3R - 315

2012 AGWMR

04 / 10 / 2013

RECEIVED OCD

2013 APR 12 P 1:21

April 10, 2013

New Mexico Oil Conservation Division
Attn: Glenn von Goten
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

RE: 2012 Annual Groundwater Reports
Williams Field Services, LLC
PO Box 3483, MD 48-6
Tulsa, Oklahoma 74101

Dear Mr. von Goten:

Please find attached to this letter the "2012 Annual Groundwater Reports" for the following four locations in the San Juan Basin for Williams Field Services, LLC:

- Davis #1 3R-311
- Dogie East Pit 3R-312
- Florance #40 3R-315
- Florance #47X 3R-317

If you have any questions or comments, please do not hesitate to contact us at (505) 326-2107 or (970) 385-1096.

Sincerely,

LT ENVIRONMENTAL, INC.

Kyla Vaughan
Environmental Compliance Specialist

cc: Williams Field Services, LLC

2012 ANNUAL GROUNDWATER REPORT

FLORANCE #40
ADMINISTRATIVE/ENVIRONMENTAL ORDER NUMBER 3RP-315-0

APRIL 2013

Prepared for:

WILLIAMS FIELD SERVICES, LLC
TULSA, OKLAHOMA

2012 ANNUAL GROUNDWATER REPORT

FLORANCE #40
ADMINISTRATIVE/ENVIRONMENTAL ORDER NUMBER
3RP-315-0

APRIL 2013

Prepared for:

WILLIAMS FIELD SERVICES, LLC
PO Box 3483, MD 48-6
Tulsa, Oklahoma 74101

Prepared by:

LT ENVIRONMENTAL, INC.
2243 Main Avenue, Suite 3
Durango, Colorado 81301
(970) 385-1096

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

EXECUTIVE SUMMARY

Groundwater at the Florance #40 (Administrative/Environmental Order Number 3RP-315-0) natural gas production well (Site) is impacted by petroleum hydrocarbons in excess of the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards for benzene, toluene, ethylbenzene, and total xylenes (BTEX) due to releases from two separate source areas: a former dehydrator pit and a former earthen separator pit. Williams Field Services, LLC (Williams) retains remedial responsibility for the dehydrator pit; BP America Production Company (BP) is responsible for impacts from the former separator pit. Williams conducted groundwater monitoring activities at the Site between April 2012 and December 2012. In January 2013, Williams retained LT Environmental Inc., (LTE) to visit the Site and evaluate the status of all groundwater monitoring wells, complete annual sampling requirements, and recommend improvements to the groundwater remediation program.

Between April 2012 and February 2013, five groundwater monitoring events were conducted (April 2012, June 2012, October 2012, December 2012, and February 2013). Depth to groundwater and depth to free-phase hydrocarbon data for the monitoring events conducted in 2012 were not available. Depth to groundwater data in February 2013 indicate the groundwater flow is to the south/southwest.

Groundwater monitoring well MW-4 was not sampled between June 2012 and February 2013; it was not sampled in March 2013 due to the presence of 0.02 feet of free-phase hydrocarbons. Groundwater monitoring well MW-6 was not sampled in April 2012, June 2012, October 2012, or December 2012. In March 2013, groundwater monitoring well MW-6 was not sampled because it was dry.

Benzene, toluene, and total xylenes concentrations in groundwater in excess of the NMWQCC groundwater standards and free-phase hydrocarbons are present in the area upgradient of Williams' responsibility (monitoring well MW-1 and Amoco groundwater monitoring wells). It appears that overall depth to groundwater at the Site has dropped to elevations that are below the total depths of most wells in the groundwater monitoring well network. Groundwater monitoring wells MW-3 and MW-5 were not sampled between April 2012 and February 2013 and groundwater monitoring wells MW-6 and MW-7 were only sampled in April 2012. BTEX concentrations in groundwater monitoring well MW-4 were compliant with the NMWQCC groundwater standards between April 2012 and December 2012; however, 0.2 feet of free-phase hydrocarbons were observed in this well in February 2013.

Williams proposes to cease all groundwater monitoring activities in monitoring wells MW-1 and the Amoco well; they are not Williams' responsibility. Williams proposes to use groundwater monitoring well MW-5 as the upgradient well for their area of responsibility at the Site. Williams will plug and abandon groundwater monitoring wells MW-3 and MW-6 and replace them with deeper monitoring wells MW-3R and MW-6R to intercept the groundwater. Williams proposes to continue to conduct quarterly monitoring and will evaluate and implement recovery of free-phase hydrocarbons as necessary. The source of the free-phase hydrocarbons in groundwater monitoring well MW-4 will be explored further as additional groundwater quality data are collected.

1.0 INTRODUCTION

LT Environmental, Inc. (LTE) on behalf of Williams Field Services, LLC (Williams) has prepared this report detailing groundwater monitoring completed from April 2012 through February 2013 at the Florance #40 (Administrative/Environmental Order Number 3RP-315-0) natural gas production well site (Site) (Figure 1). The scope of work for this project was continued monitoring of petroleum hydrocarbon impacts to groundwater as a result of operations of a former lined pit to collect drip gas and water from a condensate tank. From April 2012 through December 2012, Williams conducted groundwater sampling. In February 2013, LTE visited the Site to evaluate the status of all groundwater monitoring wells, complete annual sampling requirements, and recommend improvements to the groundwater remediation program.

1.1 LOCATION

The Site is located at latitude 36.799827 and longitude -107.678573 in Unit G, Section 21, Township 30 North, Range 8 West. The Site is near Gobernador Canyon in the San Juan Basin in San Juan County, New Mexico (Figure 1).

1.2 HISTORY

There are two separate source areas at the Site: a former Amoco Production Company (Amoco) separator pit that is now the responsibility of BP America Production Company (BP) and a former Public Service Company of New Mexico (PNM) dehydrator pit that is now Williams' responsibility (Figure 2). According to a letter dated December 30, 1997 from the New Mexico Oil Conservation Division (NMOCD) to Amoco, Amoco was responsible for remediation of soil and groundwater contamination downgradient of the former Amoco separator pit and PNM was responsible for groundwater contamination downgradient of the former PNM dehydrator pit. The level of investigation or remediation by BP for the former Amoco pit is unknown. In 1996, 646 cubic yards of petroleum hydrocarbon impacted soil was removed from the former dehydrator pit. The floor of the excavation was 17 feet below ground surface (bgs); field screening indicated petroleum hydrocarbon impacted soil remained at this depth. A test hole (later converted to groundwater monitoring well MW-2) was installed 24 feet south of the former PNM dehydrator pit; impacts were observed from 20 feet bgs to the total depth of 50 feet bgs in the soil, groundwater sampled from the well contained 11,507 µg/L benzene, toluene, ethylbenzene, and total xylenes (BTEX). Groundwater monitoring well MW-1 was installed upgradient (north) of the source area; impacted soil was observed between 40 feet bgs and 55 feet bgs. In 1997, groundwater monitoring wells MW-3 and MW-4 were installed. In August 1997, the casing for groundwater monitoring well MW-2 collapsed; the well was replaced with groundwater monitoring well MW-6 in March 2000, at the same time groundwater monitoring wells MW-5 and MW-7 were installed. In 1998, Blagg Engineering installed groundwater monitoring well "Amoco" in/adjacent to the former Amoco pit.

