ENTERED

GRCC
KA/NAPIS well Data

Monzeglio, Hope, NMENV

From: Rajen, Gaurav [Gaurav.Rajen@wnr.com]
Sent: Tuesday, August 11, 2009 2:00 PM
To: Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD
Cc: Riege, Ed
Subject: Sampling results for NAPIS wells
Attachments: Copy of NAPIS 1ST QTR 2009 RESAMPLING.xls; March 2009.pdf; May 2009.pdf; June 2009.pdf; NAPIS WELL LOGS 6-09.xls

Dear Hope:

It is a pleasure to send on to you our sampling results for the NAPIS wells. We sampled these wells in February and again in March as some of our required tests had not been conducted in February.

We again sampled in May. Although we did sample NAPIS-1, NAPIS-2 and KA-3, we were unable to get to NAPIS-3 as construction work was ongoing on a buried pipeline in the area. We were able to sample this well in June.

All of the data from these events are attached, as are the sampler's field notes, well logs, and data (such as pH, conductivity, etc.) collected in the field.

With my best regards,

Raj

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

WESTERN REFINING - GALLUP REFINERY
WELL SAMPLING DATA - 1st QTR 2009

WELL #	NAPIS 1 (KA-1R)	NAPIS 2 (KA-2R)	NAPIS 3 (KA-3R)	KA-3
PURGE DATE	3/23/2009	3/23/2009	3/23/2009	3/23/2009
PURGE TIME	1050 HRS	1100 HRS	1115 HRS	1130 HRS
LIQUID DEPTH	8.92	9.35	9.93	9.23
DEPTH TO BTM	14	14.5	30.7	25
DIFFERENCE	5.08	5.15	20.77	15.77
1WVA = 0.163	0.82804	0.83945	3.38551	2.57051
3WVA'S	2.48412	2.51835	10.15653	7.71153
TEMP (DEG F)	58.7	62.1	62.6	74.6
Ph	7.2	6.96	8.15	7.08
COND	875us	1.65mS	2.47mS	1.228mS
DO	74.01	56.1	63.7	46.5
SAL	.450ppt	.891ppt	1.299 ppt	0.609ppt
TDS	439	N/A	1.235	6.2

NAPIS 1	Sample Day 3/24/2009	Sample Time 1400 HRS

Weather: Clear, slight breeze. Temp 60- 65 Deg. On 3/23/09 started bailing with new bailer at 1050 hrs. First bail clear no apparent odor. 3 well volumes = 2.48 gals. Bailed approximately 2.1 gals.

Took sample on 3/24/09 at 1400 hours for the following paramaters. 8021B, 8015B GRO/DRO, 8310, RCRA 8 metals, General Chem (ph, Cations, Anions, conductivity)

NAPIS 2	Sample Day 3/24/2009	Sample Time 1415 HRS

Weather: Clear day, windy conditions. Temp 60-65 Deg. On 3/23/09 started bailing at 1100 hrs. Bailer was decontaminated with Alconox/water mixture and rinsed with distilled water before use. First bail water has a slight yellowish tint, no apparent odor. 3 well volumes = 2.51 gals. Bailed approximately 2.2 gals.

Took sample on 3/24/09 at 1415 hours for the following paramaters. 8021B, 8015B GRO/DRO, 8310, RCRA 8 metals, General Chem (ph, Cations, Anions, conductivity)

NAPIS 3	Sample Day 3/25/2009	Sample Time 0745 HRS

Weather: Clear day. Temp 60-65 Deg. On 3/23/09 started bailing at 1115 hrs. Bailer was decontaminated with Alconox/water mixture and rinsed with distilled water before use. First bail water is clear in color, no apparent odor. 3 well volumes = 10.15 gals. Bailed only 7.5 gals of water, level low. Water was clear at start but turned cloudy at end of bailing due to water level being low and disturbance of sediment.

Alvin Dorsey took sample on 3/25/09 at 0745 hours for the following paramaters. 8021B, 8015B GRO/DRO, 8310, RCRA 8 metals, General Chem (ph, Cations, Anions, conductivity)

KA-3	Sample Day 3/25/2009	Sample Time 0815 HRS

Weather: Windy, snowy day. Temp 30-20 Deg. On 3/23/09 started bailing at 1130 hrs. Bailer was decontaminated with Alconox/water mixture and rinsed with distilled water before use. First bail water has a slight yellowish tint, no apparent odor. 3 well volumes = 7.71 gals. Bailed 7 gals of water. Water was clear at start but turned murky at end of bailing due to water level being low and disturbance of sediment.

Alvin Dorsey took sample on 3/25/09 at 0815 hours for the following paramaters. 8021B, 8015B GRO/DRO, 8310, RCRA 8 metals, General Chem (ph, Cations, Anions, conductivity)

NOTES:

Samples labeled & sealed; Stored in environmental refrigerator until shipment date of 3/25/09.

Samples packed in ice and shipped UPS Red to Hall Labs on 3/25/09.

SAMPLER NAME/TITLE: Cheryl Johnson & Alvin Dorsey: Environmental specialists

WESTERN REFINING - GALLUP REFINERY
WELL SAMPLING DATA - 2nd QTR 2009

WELL #	NAPIS 1 (KA-1R)	NAPIS 2 (KA-2R)	NAPIS 3 (KA-3R)	KA-3
PURGE DATE	5/28/2009	5/28/2009	6/15/2009	5/28/2009
PURGE TIME	0758 HRS	0829 HRS	0925 HRS	0901 HRS
LIQUID DEPTH	8.67	9.22	8.59	9.12
DEPTH TO BTM	14	14.5	30.7	25
DIFFERENCE	5.33	5.28	22.11	15.88
1WVA = 0.163	0.86879	0.86064	3.60393	2.58844
3WVA'S	2.60637	2.58192	10.81179	7.76532
TEMP (DEG F)	61.1	73.2	67.5	80.8
Ph	6.95	7.15	7.92	6.98
COND	1.081mS	1.124mS	2.55mS	1.168mS
DO	39.00%	16.76%	53.40%	32.20%
SAL	.548ppt	.555 ppt	1.324 ppt	.576 ppt
TDS	539 ppm	566 ppm	1.274 ppm	589 ppm

NAPIS 1	Sample Day 5/28/2009	Sample Time 0805 HRS

Weather: Clear, slight breeze. Temp 65- 70 Deg. 3 well volumes = 2.6 gals. On 5/28/09 started bailing with new bailer at 0758 hrs. First bail water clear to slightly cloudy, no apparent odor. Bailed approximately 2.5 gals. Water turned slighly cloudy on last bail possibly due to low water level from bailing.

Took sample on 5/28/09 at 0805 hours for the following paramaters. 8021B, 8015B GRO/DRO, 8310, RCRA 8 metals, General Chem (ph, Cations, Anions, conductivity). Samples labeled and placed in cooler with ice.

NAPIS 2	Sample Day 5/28/2009	Sample Time 0840 HRS

Weather: Clear day, slight breeze. Temp 65-70 Deg. 3 well volumes = 2.58 Gals. On 5/28/09 started bailing at 0829 hrs. New bailer used for the purging of well and same bailer used for the sample. First bail water has a slight yellowish tint, no apparent odor. Bailed approximately 2.5 gals. Water turned slightly cloudy on last bail possibly due to low water level from bailing.

Took sample on 5/28/09 at 0840 hours for the following paramaters. 8021B, 8015B GRO/DRO, 8310, RCRA 8 metals, General Chem (ph, Cations, Anions, conductivity). Samples labeled and placed in cooler with ice.

NAPIS 3	Sample Day 5/28/2009	Sample Time NOT DONE

Weather: Clear day. Temp 65- 70 Deg. On 5/28/09 unable to get to this well. Repair work being done on a line near the well.

KA-3	Sample Day 5/28/2009	Sample Time 0930 HRS

Weather: Clear day, slight breeze. Temp65- 70 Deg. 3 well volumes = 7.76 gals. On 5/28/09 started bailing at 0901 hrs. New bailer used for the purging of well and same bailer used for the sample. First bail water is slighty cloudy, no apparent odor. Bailed approximately 7.5 gals of water. Water still cloudy at end of bailing.

Took sample on 5/28/09 at 0930 hours for the followiung parameters. 8021B, 8015B GRO/DRO, 8310 RCRA 8 Metals, Gen Chem (ph, Cations, Anions, Conductivity). Samples labeled and placed in cooler with ice.

NOTES:

Samples labeled, sealed, completed COC. Packed in cooler and shipped off UPS Red to Hall Labs 5/28/09.

SAMPLER NAME/TITLE: Cheryl Johnson	Environmental specialist

WESTERN REFINING - GALLUP REFINERY
WELL SAMPLING DATA - 2nd QTR 2009

WELL #	NAPIS 1 (KA-1R)	NAPIS 2 (KA-2R)	NAPIS 3 (KA-3R)	KA-3
PURGE DATE			6/15/2009	
PURGE TIME			0925 HRS	
LIQUID DEPTH			8.59	
DEPTH TO BTM			30.7	
DIFFERENCE			22.11	
1WVA = 0.163			3.60393	
3WVA'S			10.81179	
TEMP (DEG F)			67.5	
Ph			7.92	
COND			2.55mS	
DO			53.40%	
SAL			1.324 ppt	
TDS			1.274 ppm	

NAPIS 1	Sample Day	Sample Time

NAPIS 2	Sample Day	Sample Time

NAPIS 3	Sample Day 6/15/2009	Sample Time 1015 HRS

Weather: Clear day. Temp 65- 70 Deg. On 5/28/09 unable to get to this well. Repair work being done on a line near the well.

KA-3	Sample Day	Sample Time 0930 HRS

NOTES:

Samples labeled, sealed, completed COC. Packed in cooler and shipped off UPS Red to Hall Labs 6/15/09.

