

Monzeglio, Hope, NMENV

ENTERED

GRCC

From: Rajen, Gaurav [Gaurav.Rajen@wnr.com]
Sent: Monday, December 29, 2008 9:25 AM
To: Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD
Cc: Cobrain, Dave, NMENV; Riege, Ed
Subject: MTBE quarterly sampling 4th qtr 2008 - results attached
Attachments: 0811196-4th qtr MTBE.pdf; 0811259-4th qtr OW MTBE.pdf

Dear Hope and Carl:

It is a pleasure to send on to you the 4th quarter sampling results for MTBE and other chemicals in wells OW-13, 14, 29 and 30.

In the interests of expediency, I am sending the data reports to you. In the next few days, I hope to compare the results in a tabular format with previous data sets and will also send you such tables as they get completed.

With my best regards,

Raj

From: Monzeglio, Hope, NMENV [mailto:hope.monzeglio@state.nm.us]
Sent: Monday, December 29, 2008 8:48 AM
To: Rajen, Gaurav
Cc: Cobrain, Dave, NMENV; Riege, Ed
Subject: RE: MTBE quarterly sampling

Raj

Please provide me with a date that I will receive the quarterly MTBE results? The September 25, 2008 letter states that the analytical results must be submitted to NMED and the Oil Conservation Division no later than 15 days after receipt of the final laboratory reports.

Thanks
 Hope

From: Rajen, Gaurav [mailto:Gaurav.Rajen@wnr.com]
Sent: Monday, December 08, 2008 9:17 AM
To: Monzeglio, Hope, NMENV; Riege, Ed
Cc: Cobrain, Dave, NMENV
Subject: RE: MTBE quarterly sampling

Dear Hope:

Your message came at an opportune time. We just recently received our lab results and I was planning on sending you results shortly. We did sample in November as you had specified.

With my best regards,

Raj

12/29/2008



COVER LETTER

Tuesday, November 25, 2008

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

RE: 2008 4th QTR OCD Samples

Order No.: 0811196

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/14/2008 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".

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: 26-Nov-08

CLIENT:	Western Refining Southwest, Gallup	Client Sample ID:	OW-30
Lab Order:	0811196	Collection Date:	11/12/2008 2:30:00 PM
Project:	2008 4th QTR OCD Samples	Date Received:	11/14/2008
Lab ID:	0811196-01	Matrix:	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	880	50		µg/L	20	11/20/2008 1:25:27 PM
Benzene	ND	1.0		µg/L	1	11/15/2008 9:41:53 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 9:41:53 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 9:41:53 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 9:41:53 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 9:41:53 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 9:41:53 AM
Surr: 4-Bromofluorobenzene	95.5	65.9-130		%REC	1	11/15/2008 9:41:53 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: 26-Nov-08

CLIENT: Western Refining Southwest, Gallup
 Lab Order: 0811196
 Project: 2008 4th QTR OCD Samples
 Lab ID: 0811196-02

Client Sample ID: OW-14
 Collection Date: 11/12/2008 4:05:00 PM
 Date Received: 11/14/2008
 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	910	50		µg/L	20	11/20/2008 1:58:19 PM
Benzene	8.2	1.0		µg/L	1	11/15/2008 10:12:08 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 10:12:08 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 10:12:08 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 10:12:08 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 10:12:08 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 10:12:08 AM
Surr: 4-Bromofluorobenzene	124	65.9-130		%REC	1	11/15/2008 10:12:08 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: 2008 4th QTR OCD Samples

Work Order: 0811196

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: R31251 Analysis Date: 11/14/2008 9:10:56 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: 5ML RB

MBLK

Batch ID: R31251 Analysis Date: 11/14/2008 9:10:56 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: R31251 Analysis Date: 11/14/2008 6:28:37 PM

Methyl tert-butyl ether (MTBE)	24.90	µg/L	2.5	125	51.2	138			
Benzene	22.03	µg/L	1.0	110	85.9	113			
Toluene	22.64	µg/L	1.0	113	86.4	113			S
Ethylbenzene	22.93	µg/L	1.0	115	83.5	118			
Xylenes, Total	68.94	µg/L	2.0	115	83.4	122			
1,2,4-Trimethylbenzene	23.83	µg/L	1.0	119	83.5	115			S
1,3,5-Trimethylbenzene	22.43	µg/L	1.0	112	85.2	113			

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:

11/14/2008

Work Order Number 0811196

Received by: TLS

Checklist completed by:

[Signature]
Signature

11/14/08
Date

Sample ID labels checked by:

[Initials]
Initials

Matrix:

Carrier name UPS

- | | | | |
|---|---|---|---|
| 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 type="checkbox"/> | No <input type="checkbox"/> | N/A <input checked="" 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"/> |
| 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?

