



Van Horn, Kristen, NMENV

From: Monzeglio, Hope, NMENV
Sent: Tuesday, February 16, 2010 8:27 AM
To: Van Horn, Kristen, NMENV
Cc: Cobrain, Dave, NMENV
Subject: FW: Latest benzene analytical data for February 2010
Attachments: February 8 -2010.pdf; February 5-2010.pdf

Kristen

Here is the latest data. We are going to start getting in data more regularly as they have to come into compliance soon.

Thanks
Hope

From: Rajen, Gaurav [mailto:Gaurav.Rajen@wnr.com]
Sent: Tuesday, February 16, 2010 8:18 AM
To: Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD
Cc: Turri, Mark; Riege, Ed; Allen, Ann; Cobrain, Dave, NMENV
Subject: Latest benzene analytical data for February 2010

Dear Hope:

It is a pleasure to send to you our latest set of analytical data for the first two weeks of February, 2010. Both results are less than 0.5 ppm for the output of our strippers at the lagoons. We received these sets simultaneously on Thursday, February 11, 2010.

Best regards,

Raj

This inbound email has been scanned for malicious software and transmitted safely to you using Webroot Email Security.



COVER LETTER

Thursday, February 11, 2010

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.: 1002162

Dear Gaurav Rajen:

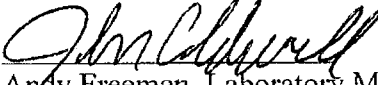
Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 2/10/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

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

Sincerely,

For 
Andy Freeman, Laboratory Manager

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



Hall Environmental Analysis Laboratory, Inc.

Date: *11-Feb-10*

CLIENT: Western Refining Southwest, Gallup
Project: BZ Strippers
Lab Order: 1002162

CASE NARRATIVE

METHOD 8260, SAMPLE 1002162-01: pH=7.0, SAMPLE 1002162-02: pH=7.0.

Hall Environmental Analysis Laboratory, Inc.

Date: 11-Feb-10

CLIENT: Western Refining Southwest, Gallup
 Project: BZ Strippers

Lab Order: 1002162

Lab ID: 1002162-01

Collection Date: 2/8/2010 8:15:00 AM

Client Sample ID: 3 BZ IN

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: HL
Benzene	22000	500		µg/L	500	2/11/2010 3:03:11 AM
Toluene	21000	500		µg/L	500	2/11/2010 3:03:11 AM
Ethylbenzene	1600	500		µg/L	500	2/11/2010 3:03:11 AM
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	500	2/11/2010 3:03:11 AM
Xylenes, Total	10000	1000		µg/L	500	2/11/2010 3:03:11 AM
Surr: 1,2-Dichloroethane-d4	114	54.6-141		%REC	500	2/11/2010 3:03:11 AM
Surr: 4-Bromofluorobenzene	129	60.1-133		%REC	500	2/11/2010 3:03:11 AM
Surr: Dibromofluoromethane	118	78.5-130		%REC	500	2/11/2010 3:03:11 AM
Surr: Toluene-d8	115	79.5-126		%REC	500	2/11/2010 3:03:11 AM

Lab ID: 1002162-02

Collection Date: 2/8/2010 8:30:00 AM

Client Sample ID: 3 BZ OUT

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: HL
Benzene	2500	50		µg/L	50	2/11/2010 3:58:19 AM
Toluene	3300	50		µg/L	50	2/11/2010 3:58:19 AM
Ethylbenzene	390	50		µg/L	50	2/11/2010 3:58:19 AM
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	2/11/2010 3:58:19 AM
Xylenes, Total	2500	100		µg/L	50	2/11/2010 3:58:19 AM
Surr: 1,2-Dichloroethane-d4	99.0	54.6-141		%REC	50	2/11/2010 3:58:19 AM
Surr: 4-Bromofluorobenzene	118	60.1-133		%REC	50	2/11/2010 3:58:19 AM
Surr: Dibromofluoromethane	108	78.5-130		%REC	50	2/11/2010 3:58:19 AM
Surr: Toluene-d8	102	79.5-126		%REC	50	2/11/2010 3:58:19 AM

Lab ID: 1002162-03

Collection Date: 2/8/2010 9:00:00 AM

Client Sample ID: BZ 1-2 IN

Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: HL
Benzene	5900	250		µg/L	250	2/11/2010 4:53:34 AM
Toluene	15000	250		µg/L	250	2/11/2010 4:53:34 AM
Ethylbenzene	1700	250		µg/L	250	2/11/2010 4:53:34 AM
Methyl tert-butyl ether (MTBE)	ND	250		µg/L	250	2/11/2010 4:53:34 AM
Xylenes, Total	9900	500		µg/L	250	2/11/2010 4:53:34 AM
Surr: 1,2-Dichloroethane-d4	106	54.6-141		%REC	250	2/11/2010 4:53:34 AM
Surr: 4-Bromofluorobenzene	122	60.1-133		%REC	250	2/11/2010 4:53:34 AM
Surr: Dibromofluoromethane	111	78.5-130		%REC	250	2/11/2010 4:53:34 AM
Surr: Toluene-d8	108	79.5-126		%REC	250	2/11/2010 4:53:34 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: 11-Feb-10

