

**From:** [Larsen, Thurman](#)  
**To:** [VanHorn, Kristen, NMENV](#)  
**Subject:** BZ Strippers - 1209C31  
**Date:** Monday, October 01, 2012 9:25:50 PM  
**Attachments:** [Rpt\\_1209C31\\_v1.pdf](#)

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Kristen,

As you probably know we have been doing a turnaround since 9/10/12. During this time, we have had to run considerably through the benzene strippers. The most recent Hall data showed a benzene exceedence of 0.62 ppm on 9/27/12. I am working night and will be working on completion of you monthly report in order to send it to you by the end of the week. I am sorry for the delay.

Regards,

Beck

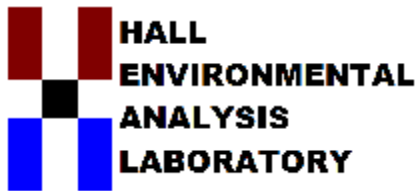
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**From:** Jackie Ball [<mailto:jnb@hallenvironmental.com>]  
**Sent:** Monday, October 01, 2012 12:09 PM  
**To:** Larsen, Thurman; Morgan, Loretta; Riege, Ed; Dorsey, Alvin; Johnson, Cheryl; Tso, Janice; Masilamani, Ravin  
**Subject:** BZ Strippers - 1209C31

Jackie Ball  
Hall Environmental Analysis Laboratory  
505-345-3975  
[jnb@hallenvironmental.com](mailto:jnb@hallenvironmental.com)

We welcome your feedback. Please visit the survey site below to complete a brief survey on your experience with Hall Environmental.

<http://www.surveymonkey.com/s/V6RBHHR>



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

October 01, 2012

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

RE: BZ Strippers

OrderNo.: 1209C31

Dear Thurman B. Larsen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/27/2012 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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 in a cursive style.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1209C31

Date Reported: 10/1/2012

**CLIENT:** Western Refining Southwest, Gallup

**Client Sample ID:** BZ 1-2 OUT

**Project:** BZ Strippers

**Collection Date:** 9/24/2012 8:00:00 AM

**Lab ID:** 1209C31-001

**Matrix:** AQUEOUS

**Received Date:** 9/27/2012 12:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	25		µg/L	10	9/27/2012 11:00:47 PM
Benzene	57	10		µg/L	10	9/27/2012 11:00:47 PM
Toluene	130	10		µg/L	10	9/27/2012 11:00:47 PM
Ethylbenzene	15	10		µg/L	10	9/27/2012 11:00:47 PM
Xylenes, Total	98	20		µg/L	10	9/27/2012 11:00:47 PM
Surr: 4-Bromofluorobenzene	80.5	69.7-152		%REC	10	9/27/2012 11:00:47 PM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- 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.

Analytical Report

Lab Order 1209C31

Date Reported: 10/1/2012

**CLIENT:** Western Refining Southwest, Gallup

**Client Sample ID:** BZ 1-2 OUT

**Project:** BZ Strippers

**Collection Date:** 9/25/2012 8:00:00 AM

**Lab ID:** 1209C31-002

**Matrix:** AQUEOUS

**Received Date:** 9/27/2012 12:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	25		µg/L	10	9/27/2012 11:30:57 PM
Benzene	61	10		µg/L	10	9/27/2012 11:30:57 PM
Toluene	58	10		µg/L	10	9/27/2012 11:30:57 PM
Ethylbenzene	ND	10		µg/L	10	9/27/2012 11:30:57 PM
Xylenes, Total	35	20		µg/L	10	9/27/2012 11:30:57 PM
Surr: 4-Bromofluorobenzene	96.1	69.7-152		%REC	10	9/27/2012 11:30:57 PM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- 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.