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 7
 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: 2008 3rd QTR OGD Samples
 Project #:
 Project Manager: G. Rajen
 Sampler: G. Johnson
 Optics: 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)	Air Bubbles (Y or N)
11/12/08	1430	H ₂ O	OW-30			0371594	X									X		
11/12/08	1605	H ₂ O	OW-14				X									X		
			TRIP BLANK															

Date: <u>11/13/08</u>	Time: <u>1015</u>	Relinquished by: <u>[Signature]</u>	Received by: <u>[Signature]</u>	Date: <u>11/14/08</u>	Time: <u>945</u>	Remarks:
Date:	Time:	Relinquished by:	Received by:	Date:	Time:	

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



COVER LETTER

Monday, December 01, 2008

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

TEL: (505) 722-3833

FAX (505) 722-0210

RE: 2008 4th QTR OCD Samples

Dear Gaurav Rajen:

Order No.: 0811259

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/18/2008 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: 01-Dec-08

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0811259
Project: 2008 4th QTR OCD Samples
Lab ID: 0811259-01

Client Sample ID: OW-13
Collection Date: 11/13/2008 2:00:00 PM
Date Received: 11/18/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Toluene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Methyl tert-butyl ether (MTBE)	1.6	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 9:18:24 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 9:18:24 AM
Acetone	ND	10		µg/L	1	11/19/2008 9:18:24 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Bromoform	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Bromomethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
2-Butanone	ND	10		µg/L	1	11/19/2008 9:18:24 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2008 9:18:24 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
Chloroform	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Chloromethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
2-Hexanone	ND	10		µg/L	1	11/19/2008 9:18:24 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: 01-Dec-08

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0811259
Project: 2008 4th QTR OCD Samples
Lab ID: 0811259-01

Client Sample ID: OW-13
Collection Date: 11/13/2008 2:00:00 PM
Date Received: 11/18/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2008 9:18:24 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2008 9:18:24 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Styrene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2008 9:18:24 AM
Surr: 1,2-Dichloroethane-d4	107	68.1-123		%REC	1	11/19/2008 9:18:24 AM
Surr: 4-Bromofluorobenzene	103	53.2-145		%REC	1	11/19/2008 9:18:24 AM
Surr: Dibromofluoromethane	120	68.5-119	S	%REC	1	11/19/2008 9:18:24 AM
Surr: Toluene-d8	95.5	64-131		%REC	1	11/19/2008 9:18:24 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: 01-Dec-08

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0811259
Project: 2008 4th QTR OCD Samples
Lab ID: 0811259-02

Client Sample ID: OW-29
Collection Date: 11/14/2008 10:50:00 AM
Date Received: 11/18/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Toluene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Methyl tert-butyl ether (MTBE)	15	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2-Dichloroethane (EDC)	1.0	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 9:47:41 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 9:47:41 AM
Acetone	ND	10		µg/L	1	11/19/2008 9:47:41 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Bromoform	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Bromomethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
2-Butanone	ND	10		µg/L	1	11/19/2008 9:47:41 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2008 9:47:41 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
Chloroform	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Chloromethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
2-Hexanone	ND	10		µg/L	1	11/19/2008 9:47:41 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: 01-Dec-08

CLIENT: Western Refining Southwest, Gallup Client Sample ID: OW-29
 Lab Order: 0811259 Collection Date: 11/14/2008 10:50:00 AM
 Project: 2008 4th QTR OCD Samples Date Received: 11/18/2008
 Lab ID: 0811259-02 Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2008 9:47:41 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2008 9:47:41 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Styrene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2008 9:47:41 AM
Surr: 1,2-Dichloroethane-d4	108	68.1-123		%REC	1	11/19/2008 9:47:41 AM
Surr: 4-Bromofluorobenzene	107	53.2-145		%REC	1	11/19/2008 9:47:41 AM
Surr: Dibromofluoromethane	117	68.5-119		%REC	1	11/19/2008 9:47:41 AM
Surr: Toluene-d8	97.2	64-131		%REC	1	11/19/2008 9:47:41 AM

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

Hall Environmental Analysis Laboratory, Inc.

Date: 01-Dec-08

CLIENT: Western Refining Southwest, Gallup
 Lab Order: 0811259
 Project: 2008 4th QTR OCD Samples
 Lab ID: 0811259-03

Client Sample ID: TRIP BLANK
 Collection Date:
 Date Received: 11/18/2008
 Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Toluene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 10:16:47 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 10:16:47 AM
Acetone	ND	10		µg/L	1	11/19/2008 10:16:47 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Bromoform	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Bromomethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
2-Butanone	ND	10		µg/L	1	11/19/2008 10:16:47 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2008 10:16:47 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
Chloroform	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Chloromethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
2-Hexanone	ND	10		µg/L	1	11/19/2008 10:16:47 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: 01-Dec-08