Between September 1999 and December 2012, Williams monitored groundwater at the Site. Groundwater monitoring wells MW-1, MW-3, MW-6, and Amoco contained free phase hydrocarbons at some time between 1997 and 2002; it is not known if free-phase hydrocarbons were recovered from any groundwater monitoring wells during this time. A fully saturated

product recovery sock was discovered in groundwater monitoring well MW-1 during the February 2013 site visit, indicating product recovery had been occurring in this well. Records regarding these activities can be found in previous groundwater reports submitted to the NMOCD.

In February 2013, a site visit was conducted by LTE to observe site conditions and evaluate the status of all groundwater monitoring wells. Depth to groundwater and depth to product were measured and groundwater samples were collected, when possible, for laboratory analysis of BTEX.

2.0 METHODOLOGY

Groundwater monitoring activities were conducted at the Site in April 2012, June 2012, October 2012, December 2012, and February 2013. The April 2012 through December 2012 monitoring events were conducted by a third-party consultant and the methodology used is not known. Water level measurements were not available for the April 2012 through December 2012 monitoring events. Table 1 provides a cross-reference to match the sample identifier with the appropriate groundwater monitoring well for the April 2012 through December 2012 monitoring events. The first quarter 2013 monitoring event was conducted by LTE; the methodology used by LTE is discussed below.

2.1 WATER AND PRODUCT LEVEL MEASUREMENTS

Groundwater level monitoring included recording depth to groundwater measurements with a Keck oil/water interface probe. The presence of any free-phase petroleum hydrocarbons was investigated using the interface probe. The interface probe was decontaminated with Alconox™ soap and rinsed with de-ionized water prior to each measurement. These data are summarized in Table 2.

2.2 GROUNDWATER SAMPLING

Prior to sampling groundwater, depth to groundwater and total depth of monitoring wells were measured with a Keck oil/water interface probe. Groundwater monitoring wells containing measurable free-phase petroleum hydrocarbons were not sampled. The volume of water in each monitoring well was calculated, and a minimum of three well casing volumes of water was purged from each well using a new disposable polyvinyl chloride (PVC) bailer. As water was removed from the monitoring well, pH, electric conductivity and temperature were monitored. Monitoring wells were purged until these properties stabilized, indicating the purge water was representative of aquifer conditions, or until the well was purged dry. Stabilization was defined as three consecutive stable readings for each water property (±0.4 units for pH, ±10 percent for electric conductivity and ±2° C for temperature). All purge water was containerized and disposed of at a facility designated by Williams. A copy of the laboratory reports are presented in Appendix A and copies of the field sheets are presented in Appendix B.

Once each monitoring well was properly purged, groundwater samples were collected by filling three 40-milliliter (ml) glass vials. The laboratory supplied vials were filled and capped with no

air inside to prevent degradation of the sample. Samples were labeled with the date and time of collection, monitoring well designation, project name, collector's name, and parameters to be analyzed. They were immediately sealed and packed on ice. The samples were transferred to Hall Environmental Analysis Laboratory (HEAL) for analysis. Samples were stored on ice in a sealed cooler and maintained under chain-of-custody (COC) procedures. COC forms were completed documenting the date and time sampled, sample number, type of sample, sampler's name, preservative used (if any), analyses required, and sampler's signature.

2.3 GROUNDWATER CONTOUR MAPS

LTE used existing top of casing well elevations and depth to groundwater measurements obtained from monitoring wells during the February 2013 site visit to draft a groundwater contour map (Figure 2). Contours were inferred based on groundwater elevations and observation of physical characteristics at the Site (topography, proximity to irrigation ditches, etc.).

3.0 RESULTS

Upgradient of the Williams source area, monitoring well AMOCO contained BTEX concentrations exceeding NMWQCC standards and groundwater monitoring well MW-1 contained free-phase hydrocarbons, while groundwater monitoring well MW-5 did not contain sufficient groundwater to sample. Within the original Williams source are, groundwater monitoring well MW-6 contained BTEX concentrations exceeding NMWQCC standards when water was available for sampling. It was dry during the February 2013 sampling event. Downgradient groundwater monitoring wells MW-3 and MW-7 were also dry, but groundwater monitoring well MW-7 did not contain detectable concentrations of BTEX when groundwater was present in April of 2012. Monitoring well MW-4, which appears to be cross-gradient of the original source area, contained 0.02 feet of free-phase hydrocarbons. Table 3 summarizes the groundwater analytical results and copies of the laboratory reports can be found in Appendix A.

4.0 CONCLUSIONS

Groundwater in monitoring wells MW-1 and Amoco is impacted, but are outside Williams' area of responsibility. Within Williams' area of responsibility, it appears that overall depth to groundwater at the Site has dropped to elevations that are below the total depths of most wells in the groundwater monitoring well network. Groundwater monitor wells MW-3, MW-5, MW-6, and MW-7 are dry and groundwater monitoring well MW-4 contains 0.02 feet of free phase hydrocarbons. When water is present in groundwater monitoring well MW-6, it exceeds the NMWQCC groundwater standards. Groundwater behavior and the extent of groundwater impact are not defined in the Williams area of responsibility.