SAMPLER NAME/TITLE: Cheryl Johnson	Environmental specialist

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Tuesday, April 21, 2009

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

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

RE: 2009 1st QTR

Order No.: 0903415

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 3/26/2009 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

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

ACCREDITED IN ACCORDANCE WITH nelac

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

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Apr-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	0903415	**Collection Date:**	3/24/2009 2:00:00 PM
Project:	2009 1st QTR	**Date Received:**	3/26/2009
Lab ID:	0903415-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/30/2009
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/30/2009
Surr: DNOP	116	58-140		%REC	1	3/30/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/31/2009 4:32:48 PM
Surr: BFB	87.5	59.9-122		%REC	1	3/31/2009 4:32:48 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/31/2009 4:32:48 PM
Benzene	ND	1.0		µg/L	1	3/31/2009 4:32:48 PM
Toluene	1.0	1.0		µg/L	1	3/31/2009 4:32:48 PM
Ethylbenzene	ND	1.0		µg/L	1	3/31/2009 4:32:48 PM
Xylenes, Total	ND	2.0		µg/L	1	3/31/2009 4:32:48 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2009 4:32:48 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2009 4:32:48 PM
Surr: 4-Bromofluorobenzene	92.3	65.9-130		%REC	1	3/31/2009 4:32:48 PM
EPA METHOD 8310: PAHS						Analyst: **DMG**
Naphthalene	ND	2.0		µg/L	1	4/3/2009 5:45:00 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	4/3/2009 5:45:00 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	4/3/2009 5:45:00 PM
Acenaphthylene	ND	2.5		µg/L	1	4/3/2009 5:45:00 PM
Acenaphthene	ND	5.0		µg/L	1	4/3/2009 5:45:00 PM
Fluorene	ND	0.80		µg/L	1	4/3/2009 5:45:00 PM
Phenanthrene	ND	0.60		µg/L	1	4/3/2009 5:45:00 PM
Anthracene	ND	0.60		µg/L	1	4/3/2009 5:45:00 PM
Fluoranthene	ND	0.30		µg/L	1	4/3/2009 5:45:00 PM
Pyrene	ND	0.30		µg/L	1	4/3/2009 5:45:00 PM
Benz(a)anthracene	ND	0.070		µg/L	1	4/3/2009 5:45:00 PM
Chrysene	ND	0.20		µg/L	1	4/3/2009 5:45:00 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	4/3/2009 5:45:00 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	4/3/2009 5:45:00 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	4/3/2009 5:45:00 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	4/3/2009 5:45:00 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	4/3/2009 5:45:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	4/3/2009 5:45:00 PM
Surr: Benzo(e)pyrene	66.4	44.8-104		%REC	1	4/3/2009 5:45:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	0.69	0.10		mg/L	1	3/26/2009 11:31:28 PM
Chloride	120	1.0		mg/L	10	3/26/2009 11:48:53 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
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Apr-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	0903415	**Collection Date:**	3/24/2009 2:00:00 PM
Project:	2009 1st QTR	**Date Received:**	3/26/2009
Lab ID:	0903415-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	4/19/2009 5:57:43 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	3/26/2009 11:31:28 PM
Sulfate	38	0.50		mg/L	1	3/26/2009 11:31:28 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	4/6/2009 5:29:17 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	4/6/2009 11:53:56 AM
Barium	0.10	0.020		mg/L	1	4/6/2009 11:53:56 AM
Cadmium	ND	0.0020		mg/L	1	4/6/2009 11:53:56 AM
Calcium	67	1.0		mg/L	1	4/6/2009 11:53:56 AM
Chromium	ND	0.0060		mg/L	1	4/6/2009 11:53:56 AM
Lead	ND	0.0050		mg/L	1	4/6/2009 11:53:56 AM
Magnesium	12	1.0		mg/L	1	4/6/2009 11:53:56 AM
Potassium	ND	1.0		mg/L	1	4/6/2009 11:53:56 AM
Selenium	ND	0.25		mg/L	5	4/8/2009 8:27:38 AM
Silver	ND	0.0050		mg/L	1	4/6/2009 11:53:56 AM
Sodium	340	10		mg/L	10	4/6/2009 12:43:06 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	2000	0.010		µmhos/cm	1	3/27/2009
SM4500-H+B: PH						Analyst: **NSB**
pH	7.69	0.1		pH units	1	3/28/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Apr-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	0903415	**Collection Date:**	3/24/2009 2:15:00 PM
Project:	2009 1st QTR	**Date Received:**	3/26/2009
Lab ID:	0903415-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	4.3	1.0		mg/L	1	3/30/2009
Motor Oil Range Organics (MRO)	5.1	5.0		mg/L	1	3/30/2009
Surr: DNOP	118	58-140		%REC	1	3/30/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.37	0.050		mg/L	1	4/2/2009 11:34:12 AM
Surr: BFB	101	59.9-122		%REC	1	4/2/2009 11:34:12 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	90	25		µg/L	10	3/31/2009 5:03:20 PM
Benzene	19	1.0		µg/L	1	4/2/2009 11:34:12 AM
Toluene	1.1	1.0		µg/L	1	4/2/2009 11:34:12 AM
Ethylbenzene	8.1	1.0		µg/L	1	4/2/2009 11:34:12 AM
Xylenes, Total	ND	2.0		µg/L	1	4/2/2009 11:34:12 AM
1,2,4-Trimethylbenzene	2.0	1.0		µg/L	1	4/2/2009 11:34:12 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/2/2009 11:34:12 AM
Surr: 4-Bromofluorobenzene	91.9	65.9-130		%REC	1	4/2/2009 11:34:12 AM
EPA METHOD 8310: PAHS						Analyst: **DMG**
Naphthalene	ND	4.0		µg/L	1	4/3/2009 6:05:00 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	4/3/2009 6:05:00 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	4/3/2009 6:05:00 PM
Acenaphthylene	ND	5.0		µg/L	1	4/3/2009 6:05:00 PM
Acenaphthene	ND	10		µg/L	1	4/3/2009 6:05:00 PM
Fluorene	ND	1.6		µg/L	1	4/3/2009 6:05:00 PM
Phenanthrene	ND	1.2		µg/L	1	4/3/2009 6:05:00 PM
Anthracene	ND	1.2		µg/L	1	4/3/2009 6:05:00 PM
Fluoranthene	ND	0.60		µg/L	1	4/3/2009 6:05:00 PM
Pyrene	ND	0.60		µg/L	1	4/3/2009 6:05:00 PM
Benz(a)anthracene	ND	0.14		µg/L	1	4/3/2009 6:05:00 PM
Chrysene	ND	0.40		µg/L	1	4/3/2009 6:05:00 PM
Benzo(b)fluoranthene	ND	0.20		µg/L	1	4/3/2009 6:05:00 PM
Benzo(k)fluoranthene	ND	0.14		µg/L	1	4/3/2009 6:05:00 PM
Benzo(a)pyrene	ND	0.14		µg/L	1	4/3/2009 6:05:00 PM
Dibenz(a,h)anthracene	ND	0.14		µg/L	1	4/3/2009 6:05:00 PM
Benzo(g,h,i)perylene	ND	0.16		µg/L	1	4/3/2009 6:05:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.16		µg/L	1	4/3/2009 6:05:00 PM
Surr: Benzo(e)pyrene	64.6	44.8-104		%REC	1	4/3/2009 6:05:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	1.5	0.10		mg/L	1	3/27/2009 12:06:17 AM
Chloride	240	1.0		mg/L	10	3/27/2009 12:23:43 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Apr-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	0903415	**Collection Date:**	3/24/2009 2:15:00 PM
Project:	2009 1st QTR	**Date Received:**	3/26/2009
Lab ID:	0903415-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	4/19/2009 6:32:33 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	3/27/2009 12:06:17 AM
Sulfate	23	0.50		mg/L	1	3/27/2009 12:06:17 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	4/6/2009 5:31:02 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	4/6/2009 11:58:19 AM
Barium	0.76	0.020		mg/L	1	4/6/2009 11:58:19 AM
Cadmium	ND	0.0020		mg/L	1	4/6/2009 11:58:19 AM
Calcium	53	1.0		mg/L	1	4/6/2009 11:58:19 AM
Chromium	ND	0.0060		mg/L	1	4/6/2009 11:58:19 AM
Lead	ND	0.0050		mg/L	1	4/6/2009 11:58:19 AM
Magnesium	10	1.0		mg/L	1	4/6/2009 11:58:19 AM
Potassium	ND	1.0		mg/L	1	4/6/2009 11:58:19 AM
Selenium	ND	0.25		mg/L	5	4/8/2009 8:30:48 AM
Silver	ND	0.0050		mg/L	1	4/6/2009 11:58:19 AM
Sodium	280	10		mg/L	10	4/6/2009 12:45:52 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1800	0.010		µmhos/cm	1	3/27/2009
SM4500-H+B: PH						Analyst: **NSB**
pH	7.47	0.1		pH units	1	3/28/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Apr-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	0903415	**Collection Date:**	3/25/2009 8:15:00 AM
Project:	2009 1st QTR	**Date Received:**	3/26/2009
Lab ID:	0903415-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/30/2009
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/30/2009
Surr: DNOP	113	58-140		%REC	1	3/30/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.18	0.050		mg/L	1	3/31/2009 5:33:56 PM
Surr: BFB	86.1	59.9-122		%REC	1	3/31/2009 5:33:56 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	110	25		µg/L	10	4/2/2009 2:07:02 PM
Benzene	ND	1.0		µg/L	1	3/31/2009 5:33:56 PM
Toluene	ND	1.0		µg/L	1	3/31/2009 5:33:56 PM
Ethylbenzene	ND	1.0		µg/L	1	3/31/2009 5:33:56 PM
Xylenes, Total	ND	2.0		µg/L	1	3/31/2009 5:33:56 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2009 5:33:56 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2009 5:33:56 PM
Surr: 4-Bromofluorobenzene	89.4	65.9-130		%REC	1	3/31/2009 5:33:56 PM
EPA METHOD 8310: PAHS						Analyst: **DMG**
Naphthalene	ND	2.0		µg/L	1	4/3/2009 6:25:00 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	4/3/2009 6:25:00 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	4/3/2009 6:25:00 PM
Acenaphthylene	ND	2.5		µg/L	1	4/3/2009 6:25:00 PM
Acenaphthene	ND	5.0		µg/L	1	4/3/2009 6:25:00 PM
Fluorene	ND	0.80		µg/L	1	4/3/2009 6:25:00 PM
Phenanthrene	ND	0.60		µg/L	1	4/3/2009 6:25:00 PM
Anthracene	ND	0.60		µg/L	1	4/3/2009 6:25:00 PM
Fluoranthene	ND	0.30		µg/L	1	4/3/2009 6:25:00 PM
Pyrene	ND	0.30		µg/L	1	4/3/2009 6:25:00 PM
Benz(a)anthracene	ND	0.070		µg/L	1	4/3/2009 6:25:00 PM
Chrysene	ND	0.20		µg/L	1	4/3/2009 6:25:00 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	4/3/2009 6:25:00 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	4/3/2009 6:25:00 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	4/3/2009 6:25:00 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	4/3/2009 6:25:00 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	4/3/2009 6:25:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	4/3/2009 6:25:00 PM
Surr: Benzo(e)pyrene	57.2	44.8-104		%REC	1	4/3/2009 6:25:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	1.5	0.10		mg/L	1	3/26/2009 10:56:39 PM
Chloride	340	1.0		mg/L	10	3/26/2009 11:14:04 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
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Apr-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	0903415	**Collection Date:**	3/25/2009 8:15:00 AM
Project:	2009 1st QTR	**Date Received:**	3/26/2009
Lab ID:	0903415-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/26/2009 11:14:04 PM
Nitrogen, Nitrate (As N)	0.90	0.10		mg/L	1	3/26/2009 10:56:39 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	3/26/2009 10:56:39 PM
Sulfate	76	0.50		mg/L	1	3/26/2009 10:56:39 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	4/6/2009 5:32:49 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	4/8/2009 8:56:41 AM
Barium	0.22	0.020		mg/L	1	4/8/2009 8:56:41 AM
Cadmium	ND	0.0020		mg/L	1	4/8/2009 8:56:41 AM
Calcium	67	1.0		mg/L	1	4/8/2009 8:56:41 AM
Chromium	ND	0.0060		mg/L	1	4/8/2009 8:56:41 AM
Lead	0.0055	0.0050		mg/L	1	4/8/2009 8:56:41 AM
Magnesium	10	1.0		mg/L	1	4/8/2009 8:56:41 AM
Potassium	ND	1.0		mg/L	1	4/8/2009 8:56:41 AM
Selenium	ND	0.050		mg/L	1	4/11/2009 4:23:03 PM
Silver	ND	0.0050		mg/L	1	4/8/2009 8:56:41 AM
Sodium	360	10		mg/L	10	4/8/2009 12:01:26 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	2400	0.010		µmhos/cm	1	3/27/2009
SM4500-H+B: PH						Analyst: **NSB**
pH	7.64	0.1		pH units	1	3/28/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Apr-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	0903415	**Collection Date:**	3/25/2009 7:45:00 AM
Project:	2009 1st QTR	**Date Received:**	3/26/2009
Lab ID:	0903415-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/30/2009
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/30/2009
Surr: DNOP	118	58-140		%REC	1	3/30/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/31/2009 6:04:30 PM
Surr: BFB	90.7	59.9-122		%REC	1	3/31/2009 6:04:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	3/31/2009 6:04:30 PM
Benzene	ND	1.0		µg/L	1	3/31/2009 6:04:30 PM
Toluene	ND	1.0		µg/L	1	3/31/2009 6:04:30 PM
Ethylbenzene	ND	1.0		µg/L	1	3/31/2009 6:04:30 PM
Xylenes, Total	ND	2.0		µg/L	1	3/31/2009 6:04:30 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2009 6:04:30 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/31/2009 6:04:30 PM
Surr: 4-Bromofluorobenzene	98.9	65.9-130		%REC	1	3/31/2009 6:04:30 PM
EPA METHOD 8310: PAHS						Analyst: **DMG**
Naphthalene	ND	2.0		µg/L	1	4/3/2009 6:46:00 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	4/3/2009 6:46:00 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	4/3/2009 6:46:00 PM
Acenaphthylene	ND	2.5		µg/L	1	4/3/2009 6:46:00 PM
Acenaphthene	ND	5.0		µg/L	1	4/3/2009 6:46:00 PM
Fluorene	ND	0.80		µg/L	1	4/3/2009 6:46:00 PM
Phenanthrene	ND	0.60		µg/L	1	4/3/2009 6:46:00 PM
Anthracene	ND	0.60		µg/L	1	4/3/2009 6:46:00 PM
Fluoranthene	ND	0.30		µg/L	1	4/3/2009 6:46:00 PM
Pyrene	ND	0.30		µg/L	1	4/3/2009 6:46:00 PM
Benz(a)anthracene	ND	0.070		µg/L	1	4/3/2009 6:46:00 PM
Chrysene	ND	0.20		µg/L	1	4/3/2009 6:46:00 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	4/3/2009 6:46:00 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	4/3/2009 6:46:00 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	4/3/2009 6:46:00 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	4/3/2009 6:46:00 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	4/3/2009 6:46:00 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	4/3/2009 6:46:00 PM
Surr: Benzo(e)pyrene	57.4	44.8-104		%REC	1	4/3/2009 6:46:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	0.43	0.10		mg/L	1	3/26/2009 10:21:50 PM
Chloride	1200	5.0		mg/L	50	4/19/2009 7:07:22 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
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Apr-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	0903415	**Collection Date:**	3/25/2009 7:45:00 AM
Project:	2009 1st QTR	**Date Received:**	3/26/2009
Lab ID:	0903415-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	3/26/2009 10:39:14 PM
Nitrogen, Nitrate (As N)	14	0.10		mg/L	1	3/26/2009 10:21:50 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	3/26/2009 10:21:50 PM
Sulfate	340	5.0		mg/L	10	3/26/2009 10:39:14 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	4/6/2009 5:34:36 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	4/8/2009 9:01:13 AM
Barium	0.13	0.020		mg/L	1	4/8/2009 9:01:13 AM
Cadmium	ND	0.0020		mg/L	1	4/8/2009 9:01:13 AM
Calcium	47	1.0		mg/L	1	4/8/2009 9:01:13 AM
Chromium	ND	0.0060		mg/L	1	4/8/2009 9:01:13 AM
Lead	ND	0.0050		mg/L	1	4/8/2009 9:01:13 AM
Magnesium	6.5	1.0		mg/L	1	4/8/2009 9:01:13 AM
Potassium	3.9	1.0		mg/L	1	4/8/2009 9:01:13 AM
Selenium	ND	0.050		mg/L	1	4/11/2009 4:28:15 PM
Silver	ND	0.0050		mg/L	1	4/8/2009 9:01:13 AM
Sodium	880	10		mg/L	10	4/8/2009 12:04:08 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	5200	0.010		µmhos/cm	1	3/27/2009
SM4500-H+B: PH						Analyst: **NSB**
pH	8.11	0.1		pH units	1	3/28/2009

