

Monzeglio, Hope, NMENV

EMNRD

From: Rajen, Gaurav [Gaurav.Rajen@wnr.com]
Sent: Monday, February 02, 2009 8:11 AM
To: Monzeglio, Hope, NMENV
Cc: Riege, Ed; Chavez, Carl J, EMNRD
Subject: Recent sampling results for benzene levels in the influent and effluent to our benzene strippers
Attachments: January 8, 2009.pdf; January 14, 2009.pdf; January 20, 2009.pdf

Dear Hope:

It is a pleasure to send you our recent sampling results for benzene levels in the influent and effluent to our benzene strippers.

With my best regards,

Raj

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

COVER LETTER

Thursday, January 15, 2009

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

RE: BZ Strippers

Order No.: 0901171

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 1/13/2009 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



Hall Environmental Analysis Laboratory, Inc.

Date: 15-Jan-09

CLIENT: Western Refining Southwest, Gallup
Project: BZ Strippers

Lab Order: 0901171

Lab ID: 0901171-01
Client Sample ID: BZ Stripper 1 & 2- IN

Collection Date: 1/8/2009 8:00:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: DAM						
EPA METHOD 8021B: VOLATILES						
Methyl tert-butyl ether (MTBE)	ND	1300		µg/L	500	1/13/2009 9:36:03 PM
Benzene	4200	500		µg/L	500	1/13/2009 9:36:03 PM
Toluene	7500	500		µg/L	500	1/13/2009 9:36:03 PM
Ethylbenzene	530	500		µg/L	500	1/13/2009 9:36:03 PM
Xylenes, Total	3100	1000		µg/L	500	1/13/2009 9:36:03 PM
Surr: 4-Bromofluorobenzene	81.6	65.9-130		%REC	500	1/13/2009 9:36:03 PM

Lab ID: 0901171-02
Client Sample ID: BZ Stripper 1 & 2- OUT

Collection Date: 1/8/2009 8:15:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: DAM						
EPA METHOD 8021B: VOLATILES						
Methyl tert-butyl ether (MTBE)	ND	130		µg/L	50	1/13/2009 10:06:29 PM
Benzene	770	50		µg/L	50	1/13/2009 10:06:29 PM
Toluene	1700	50		µg/L	50	1/13/2009 10:06:29 PM
Ethylbenzene	200	50		µg/L	50	1/13/2009 10:06:29 PM
Xylenes, Total	1300	100		µg/L	50	1/13/2009 10:06:29 PM
Surr: 4-Bromofluorobenzene	86.1	65.9-130		%REC	50	1/13/2009 10:06:29 PM

Lab ID: 0901171-03
Client Sample ID: 3rd BZ Stripper-IN

Collection Date: 1/9/2009 2:20:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: DAM						
EPA METHOD 8021B: VOLATILES						
Methyl tert-butyl ether (MTBE)	ND	2500		µg/L	1000	1/13/2009 10:36:57 PM
Benzene	30000	1000		µg/L	1000	1/13/2009 10:36:57 PM
Toluene	28000	1000		µg/L	1000	1/13/2009 10:36:57 PM
Ethylbenzene	2400	1000		µg/L	1000	1/13/2009 10:36:57 PM
Xylenes, Total	14000	2000		µg/L	1000	1/13/2009 10:36:57 PM
Surr: 4-Bromofluorobenzene	86.1	65.9-130		%REC	1000	1/13/2009 10:36:57 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: 15-Jan-09

CLIENT: Western Refining Southwest, Gallup
Project: BZ Strippers

Lab Order: 0901171

Lab ID: 0901171-04

Collection Date: 1/9/2009 2:00:00 PM

Client Sample ID: 3rd BZ Stripper-OUT

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	200	1/14/2009 8:07:45 PM
Benzene	4800	200		µg/L	200	1/14/2009 8:07:45 PM
Toluene	4900	200		µg/L	200	1/14/2009 8:07:45 PM
Ethylbenzene	570	200		µg/L	200	1/14/2009 8:07:45 PM
Xylenes, Total	3600	400		µg/L	200	1/14/2009 8:07:45 PM
Surr: 4-Bromofluorobenzene	76.8	65.9-130		%REC	200	1/14/2009 8:07:45 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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
 Project: BZ Strippers