Analytical Report

Lab Order 1209C31

Date Reported: 10/1/2012

**CLIENT:** Western Refining Southwest, Gallup

**Client Sample ID:** BZ 1-2 OUT

**Project:** BZ Strippers

**Collection Date:** 9/26/2012 8:00:00 AM

**Lab ID:** 1209C31-003

**Matrix:** AQUEOUS

**Received Date:** 9/27/2012 12:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	25		µg/L	10	9/28/2012 12:01:01 AM
Benzene	240	10		µg/L	10	9/28/2012 12:01:01 AM
Toluene	450	10		µg/L	10	9/28/2012 12:01:01 AM
Ethylbenzene	36	10		µg/L	10	9/28/2012 12:01:01 AM
Xylenes, Total	240	20		µg/L	10	9/28/2012 12:01:01 AM
Surr: 4-Bromofluorobenzene	95.4	69.7-152		%REC	10	9/28/2012 12:01:01 AM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- 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.

Analytical Report

Lab Order 1209C31

Date Reported: 10/1/2012

**CLIENT:** Western Refining Southwest, Gallup

**Client Sample ID:** BZ 1-2 OUT

**Project:** BZ Strippers

**Collection Date:** 9/27/2012 9:20:00 AM

**Lab ID:** 1209C31-004

**Matrix:** AQUEOUS

**Received Date:** 9/27/2012 12:40:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
<b>EPA METHOD 8021B: VOLATILES</b>						Analyst: NSB
Methyl tert-butyl ether (MTBE)	ND	25		µg/L	10	9/28/2012 12:31:15 AM
Benzene	620	10		µg/L	10	9/28/2012 12:31:15 AM
Toluene	1000	50		µg/L	50	9/28/2012 12:27:59 PM
Ethylbenzene	87	10		µg/L	10	9/28/2012 12:31:15 AM
Xylenes, Total	620	20		µg/L	10	9/28/2012 12:31:15 AM
Surr: 4-Bromofluorobenzene	94.6	69.7-152		%REC	10	9/28/2012 12:31:15 AM

**Qualifiers:**

- \* Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1209C31

01-Oct-12

Client: Western Refining Southwest, Gallup

Project: BZ Strippers

Sample ID	1209B82-001ADUP	SampType:	DUP	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	BatchQC	Batch ID:	R5822	RunNo:	5822					
Prep Date:		Analysis Date:	9/27/2012	SeqNo:	167448	Units:	%REC			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	8700		10000		87.4	43.1	185	0	0	

### Qualifiers:

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1209C31

01-Oct-12

**Client:** Western Refining Southwest, Gallup

**Project:** BZ Strippers

Sample ID	<b>5ML RB</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8015B: Gasoline Range</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>R5822</b>	RunNo:	<b>5822</b>					
Prep Date:		Analysis Date:	<b>9/27/2012</b>	SeqNo:	<b>167445</b>	Units:	<b>%REC</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	16		20.00		80.0	69.8	119			

Sample ID	<b>2.5UG GRO LCS</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8015B: Gasoline Range</b>					
Client ID:	<b>LCSW</b>	Batch ID:	<b>R5822</b>	RunNo:	<b>5822</b>					
Prep Date:		Analysis Date:	<b>9/27/2012</b>	SeqNo:	<b>167446</b>	Units:	<b>%REC</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	16		20.00		79.8	69.8	119			

Sample ID	<b>1209A97-001AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8015B: Gasoline Range</b>					
Client ID:	<b>BatchQC</b>	Batch ID:	<b>R5822</b>	RunNo:	<b>5822</b>					
Prep Date:		Analysis Date:	<b>9/27/2012</b>	SeqNo:	<b>167450</b>	Units:	<b>%REC</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	17		20.00		87.3	69.8	119			

Sample ID	<b>1209A97-001AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8015B: Gasoline Range</b>					
Client ID:	<b>BatchQC</b>	Batch ID:	<b>R5822</b>	RunNo:	<b>5822</b>					
Prep Date:		Analysis Date:	<b>9/27/2012</b>	SeqNo:	<b>167451</b>	Units:	<b>%REC</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	18		20.00		90.8	69.8	119	0	0	

**Qualifiers:**

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- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits



# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1209C31

01-Oct-12

**Client:** Western Refining Southwest, Gallup

**Project:** BZ Strippers

Sample ID <b>5ML RB</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBW</b>	Batch ID: <b>R5822</b>		RunNo: <b>5822</b>							
Prep Date:	Analysis Date: <b>9/27/2012</b>		SeqNo: <b>167459</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	ND	2.5								
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	14		20.00		71.7	69.7	152			