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 1st QTR **Work Order:** 0903415

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R32985**	Analysis Date:	3/26/2009 11:20:19 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R32985**	Analysis Date:	3/27/2009 1:15:57 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB-2		*MBLK*			Batch ID:	**R32985**	Analysis Date:	3/27/2009 9:58:09 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R33317**	Analysis Date:	4/18/2009 7:13:34 PM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R32985**	Analysis Date:	3/26/2009 11:37:43 AM	
Fluoride	0.5332	mg/L	0.10	107	90	110			
Chloride	5.231	mg/L	0.10	105	90	110			
Nitrogen, Nitrite (As N)	0.9374	mg/L	0.10	93.7	90	110			
Nitrogen, Nitrate (As N)	2.670	mg/L	0.10	107	90	110			
Nitrate (As N)+Nitrite (As N)	3.608	mg/L	0.20	103	90	110			
Phosphorus, Orthophosphate (As P)	5.417	mg/L	0.50	108	90	110			
Sulfate	10.67	mg/L	0.50	107	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R32985**	Analysis Date:	3/27/2009 1:33:22 AM	
Fluoride	0.5740	mg/L	0.10	115	90	110			S
Chloride	5.344	mg/L	0.10	107	90	110			
Nitrogen, Nitrite (As N)	1.151	mg/L	0.10	115	90	110			S

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 1st QTR **Work Order:** 0903415

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: LCS		*LCS*			Batch ID:	**R32985**	Analysis Date:	3/27/2009 1:33:22 AM	
Nitrogen, Nitrate (As N)	2.605	mg/L	0.10	104	90	110			
Nitrate (As N)+Nitrite (As N)	3.757	mg/L	0.20	107	90	110			
Phosphorus, Orthophosphate (As P)	5.545	mg/L	0.50	111	90	110			S
Sulfate	10.89	mg/L	0.50	109	90	110			
Sample ID: LCS-2		*LCS*			Batch ID:	**R32985**	Analysis Date:	3/27/2009 10:15:34 AM	
Fluoride	0.5105	mg/L	0.10	102	90	110			
Chloride	5.202	mg/L	0.10	104	90	110			
Nitrogen, Nitrite (As N)	1.136	mg/L	0.10	114	90	110			S
Nitrogen, Nitrate (As N)	2.555	mg/L	0.10	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.690	mg/L	0.20	105	90	110			
Phosphorus, Orthophosphate (As P)	5.363	mg/L	0.50	107	90	110			
Sulfate	10.50	mg/L	0.50	105	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R33317**	Analysis Date:	4/18/2009 7:30:59 PM	
Fluoride	0.5255	mg/L	0.10	105	90	110			
Chloride	5.284	mg/L	0.10	106	90	110			
Nitrogen, Nitrite (As N)	0.9148	mg/L	0.10	91.5	90	110			
Nitrogen, Nitrate (As N)	2.736	mg/L	0.10	109	90	110			
Nitrate (As N)+Nitrite (As N)	3.651	mg/L	0.20	104	90	110			
Phosphorus, Orthophosphate (As P)	5.280	mg/L	0.50	106	90	110			
Sulfate	10.39	mg/L	0.50	104	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-18665		*MBLK*			Batch ID:	**18665**	Analysis Date:	3/30/2009	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-18665		*LCS*			Batch ID:	**18665**	Analysis Date:	3/30/2009	
Diesel Range Organics (DRO)	6.364	mg/L	1.0	127	74	157			
Sample ID: LCSD-18665		*LCSD*			Batch ID:	**18665**	Analysis Date:	3/30/2009	
Diesel Range Organics (DRO)	5.941	mg/L	1.0	119	74	157	6.88	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R33032**	Analysis Date:	3/31/2009 8:24:28 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R33070**	Analysis Date:	4/2/2009 8:00:37 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R33032**	Analysis Date:	3/31/2009 6:35:10 PM	
Gasoline Range Organics (GRO)	0.5046	mg/L	0.050	101	80	115			
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R33070**	Analysis Date:	4/3/2009 3:19:09 AM	
Gasoline Range Organics (GRO)	0.5306	mg/L	0.050	106	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*			Batch ID:	**R33070**	Analysis Date:	4/3/2009 3:49:28 AM	
Gasoline Range Organics (GRO)	0.4966	mg/L	0.050	99.3	80	115	6.62	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 1st QTR **Work Order:** 0903415

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 0903415-01A MSD		*MSD*			Batch ID:	**R33032**	Analysis Date:	4/1/2009 4:50:28 AM	
Methyl tert-butyl ether (MTBE)	22.74	µg/L	2.5	111	51.2	138	2.83	28	
Benzene	20.74	µg/L	1.0	103	85.9	113	4.08	27	
Toluene	21.82	µg/L	1.0	104	86.4	113	7.06	19	
Ethylbenzene	20.38	µg/L	1.0	102	83.5	118	6.24	10	
Xylenes, Total	60.46	µg/L	2.0	101	83.4	122	5.45	13	
1,2,4-Trimethylbenzene	20.45	µg/L	1.0	102	83.5	115	6.52	21	
1,3,5-Trimethylbenzene	19.31	µg/L	1.0	96.6	85.2	113	6.17	10	
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R33032**	Analysis Date:	3/31/2009 8:24:28 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:	**R33032**	Analysis Date:	3/31/2009 7:05:44 PM	
Methyl tert-butyl ether (MTBE)	21.76	µg/L	2.5	109	51.2	138			
Benzene	20.44	µg/L	1.0	102	85.9	113			
Toluene	21.64	µg/L	1.0	108	86.4	113			
Ethylbenzene	20.91	µg/L	1.0	105	83.5	118			
Xylenes, Total	62.94	µg/L	2.0	105	83.4	122			
1,2,4-Trimethylbenzene	20.51	µg/L	1.0	103	83.5	115			
1,3,5-Trimethylbenzene	20.58	µg/L	1.0	102	85.2	113			
Sample ID: 0903415-01A MS		*MS*			Batch ID:	**R33032**	Analysis Date:	4/1/2009 4:19:46 AM	
Methyl tert-butyl ether (MTBE)	23.39	µg/L	2.5	115	51.2	138			
Benzene	21.60	µg/L	1.0	107	85.9	113			
Toluene	23.42	µg/L	1.0	112	86.4	113			
Ethylbenzene	21.69	µg/L	1.0	108	83.5	118			
Xylenes, Total	63.85	µg/L	2.0	106	83.4	122			
1,2,4-Trimethylbenzene	21.83	µg/L	1.0	109	83.5	115			
1,3,5-Trimethylbenzene	20.54	µg/L	1.0	103	85.2	113			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 1st QTR **Work Order:** 0903415

