821		KA3	40ml-3	HCl	4	X															
				40ml-3	HCl	4			X													
				1L Amber	None	4											X					

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/8/10	1600			10:15 3/10	10
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

Chain-of-Custody Record

Client: Western Refining
Gallup Refinery
Mailing Address: Rt 3 Box 7
Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210

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

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: 0.0°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. 1003231	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
3/8/10	0821	H_2O	KA3	500ml-2	HNO_3	4												X				
				125ml-2	HNO_3	4													X			
				250ml-1	None	4														X		
				125ml-1	H_2SO_4	4														X		
			Trip Blank			5																

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

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.