5.0 RECOMMENDATIONS

Williams proposes to cease all groundwater monitoring activities in monitoring wells MW-1 and the Amoco well; the presence of free-phase hydrocarbons in groundwater monitoring well MW-1 is likely due to impacts at the former Amoco separator pit and the Amoco well is several hundred

feet upgradient of the Williams source area. Williams proposes to use groundwater monitoring well MW-5 as the upgradient well for their area of responsibility at the Site. Williams will plug and abandon groundwater monitoring wells MW-3 and MW-6 and replace them with groundwater monitoring wells MW-3R and MW-6R, both which will be drilled to deeper total depths, if possible. Williams proposes to conduct quarterly depth to groundwater and depth to product measurements in groundwater monitoring wells MW-3R, MW-4, MW-5, MW-6R, and MW-7. Williams will sample groundwater in monitoring wells MW-3R, MW-4, and MW-6R quarterly. If monitoring well MW-3R contains product or BTEX concentrations exceeding NMWQCC groundwater standards, Williams will also sample groundwater in monitoring well MW-7 for BTEX analysis quarterly. Based on ongoing monitoring and the product thickness in monitoring well MW-3R, MW-4, and MW-6R (if any), Williams will evaluate and implement recovery of free-phase hydrocarbons as necessary. The source of the free-phase hydrocarbons in groundwater monitoring well MW-4 will be explored further as additional water quality data are collected and groundwater flow direction is better established.

FIGURES

LEGEND

SITE LOCATION

IMAGE COURTESY OF ESRI/BING MAPS

0 2,000 4,000

Feet

N

FIGURE 1
SITE LOCATION MAP
FLORANCE #40
SAN JUAN COUNTY, NEW MEXICO

WILLIAMS FIELD SERVICES, LLC

P:\Williams Four Corners\GIS\MXD\034013001_FLORANCE#40\034013001_FLORANCE_#40_FIG01_SL.mxd

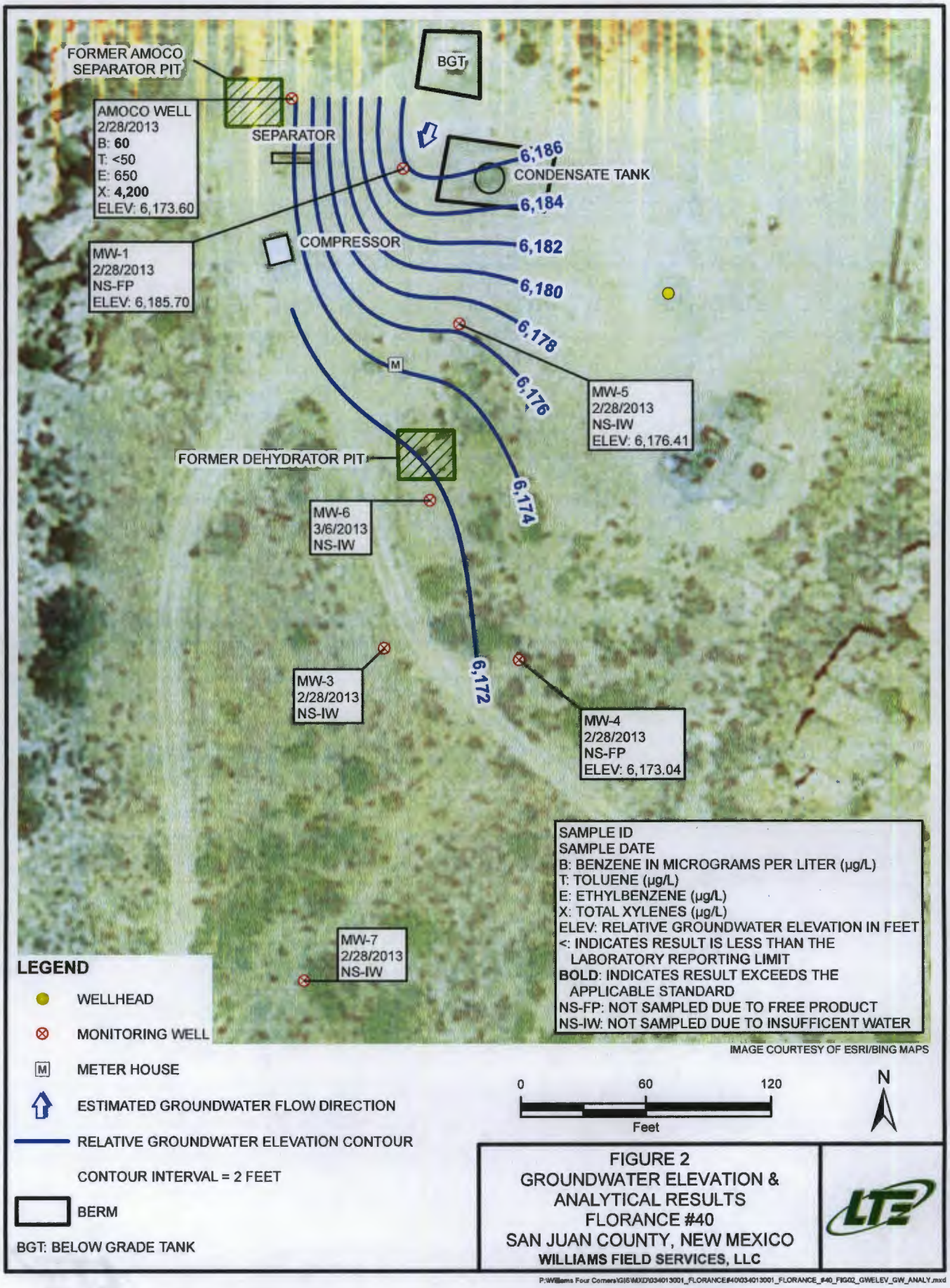

FIGURE 2
GROUNDWATER ELEVATION & ANALYTICAL RESULTS
FLORANCE #40
SAN JUAN COUNTY, NEW MEXICO
WILLIAMS FIELD SERVICES, LLC

P:\Williams Four Corners\GIS\MXD\034013001_FLORANCE#40\034013001_FLORANCE_#40_FIG02_GWELEV_GW_ANALY.mxd

TABLES

TABLE 1

CROSS REFERENCE WELL NAME AND SAMPLE IDENTIFIER
APRIL 2012 THROUGH DECEMBER 2012 SAMPLE DATES
FLORANCE #40
WILLIAMS FIELD SERVICES, LLC

Sample Identifier	Well Name	Sample Date
130306DEC12	MW-1	12/6/2012
135202APR12	MW-4	4/2/2012
153113JUN12	MW-4	6/13/2012
125602OCT12	MW-4	10/2/2012
132506DEC12	MW-4	12/6/2012
133702APR12	MW-6	4/2/2012
132602APR12	MW-7	4/2/2012
151313JUN12	AMOCO	6/13/2012
123502OCT12	AMOCO	10/2/2012
125106DEC12	AMOCO	12/6/2012