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs									
Sample ID: MB-18692		*MBLK*			Batch ID:	**18692**	Analysis Date:	4/3/2009 12:11:00 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-18692		*LCS*			Batch ID:	**18692**	Analysis Date:	4/3/2009 12:31:00 PM	
Naphthalene	53.74	µg/L	2.0	67.2	31.5	90.7			
1-Methylnaphthalene	59.57	µg/L	2.0	74.3	32.5	93.3			
2-Methylnaphthalene	53.93	µg/L	2.0	67.4	32.8	89.6			
Acenaphthylene	60.98	µg/L	2.5	76.0	37.8	92.4			
Acenaphthene	63.42	µg/L	5.0	79.3	38.6	93.9			
Fluorene	4.710	µg/L	0.80	58.7	38	95.5			
Phenanthrene	2.990	µg/L	0.60	68.9	32.9	107			
Anthracene	2.880	µg/L	0.60	71.6	35.2	98.3			
Fluoranthene	5.800	µg/L	0.30	72.3	36.4	104			
Pyrene	5.050	µg/L	0.30	63.0	37.1	102			
Benz(a)anthracene	0.6300	µg/L	0.070	78.6	33.7	101			
Chrysene	3.000	µg/L	0.20	74.6	35.2	96.1			
Benzo(b)fluoranthene	0.7600	µg/L	0.10	75.8	33.6	94.2			
Benzo(k)fluoranthene	0.4000	µg/L	0.070	80.0	25.4	110			
Benzo(a)pyrene	0.3600	µg/L	0.070	71.7	26.9	102			
Dibenz(a,h)anthracene	0.7600	µg/L	0.070	75.8	40.7	92.1			
Benzo(g,h,i)perylene	0.7500	µg/L	0.080	70.0	24.3	109			
Indeno(1,2,3-cd)pyrene	1.530	µg/L	0.080	76.3	42.6	99.9			
Method: EPA Method 7470: Mercury									
Sample ID: MB-18742		*MBLK*			Batch ID:	**18742**	Analysis Date:	4/6/2009 4:49:48 PM	
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-18742		*LCS*			Batch ID:	**18742**	Analysis Date:	4/6/2009 4:51:33 PM	
Mercury	0.005181	mg/L	0.00020	104	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 1st QTR **Work Order:** 0903415

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: 0903415-04DMSD		*MSD*			Batch ID:	**18724**	Analysis Date:		4/8/2009 9:09:47 AM
Arsenic	0.5299	mg/L	0.020	106	75	125	1.65	20	
Barium	0.5860	mg/L	0.010	91.6	75	125	1.95	20	
Cadmium	0.4713	mg/L	0.0020	94.3	75	125	0.671	20	
Calcium	93.51	mg/L	0.50	93.3	75	125	3.59	20	
Chromium	0.4795	mg/L	0.0060	95.3	75	125	1.18	20	
Lead	0.4857	mg/L	0.0050	96.2	75	125	0.458	20	
Magnesium	53.12	mg/L	0.50	93.3	75	125	3.04	20	
Potassium	53.27	mg/L	1.0	98.8	75	125	2.79	20	
Silver	0.4767	mg/L	0.0050	95.2	75	125	2.37	20	
Sample ID: MBLK-18664		*MBLK*			Batch ID:	**18664**	Analysis Date:		4/6/2009 9:48:02 AM
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Lead	0.01354	mg/L	0.0050						B
Magnesium	ND	mg/L	0.50						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Sample ID: MB-18724		*MBLK*			Batch ID:	**18724**	Analysis Date:		4/8/2009 8:34:03 AM
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Sample ID: LCS-18664		*LCS*			Batch ID:	**18664**	Analysis Date:		4/6/2009 9:51:16 AM
Arsenic	0.5031	mg/L	0.020	101	80	120			
Barium	0.4865	mg/L	0.010	97.3	80	120			
Cadmium	0.4949	mg/L	0.0020	99.0	80	120			
Calcium	50.36	mg/L	0.50	101	80	120			
Chromium	0.4955	mg/L	0.0060	99.1	80	120			
Lead	0.4870	mg/L	0.0050	94.7	80	120			B
Magnesium	50.90	mg/L	0.50	102	80	120			
Potassium	54.93	mg/L	1.0	110	80	120			
Selenium	0.4940	mg/L	0.050	98.8	80	120			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 1st QTR
Work Order: 0903415

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: LCS-18664		*LCS*			Batch ID:	**18664**	Analysis Date:		4/6/2009 9:51:16 AM
Silver	0.4909	mg/L	0.0050	98.2	80	120			
Sodium	54.90	mg/L	0.50	110	80	120			
Sample ID: LCS-18724		*LCS*			Batch ID:	**18724**	Analysis Date:		4/8/2009 8:36:30 AM
Arsenic	0.5519	mg/L	0.020	110	80	120			
Barium	0.5002	mg/L	0.010	100	80	120			
Cadmium	0.5107	mg/L	0.0020	102	80	120			
Calcium	50.14	mg/L	0.50	100	80	120			
Chromium	0.5241	mg/L	0.0060	105	80	120			
Lead	0.5378	mg/L	0.0050	108	80	120			
Magnesium	48.11	mg/L	0.50	96.2	80	120			
Potassium	50.32	mg/L	1.0	101	80	120			
Selenium	0.5100	mg/L	0.050	102	80	120			
Silver	0.5056	mg/L	0.0050	101	80	120			
Sodium	50.16	mg/L	0.50	100	80	120			
Sample ID: LCS-18664		*LCSD*			Batch ID:	**18664**	Analysis Date:		4/6/2009 9:54:43 AM
Arsenic	0.4943	mg/L	0.020	98.9	80	120	1.76	20	
Barium	0.4935	mg/L	0.010	98.7	80	120	1.43	20	
Cadmium	0.4938	mg/L	0.0020	98.8	80	120	0.215	20	
Calcium	49.66	mg/L	0.50	99.3	80	120	1.40	20	
Chromium	0.4958	mg/L	0.0060	99.2	80	120	0.0708	20	
Lead	0.4893	mg/L	0.0050	95.2	80	120	0.485	20	B
Magnesium	50.23	mg/L	0.50	100	80	120	1.32	20	
Potassium	54.00	mg/L	1.0	108	80	120	1.71	20	
Selenium	0.4947	mg/L	0.050	98.9	80	120	0.133	20	
Silver	0.4960	mg/L	0.0050	99.2	80	120	1.03	20	
Sodium	53.75	mg/L	0.50	108	80	120	2.11	20	
Sample ID: 0903415-04DMS		*MS*			Batch ID:	**18724**	Analysis Date:		4/8/2009 9:05:25 AM
Arsenic	0.5387	mg/L	0.020	108	75	125			
Barium	0.5975	mg/L	0.010	93.9	75	125			
Cadmium	0.4745	mg/L	0.0020	94.9	75	125			
Calcium	96.93	mg/L	0.50	100	75	125			
Chromium	0.4852	mg/L	0.0060	96.5	75	125			
Lead	0.4879	mg/L	0.0050	96.7	75	125			
Magnesium	54.76	mg/L	0.50	96.5	75	125			
Potassium	54.77	mg/L	1.0	102	75	125			
Silver	0.4881	mg/L	0.0050	97.4	75	125			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 3/26/2009

Work Order Number 0903415

Received by: ARS

Sample ID labels checked by: AS
Initials

Checklist completed by: _____ 3/26/09
Signature Date

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 ☑ AS 3/26	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°	*<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: RT3 Box 7
Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 2009 1st QTR
Project #: NAPIS
Project Manager: G. 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. 0903415	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 6010	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 ○)
3/24/09	1400	Aqueous	NAPIS-1	3-VOA's	HCl	1	X															
				3-VOA's	HCl	1			X													
				1-500ml	HNO_3	1							X									
				1L Amber	None	1						X										
				1-500ml	None	1												X				
				1-500ml	H_2SO_4	1												X				
				1-500ml	HNO_3	1												X				
3/24/09	1415		NAPIS-2	3-VOA	HCl	2	X															
				3 VOA	HCl	2			X													
				1-500ml	HNO_3	2							X									
				1L	None	2						X										
				1 500ml	None	2												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/25/09				3/26/09	9:25
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen chem - anions, pH, ec, cations
AT 3/24/09

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

Chain-of-Custody Record

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

Turn-Around Time:
☒ Standard ☐ Rush _____
Project Name: 2009 1st QTR
Project #: NAPIS
Project Manager: G. 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. 0903446	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 N)
3/24/09	1415	Aqueous	NAPIS-2	1-500ml	H_2SO_4	2												X				
3/24/09	1415		NAPIS-2	1-500ml	HNO_3	2												X				
3-25-09	0815		KA-3	3-VOA	HCl	3	X															
				3-VOA	HCl	3			X													
				1-500ml	HNO_3	3							X									
				1-L	None	3						X										
				1-500ml	None	3												X				
				1-500ml	H_2SO_4	3												X				
				1-500ml	HNO_3	3												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
03/25/09	1200	[signature]	[signature]	3/26/09	9:25
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 ~~Refin~~ 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: 2009 1st QTR
Project #: NAPIS
Project Manager: G. Rajen
Sampler: G. 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. 0903115	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)
03-25-09	0845	Aqueous	NAPIS-3	3-VOA	HCl	4	X															
				3-VOA	HCl	4			X													
				1-500ml	HNO_3	4							X									
				1L	None	4						X										
				1-500ml	None	4												X				
				1-500ml	H_2SO_4	4												X				
				1-500ml	HNO_3	4												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
03-25-09	1200	[signature]	[signature]	3/26/09	9:25
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Wednesday, June 17, 2009

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

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

RE: 2009 2nd Quarter NAPIS

Order No.: 0905544

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 5/29/2009 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

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

ACCREDITED IN ACCORDANCE WITH nelac

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

Hall Environmental Analysis Laboratory, Inc. **Date:** *17-Jun-09*

CLIENT:	Western Refining Southwest, Gallup
Project:	2009 2nd Quarter NAPIS
Lab Order:	0905544

CASE NARRATIVE

Analytical Comments for METHOD 8021BTEX/ 8015GRO SAMPLE NAPIS-2: necessary dilution; due to surfactants present in sample.

Analytical Comments for METHOD 300_W, ALL SAMPLES: reporting NO3 and PO4 outside of EPA holdtime. Preserved values inconsistent with unpreserved values.