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0811259
Project: 2008 4th QTR OCD Samples
Lab ID: 0811259-03

Client Sample ID: TRIP BLANK
Collection Date:
Date Received: 11/18/2008
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2008 10:16:47 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2008 10:16:47 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Styrene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2008 10:16:47 AM
Surr: 1,2-Dichloroethane-d4	105	68.1-123		%REC	1	11/19/2008 10:16:47 AM
Surr: 4-Bromofluorobenzene	101	53.2-145		%REC	1	11/19/2008 10:16:47 AM
Surr: Dibromofluoromethane	115	68.5-119		%REC	1	11/19/2008 10:16:47 AM
Surr: Toluene-d8	96.7	64-131		%REC	1	11/19/2008 10:16:47 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: 2008 4th QTR OCD Samples

Work Order: 0811259

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 0811259-01a MSD

MSD

Batch ID: R31254

Analysis Date: 11/19/2008 12:04:38 AM

Benzene	22.28	µg/L	1.0	111	84.9	122	2.74	15
Toluene	18.90	µg/L	1.0	94.5	80.3	114	1.11	15
Chlorobenzene	18.20	µg/L	1.0	91.0	71.9	134	0.110	15
1,1-Dichloroethene	24.07	µg/L	1.0	120	88	144	0.852	17.8
Trichloroethene (TCE)	21.23	µg/L	1.0	106	87.1	114	5.49	19.8

Sample ID: 5ml rb

MBLK

Batch ID: R31254

Analysis Date: 11/18/2008 9:42:17 AM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	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: 2008 4th QTR OCD Samples

Work Order: 0811259

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: 5ml rb

MBLK

Batch ID: R31254 Analysis Date: 11/18/2008 9:42:17 AM

2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						

Sample ID: b5

MBLK

Batch ID: R31254 Analysis Date: 11/18/2008 10:08:46 PM

Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						

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: 2008 4th QTR OCD Samples

Work Order: 0811259

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: b5

MBLK

Batch ID: R31254 Analysis Date: 11/18/2008 10:08:46 PM

2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	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: 2008 4th QTR OCD Samples

Work Order: 0811259

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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Method: EPA Method 8260B: VOLATILES

Sample ID: b5 MBLK Batch ID: R31254 Analysis Date: 11/18/2008 10:08:46 PM

Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						

Sample ID: 100ng lcs_c LCS Batch ID: R31254 Analysis Date: 11/18/2008 12:50:20 PM

Benzene	22.68	µg/L	1.0	113	88	116			
Toluene	20.53	µg/L	1.0	103	82.9	112			
Chlorobenzene	19.07	µg/L	1.0	95.3	71.4	133			
1,1-Dichloroethene	22.36	µg/L	1.0	112	97.9	140			
Trichloroethene (TCE)	20.64	µg/L	1.0	103	90.5	112			

Sample ID: 100ng lcs LCS Batch ID: R31254 Analysis Date: 11/18/2008 11:06:45 PM

Benzene	22.34	µg/L	1.0	112	88	116			
Toluene	18.26	µg/L	1.0	91.3	82.9	112			
Chlorobenzene	17.47	µg/L	1.0	87.3	71.4	133			
1,1-Dichloroethene	23.70	µg/L	1.0	119	97.9	140			
Trichloroethene (TCE)	20.48	µg/L	1.0	102	90.5	112			

Sample ID: 0811259-01a MS MS Batch ID: R31254 Analysis Date: 11/18/2008 11:35:42 PM

Benzene	22.90	µg/L	1.0	115	84.9	122			
Toluene	18.70	µg/L	1.0	93.5	80.3	114			
Chlorobenzene	18.18	µg/L	1.0	90.9	71.9	134			
1,1-Dichloroethene	24.28	µg/L	1.0	121	88	144			
Trichloroethene (TCE)	22.43	µg/L	1.0	112	87.1	114			

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: 11/18/2008

Work Order Number 0811259

Received by: TLS

Checklist completed by:

Signature: [Handwritten Signature]

Date: 11/18/08

Sample ID labels checked by:

Initials: TS

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 7

Turn-Around Time:
 Standard Rush

Project Name:
2008 ~~Q1~~ Qtr OGD Samples

Project #:
OW-13, 29

Project Manager:
G. Rajen

Sampler: C. Johnson

Office: Yes No

Sample Temperature: 5

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

QA/QC Package:
 Standard Level 4 (Full Validation)
 Other _____
 EDD (Type) _____



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	READING	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)	Air Bubbles (Y or N)	
11-13-08	1400	H ₂ O	OW-13			001259	X												
11-14-08	1050	H ₂ O	OW-29				X												
			TRIP-Blank																

Date: 11-17-08 Time: 0830 Relinquished by: [Signature]

Received by: [Signature] Date: 11/10/08 Time: 055

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.