Note:
Samples summarized in this table were not collected by LTE

TABLE 2

GROUNDWATER ELEVATION SUMMARY
FLORANCE #40
WILLIAMS FIELD SERVICES, LLC

Well ID	Date	Depth to Product (feet BTOC)	Product Thickness (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
AMOCO	4/2/2012	UNK	UNK	UNK	UNK
AMOCO	6/13/2012	UNK	UNK	UNK	UNK
AMOCO	10/2/2012	UNK	UNK	UNK	UNK
AMOCO	12/6/2012	UNK	UNK	UNK	UNK
AMOCO	2/28/2013	NP	NP	61.27	6173.60
MW-1	4/2/2012	UNK	UNK	UNK	UNK
MW-1	6/13/2012	UNK	UNK	UNK	UNK
MW-1	10/2/2012	UNK	UNK	UNK	UNK
MW-1	12/6/2012	UNK	UNK	UNK	UNK
MW-1 *	2/28/2013	45.90	0.02	45.92	6185.70
MW-3	4/2/2012	UNK	UNK	UNK	UNK
MW-3	6/13/2012	UNK	UNK	UNK	UNK
MW-3	10/2/2012	UNK	UNK	UNK	UNK
MW-3	12/6/2012	UNK	UNK	UNK	UNK
MW-3	2/28/2013	NP	NP	DRY	DRY
MW-4	4/2/2012	UNK	UNK	UNK	UNK
MW-4	6/13/2012	UNK	UNK	UNK	UNK
MW-4	10/2/2012	UNK	UNK	UNK	UNK
MW-4	12/6/2012	UNK	UNK	UNK	UNK
MW-4	2/28/2013	46.59	0.02	46.61	6173.04
MW-5	4/2/2012	UNK	UNK	UNK	UNK
MW-5	6/13/2012	UNK	UNK	UNK	UNK
MW-5	10/2/2012	UNK	UNK	UNK	UNK
MW-5	12/6/2012	UNK	UNK	UNK	UNK
MW-5	2/28/2013	NP	NP	52.16	6176.41

TABLE 2

GROUNDWATER ELEVATION SUMMARY
FLORANCE #40
WILLIAMS FIELD SERVICES, LLC

Well ID	Date	Depth to Product (feet BTOC)	Product Thickness (feet)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet AMSL)
MW-6	4/2/2012	UNK	UNK	UNK	UNK
MW-6	6/13/2012	UNK	UNK	UNK	UNK
MW-6	10/2/2012	UNK	UNK	UNK	UNK
MW-6	12/6/2012	UNK	UNK	UNK	UNK
MW-6	3/6/2013	NP	NP	DRY	DRY
MW-7	4/2/2012	UNK	UNK	UNK	UNK
MW-7	6/13/2012	UNK	UNK	UNK	UNK
MW-7	10/2/2012	UNK	UNK	UNK	UNK
MW-7	12/6/2012	UNK	UNK	UNK	UNK
MW-7	2/28/2013	NP	NP	DRY	DRY

Notes:

BTOC - Below Top of Casing

AMSL - Above Mean Sea Level

NP - No Product

UNK - data is not known

Groundwater elevation calculation in wells with product: (Top of Casing Elevation - Depth to Water) + (Product Thickness * 0.8)

* - product recovery sock was present in well

TABLE 3

GROUNDWATER LABORATORY ANALYTICAL RESULTS
FLORANCE #40
WILLIAMS FIELD SERVICES, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard (µg/L)		**10**	**750**	**750**	**620**
AMOCO	4/2/2012	NS	NS	NS	NS
AMOCO	6/13/2012	**81.8**	**966**	30.5	**4,480**
AMOCO	10/2/2012	**71.6**	**881**	<5.0	**4,320**
AMOCO	12/6/2012	**80.4**	**952**	<5.0	**3,730**
AMOCO	2/28/2013	**60**	<50	650	**4,200**
MW-1	4/2/2012	NS	NS	NS	NS
MW-1	6/13/2012	NS	NS	NS	NS
MW-1	10/2/2012	NS	NS	NS	NS
MW-1	12/6/2012	**1,670**	**1,300**	<10.0	**995**
MW-1	2/28/2013	NSP	NSP	NSP	NSP
MW-3	4/2/2012	NS	NS	NS	NS
MW-3	6/13/2012	NS	NS	NS	NS
MW-3	10/2/2012	NS	NS	NS	NS
MW-3	12/6/2012	NS	NS	NS	NS
MW-3	2/28/2013	NSD	NSD	NSD	NSD
MW-4	4/2/2012	<1.0	<1.0	<1.0	<3.0
MW-4	6/13/2012	<1.0	<1.0	<1.0	<3.0
MW-4	10/2/2012	<5.0	<5.0	<5.0	<15.0
MW-4	12/6/2012	<1.0	<1.0	<1.0	<3.0
MW-4	2/28/2013	NSP	NSP	NSP	NSP
MW-5	4/2/2012	NS	NS	NS	NS
MW-5	6/13/2012	NS	NS	NS	NS
MW-5	10/2/2012	NS	NS	NS	NS
MW-5	12/6/2012	NS	NS	NS	NS
MW-5	2/28/2013	NSD	NSD	NSD	NSD
MW-6	4/2/2012	**86.7**	**799**	28.0	**4,240**
MW-6	6/13/2012	NS	NS	NS	NS
MW-6	10/2/2012	NS	NS	NS	NS

TABLE 3

GROUNDWATER LABORATORY ANALYTICAL RESULTS
FLORANCE #40
WILLIAMS FIELD SERVICES, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard (µg/L)		**10**	**750**	**750**	**620**
MW-6	12/6/2012	NS	NS	NS	NS
MW-6	2/28/2013	NSD	NSD	NSD	NSD
MW-7	4/2/2012	<1.0	<1.0	<1.0	<3.0
MW-7	6/13/2012	NS	NS	NS	NS
MW-7	10/2/2012	NS	NS	NS	NS
MW-7	12/6/2012	NS	NS	NS	NS
MW-7	2/28/2013	NSD	NSD	NSD	NSD

Notes:
NMWQCC - New Mexico Water Quality Control Commission
NS- not sampled
NSD - well did not contain sufficient volume of water to be sampled
NSP - not sampled due to the presence of free phase hydrocarbons in the well
µg/L - micrograms per liter
< - indicates result is less than laboratory reporting detection limit
Bold - indicates sample exceeds NMWQCC standard

APPENDIX A
ANALYTICAL LABORATORY REPORTS

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

April 17, 2012

Mr. Mark Harvey
Mile High Environmental
811 B West Apache
Farmington, NM 87401

RE: Project: NM GW
Pace Project No.: 60119146

Dear Mr. Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heather M. Wilson

Heather Wilson

heather.wilson@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: NM GW
Pace Project No.: 60119146