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	0905544	**Collection Date:**	5/28/2009 8:05:00 AM
Project:	2009 2nd Quarter NAPIS	**Date Received:**	5/29/2009
Lab ID:	0905544-01	**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	6/2/2009
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/2/2009
Surr: DNOP	114	58-140		%REC	1	6/2/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/5/2009 11:27:27 PM
Surr: BFB	81.1	59.9-122		%REC	1	6/5/2009 11:27:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	6/5/2009 11:27:27 PM
Benzene	ND	1.0		µg/L	1	6/5/2009 11:27:27 PM
Toluene	ND	1.0		µg/L	1	6/5/2009 11:27:27 PM
Ethylbenzene	ND	1.0		µg/L	1	6/5/2009 11:27:27 PM
Xylenes, Total	ND	2.0		µg/L	1	6/5/2009 11:27:27 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/5/2009 11:27:27 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/5/2009 11:27:27 PM
Surr: 4-Bromofluorobenzene	86.1	65.9-130		%REC	1	6/5/2009 11:27:27 PM
EPA METHOD 8310: PAHS						Analyst: **JMP**
Naphthalene	ND	2.0		µg/L	1	6/11/2009 10:23:13 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	6/11/2009 10:23:13 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	6/11/2009 10:23:13 PM
Acenaphthylene	ND	2.5		µg/L	1	6/11/2009 10:23:13 PM
Acenaphthene	ND	5.0		µg/L	1	6/11/2009 10:23:13 PM
Fluorene	ND	0.80		µg/L	1	6/11/2009 10:23:13 PM
Phenanthrene	ND	0.60		µg/L	1	6/11/2009 10:23:13 PM
Anthracene	ND	0.60		µg/L	1	6/11/2009 10:23:13 PM
Fluoranthene	ND	0.30		µg/L	1	6/11/2009 10:23:13 PM
Pyrene	ND	0.30		µg/L	1	6/11/2009 10:23:13 PM
Benz(a)anthracene	ND	0.070		µg/L	1	6/11/2009 10:23:13 PM
Chrysene	ND	0.20		µg/L	1	6/11/2009 10:23:13 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/11/2009 10:23:13 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/11/2009 10:23:13 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	6/11/2009 10:23:13 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	6/11/2009 10:23:13 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	6/11/2009 10:23:13 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	6/11/2009 10:23:13 PM
Surr: Benzo(e)pyrene	55.4	44.8-104		%REC	1	6/11/2009 10:23:13 PM
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Fluoride	1.2	0.10		mg/L	1	6/9/2009 10:17:40 AM
Chloride	150	1.0		mg/L	10	6/9/2009 10:35:04 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
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-09*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0905544
Project: 2009 2nd Quarter NAPIS
Lab ID: 0905544-01

Client Sample ID: NAPIS-1
Collection Date: 5/28/2009 8:05:00 AM
Date Received: 5/29/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **TAF**
Nitrogen, Nitrate (As N)	0.31	0.10	H	mg/L	1	6/9/2009 10:17:40 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	6/9/2009 10:17:40 AM
Sulfate	71	5.0		mg/L	10	6/9/2009 10:35:04 AM
EPA METHOD 7470: MERCURY						Analyst: **MMS**
Mercury	ND	0.00020		mg/L	1	6/3/2009 3:15:12 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	6/5/2009 3:55:58 PM
Barium	0.091	0.020		mg/L	1	6/5/2009 3:55:58 PM
Cadmium	ND	0.0020		mg/L	1	6/5/2009 3:55:58 PM
Calcium	57	1.0		mg/L	1	6/5/2009 3:55:58 PM
Chromium	ND	0.0060		mg/L	1	6/5/2009 3:55:58 PM
Lead	ND	0.0050		mg/L	1	6/5/2009 3:55:58 PM
Magnesium	11	1.0		mg/L	1	6/5/2009 3:55:58 PM
Potassium	ND	1.0		mg/L	1	6/5/2009 3:55:58 PM
Selenium	ND	0.050		mg/L	1	6/5/2009 3:55:58 PM
Silver	ND	0.0050		mg/L	1	6/5/2009 3:55:58 PM
Sodium	390	5.0		mg/L	5	6/9/2009 2:02:56 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **BDH**
Specific Conductance	1900	0.010		µmhos/cm	1	6/1/2009
SM4500-H+B: PH						Analyst: **BDH**
pH	7.82	0.1		pH units	1	5/29/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	0905544	**Collection Date:**	5/28/2009 8:40:00 AM
Project:	2009 2nd Quarter NAPIS	**Date Received:**	5/29/2009
Lab ID:	0905544-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	3.4	1.0		mg/L	1	6/2/2009
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/2/2009
Surr: DNOP	113	58-140		%REC	1	6/2/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.53	0.25		mg/L	5	6/6/2009 8:44:44 PM
Surr: BFB	86.4	59.9-122		%REC	5	6/6/2009 8:44:44 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	130	25		µg/L	10	6/6/2009 12:28:39 AM
Benzene	28	5.0		µg/L	5	6/6/2009 8:44:44 PM
Toluene	ND	5.0		µg/L	5	6/6/2009 8:44:44 PM
Ethylbenzene	5.3	5.0		µg/L	5	6/6/2009 8:44:44 PM
Xylenes, Total	ND	10		µg/L	5	6/6/2009 8:44:44 PM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	6/6/2009 8:44:44 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	6/6/2009 8:44:44 PM
Surr: 4-Bromofluorobenzene	94.9	65.9-130		%REC	5	6/6/2009 8:44:44 PM
EPA METHOD 8310: PAHS						Analyst: **JMP**
Naphthalene	30	2.0		µg/L	1	6/11/2009 10:43:29 PM
1-Methylnaphthalene	4.2	2.0		µg/L	1	6/11/2009 10:43:29 PM
2-Methylnaphthalene	2.3	2.0		µg/L	1	6/11/2009 10:43:29 PM
Acenaphthylene	ND	2.5		µg/L	1	6/11/2009 10:43:29 PM
Acenaphthene	ND	5.0		µg/L	1	6/11/2009 10:43:29 PM
Fluorene	ND	0.80		µg/L	1	6/11/2009 10:43:29 PM
Phenanthrene	ND	0.60		µg/L	1	6/11/2009 10:43:29 PM
Anthracene	ND	0.60		µg/L	1	6/11/2009 10:43:29 PM
Fluoranthene	ND	0.30		µg/L	1	6/11/2009 10:43:29 PM
Pyrene	ND	0.30		µg/L	1	6/11/2009 10:43:29 PM
Benz(a)anthracene	ND	0.070		µg/L	1	6/11/2009 10:43:29 PM
Chrysene	ND	0.20		µg/L	1	6/11/2009 10:43:29 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/11/2009 10:43:29 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/11/2009 10:43:29 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	6/11/2009 10:43:29 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	6/11/2009 10:43:29 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	6/11/2009 10:43:29 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	6/11/2009 10:43:29 PM
Surr: Benzo(e)pyrene	83.5	44.8-104		%REC	1	6/11/2009 10:43:29 PM
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Fluoride	1.7	0.10		mg/L	1	6/9/2009 8:24:42 PM
Chloride	210	2.0		mg/L	20	6/9/2009 8:42:06 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	0905544	**Collection Date:**	5/28/2009 8:40:00 AM
Project:	2009 2nd Quarter NAPIS	**Date Received:**	5/29/2009
Lab ID:	0905544-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Nitrogen, Nitrate (As N)	0.16	0.10	H	mg/L	1	6/9/2009 8:24:42 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	6/9/2009 8:24:42 PM
Sulfate	22	0.50		mg/L	1	6/9/2009 8:24:42 PM
EPA METHOD 7470: MERCURY						Analyst: **MMS**
Mercury	ND	0.00020		mg/L	1	6/3/2009 3:17:00 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	6/5/2009 4:00:15 PM
Barium	0.65	0.020		mg/L	1	6/5/2009 4:00:15 PM
Cadmium	ND	0.0020		mg/L	1	6/5/2009 4:00:15 PM
Calcium	51	1.0		mg/L	1	6/5/2009 4:00:15 PM
Chromium	ND	0.0060		mg/L	1	6/5/2009 4:00:15 PM
Lead	ND	0.0050		mg/L	1	6/5/2009 4:00:15 PM
Magnesium	9.9	1.0		mg/L	1	6/5/2009 4:00:15 PM
Potassium	ND	1.0		mg/L	1	6/5/2009 4:00:15 PM
Selenium	ND	0.050		mg/L	1	6/5/2009 4:00:15 PM
Silver	ND	0.0050		mg/L	1	6/5/2009 4:00:15 PM
Sodium	290	5.0		mg/L	5	6/9/2009 2:05:43 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	1400	0.010		µmhos/cm	1	6/10/2009
SM4500-H+B: PH						Analyst: **NSB**
pH	7.51	0.1	H	pH units	1	6/10/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	0905544	**Collection Date:**	5/28/2009 9:30:00 AM
Project:	2009 2nd Quarter NAPIS	**Date Received:**	5/29/2009
Lab ID:	0905544-03	**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	6/2/2009
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/2/2009
Surr: DNOP	118	58-140		%REC	1	6/2/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.32	0.050		mg/L	1	6/6/2009 9:15:13 PM
Surr: BFB	95.3	59.9-122		%REC	1	6/6/2009 9:15:13 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	130	25		µg/L	10	6/6/2009 12:59:05 AM
Benzene	3.3	1.0		µg/L	1	6/6/2009 9:15:13 PM
Toluene	1.2	1.0		µg/L	1	6/6/2009 9:15:13 PM
Ethylbenzene	ND	1.0		µg/L	1	6/6/2009 9:15:13 PM
Xylenes, Total	ND	2.0		µg/L	1	6/6/2009 9:15:13 PM
1,2,4-Trimethylbenzene	1.1	1.0		µg/L	1	6/6/2009 9:15:13 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/6/2009 9:15:13 PM
Surr: 4-Bromofluorobenzene	97.4	65.9-130		%REC	1	6/6/2009 9:15:13 PM
EPA METHOD 8310: PAHS						Analyst: **JMP**
Naphthalene	47	2.0		µg/L	1	6/11/2009 11:03:43 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	6/11/2009 11:03:43 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	6/11/2009 11:03:43 PM
Acenaphthylene	ND	2.5		µg/L	1	6/11/2009 11:03:43 PM
Acenaphthene	ND	5.0		µg/L	1	6/11/2009 11:03:43 PM
Fluorene	ND	0.80		µg/L	1	6/11/2009 11:03:43 PM
Phenanthrene	ND	0.60		µg/L	1	6/11/2009 11:03:43 PM
Anthracene	ND	0.60		µg/L	1	6/11/2009 11:03:43 PM
Fluoranthene	ND	0.30		µg/L	1	6/11/2009 11:03:43 PM
Pyrene	ND	0.30		µg/L	1	6/11/2009 11:03:43 PM
Benz(a)anthracene	ND	0.070		µg/L	1	6/11/2009 11:03:43 PM
Chrysene	ND	0.20		µg/L	1	6/11/2009 11:03:43 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/11/2009 11:03:43 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/11/2009 11:03:43 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	6/11/2009 11:03:43 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	6/11/2009 11:03:43 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	6/11/2009 11:03:43 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	6/11/2009 11:03:43 PM
Surr: Benzo(e)pyrene	64.6	44.8-104		%REC	1	6/11/2009 11:03:43 PM
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Fluoride	1.6	0.10		mg/L	1	6/9/2009 9:16:55 PM
Chloride	260	2.0		mg/L	20	6/9/2009 9:34:21 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-09*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0905544
Project: 2009 2nd Quarter NAPIS
Lab ID: 0905544-03