Sample ID <b>100NG BTEX LCS</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSW</b>	Batch ID: <b>R5822</b>		RunNo: <b>5822</b>							
Prep Date:	Analysis Date: <b>9/27/2012</b>		SeqNo: <b>167460</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	19	2.5	20.00	0	95.9	66.9	136			
Benzene	20	1.0	20.00	0	98.7	80	120			
Toluene	21	1.0	20.00	0	103	80	120			
Ethylbenzene	21	1.0	20.00	0	105	80	120			
Xylenes, Total	64	2.0	60.00	0	107	80	120			
Surr: 4-Bromofluorobenzene	17		20.00		86.7	69.7	152			

Sample ID <b>1209A97-002AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>R5822</b>		RunNo: <b>5822</b>							
Prep Date:	Analysis Date: <b>9/27/2012</b>		SeqNo: <b>167470</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	19	2.5	20.00	0	95.0	45.1	137			
Benzene	21	1.0	20.00	0	103	74.1	124			
Toluene	21	1.0	20.00	0.3900	105	75.2	124			
Ethylbenzene	22	1.0	20.00	0.2480	108	69	125			
Xylenes, Total	66	2.0	60.00	0.4400	110	73.1	126			
Surr: 4-Bromofluorobenzene	19		20.00		94.1	69.7	152			

Sample ID <b>1209A97-002AMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BatchQC</b>	Batch ID: <b>R5822</b>		RunNo: <b>5822</b>							
Prep Date:	Analysis Date: <b>9/27/2012</b>		SeqNo: <b>167471</b>		Units: <b>µg/L</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	19	2.5	20.00	0	94.4	45.1	137	0.634	13.6	
Benzene	20	1.0	20.00	0	101	74.1	124	2.20	11.2	
Toluene	21	1.0	20.00	0.3900	102	75.2	124	3.42	11.9	
Ethylbenzene	21	1.0	20.00	0.2480	105	69	125	3.01	13.5	
Xylenes, Total	64	2.0	60.00	0.4400	106	73.1	126	3.57	13	
Surr: 4-Bromofluorobenzene	18		20.00		89.6	69.7	152	0	0	

**Qualifiers:**

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- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 1209C31

01-Oct-12

**Client:** Western Refining Southwest, Gallup

**Project:** BZ Strippers

Sample ID	<b>5ML RB</b>	SampType:	<b>MBLK</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>PBW</b>	Batch ID:	<b>R5850</b>	RunNo:	<b>5850</b>					
Prep Date:		Analysis Date:	<b>9/28/2012</b>	SeqNo:	<b>168174</b>	Units:	<b>µg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	ND	1.0								
Surr: 4-Bromofluorobenzene	15		20.00		75.9	69.7	152			

Sample ID	<b>100NG BTEX LCS</b>	SampType:	<b>LCS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>LCSW</b>	Batch ID:	<b>R5850</b>	RunNo:	<b>5850</b>					
Prep Date:		Analysis Date:	<b>9/28/2012</b>	SeqNo:	<b>168175</b>	Units:	<b>µg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	22	1.0	20.00	0	108	80	120			
Surr: 4-Bromofluorobenzene	18		20.00		91.1	69.7	152			

Sample ID	<b>1209C49-001AMS</b>	SampType:	<b>MS</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>BatchQC</b>	Batch ID:	<b>R5850</b>	RunNo:	<b>5850</b>					
Prep Date:		Analysis Date:	<b>9/28/2012</b>	SeqNo:	<b>168178</b>	Units:	<b>µg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	16000	50	1000	14880	153	75.2	124			SE
Surr: 4-Bromofluorobenzene	840		1000		84.4	69.7	152			

Sample ID	<b>1209C49-001AMSD</b>	SampType:	<b>MSD</b>	TestCode:	<b>EPA Method 8021B: Volatiles</b>					
Client ID:	<b>BatchQC</b>	Batch ID:	<b>R5850</b>	RunNo:	<b>5850</b>					
Prep Date:		Analysis Date:	<b>9/28/2012</b>	SeqNo:	<b>168179</b>	Units:	<b>µg/L</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	16000	50	1000	14880	118	75.2	124	2.16	11.9	E
Surr: 4-Bromofluorobenzene	1200		1000		115	69.7	152	0	0	