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: NM GW
Pace Project No.: 60119146

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60119146001	**164306APR12**	Water	04/06/12 16:43	04/10/12 10:00
60119146002	**165406APR12**	Water	04/06/12 16:54	04/10/12 10:00
60119146003	**170706APR12**	Water	04/06/12 17:07	04/10/12 10:00
60119146004	**171906APR12**	Water	04/06/12 17:19	04/10/12 10:00
60119146005	**173006APR12**	Water	04/06/12 17:30	04/10/12 10:00
60119146006	**145104APR12**	Water	04/04/12 14:51	04/10/12 10:00
60119146007	**150704APR12**	Water	04/04/12 15:07	04/10/12 10:00
60119146008	**152404APR12**	Water	04/04/12 15:24	04/10/12 10:00
60119146009	**153704APR12**	Water	04/04/12 15:37	04/10/12 10:00
60119146010	**132602APR12**	Water	04/02/12 13:26	04/10/12 10:00
60119146011	**135202APR12**	Water	04/02/12 13:52	04/10/12 10:00
60119146012	**133702APR12**	Water	04/02/12 13:37	04/10/12 10:00

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: NM GW
Pace Project No.: 60119146

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60119146001	**164306APR12**	EPA 8260	RNS	9
60119146002	**165406APR12**	EPA 8260	RNS	9
60119146003	**170706APR12**	EPA 8260	JDM	9
60119146004	**171906APR12**	EPA 8260	RNS	9
60119146005	**173006APR12**	EPA 8260	RNS	9
60119146006	**145104APR12**	EPA 8260	RNS	9
60119146007	**150704APR12**	EPA 8260	RNS	9
60119146008	**152404APR12**	EPA 8260	RNS	9
60119146009	**153704APR12**	EPA 8260	RNS	9
60119146010	**132602APR12**	EPA 8260	RNS	9
60119146011	**135202APR12**	EPA 8260	JDM	9
60119146012	**133702APR12**	EPA 8260	RNS	9

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 164306APR12 **Lab ID: 60119146001** Collected: 04/06/12 16:43 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		04/12/12 16:36	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 16:36	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 16:36	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 16:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%	86-112	1		04/12/12 16:36	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 16:36	2037-26-5	
4-Bromofluorobenzene (S)	101	%	87-113	1		04/12/12 16:36	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	82-119	1		04/12/12 16:36	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 16:36		

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 165406APR12 **Lab ID: 60119146002** Collected: 04/06/12 16:54 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		04/12/12 16:51	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 16:51	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 16:51	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 16:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	86-112	1		04/12/12 16:51	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 16:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%	87-113	1		04/12/12 16:51	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	82-119	1		04/12/12 16:51	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 16:51		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 170706APR12 **Lab ID: 60119146003** Collected: 04/06/12 17:07 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**5.0**	ug/L	1.0	1		04/13/12 21:33	71-43-2	
Ethylbenzene	**98.3**	ug/L	1.0	1		04/13/12 21:33	100-41-4	
Toluene	**4.4**	ug/L	1.0	1		04/13/12 21:33	108-88-3	
Xylene (Total)	**255**	ug/L	3.0	1		04/13/12 21:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	86-112	1		04/13/12 21:33	1868-53-7	
Toluene-d8 (S)	101	%	90-110	1		04/13/12 21:33	2037-26-5	
4-Bromofluorobenzene (S)	100	%	87-113	1		04/13/12 21:33	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	82-119	1		04/13/12 21:33	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/13/12 21:33		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 171906APR12 **Lab ID: 60119146004** Collected: 04/06/12 17:19 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**88.8**	ug/L	1.0	1		04/12/12 17:21	71-43-2	
Ethylbenzene	**3.7**	ug/L	1.0	1		04/12/12 17:21	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 17:21	108-88-3	
Xylene (Total)	**4.4**	ug/L	3.0	1		04/12/12 17:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%	86-112	1		04/12/12 17:21	1868-53-7	
Toluene-d8 (S)	97	%	90-110	1		04/12/12 17:21	2037-26-5	
4-Bromofluorobenzene (S)	102	%	87-113	1		04/12/12 17:21	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	82-119	1		04/12/12 17:21	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 17:21		

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 173006APR12 **Lab ID: 60119146005** Collected: 04/06/12 17:30 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		04/12/12 17:36	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 17:36	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 17:36	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 17:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	86-112	1		04/12/12 17:36	1868-53-7	
Toluene-d8 (S)	97	%	90-110	1		04/12/12 17:36	2037-26-5	
4-Bromofluorobenzene (S)	99	%	87-113	1		04/12/12 17:36	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	82-119	1		04/12/12 17:36	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 17:36		

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 145104APR12 **Lab ID: 60119146006** Collected: 04/04/12 14:51 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		04/12/12 17:51	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 17:51	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 17:51	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 17:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	86-112	1		04/12/12 17:51	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 17:51	2037-26-5	
4-Bromofluorobenzene (S)	98	%	87-113	1		04/12/12 17:51	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	82-119	1		04/12/12 17:51	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 17:51		

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 150704APR12 **Lab ID: 60119146007** Collected: 04/04/12 15:07 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		04/12/12 18:06	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 18:06	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 18:06	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 18:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	86-112	1		04/12/12 18:06	1868-53-7	
Toluene-d8 (S)	97	%	90-110	1		04/12/12 18:06	2037-26-5	
4-Bromofluorobenzene (S)	98	%	87-113	1		04/12/12 18:06	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	82-119	1		04/12/12 18:06	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 18:06		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 152404APR12 **Lab ID: 60119146008** Collected: 04/04/12 15:24 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		04/12/12 18:21	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 18:21	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 18:21	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 18:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	86-112	1		04/12/12 18:21	1868-53-7	
Toluene-d8 (S)	98	%	90-110	1		04/12/12 18:21	2037-26-5	
4-Bromofluorobenzene (S)	99	%	87-113	1		04/12/12 18:21	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	82-119	1		04/12/12 18:21	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 18:21		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 153704APR12 **Lab ID: 60119146009** Collected: 04/04/12 15:37 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		04/12/12 18:37	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 18:37	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 18:37	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 18:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	86-112	1		04/12/12 18:37	1868-53-7	
Toluene-d8 (S)	97	%	90-110	1		04/12/12 18:37	2037-26-5	
4-Bromofluorobenzene (S)	101	%	87-113	1		04/12/12 18:37	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	82-119	1		04/12/12 18:37	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 18:37		