Client Sample ID: KA-3
Collection Date: 5/28/2009 9:30:00 AM
Date Received: 5/29/2009
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Nitrogen, Nitrate (As N)	0.22	0.10	H	mg/L	1	6/9/2009 9:16:55 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	6/9/2009 9:16:55 PM
Sulfate	66	10		mg/L	20	6/9/2009 9:34:21 PM
EPA METHOD 7470: MERCURY						Analyst: MMS
Mercury	ND	0.00020		mg/L	1	6/3/2009 3:18:47 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: TES
Arsenic	ND	0.020		mg/L	1	6/5/2009 4:04:12 PM
Barium	0.29	0.020		mg/L	1	6/5/2009 4:04:12 PM
Cadmium	ND	0.0020		mg/L	1	6/5/2009 4:04:12 PM
Calcium	71	1.0		mg/L	1	6/5/2009 4:04:12 PM
Chromium	ND	0.0060		mg/L	1	6/5/2009 4:04:12 PM
Lead	ND	0.0050		mg/L	1	6/5/2009 4:04:12 PM
Magnesium	11	1.0		mg/L	1	6/5/2009 4:04:12 PM
Potassium	ND	1.0		mg/L	1	6/5/2009 4:04:12 PM
Selenium	ND	0.050		mg/L	1	6/5/2009 4:04:12 PM
Silver	ND	0.0050		mg/L	1	6/5/2009 4:04:12 PM
Sodium	330	5.0		mg/L	5	6/9/2009 2:08:32 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: BDH
Specific Conductance	1700	0.010		µmhos/cm	1	5/29/2009
SM4500-H+B: PH						Analyst: BDH
pH	7.71	0.1		pH units	1	5/29/2009

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jun-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0905544	**Collection Date:**	
Project:	2009 2nd Quarter NAPIS	**Date Received:**	5/29/2009
Lab ID:	0905544-04	**Matrix:**	AQUEOUS

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	6/6/2009 1:29:39 AM
Surr: BFB	83.8	59.9-122		%REC	1	6/6/2009 1:29:39 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	6/6/2009 1:29:39 AM
Benzene	ND	1.0		µg/L	1	6/6/2009 1:29:39 AM
Toluene	ND	1.0		µg/L	1	6/6/2009 1:29:39 AM
Ethylbenzene	ND	1.0		µg/L	1	6/6/2009 1:29:39 AM
Xylenes, Total	ND	2.0		µg/L	1	6/6/2009 1:29:39 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/6/2009 1:29:39 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/6/2009 1:29:39 AM
Surr: 4-Bromofluorobenzene	90.5	65.9-130		%REC	1	6/6/2009 1:29:39 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
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 2nd Quarter NAPIS **Work Order:** 0905544

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: 0905544-01DMSD		*MSD*			Batch ID:	**R34017**	Analysis Date:	6/9/2009 11:27:18 AM	
Fluoride	1.692	mg/L	0.10	92.9	75.3	117	0.480	20	
Nitrogen, Nitrate (As N)	2.835	mg/L	0.10	101	82.4	109	4.49	20	
Phosphorus, Orthophosphate (As P)	4.989	mg/L	0.50	99.8	74.5	116	3.36	20	
Sample ID: MB		*MBLK*			Batch ID:	**R34017**	Analysis Date:	6/9/2009 9:08:02 AM	
Fluoride	ND	mg/L	0.10						
Chloride	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-2		*MBLK*			Batch ID:	**R34017**	Analysis Date:	6/9/2009 8:44:27 PM	
Fluoride	ND	mg/L	0.10						
Chloride	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:	**R34021**	Analysis Date:	6/9/2009 9:58:01 AM	
Fluoride	ND	mg/L	0.10						
Chloride	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:	**R34036**	Analysis Date:	6/10/2009 6:34:04 AM	
Fluoride	ND	mg/L	0.10						
Chloride	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:	**R34017**	Analysis Date:	6/9/2009 9:25:26 AM	
Fluoride	0.5035	mg/L	0.10	101	90	110			
Chloride	4.837	mg/L	0.10	96.7	90	110			
Nitrogen, Nitrate (As N)	2.445	mg/L	0.10	97.8	90	110			
Phosphorus, Orthophosphate (As P)	4.853	mg/L	0.50	97.1	90	110			
Sulfate	9.700	mg/L	0.50	97.0	90	110			
Sample ID: LCS-2		*LCS*			Batch ID:	**R34017**	Analysis Date:	6/9/2009 9:01:51 PM	
Fluoride	0.5140	mg/L	0.10	103	90	110			
Chloride	4.830	mg/L	0.10	96.6	90	110			
Nitrogen, Nitrate (As N)	2.457	mg/L	0.10	98.3	90	110			
Phosphorus, Orthophosphate (As P)	4.849	mg/L	0.50	97.0	90	110			
Sulfate	9.785	mg/L	0.50	97.9	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R34021**	Analysis Date:	6/9/2009 10:15:26 AM	
Fluoride	0.4765	mg/L	0.10	95.3	90	110			
Chloride	4.816	mg/L	0.10	96.3	90	110			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 2nd Quarter NAPIS

Work Order: 0905544

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: LCS		*LCS*			Batch ID: **R34021**		Analysis Date:	6/9/2009 10:15:26 AM	
Nitrogen, Nitrate (As N)	2.496	mg/L	0.10	99.8	90	110			
Phosphorus, Orthophosphate (As P)	4.682	mg/L	0.50	93.6	90	110			
Sulfate	9.763	mg/L	0.50	97.6	90	110			
Sample ID: LCS		*LCS*			Batch ID: **R34036**		Analysis Date:	6/10/2009 6:51:28 AM	
Fluoride	0.4943	mg/L	0.10	98.9	90	110			
Chloride	4.799	mg/L	0.10	96.0	90	110			
Nitrogen, Nitrate (As N)	2.507	mg/L	0.10	100	90	110			
Phosphorus, Orthophosphate (As P)	4.862	mg/L	0.50	97.2	90	110			
Sulfate	9.795	mg/L	0.50	97.9	90	110			
Sample ID: 0905544-01DMS		*MS*			Batch ID: **R34017**		Analysis Date:	6/9/2009 11:09:54 AM	
Fluoride	1.684	mg/L	0.10	91.2	75.3	117			
Nitrogen, Nitrate (As N)	2.711	mg/L	0.10	96.2	82.4	109			
Phosphorus, Orthophosphate (As P)	4.824	mg/L	0.50	96.5	74.5	116			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-19231		*MBLK*			Batch ID: **19231**		Analysis Date:	6/2/2009	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-19231		*LCS*			Batch ID: **19231**		Analysis Date:	6/2/2009	
Diesel Range Organics (DRO)	6.666	mg/L	1.0	133	74	157			
Sample ID: LCSD-19231		*LCSD*			Batch ID: **19231**		Analysis Date:	6/2/2009	
Diesel Range Organics (DRO)	6.644	mg/L	1.0	133	74	157	0.335	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID: **R33978**		Analysis Date:	6/5/2009 8:52:07 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID: **R33978**		Analysis Date:	6/6/2009 12:38:53 PM	
Gasoline Range Organics (GRO)	0.5664	mg/L	0.050	113	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*			Batch ID: **R33978**		Analysis Date:	6/6/2009 1:09:14 PM	
Gasoline Range Organics (GRO)	0.5490	mg/L	0.050	110	80	115	3.12	8.39	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 2nd Quarter NAPIS

Work Order: 0905544

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R33978**	Analysis Date:		6/5/2009 8:52:07 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:	**R33978**	Analysis Date:		6/5/2009 7:23:20 PM
Methyl tert-butyl ether (MTBE)	18.36	µg/L	2.5	91.8	51.2	138			
Benzene	19.32	µg/L	1.0	96.6	85.9	113			
Toluene	19.52	µg/L	1.0	97.6	86.4	113			
Ethylbenzene	19.52	µg/L	1.0	97.6	83.5	118			
Xylenes, Total	59.44	µg/L	2.0	99.1	83.4	122			
1,2,4-Trimethylbenzene	20.87	µg/L	1.0	104	83.5	115			
1,3,5-Trimethylbenzene	19.57	µg/L	1.0	97.9	85.2	113			
Sample ID: 100NG BTEX LCSD		*LCSD*			Batch ID:	**R33978**	Analysis Date:		6/5/2009 7:53:53 PM
Methyl tert-butyl ether (MTBE)	19.06	µg/L	2.5	95.3	51.2	138	3.72	28	
Benzene	19.61	µg/L	1.0	98.0	85.9	113	1.49	27	
Toluene	19.70	µg/L	1.0	98.5	86.4	113	0.918	19	
Ethylbenzene	19.64	µg/L	1.0	98.2	83.5	118	0.613	10	
Xylenes, Total	59.29	µg/L	2.0	98.8	83.4	122	0.253	13	
1,2,4-Trimethylbenzene	20.32	µg/L	1.0	102	83.5	115	2.71	21	
1,3,5-Trimethylbenzene	19.46	µg/L	1.0	97.3	85.2	113	0.594	10	
Method: EPA Method 7470: Mercury									
Sample ID: MB-19251		*MBLK*			Batch ID:	**19251**	Analysis Date:		6/3/2009 2:48:07 PM
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-19251		*LCS*			Batch ID:	**19251**	Analysis Date:		6/3/2009 2:49:56 PM
Mercury	0.004931	mg/L	0.00020	98.6	80	120			
Sample ID: LCS-19251		*LCSD*			Batch ID:	**19251**	Analysis Date:		6/3/2009 2:51:45 PM
Mercury	0.004947	mg/L	0.00020	98.9	80	120	0.335	0	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 2nd Quarter NAPIS

Work Order: 0905544

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-19242		*MBLK*			Batch ID:	**19242**	Analysis Date:	6/5/2009 2:43:07 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Sample ID: LCS-19242		*LCS*			Batch ID:	**19242**	Analysis Date:	6/5/2009 2:46:20 PM	
Arsenic	0.4901	mg/L	0.020	98.0	80	120			
Barium	0.4583	mg/L	0.010	91.7	80	120			
Cadmium	0.4703	mg/L	0.0020	94.1	80	120			
Calcium	49.57	mg/L	0.50	99.1	80	120			
Chromium	0.4595	mg/L	0.0060	91.9	80	120			
Lead	0.4750	mg/L	0.0050	95.0	80	120			
Magnesium	49.91	mg/L	0.50	99.8	80	120			
Potassium	53.49	mg/L	1.0	107	80	120			
Selenium	0.4778	mg/L	0.050	95.6	80	120			
Silver	0.5023	mg/L	0.0050	100	80	120			
Sodium	53.05	mg/L	0.50	106	80	120			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 5/29/2009

Work Order Number 0905544

Received by: ARS

Sample ID labels checked by: AS
Initials

Checklist completed by: [signature] 5/29/09
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 ☐		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?	**1.5°**	*<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: PO Box 7 Gallup, NM 87301
Phone #: 505-722-3833
email or Fax#: 505-722-0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 2009 2nd QTR NAPIS
Project #:
Project Manager: G. Rajen
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. 0905549	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)	Gen Chem				Air Bubbles (Y or N)
5/28/09	0805	H_2O	NAPIS-1	3VOA	HCl	-1	X															
				3VOA	HCl	-1			X													
				1-500ml	HNO3	-1							X									
				1L-Amber	None	-1						X										
				1-500	None	-1												X				
				1-125	H_2SO_4	-1												X				
				1-500	HNO3	-1												X				
5/28/09	0840		NAPIS-2	3-VOA	HCl	-2	X															
				3-VOA	HCl	-2		X														
				1-500ml	HNO3	-2							X									
				1L Amber	None	-2						X										
				1-500ml	None	-2												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/28/09	1030				
Date:	Time:	Relinquished by:	Received by:	Date	Time
				5/29/09	12:00

Remarks: GenChem - Cations, Anions, pH Cond. 8015B - GRO-DRO extended.