Work Order: 0901171

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8021B: Volatiles

Sample ID: 5ML RB *MBLK* Batch ID: R31991 Analysis Date: 1/13/2009 9:16:09 AM

Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						

Sample ID: 5ML RB *MBLK* Batch ID: R32012 Analysis Date: 1/14/2009 9:22:17 AM

Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						

Sample ID: 100NG BTEX LCS *LCS* Batch ID: R31991 Analysis Date: 1/13/2009 7:03:29 PM

Methyl tert-butyl ether (MTBE)	19.20	µg/L	2.5	96.0	51.2	138			
Benzene	22.45	µg/L	1.0	112	85.9	113			
Toluene	20.47	µg/L	1.0	102	86.4	113			
Ethylbenzene	19.84	µg/L	1.0	99.2	83.5	118			
Xylenes, Total	59.71	µg/L	2.0	99.5	83.4	122			

Sample ID: 100NG BTEX LCS *LCS* Batch ID: R32012 Analysis Date: 1/14/2009 11:20:47 PM

Methyl tert-butyl ether (MTBE)	18.67	µg/L	2.5	93.3	51.2	138			
Benzene	21.63	µg/L	1.0	108	85.9	113			
Toluene	20.38	µg/L	1.0	102	86.4	113			
Ethylbenzene	19.47	µg/L	1.0	97.3	83.5	118			
Xylenes, Total	60.44	µg/L	2.0	101	83.4	122			

Sample ID: 100NG BTEX LCSD *LCSD* Batch ID: R32012 Analysis Date: 1/14/2009 11:51:23 PM

Methyl tert-butyl ether (MTBE)	18.23	µg/L	2.5	91.1	51.2	138	2.39	28	
Benzene	21.37	µg/L	1.0	107	85.9	113	1.19	27	
Toluene	19.72	µg/L	1.0	98.6	86.4	113	3.30	19	
Ethylbenzene	18.90	µg/L	1.0	94.5	83.5	118	2.94	10	
Xylenes, Total	57.55	µg/L	2.0	95.9	83.4	122	4.89	13	

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received:

1/13/2009

Work Order Number 0901171

Received by: ARS

Checklist completed by:

Signature

[Handwritten Signature]

1/13/09

Date

Sample ID labels checked by:

Initials

[Handwritten Initials]

Matrix:

Carrier name FedEx

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

Container/Temp Blank temperature?

5°

<6° C Acceptable

If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

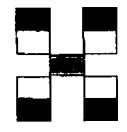
Corrective Action _____

Chain-of-Custody Record

Client: WESTERN - Refining
Gallup Refinery
 Mailing Address: RT 3 Box 9
Gallup NM 87301
 Phone #: 505 722 3227
 email or Fax#: 505 722 3833
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush
 Project Name:
BZ STRIPPERS
 Project #:

Project Manager:
GIORAU RAJEN
 Sampler: ALVIN DORSEY
 On Ice: Yes No
 Sample Temperature: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + THES (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
01-08-09	8:00	Ag	Bz Stripper 1st IN	3-40 mL	HCl	1	X											
01-08-09	8:15		Bz Stripper 1st OUT	3-40 mL	HCl	2	X											
01-09-09	2:20		3rd Bz Stripper-IN	3-40 mL	HCl	3	X											
01-09-09	2:00		3rd Bz Stripper-OUT	3-40 mL	HCl	4	X											

Date: 1-12-09 Time: 10:00 Relinquished by: [Signature]
 Received by: [Signature] Date: 9:00 Time: 1/13/09
 Date: _____ Time: _____ Relinquished by: _____
 Received by: _____ Date: _____ Time: _____

Remarks:
BZ PUMPS RUNNING
1-2/3rd

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.



COVER LETTER

Thursday, January 22, 2009

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

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

RE: BZ Strippers

Order No.: 0901232

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 1/16/2009 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,

A handwritten signature in black ink, appearing to read 'Andy Freeman', is written over a horizontal line.

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

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



Hall Environmental Analysis Laboratory, Inc.

Date: 22-Jan-09

CLIENT: Western Refining Southwest, Gallup
Project: BZ Strippers
Lab Order: 0901232

CASE NARRATIVE

Analytical Comments for METHOD 8021BTEX_W, SAMPLE 0901232-03A: ph 3.0

Hall Environmental Analysis Laboratory, Inc.