CLIENT: Western Refining Southwest, Galiup
 Project: BZ Strippers

Lab Order: 1002162

Lab ID: 1002162-04
 Client Sample ID: BZ 1-2 OUT

Collection Date: 2/8/2010 9:15:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: HL
Benzene	71	10		µg/L	10	2/11/2010 9:57:26 AM
Toluene	380	10		µg/L	10	2/11/2010 9:57:26 AM
Ethylbenzene	130	10		µg/L	10	2/11/2010 9:57:26 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	2/11/2010 9:57:26 AM
Xylenes, Total	930	20		µg/L	10	2/11/2010 9:57:26 AM
Surr: 1,2-Dichloroethane-d4	100	54.6-141		%REC	10	2/11/2010 9:57:26 AM
Surr: 4-Bromofluorobenzene	116	60.1-133		%REC	50	2/11/2010 5:21:15 AM
Surr: Dibromofluoromethane	115	78.5-130		%REC	10	2/11/2010 9:57:26 AM
Surr: Toluene-d8	97.5	79.5-126		%REC	10	2/11/2010 9:57:26 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: 1002162

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260: Volatiles Short List

Sample ID: b6 *MBLK*

Batch ID: R37333 **Analysis Date:** 2/11/2010 1:12:52 AM

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

Sample ID: 100ng lcs_b *LCS*

Batch ID: R37333 **Analysis Date:** 2/11/2010 2:08:03 AM

Benzene	20.56	µg/L	1.0	20	0	103	86.8	120			
Toluene	20.55	µg/L	1.0	20	0	103	64.1	127			

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:

2/10/2010

Work Order Number **1002162**

Received by: **TLS**

Checklist completed by:

Signature

Date

Sample ID labels checked by:

Initials

Matrix:

Carrier name: **FedEx**

- | | | | | |
|---|---|---|---|--|
| Shipping container/cooler in good condition? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | |
| Custody seals intact on shipping container/cooler? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Not Present <input type="checkbox"/> | Not Shipped <input type="checkbox"/> |
| Custody seals intact on sample bottles? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | N/A <input type="checkbox"/> | |
| Chain of custody present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody signed when relinquished and received? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Chain of custody agrees with sample labels? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Samples in proper container/bottle? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sample containers intact? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Sufficient sample volume for indicated test? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| All samples received within holding time? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | | |
| Water - VOA vials have zero headspace? | No VOA vials submitted <input type="checkbox"/> | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> | Number of preserved bottles checked for pH:

_____ |
| Water - Preservation labels on bottle and cap match? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Water - pH acceptable upon receipt? | Yes <input type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" type="checkbox"/> | |
| Container/Temp Blank temperature? | 4.3° | <i><6° C Acceptable</i>
If given sufficient time to cool. | | <i><2 >12 unless noted below.</i> |

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____



COVER LETTER

Thursday, February 11, 2010

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.: 1002163

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 2/10/2010 for the analyses presented in the following report.

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

Reporting limits are determined by EPA methodology.

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

Sincerely,

Andy Freeman
For Andy Freeman, Laboratory Manager

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



Hall Environmental Analysis Laboratory, Inc.

Date: 11-Feb-10

CLIENT: Western Refining Southwest, Gallup
 Project: BZ Strippers

Lab Order: 1002163

Lab ID: 1002163-01
 Client Sample ID: 3 BZ IN

Collection Date: 2/5/2010 7:30:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						
Benzene	27000	500		µg/L	500	2/11/2010 5:49:00 AM
Toluene	22000	500		µg/L	500	2/11/2010 5:49:00 AM
Ethylbenzene	1200	500		µg/L	500	2/11/2010 5:49:00 AM
Methyl tert-butyl ether (MTBE)	ND	500		µg/L	500	2/11/2010 5:49:00 AM
Xylenes, Total	7600	1000		µg/L	500	2/11/2010 5:49:00 AM
Surr: 1,2-Dichloroethane-d4	104	54.6-141		%REC	500	2/11/2010 5:49:00 AM
Surr: 4-Bromofluorobenzene	111	60.1-133		%REC	500	2/11/2010 5:49:00 AM
Surr: Dibromofluoromethane	103	78.5-130		%REC	500	2/11/2010 5:49:00 AM
Surr: Toluene-d8	102	79.5-126		%REC	500	2/11/2010 5:49:00 AM