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: PO Box 7 Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 2009 2nd QTR NAPIS
Project #:
Project Manager: G. Rajen
Sampler: C Johnson
On Ice: X Yes ☐ No
Sample Temperature: 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. 0905429	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)
5/28/09	0840	H_2O	NAPIS-2	1-125ml	H_2SO_4	-2												X				
	"			1-500	HNO3	-2												X				
5/28/09	0930		KA-3	3-VOA	HCl	-3	X															
				3-VOA	HCl	-3			X													
				1-500	HNO3	-3							X									
				1-L Amb.	None	-3						X										
				1-500	None	-3												X				
				1-125	H_2SO_4	-3												X				
				1-500	HNO3	-3												X				
			TRIP BLANK			-4																

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/28/09	1030			5/29/09	12:00
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen Chem: Cations, Anions, pH. Conductivity
8015B: GRO/DRO extended.

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Thursday, July 02, 2009

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

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

RE: 2009 2nd QTR NAPIS

Order No.: 0906335

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 6/17/2009 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

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

ACCREDITED IN ACCORDANCE WITH nelac

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

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	0906335	**Collection Date:**	6/15/2009 10:15:00 AM
Project:	2009 2nd QTR NAPIS	**Date Received:**	6/17/2009
Lab ID:	0906335-01	**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	6/22/2009
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	6/22/2009
Surr: DNOP	123	58-140		%REC	1	6/22/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	6/20/2009 10:54:50 AM
Surr: BFB	77.5	59.9-122		%REC	1	6/20/2009 10:54:50 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	6/20/2009 10:54:50 AM
Benzene	ND	1.0		µg/L	1	6/20/2009 10:54:50 AM
Toluene	ND	1.0		µg/L	1	6/20/2009 10:54:50 AM
Ethylbenzene	ND	1.0		µg/L	1	6/20/2009 10:54:50 AM
Xylenes, Total	ND	2.0		µg/L	1	6/20/2009 10:54:50 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2009 10:54:50 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2009 10:54:50 AM
Surr: 4-Bromofluorobenzene	85.7	65.9-130		%REC	1	6/20/2009 10:54:50 AM
EPA METHOD 8310: PAHS						Analyst: **JMP**
Naphthalene	ND	2.0		µg/L	1	6/29/2009 6:45:47 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	6/29/2009 6:45:47 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	6/29/2009 6:45:47 PM
Acenaphthylene	ND	2.5		µg/L	1	6/29/2009 6:45:47 PM
Acenaphthene	ND	5.0		µg/L	1	6/29/2009 6:45:47 PM
Fluorene	ND	0.80		µg/L	1	6/29/2009 6:45:47 PM
Phenanthrene	ND	0.60		µg/L	1	6/29/2009 6:45:47 PM
Anthracene	ND	0.60		µg/L	1	6/29/2009 6:45:47 PM
Fluoranthene	ND	0.30		µg/L	1	6/29/2009 6:45:47 PM
Pyrene	ND	0.30		µg/L	1	6/29/2009 6:45:47 PM
Benz(a)anthracene	ND	0.070		µg/L	1	6/29/2009 6:45:47 PM
Chrysene	ND	0.20		µg/L	1	6/29/2009 6:45:47 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	6/29/2009 6:45:47 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	6/29/2009 6:45:47 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	6/29/2009 6:45:47 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	6/29/2009 6:45:47 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	6/29/2009 6:45:47 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	6/29/2009 6:45:47 PM
Surr: Benzo(e)pyrene	45.4	28.3-111		%REC	1	6/29/2009 6:45:47 PM
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Fluoride	0.46	0.10		mg/L	1	6/25/2009 11:24:38 PM
Chloride	1200	10		mg/L	100	6/26/2009 12:39:46 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
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Jul-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	0906335	**Collection Date:**	6/15/2009 10:15:00 AM
Project:	2009 2nd QTR NAPIS	**Date Received:**	6/17/2009
Lab ID:	0906335-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Nitrate (As N)+Nitrite (As N)	18	4.0		mg/L	20	6/26/2009 12:57:11 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	6/25/2009 11:24:38 PM
Sulfate	330	10		mg/L	20	6/25/2009 11:42:03 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **DAM**
Specific Conductance	4200	0.010		µmhos/cm	1	6/19/2009
SM4500-H+B: PH						Analyst: **DAM**
pH	8.23	0.1		pH units	1	6/19/2009

Qualifiers:

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

ENVIRONMENTAL
SCIENCE CORP.

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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

June 26, 2009

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

ESC Sample # : L408295-01

Date Received : June 18, 2009
Description :

Site ID :

Sample ID : NAPIS-3

Project # : 0906335

Collected By :
Collection Date : 06/15/09 10:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	06/19/09	1
Arsenic	BDL	0.020	mg/l	6010B	06/25/09	1
Barium	0.14	0.0050	mg/l	6010B	06/25/09	1
Cadmium	BDL	0.0050	mg/l	6010B	06/25/09	1
Calcium	49.	0.50	mg/l	6010B	06/25/09	1
Chromium	BDL	0.010	mg/l	6010B	06/25/09	1
Lead	BDL	0.0050	mg/l	6010B	06/25/09	1
Magnesium	6.8	0.10	mg/l	6010B	06/25/09	1
Potassium	4.2	0.50	mg/l	6010B	06/25/09	1
Selenium	BDL	0.020	mg/l	6010B	06/25/09	1
Silver	BDL	0.010	mg/l	6010B	06/25/09	1
Sodium	840	0.50	mg/l	6010B	06/25/09	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: 06/26/09 12:34 Printed: 06/26/09 12:34

ENVIRONMENTAL
SCIENCE CORP.

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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

L408295

June 26, 2009

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Mercury	< .0002	mg/l			WG427240	06/19/09 18:40
Arsenic	< .02	mg/l			WG427956	06/25/09 15:05
Barium	< .005	mg/l			WG427956	06/25/09 15:05
Cadmium	< .005	mg/l			WG427956	06/25/09 15:05
Calcium	< .5	mg/l			WG427956	06/25/09 15:05
Chromium	< .01	mg/l			WG427956	06/25/09 15:05
Lead	< .005	mg/l			WG427956	06/25/09 15:05
Magnesium	< .1	mg/l			WG427956	06/25/09 15:05
Potassium	< .5	mg/l			WG427956	06/25/09 15:05
Selenium	< .02	mg/l			WG427956	06/25/09 15:05
Silver	< .01	mg/l			WG427956	06/25/09 15:05
Sodium	< .5	mg/l			WG427956	06/25/09 15:05

Duplicates

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.00024	0.00	0.00	20	L408297-16	WG427240
Arsenic	mg/l	0.00	0.00	0.00	20	L408277-06	WG427956
Barium	mg/l	0.00796	0.00789	1.65	20	L408277-06	WG427956
Cadmium	mg/l	0.00	0.00	0.00	20	L408277-06	WG427956
Calcium	mg/l	268.	268.	0.00	20	L408277-06	WG427956
Chromium	mg/l	0.00	0.00	0.00	20	L408277-06	WG427956
Lead	mg/l	0.00	0.00	0.00	20	L408277-06	WG427956
Magnesium	mg/l	112.	116.	3.51	20	L408277-06	WG427956
Potassium	mg/l	1.36	1.39	0.738	20	L408277-06	WG427956
Selenium	mg/l	0.00	0.00	0.00	20	L408277-06	WG427956
Silver	mg/l	0.00	0.00360	NA	20	L408277-06	WG427956
Sodium	mg/l	16.0	16.3	1.86	20	L408277-06	WG427956

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Mercury	mg/l	0.003	0.00298	99.3	85-115	WG427240
Arsenic	mg/l	1.13	1.02	90.3	85-115	WG427956
Barium	mg/l	1.13	1.07	94.7	85-115	WG427956
Cadmium	mg/l	1.13	1.08	95.6	85-115	WG427956
Calcium	mg/l	11.3	10.7	94.7	85-115	WG427956
Chromium	mg/l	1.13	1.03	91.2	85-115	WG427956
Lead	mg/l	1.13	1.07	94.7	85-115	WG427956
Magnesium	mg/l	11.3	10.5	92.9	85-115	WG427956
Potassium	mg/l	11.3	10.3	91.2	85-115	WG427956
Selenium	mg/l	1.13	1.01	89.4	85-115	WG427956
Silver	mg/l	1.13	0.992	87.8	85-115	WG427956
Sodium	mg/l	11.3	10.3	91.2	85-115	WG427956

Matrix Spike

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/l	0.00228	0.00	.003	76.0	70-130	L408297-16	WG427240
Arsenic	mg/l	1.01	0.00	1.13	89.4	75-125	L408277-06	WG427956
Barium	mg/l	1.01	0.00789	1.13	88.7	75-125	L408277-06	WG427956

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

ENVIRONMENTAL
SCIENCE CORP.