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 132602APR12 **Lab ID: 60119146010** Collected: 04/02/12 13:26 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		04/12/12 18:52	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 18:52	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 18:52	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 18:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	86-112	1		04/12/12 18:52	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 18:52	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		04/12/12 18:52	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	82-119	1		04/12/12 18:52	17060-07-0	
Preservation pH	**2.0**		1.0	1		04/12/12 18:52		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 135202APR12 **Lab ID: 60119146011** Collected: 04/02/12 13:52 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		04/13/12 21:49	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/13/12 21:49	100-41-4	
Toluene	ND	ug/L	1.0	1		04/13/12 21:49	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/13/12 21:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	86-112	1		04/13/12 21:49	1868-53-7	
Toluene-d8 (S)	112	%	90-110	1		04/13/12 21:49	2037-26-5	P2,S0
4-Bromofluorobenzene (S)	105	%	87-113	1		04/13/12 21:49	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	82-119	1		04/13/12 21:49	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/13/12 21:49		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119146

Sample: 133702APR12 **Lab ID: 60119146012** Collected: 04/02/12 13:37 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**86.7**	ug/L	20.0	20		04/12/12 19:22	71-43-2	
Ethylbenzene	**799**	ug/L	20.0	20		04/12/12 19:22	100-41-4	
Toluene	**28.0**	ug/L	20.0	20		04/12/12 19:22	108-88-3	
Xylene (Total)	**4240**	ug/L	60.0	20		04/12/12 19:22	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	86-112	20		04/12/12 19:22	1868-53-7	
Toluene-d8 (S)	103	%	90-110	20		04/12/12 19:22	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	20		04/12/12 19:22	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	82-119	20		04/12/12 19:22	17060-07-0	
Preservation pH	**1.0**		1.0	20		04/12/12 19:22		

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: NM GW
Pace Project No.: 60119146

QC Batch: MSV/44894 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60119146001, 60119146002, 60119146004, 60119146005, 60119146006, 60119146007, 60119146008, 60119146009, 60119146010, 60119146012

METHOD BLANK: 980837 Matrix: Water
Associated Lab Samples: 60119146001, 60119146002, 60119146004, 60119146005, 60119146006, 60119146007, 60119146008, 60119146009, 60119146010, 60119146012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	04/12/12 15:35	
Ethylbenzene	ug/L	ND	1.0	04/12/12 15:35	
Toluene	ug/L	ND	1.0	04/12/12 15:35	
Xylene (Total)	ug/L	ND	3.0	04/12/12 15:35	
1,2-Dichloroethane-d4 (S)	%	100	82-119	04/12/12 15:35	
4-Bromofluorobenzene (S)	%	100	87-113	04/12/12 15:35	
Dibromofluoromethane (S)	%	97	86-112	04/12/12 15:35	
Toluene-d8 (S)	%	95	90-110	04/12/12 15:35	

LABORATORY CONTROL SAMPLE: 980838

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.7	98	82-117	
Ethylbenzene	ug/L	20	18.4	92	79-121	
Toluene	ug/L	20	23.5	118	80-120	
Xylene (Total)	ug/L	60	55.5	93	79-120	
1,2-Dichloroethane-d4 (S)	%			99	82-119	
4-Bromofluorobenzene (S)	%			101	87-113	
Dibromofluoromethane (S)	%			99	86-112	
Toluene-d8 (S)	%			95	90-110	

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: NM GW
Pace Project No.: 60119146

QC Batch: MSV/44932 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60119146003, 60119146011

METHOD BLANK: 981755 Matrix: Water
Associated Lab Samples: 60119146003, 60119146011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	04/13/12 21:17	
Ethylbenzene	ug/L	ND	1.0	04/13/12 21:17	
Toluene	ug/L	ND	1.0	04/13/12 21:17	
Xylene (Total)	ug/L	ND	3.0	04/13/12 21:17	
1,2-Dichloroethane-d4 (S)	%	100	82-119	04/13/12 21:17	
4-Bromofluorobenzene (S)	%	100	87-113	04/13/12 21:17	
Dibromofluoromethane (S)	%	98	86-112	04/13/12 21:17	
Toluene-d8 (S)	%	100	90-110	04/13/12 21:17	

LABORATORY CONTROL SAMPLE: 981756

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.6	98	82-117	
Ethylbenzene	ug/L	20	20.4	102	79-121	
Toluene	ug/L	20	19.5	97	80-120	
Xylene (Total)	ug/L	60	60.4	101	79-120	
1,2-Dichloroethane-d4 (S)	%			98	82-119	
4-Bromofluorobenzene (S)	%			101	87-113	
Dibromofluoromethane (S)	%			100	86-112	
Toluene-d8 (S)	%			101	90-110	

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: NM GW
Pace Project No.: 60119146

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: MSV/44894

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/44932

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

P2 Re-extraction or re-analysis could not be performed due to insufficient sample amount.

S0 Surrogate recovery outside laboratory control limits.

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NM GW
Pace Project No.: 60119146

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60119146001	164306APR12	EPA 8260	MSV/44894		
60119146002	165406APR12	EPA 8260	MSV/44894		
60119146003	170706APR12	EPA 8260	MSV/44932		
60119146004	171906APR12	EPA 8260	MSV/44894		
60119146005	173006APR12	EPA 8260	MSV/44894		
60119146006	145104APR12	EPA 8260	MSV/44894		
60119146007	150704APR12	EPA 8260	MSV/44894		
60119146008	152404APR12	EPA 8260	MSV/44894		
60119146009	153704APR12	EPA 8260	MSV/44894		
60119146010	132602APR12	EPA 8260	MSV/44894		
60119146011	135202APR12	EPA 8260	MSV/44932		
60119146012	133702APR12	EPA 8260	MSV/44894		

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1369883

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: MILE HIGH SERVICES	Report To: MARK HARVEY	Attention:
Address: 811 B, WEST APACHE	Copy To:	Company Name:
FARMINGTON, NM		Address:
Email To: mark@milehighenvironmental.com	Purchase Order No.:	Pace Quote Reference:
Phone: 505-326-5422 Fax:	Project Name: NM GW	Pace Project Manager:
Requested Due Date/TAT:	Project Number: DOGE + DVS + FLR 40	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NM