Lab ID: 1002163-02
 Client Sample ID: 3 BZ OUT

Collection Date: 2/5/2010 7:50:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						
Benzene	2600	50		µg/L	50	2/11/2010 6:44:23 AM
Toluene	2300	50		µg/L	50	2/11/2010 6:44:23 AM
Ethylbenzene	120	50		µg/L	50	2/11/2010 6:44:23 AM
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	2/11/2010 6:44:23 AM
Xylenes, Total	810	100		µg/L	50	2/11/2010 6:44:23 AM
Surr: 1,2-Dichloroethane-d4	104	54.6-141		%REC	50	2/11/2010 6:44:23 AM
Surr: 4-Bromofluorobenzene	113	60.1-133		%REC	50	2/11/2010 6:44:23 AM
Surr: Dibromofluoromethane	105	78.5-130		%REC	50	2/11/2010 6:44:23 AM
Surr: Toluene-d8	102	79.5-126		%REC	50	2/11/2010 6:44:23 AM

Lab ID: 1002163-03
 Client Sample ID: BZ 1-2 IN

Collection Date: 2/5/2010 8:45:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						
Benzene	8500	250		µg/L	250	2/11/2010 7:39:40 AM
Toluene	17000	250		µg/L	250	2/11/2010 7:39:40 AM
Ethylbenzene	1300	250		µg/L	250	2/11/2010 7:39:40 AM
Methyl tert-butyl ether (MTBE)	ND	250		µg/L	250	2/11/2010 7:39:40 AM
Xylenes, Total	7300	500		µg/L	250	2/11/2010 7:39:40 AM
Surr: 1,2-Dichloroethane-d4	110	54.6-141		%REC	250	2/11/2010 7:39:40 AM
Surr: 4-Bromofluorobenzene	121	60.1-133		%REC	250	2/11/2010 7:39:40 AM
Surr: Dibromofluoromethane	114	78.5-130		%REC	250	2/11/2010 7:39:40 AM
Surr: Toluene-d8	108	79.5-126		%REC	250	2/11/2010 7:39:40 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: 11-Feb-10

CLIENT: Western Refining Southwest, Gallup
 Project: BZ Strippers

Lab Order: 1002163

Lab ID: 1002163-04
 Client Sample ID: BZ 1-2 OUT

Collection Date: 2/5/2010 9:00:00 AM
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
						Analyst: HL
EPA METHOD 8260: VOLATILES SHORT LIST						
Benzene	100	10		µg/L	10	2/11/2010 10:25:12 AM
Toluene	390	10		µg/L	10	2/11/2010 10:25:12 AM
Ethylbenzene	76	10		µg/L	10	2/11/2010 10:25:12 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	2/11/2010 10:25:12 AM
Xylenes, Total	510	20		µg/L	10	2/11/2010 10:25:12 AM
Surr: 1,2-Dichloroethane-d4	97.6	54.6-141		%REC	10	2/11/2010 10:25:12 AM
Surr: 4-Bromofluorobenzene	122	60.1-133		%REC	10	2/11/2010 10:25:12 AM
Surr: Dibromofluoromethane	101	78.5-130		%REC	10	2/11/2010 10:25:12 AM
Surr: Toluene-d8	103	79.5-126		%REC	10	2/11/2010 10:25:12 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: 1002163

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260: Volatiles Short List

Sample ID: b6 **MBLK**

Batch ID: R37333 **Analysis Date:** 2/11/2010 1:12:52 AM

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

Sample ID: 100ng lcs_b **LCS**

Batch ID: R37333 **Analysis Date:** 2/11/2010 2:08:03 AM

Benzene	20.56	µg/L	1.0	20	0	103	86.8	120			
Toluene	20.55	µg/L	1.0	20	0	103	64.1	127			

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: **2/10/2010**

Work Order Number **1002163**

Received by: **TLS**

Checklist completed by: _____

Signature

[Handwritten Signature]

Date

2/10/10

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? **4.3°** <6° C Acceptable
If given sufficient time to cool.

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS: _____

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____


Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN-REFINING
Gallup Refinery
 Mailing Address: RT 3 Box 9
Gallup NM 87301
 Phone #: 505 722 3833
 email or Fax#: 505 722 0210
 QA/QC Package:
 Standard Level 4 (Full Validation)
 Accreditation
 NELAP Other _____
 EDD (Type) _____

Turn-Around Time:
 Standard Rush _____
 Project Name:
BZ STRIPPERS
 Project #:
WEEKLY
 Project Manager:
GAUTAU, RAJEN
 Sampler: ALVIN DORSEY
 On Ice: Yes No
 Sample Temperature: 43



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 BTEX-MTBG	Air Bubbles (Y or N)	
02-05-10	0730	A93	BZ IN	40ML-3	HCL	1													X	
02-05-10	0750	1	3-BZ OUT	40ML-3	HCL	2													X	
02-05-10	0845	1	BZ 1-2 IN	40ML-3	HCL	3													X	
02-05-10	0900	1	BZ 1-2 OUT	40ML-3	HCL	4													X	

Date: 02-09-10 Time: 12:00 Relinquished by: [Signature]
 Received by: [Signature] Date: 2/10/10 Time: 9:30
 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.