Date: 22-Jan-09

CLIENT: Western Refining Southwest, Gallup
Project: BZ Strippers

Lab Order: 0901232

Lab ID: 0901232-01

Collection Date: 1/14/2009 11:40:00 AM

Client Sample ID: 3RD BZ Stripper-IN

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	2500		µg/L	1000	1/20/2009 5:31:29 PM
Benzene	40000	1000		µg/L	1000	1/20/2009 5:31:29 PM
Toluene	35000	1000		µg/L	1000	1/20/2009 5:31:29 PM
Ethylbenzene	1700	1000		µg/L	1000	1/20/2009 5:31:29 PM
Xylenes, Total	9200	2000		µg/L	1000	1/20/2009 5:31:29 PM
Surr: 4-Bromofluorobenzene	85.9	65.9-130		%REC	1000	1/20/2009 5:31:29 PM

Lab ID: 0901232-02

Collection Date: 1/14/2009 12:10:00 PM

Client Sample ID: 3RD BZ Stripper-OUT

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	250		µg/L	100	1/21/2009 11:44:59 AM
Benzene	5300	100		µg/L	100	1/21/2009 11:44:59 AM
Toluene	3400	100		µg/L	100	1/21/2009 11:44:59 AM
Ethylbenzene	160	100		µg/L	100	1/21/2009 11:44:59 AM
Xylenes, Total	1100	200		µg/L	100	1/21/2009 11:44:59 AM
Surr: 4-Bromofluorobenzene	87.1	65.9-130		%REC	100	1/21/2009 11:44:59 AM

Lab ID: 0901232-03

Collection Date: 1/14/2009 10:30:00 AM

Client Sample ID: BZ Stripper 1&2 IN

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	1300		µg/L	500	1/20/2009 10:06:04 PM
Benzene	9200	500		µg/L	500	1/20/2009 10:06:04 PM
Toluene	28000	500		µg/L	500	1/20/2009 10:06:04 PM
Ethylbenzene	3100	500		µg/L	500	1/20/2009 10:06:04 PM
Xylenes, Total	19000	1000		µg/L	500	1/20/2009 10:06:04 PM
Surr: 4-Bromofluorobenzene	87.4	65.9-130		%REC	500	1/20/2009 10:06:04 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: 22-Jan-09

CLIENT: Western Refining Southwest, Gallup
 Project: BZ Strippers

Lab Order: 0901232

Lab ID: 0901232-04
 Client Sample ID: BZ Stripper 1&2 OUT

Collection Date: 1/14/2009 10:45:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: DAM						
EPA METHOD 8021B: VOLATILES						
Methyl tert-butyl ether (MTBE)	ND	130		µg/L	50	1/20/2009 10:36:18 PM
Benzene	630	50		µg/L	50	1/20/2009 10:36:18 PM
Toluene	1200	50		µg/L	50	1/20/2009 10:36:18 PM
Ethylbenzene	110	50		µg/L	50	1/20/2009 10:36:18 PM
Xylenes, Total	730	100		µg/L	50	1/20/2009 10:36:18 PM
Surr: 4-Bromofluorobenzene	88.7	65.9-130		%REC	50	1/20/2009 10:36:18 PM

Lab ID: 0901232-05
 Client Sample ID: BZ Stripper 1&2 IN

Collection Date: 1/15/2009 7:45:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: DAM						
EPA METHOD 8021B: VOLATILES						
Methyl tert-butyl ether (MTBE)	ND	1300		µg/L	500	1/21/2009 12:15:34 PM
Benzene	4700	500		µg/L	500	1/21/2009 12:15:34 PM
Toluene	7100	500		µg/L	500	1/21/2009 12:15:34 PM
Ethylbenzene	640	500		µg/L	500	1/21/2009 12:15:34 PM
Xylenes, Total	4200	1000		µg/L	500	1/21/2009 12:15:34 PM
Surr: 4-Bromofluorobenzene	73.9	65.9-130		%REC	500	1/21/2009 12:15:34 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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
 Project: BZ Strippers