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	164306APR12	WT	G	4-6-12	16:43				2				✓					✓	✓		60119146 DOGE-2 01
2	165406APR12			"	16:54				2				✓					✓	✓		DOGE-SVE4 02
3	170706APR12			"	17:07				2				✓					✓	✓		DOGE-3 03
4	171906APR12			"	17:19				2				✓					✓	✓		DOGE-7 04
5	173006APR12			"	17:30				2				✓					✓	✓		DOGE-9 05
6	145106APR12			4-4-12	14:51				2				✓					✓	✓		DVS-1 06
7	150704APR12			"	15:07				2				✓					✓	✓		DVS-4 07
8	152404APR12			"	15:24				2				✓					✓	✓		DVS-7 08
9	153704APR12			"	15:37				2				✓					✓	✓		DVS-6 09
10	132602APR12			4-2-12	13:26				2				✓					✓	✓		FLR40-7 10
11	135202APR12			"	13:52				2				✓					✓	✓		FLR40-2 11
12	145002APR12			"	14:50				2				✓					✓	✓		FLR40-6 12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	M. HARVEY / MILE HIGH	4-9-12	3:50	FED-EX	4-9-12					
				[signature]	4/10	1000	4.0	X	Y	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY

SIGNATURE of SAMPLER: M. H

DATE Signed (MM/DD/YY): 4-9-12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Pace Analytical®
www.pacelabs.com

Sample Condition Upon Receipt

Client Name: mileHigh Project # 60119146

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 8601 1020 5172 Pace Shipping Label Used? ☐ Yes ☑ No

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☑ No

Optional
Proj. Due Date: 4/17/12
Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other

Thermometer Used: T-191 / T-194 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 4.0
Temperature should be above freezing to 6°C

Date and Initials of person examining contents: [initials] 4-10-12

				Comments:
Chain of Custody present:	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody filled out:	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody relinquished:	☑ Yes	☐ No	☐ N/A	3.
Sampler name & signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples arrived within holding time:	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time analyses (<72hr):	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time requested:	☐ Yes	☑ No	☐ N/A	7.
Sufficient volume:	☑ Yes	☐ No	☐ N/A	8. Did not received 145002 APR12
Correct containers used:	☑ Yes	☐ No	☐ N/A	9. but received 133702 APR12 not on
-Pace containers used:	☑ Yes	☐ No	☐ N/A	Chain 4/2/12 13:37
Containers intact:	☑ Yes	☐ No	☐ N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐ Yes	☐ No	☑ N/A	11.
Filtered volume received for dissolved tests	☐ Yes	☐ No	☑ N/A	12.
Sample labels match COC:	☑ Yes	☐ No	☐ N/A	13.
-Includes date/time/ID/analyses Matrix: WT				
All containers needing preservation have been checked.	☐ Yes	☐ No	☑ N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐ Yes	☐ No	☑ N/A	
Exceptions (VOA), coliform, TOC, O&G, WI-DRO (water), Phenolics	☑ Yes	☐ No		Initial when completed ____ Lot # of added preservative ____
Trip Blank present:	☐ Yes	☑ No	☐ N/A	15.
Pace Trip Blank lot # (if purchased):				
Headspace in VOA vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Project sampled in USDA Regulated Area:	☐ Yes	☐ No	☑ N/A	17. List State:

Client Notification/ Resolution: Copy COC to Client? (Y) / N Field Data Required? Y / N

Person Contacted: ____ Date/Time: ____

Comments/ Resolution: Emailed Mark Harvey about mismatched folders AMW 4/10/12
Per Mark Harvey use bottle ID AMW 4/11/12

Project Manager Review: AMW Date: 4/12/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

June 25, 2012

Mr. Mark Harvey
Mile High Environmental
811 B West Apache
Farmington, NM 87401

RE: Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Dear Mr. Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory between June 16, 2012 and June 18, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heather M. Wilson

Heather Wilson

heather.wilson@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60123512001	151313JUN12	Water	06/13/12 15:13	06/16/12 08:45
60123512002	153113JUN12	Water	06/13/12 15:31	06/16/12 08:45
60123512003	155613JUN12	Water	06/13/12 15:56	06/16/12 08:45
60123512004	161413JUN12	Water	06/13/12 16:14	06/16/12 08:45
60123512005	163313JUN12	Water	06/13/12 16:33	06/16/12 08:45
60123512006	164713JUN12	Water	06/13/12 16:47	06/16/12 08:45
60123512007	171413JUN12	Water	06/13/12 17:14	06/16/12 08:45
60123512008	174413JUN12	Water	06/13/12 17:44	06/16/12 08:45
60123512009	175613JUN12	Water	06/13/12 17:56	06/16/12 08:45
60123512010	EDD	Water		06/18/12 10:24

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60123512001	**151313JUN12**	EPA 8260	RNS	9
60123512002	**153113JUN12**	EPA 8260	HNS	9
60123512003	**155613JUN12**	EPA 8260	HNS	9
60123512004	**161413JUN12**	EPA 8260	HNS	9
60123512005	**163313JUN12**	EPA 8260	JTK	9
60123512006	**164713JUN12**	EPA 8260	JTK	9
60123512007	**171413JUN12**	EPA 8260	JTK	9
60123512008	**174413JUN12**	EPA 8260	JTK	9
60123512009	**175613JUN12**	EPA 8260	JTK	9

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Sample: 151313JUN12 **Lab ID: 60123512001** Collected: 06/13/12 15:13 Received: 06/16/12 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**81.8**	ug/L	20.0	20		06/21/12 22:18	71-43-2	
Ethylbenzene	**966**	ug/L	20.0	20		06/21/12 22:18	100-41-4	
Toluene	**30.5**	ug/L	20.0	20		06/21/12 22:18	108-88-3	
Xylene (Total)	**4480**	ug/L	60.0	20		06/21/12 22:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	86-112	20		06/21/12 22:18	1868-53-7	
Toluene-d8 (S)	104	%	90-110	20		06/21/12 22:18	2037-26-5	
4-Bromofluorobenzene (S)	107	%	87-113	20		06/21/12 22:18	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	82-119	20		06/21/12 22:18	17060-07-0	
Preservation pH	**1.0**		1.0	20		06/21/12 22:18		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Sample: 153113JUN12 **Lab ID: 60123512002** Collected: 06/13/12 15:31 Received: 06/16/12 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		06/20/12 16:02	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/20/12 16:02	100-41-4	
Toluene	ND	ug/L	1.0	1		06/20/12 16:02	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/20/12 16:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%	86-112	1		06/20/12 16:02	1868-53-7	
Toluene-d8 (S)	92	%	90-110	1		06/20/12 16:02	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		06/20/12 16:02	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	82-119	1		06/20/12 16:02	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/20/12 16:02		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Sample: 155613JUN12 **Lab ID: 60123512003** Collected: 06/13/12 15:56 Received: 06/16/12 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**19.0**	ug/L	1.0	1		06/20/12 16:19	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/20/12 16:19	100-41-4	
Toluene	**4.4**	ug/L	1.0	1		06/20/12 16:19	108-88-3	
Xylene (Total)	**33.6**	ug/L	3.0	1		06/20/12 16:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	86-112	1		06/20/12 16:19	1868-53-7	
Toluene-d8 (S)	95	%	90-110	1		06/20/12 16:19	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-113	1		06/20/12 16:19	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	82-119	1		06/20/12 16:19	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/20/12 16:19		