**Qualifiers:**

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- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

**Sample Log-In Check List**

Client Name: **Western Refining Gallup**

Work Order Number: 1209C31

Received by/date: *[Signature]* 09/27/12

Logged By: **Ashley Gallegos** 9/27/2012 12:40:00 PM *[Signature]*

Completed By: **Ashley Gallegos** 9/27/2012 2:43:28 PM *[Signature]*

Reviewed By: *[Signature]* 09/27/12

**Chain of Custody**

- 1. Were seals intact? Yes  No  Not Present
- 2. Is Chain of Custody complete? Yes  No  Not Present
- 3. How was the sample delivered? Courier

**Log In**

- 4. Coolers are present? (see 19. for cooler specific information) Yes  No  NA
- 5. Was an attempt made to cool the samples? Yes  No  NA
- 6. Were all samples received at a temperature of >0° C to 6.0°C Yes  No  NA
- 7. Sample(s) in proper container(s)? Yes  No
- 8. Sufficient sample volume for indicated test(s)? Yes  No
- 9. Are samples (except VOA and ONG) properly preserved? Yes  No
- 10. Was preservative added to bottles? Yes  No  NA
- 11. VOA vials have zero headspace? Yes  No  No VOA Vials
- 12. Were any sample containers received broken? Yes  No
- 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes  No  # of preserved bottles checked for pH:
- 14. Are matrices correctly identified on Chain of Custody? Yes  No  (<2 or >12 unless noted)
- 15. Is it clear what analyses were requested? Yes  No  Adjusted?
- 16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes  No  Checked by:

**Special Handling (if applicable)**

- 17. Was client notified of all discrepancies with this order? Yes  No  NA

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
 By Whom: \_\_\_\_\_ Via:  eMail  Phone  Fax  In Person  
 Regarding: \_\_\_\_\_  
 Client Instructions: \_\_\_\_\_

18. Additional remarks:

**19. Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good	Yes			

**QUALITY ASSURANCE RECORD**

Client: Western - Refining

Gallup Refinery

Mailing Address: RT 3 Box 7

Gallup NM 87301

Phone #: 505 722 3833  
 email or Fax#: 505 863 0930

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

Standard  Rush  
 Project Name: BZ Strippers

Project #: API BZ 1-2 Out

Project Manager: Beck Larsen

Sampler: API-MPPE-OPPs  
 On Ice:  Yes  No  
 Sample Temperature: 24

Container Type and #  
 Preservative Type  
 HEAL No. 12091031

40ml-3	HCL	-001
40ml-3	HCL	-002
40ml-3	HCL	-003
40ml-3	HCL	-004

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com  
 4901 Hawkins NE - Albuquerque, NM 87109  
 Tel. 505-345-3975 Fax 505-345-4107

**Analysis Request**

<input checked="" type="checkbox"/>	BTEX + MTBE + MIBK (8021)B
<input type="checkbox"/>	BTEX + MTBE + TPH (Gas only)
<input type="checkbox"/>	TPH 8015B (GRO / DRO / MRO)
<input type="checkbox"/>	TPH (Method 418.1)
<input type="checkbox"/>	EDB (Method 504.1)
<input type="checkbox"/>	PAH (8310 or 8270SIMS)
<input type="checkbox"/>	RCRA 8 Metals
<input type="checkbox"/>	Anions (F, Cl, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> )
<input type="checkbox"/>	8081 Pesticides / 8082 PCBs
<input type="checkbox"/>	8260B (VOA)
<input type="checkbox"/>	8270 (Semi-VOA)
<input type="checkbox"/>	PH
<input type="checkbox"/>	Specific Conductance
<input type="checkbox"/>	Cations
<input type="checkbox"/>	Anions
<input type="checkbox"/>	Air Bubbles (Y or N)

Date: 9-27-12 Time: 11:00  
 Relinquished by: Alvin Doreeey  
 Received by: [Signature] Date: 09/27/12 Time: 1240  
 Relinquished by: [Signature] 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.