Work Order: 0901232

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		<i>MBLK</i>			Batch ID: R32090		Analysis Date: 1/20/2009 9:20:43 AM		
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
Sample ID: 100NG BTEX LCS		<i>LCS</i>			Batch ID: R32090		Analysis Date: 1/20/2009 7:03:14 PM		
Methyl tert-butyl ether (MTBE)	20.41	µg/L	2.5	102	51.2	138			
Benzene	20.17	µg/L	1.0	101	85.9	113			
Toluene	20.44	µg/L	1.0	102	86.4	113			
Ethylbenzene	20.59	µg/L	1.0	103	83.5	118			
Xylenes, Total	61.88	µg/L	2.0	103	83.4	122			
Sample ID: 100NG BTEX LCSD		<i>LCSD</i>			Batch ID: R32090		Analysis Date: 1/20/2009 7:33:50 PM		
Methyl tert-butyl ether (MTBE)	21.09	µg/L	2.5	105	51.2	138	3.29	28	
Benzene	20.51	µg/L	1.0	103	85.9	113	1.70	27	
Toluene	20.31	µg/L	1.0	102	86.4	113	0.677	19	
Ethylbenzene	20.38	µg/L	1.0	102	83.5	118	1.02	10	
Xylenes, Total	60.50	µg/L	2.0	101	83.4	122	2.27	13	

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 1/16/2009

Work Order Number 0901232

Received by: ARS

Checklist completed by:

Signature

[Handwritten Signature]

Date

1/16/09

Sample ID labels checked by:

Initials

[Handwritten Initials]

Matrix:

Carrier name FedEx

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present Not Shipped
- Custody seals intact on sample bottles? Yes No N/A *1/16*
- 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? Yes No VOA vials submitted Yes No
- Water - Preservation labels on bottle and cap match? Yes No N/A
- Water - pH acceptable upon receipt? Yes No N/A
- Container/Temp Blank temperature? *6°* <6° C Acceptable
If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

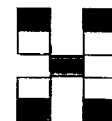
Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN-REFINING
Gallup Refinery
 Mailing Address: RT 3 Box 9
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:
BZ STRIPPERS
 Project #:



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Project Manager:
GIAURAU RAJEN
 Sampler: ALVIN DOTSEY
 On Ice: Yes No
 Sample Temperature: 6

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO ₃ , NO ₂ , PO ₄ , SO ₄)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	8021 B BTEX MTBE	Air Bubbles (Y or N)	
01/14/09	11:40	A1	3 rd Bz Stripper-IN	3x 40ml	HCL	0901232													X	
01/14/09	12:10		3 rd Bz Stripper-OUT		HCL														X	
01/14/09	10:30		Bz Stripper 1 & 2 IN		HCL														X	
01/14/09	10:45		Bz Stripper 1 & 2 OUT		HCL														X	
01/15/09	7:45		Bz Stripper 1 & 2 IN		HCL														X	

Date: 01/15/09 Time: 12:00 Relinquished by: Alvin Dotsey
 Date: _____ Time: _____ Relinquished by: _____
 Received by: [Signature] 9:00 1/16/09
 Date: _____ Time: _____ Received by: _____

Remarks:
BZ Stripper 1 & 2 IN sample 01/14/09
Taken after PSC pumped out
API East & West Bay.
200 g/l sample taken 1-15-09 BZ 1 & 2 IN

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.



COVER LETTER

Tuesday, January 27, 2009

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

TEL: (505) 722-3833

FAX (505) 722-0210

RE: BZ Strippers

Dear Gaurav Rajen:

Order No.: 0901298

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 1/22/2009 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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425

AZ license # AZ0682

ORELAP Lab # NM100001

Texas Lab# T104704424-08-TX



Hall Environmental Analysis Laboratory, Inc.

Date: 27-Jan-09

CLIENT: Western Refining Southwest, Gallup
Project: BZ Strippers

Lab Order: 0901298

Lab ID: 0901298-01
Client Sample ID: 3RD BZ Stripper-IN

Collection Date: 1/20/2009 11:40:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: DAM						
EPA METHOD 8021B: VOLATILES						
Methyl tert-butyl ether (MTBE)	ND	2500		µg/L	1000	1/23/2009 11:54:26 PM
Benzene	49000	1000		µg/L	1000	1/23/2009 11:54:26 PM
Toluene	22000	1000		µg/L	1000	1/23/2009 11:54:26 PM
Ethylbenzene	ND	1000		µg/L	1000	1/23/2009 11:54:26 PM
Xylenes, Total	2300	2000		µg/L	1000	1/23/2009 11:54:26 PM
Surr: 4-Bromofluorobenzene	82.7	65.9-130		%REC	1000	1/23/2009 11:54:26 PM