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Tax I.D. 62-0814289

Est. 1970

Hall Environmental Analysis Laboratory
Anne Thorne
4901 Hawkins NE

Albuquerque, NM 87109

Quality Assurance Report
Level II

L408295

June 26, 2009

Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Matrix Spike								
Cadmium	mg/l	0.0124	0.00	1.13	88.4	75-125	L408277-05	WG427956
Calcium	mg/l	282.	268.	11.3	124.	75-125	L408277-06	WG427956
Chromium	mg/l	0.994	0.00	1.13	88.0	75-125	L408277-06	WG427956
Lead	mg/l	1.00	0.00	1.13	88.6	75-125	L408277-06	WG427956
Magnesium	mg/l	123.	116.	11.3	61.9*	75-125	L408277-06	WG427956
Potassium	mg/l	11.6	1.36	11.3	90.6	75-125	L408277-06	WG427956
Selenium	mg/l	0.933	0.00	1.13	82.6	75-125	L408277-06	WG427956
Silver	mg/l	0.154	0.00360	1.13	13.3*	75-125	L408277-06	WG427956
Sodium	mg/l	27.2	16.3	11.3	96.5	75-125	L408277-06	WG427956

Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Matrix Spike Duplicate									
Mercury	mg/l	0.002	0.0022	74.1	70-130	2.22	20	L408277-16	WG427240
Arsenic	mg/l	1.03	1.01	91.2	75-125	1.96	20	L408277-06	WG427956
Barium	mg/l	0.104	0.0104	91.0	75-125	2.93	20	L408277-06	WG427956
Cadmium	mg/l	1.04	1.01	92.0	75-125	2.93	20	L408277-06	WG427956
Calcium	mg/l	284.	282.	141.593*	75-125	0.707	20	L408277-06	WG427956
Chromium	mg/l	1.07	0.994	90.3	75-125	8.58	20	L408277-06	WG427956
Lead	mg/l	1.03	1.00	91.2	75-125	2.96	20	L408277-06	WG427956
Magnesium	mg/l	126.	123.	88.5	75-125	2.41	20	L408277-06	WG427956
Potassium	mg/l	11.7	11.6	61.5	75-125	0.858	20	L408277-06	WG427956
Selenium	mg/l	0.955	0.933	84.5	75-125	2.33	20	L408277-06	WG427956
Silver	mg/l	0.135	0.154	11.628*	75-125	13.1	20	L408277-06	WG427956
Sodium	mg/l	27.3	27.2	97.9	75-125	0.367	20	L408277-06	WG427956

Batch number /Run number / Sample number cross reference

WG427240: R788395: L408295-01
WG427956: R794626: L408295-01

* * 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: 2009 2nd QTR NAPIS
Work Order: 0906335

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R34247**	Analysis Date:	6/25/2009 6:52:14 AM	
Fluoride	ND	mg/L	0.10						
Chloride	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:	**R34272**	Analysis Date:	6/26/2009 8:53:28 AM	
Fluoride	ND	mg/L	0.10						
Chloride	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: MB2		*MBLK*			Batch ID:	**R34272**	Analysis Date:	6/27/2009 5:46:59 AM	
Fluoride	ND	mg/L	0.10						
Chloride	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:	**R34247**	Analysis Date:	6/25/2009 7:09:38 AM	
Fluoride	0.5127	mg/L	0.10	103	90	110			
Chloride	4.953	mg/L	0.10	99.1	90	110			
Nitrate (As N)+Nitrite (As N)	3.496	mg/L	0.20	99.9	90	110			
Phosphorus, Orthophosphate (As P)	5.025	mg/L	0.50	101	90	110			
Sulfate	9.953	mg/L	0.50	99.5	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R34272**	Analysis Date:	6/26/2009 9:10:52 AM	
Fluoride	0.5035	mg/L	0.10	101	90	110			
Chloride	4.834	mg/L	0.10	96.7	90	110			
Nitrate (As N)+Nitrite (As N)	3.400	mg/L	0.20	97.1	90	110			
Phosphorus, Orthophosphate (As P)	4.824	mg/L	0.50	96.5	90	110			
Sulfate	9.754	mg/L	0.50	97.5	90	110			
Sample ID: LCS2		*LCS*			Batch ID:	**R34272**	Analysis Date:	6/27/2009 6:04:24 AM	
Fluoride	0.4872	mg/L	0.10	97.4	90	110			
Chloride	4.831	mg/L	0.10	96.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.403	mg/L	0.20	97.2	90	110			
Phosphorus, Orthophosphate (As P)	4.852	mg/L	0.50	97.0	90	110			
Sulfate	9.656	mg/L	0.50	96.6	90	110			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 2nd QTR NAPIS

Work Order: 0906335

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-19416		*MBLK*			Batch ID:	**19416**	Analysis Date:		6/22/2009
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-19416		*LCS*			Batch ID:	**19416**	Analysis Date:		6/22/2009
Diesel Range Organics (DRO)	5.286	mg/L	1.0	106	74	157			
Sample ID: LCSD-19416		*LCSD*			Batch ID:	**19416**	Analysis Date:		6/22/2009
Diesel Range Organics (DRO)	5.124	mg/L	1.0	102	74	157	3.12	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R34172**	Analysis Date:		6/19/2009 9:36:06 AM
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R34172**	Analysis Date:		6/20/2009 5:19:49 AM
Gasoline Range Organics (GRO)	0.5442	mg/L	0.050	109	80	115			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 2nd QTR NAPIS **Work Order:** 0906335

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R34172**	Analysis Date:	6/19/2009 9:36:06 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: B 41		*MBLK*			Batch ID:	**R34172**	Analysis Date:	6/20/2009 7:21:32 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:	**R34172**	Analysis Date:	6/19/2009 8:42:30 PM	
Methyl tert-butyl ether (MTBE)	23.37	µg/L	2.5	117	51.2	138			
Benzene	23.42	µg/L	1.0	117	85.9	113			S
Toluene	22.19	µg/L	1.0	111	86.4	113			
Ethylbenzene	21.26	µg/L	1.0	106	83.5	118			
Xylenes, Total	62.13	µg/L	2.0	104	83.4	122			
1,2,4-Trimethylbenzene	19.01	µg/L	1.0	95.0	83.5	115			
1,3,5-Trimethylbenzene	18.78	µg/L	1.0	93.9	85.2	113			
Sample ID: 100NG GRO LCS-II		*LCS*			Batch ID:	**R34172**	Analysis Date:	6/20/2009 6:51:05 AM	
Methyl tert-butyl ether (MTBE)	22.18	µg/L	2.5	55.0	51.2	138			
Benzene	23.07	µg/L	1.0	114	85.9	113			S
Toluene	22.40	µg/L	1.0	110	86.4	113			
Ethylbenzene	21.38	µg/L	1.0	106	83.5	118			
Xylenes, Total	62.50	µg/L	2.0	104	83.4	122			
1,2,4-Trimethylbenzene	19.21	µg/L	1.0	94.3	83.5	115			
1,3,5-Trimethylbenzene	19.01	µg/L	1.0	94.2	85.2	113			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 2nd QTR NAPIS

Work Order: 0906335

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs									
Sample ID: MB-19407		*MBLK*			Batch ID: **19407**		Analysis Date: 6/29/2009 3:44:09 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-19407		*LCS*			Batch ID: **19407**		Analysis Date: 6/30/2009 6:07:49 PM		
Naphthalene	27.21	µg/L	2.0	34.0	20.5	109			
1-Methylnaphthalene	30.10	µg/L	2.0	37.5	23.1	116			
2-Methylnaphthalene	30.24	µg/L	2.0	37.8	19.5	112			
Acenaphthylene	37.81	µg/L	2.5	47.1	27.5	119			
Acenaphthene	37.59	µg/L	5.0	47.0	31	117			
Fluorene	2.960	µg/L	0.80	36.9	17.1	109			
Phenanthrene	1.900	µg/L	0.60	47.3	25.5	112			
Anthracene	2.110	µg/L	0.60	52.5	25.8	119			
Fluoranthene	4.290	µg/L	0.30	53.5	27.2	122			
Pyrene	3.350	µg/L	0.30	41.8	24.1	118			
Benz(a)anthracene	0.4200	µg/L	0.070	52.4	31.1	125			
Chrysene	2.120	µg/L	0.20	52.7	32.8	119			
Benzo(b)fluoranthene	0.6700	µg/L	0.10	66.9	24.4	117			
Benzo(k)fluoranthene	0.2800	µg/L	0.070	56.0	28.4	132			
Benzo(a)pyrene	0.2600	µg/L	0.070	51.8	32.4	119			
Dibenz(a,h)anthracene	0.5500	µg/L	0.070	54.9	33.9	120			
Benzo(g,h,i)perylene	0.5100	µg/L	0.080	51.0	35.2	113			
Indeno(1,2,3-cd)pyrene	1.240	µg/L	0.080	61.9	33.6	115			
Sample ID: LCSD-19407		*LCSD*			Batch ID: **19407**		Analysis Date: 6/29/2009 4:24:33 PM		
Naphthalene	27.75	µg/L	2.0	34.7	20.5	109	1.97	32.1	
1-Methylnaphthalene	30.78	µg/L	2.0	38.4	23.1	116	2.23	32.7	
2-Methylnaphthalene	30.92	µg/L	2.0	38.7	19.5	112	2.22	34	
Acenaphthylene	38.19	µg/L	2.5	47.6	27.5	119	1.00	38.8	
Acenaphthene	37.81	µg/L	5.0	47.3	31	117	0.584	38.6	
Fluorene	3.340	µg/L	0.80	41.6	17.1	109	12.1	29.3	

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2009 2nd QTR NAPIS
Work Order: 0906335

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs									
Sample ID: LCSD-19407		*LCSD*			Batch ID:	**19407**	Analysis Date:	6/29/2009 4:24:33 PM	
Phenanthrene	2.020	µg/L	0.60	50.2	25.5	112	6.12	25	
Anthracene	2.140	µg/L	0.60	53.2	25.8	119	1.41	23.9	
Fluoranthene	4.410	µg/L	0.30	55.0	27.2	122	2.76	15.7	
Pyrene	3.390	µg/L	0.30	42.3	24.1	118	1.19	15.3	
Benz(a)anthracene	0.4100	µg/L	0.070	51.1	31.1	125	2.41	19	
Chrysene	2.010	µg/L	0.20	50.0	32.8	119	5.33	16.6	
Benzo(b)fluoranthene	0.5700	µg/L	0.10	56.9	24.4	117	16.1	21.7	
Benzo(k)fluoranthene	0.2900	µg/L	0.070	58.0	28.4	132	3.51	19.4	
Benzo(a)pyrene	0.2500	µg/L	0.070	49.8	32.4	119	3.92	16.7	
Dibenz(a,h)anthracene	0.5500	µg/L	0.070	54.9	33.9	120	0	17.3	
Benzo(g,h,i)perylene	0.5200	µg/L	0.080	52.0	35.2	113	1.94	18	
Indeno(1,2,3-cd)pyrene	1.260	µg/L	0.080	62.9	33.6	115	1.60	17.7	

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 6/17/2009

Work Order Number 0906335

Received by: ARS

Sample ID labels checked by: TB
Initials

Checklist completed by: [signature] 6/17/09
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 ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	

Number of preserved bottles checked for pH: 3-2

<2 >12 unless noted below.

Container/Temp Blank temperature? **14.2°** *<6° C Acceptable* If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

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

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 2009 2nd QTR NAPIS
Project #: NAPIS-3
Project Manager: G. Rajen
Sampler: C. Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 4.2

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. 0901335	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 ○)
6/15/09	1105	H_2O	NAPIS-3	3-VOA	HCl	/	X															
				3-VOA	HCl	/			X													
				1-500	HNO3	/							X									
				1-L	None	/						X										
				1-500	HNO3	/												X				
				1-500	None	/												X				
				1-125	H_2SO_4	/												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
6/15/09	1058				
Date:	Time:	Relinquished by:	Received by:	6/17/09	10:50

Remarks: Gen Chem: Cations, Anions pH, COND.
8015B - GRO/DRO extended

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.