Lab ID: 0901298-02
Client Sample ID: 3RD BZ Stripper-OUT

Collection Date: 1/20/2009 12:00:00 PM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: DAM						
EPA METHOD 8021B: VOLATILES						
Methyl tert-butyl ether (MTBE)	ND	250		µg/L	100	1/24/2009 12:24:45 AM
Benzene	7200	100		µg/L	100	1/24/2009 12:24:45 AM
Toluene	4100	100		µg/L	100	1/24/2009 12:24:45 AM
Ethylbenzene	180	100		µg/L	100	1/24/2009 12:24:45 AM
Xylenes, Total	1300	200		µg/L	100	1/24/2009 12:24:45 AM
Surr: 4-Bromofluorobenzene	89.8	65.9-130		%REC	100	1/24/2009 12:24:45 AM

Lab ID: 0901298-03
Client Sample ID: BZ Stripper 1&2 IN

Collection Date: 1/20/2009 8:30:00 AM
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
Analyst: DAM						
EPA METHOD 8021B: VOLATILES						
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	200	1/24/2009 12:55:14 AM
Benzene	4800	200		µg/L	200	1/24/2009 12:55:14 AM
Toluene	6000	200		µg/L	200	1/24/2009 12:55:14 AM
Ethylbenzene	460	200		µg/L	200	1/24/2009 12:55:14 AM
Xylenes, Total	3000	400		µg/L	200	1/24/2009 12:55:14 AM
Surr: 4-Bromofluorobenzene	78.8	65.9-130		%REC	200	1/24/2009 12:55:14 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: 27-Jan-09

CLIENT: Western Refining Southwest, Gallup
Project: BZ Strippers

Lab Order: 0901298

Lab ID: 0901298-04

Collection Date: 1/20/2009 8:15:00 AM

Client Sample ID: BZ Stripper 1&2 OUT

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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EPA METHOD 8021B: VOLATILES

Analyst: DAM

Methyl tert-butyl ether (MTBE)	ND	130		µg/L	50	1/24/2009 1:25:32 AM
Benzene	370	50		µg/L	50	1/24/2009 1:25:32 AM
Toluene	590	50		µg/L	50	1/24/2009 1:25:32 AM
Ethylbenzene	59	50		µg/L	50	1/24/2009 1:25:32 AM
Xylenes, Total	420	100		µg/L	50	1/24/2009 1:25:32 AM
Surr: 4-Bromofluorobenzene	81.8	65.9-130		%REC	50	1/24/2009 1:25:32 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
 Project: BZ Strippers

Work Order: 0901298

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8021B: Volatiles

Sample ID: 5ML RB

MBLK

Batch ID: R32139 Analysis Date: 1/23/2009 9:48:37 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				

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received:

1/22/2009

Work Order Number 0901298

Received by: ARS

Checklist completed by:

Signature [Handwritten Signature]

Date 1/22/09

Sample ID labels checked by:

Initials AS

Matrix:

Carrier name UPS

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

Container/Temp Blank temperature? 4° <6° C Acceptable
If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

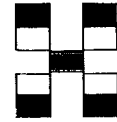
Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN-REFINING
Gallup Refinery
 Mailing Address: RT 3 Box 9
Gallup NM 87301
 Phone #:
 email or Fax#:
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush _____
 Project Name:
Bz STRIPPERS
 Project #:
 Project Manager:
GAURAV RAJEN
 Sampler: ALVIN DORSEY
 On Ice: Yes No
 Sample Temperature: _____



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	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)	8021 B BTEX - MTBE	Air Bubbles (Y or N)	
01-20-09	11:40	AA	3 rd Bz Stripper-IN		HCL	1													X	
01-20-09	12:00		3 rd Bz Stripper-OUT		HCL	2													X	
01-20-09	8:30		Bz Stripper #2 IN		HCL	3													X	
01-20-09	8:15		Bz Stripper #2 OUT		HCL	4													X	

Date: 01-21-09 Time: 12:00 Relinquished by: Alvin Dorsey
 Received by: [Signature] Date: 1/22/09 Time: 10:00
 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.