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Sample: 161413JUN12 **Lab ID: 60123512004** Collected: 06/13/12 16:14 Received: 06/16/12 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**35.5**	ug/L	1.0	1		06/20/12 16:35	71-43-2	
Ethylbenzene	**4.5**	ug/L	1.0	1		06/20/12 16:35	100-41-4	
Toluene	ND	ug/L	1.0	1		06/20/12 16:35	108-88-3	
Xylene (Total)	**20.7**	ug/L	3.0	1		06/20/12 16:35	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%	86-112	1		06/20/12 16:35	1868-53-7	
Toluene-d8 (S)	95	%	90-110	1		06/20/12 16:35	2037-26-5	
4-Bromofluorobenzene (S)	106	%	87-113	1		06/20/12 16:35	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	82-119	1		06/20/12 16:35	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/20/12 16:35		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Sample: 163313JUN12 **Lab ID: 60123512005** Collected: 06/13/12 16:33 Received: 06/16/12 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**3.3**	ug/L	1.0	1		06/19/12 07:04	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 07:04	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 07:04	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 07:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	86-112	1		06/19/12 07:04	1868-53-7	
Toluene-d8 (S)	99	%	90-110	1		06/19/12 07:04	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		06/19/12 07:04	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	82-119	1		06/19/12 07:04	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 07:04		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Sample: 164713JUN12 **Lab ID: 60123512006** Collected: 06/13/12 16:47 Received: 06/16/12 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**1360**	ug/L	25.0	25		06/19/12 07:21	71-43-2	
Ethylbenzene	**501**	ug/L	25.0	25		06/19/12 07:21	100-41-4	
Toluene	**103**	ug/L	25.0	25		06/19/12 07:21	108-88-3	
Xylene (Total)	**981**	ug/L	75.0	25		06/19/12 07:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	86-112	25		06/19/12 07:21	1868-53-7	
Toluene-d8 (S)	105	%	90-110	25		06/19/12 07:21	2037-26-5	
4-Bromofluorobenzene (S)	106	%	87-113	25		06/19/12 07:21	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	82-119	25		06/19/12 07:21	17060-07-0	
Preservation pH	**1.0**		1.0	25		06/19/12 07:21		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Sample: 171413JUN12 **Lab ID: 60123512007** Collected: 06/13/12 17:14 Received: 06/16/12 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		06/19/12 07:38	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 07:38	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 07:38	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 07:38	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%	86-112	1		06/19/12 07:38	1868-53-7	
Toluene-d8 (S)	103	%	90-110	1		06/19/12 07:38	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		06/19/12 07:38	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	82-119	1		06/19/12 07:38	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 07:38		

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Sample: 174413JUN12 **Lab ID: 60123512008** Collected: 06/13/12 17:44 Received: 06/16/12 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**11200**	ug/L	100	100		06/19/12 20:11	71-43-2	
Ethylbenzene	**716**	ug/L	50.0	50		06/19/12 07:55	100-41-4	
Toluene	ND	ug/L	50.0	50		06/19/12 07:55	108-88-3	
Xylene (Total)	**6790**	ug/L	150	50		06/19/12 07:55	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	86-112	50		06/19/12 07:55	1868-53-7	
Toluene-d8 (S)	102	%	90-110	50		06/19/12 07:55	2037-26-5	
4-Bromofluorobenzene (S)	102	%	87-113	50		06/19/12 07:55	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	82-119	50		06/19/12 07:55	17060-07-0	
Preservation pH	**1.0**		1.0	50		06/19/12 07:55		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Sample: 175613JUN12 **Lab ID: 60123512009** Collected: 06/13/12 17:56 Received: 06/16/12 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		06/19/12 08:13	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 08:13	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 08:13	108-88-3	
Xylene (Total)	**3.7**	ug/L	3.0	1		06/19/12 08:13	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	86-112	1		06/19/12 08:13	1868-53-7	
Toluene-d8 (S)	100	%	90-110	1		06/19/12 08:13	2037-26-5	
4-Bromofluorobenzene (S)	105	%	87-113	1		06/19/12 08:13	460-00-4	
1,2-Dichloroethane-d4 (S)	95	%	82-119	1		06/19/12 08:13	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 08:13		

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

QC Batch: MSV/46450 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60123512002, 60123512003, 60123512004

METHOD BLANK: 1016008 Matrix: Water
Associated Lab Samples: 60123512002, 60123512003, 60123512004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/20/12 11:26	
Ethylbenzene	ug/L	ND	1.0	06/20/12 11:26	
Toluene	ug/L	ND	1.0	06/20/12 11:26	
Xylene (Total)	ug/L	ND	3.0	06/20/12 11:26	
1,2-Dichloroethane-d4 (S)	%	100	82-119	06/20/12 11:26	
4-Bromofluorobenzene (S)	%	104	87-113	06/20/12 11:26	
Dibromofluoromethane (S)	%	102	86-112	06/20/12 11:26	
Toluene-d8 (S)	%	93	90-110	06/20/12 11:26	

LABORATORY CONTROL SAMPLE: 1016009

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.4	102	82-117	
Ethylbenzene	ug/L	20	20.7	104	79-121	
Toluene	ug/L	20	19.8	99	80-120	
Xylene (Total)	ug/L	60	64.5	108	79-120	
1,2-Dichloroethane-d4 (S)	%			92	82-119	
4-Bromofluorobenzene (S)	%			101	87-113	
Dibromofluoromethane (S)	%			103	86-112	
Toluene-d8 (S)	%			94	90-110	

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

QC Batch: MSV/46452 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60123512005, 60123512006, 60123512007, 60123512008, 60123512009

METHOD BLANK: 1016022 Matrix: Water
Associated Lab Samples: 60123512005, 60123512006, 60123512007, 60123512008, 60123512009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/19/12 06:46	
Ethylbenzene	ug/L	ND	1.0	06/19/12 06:46	
Toluene	ug/L	ND	1.0	06/19/12 06:46	
Xylene (Total)	ug/L	ND	3.0	06/19/12 06:46	
1,2-Dichloroethane-d4 (S)	%	95	82-119	06/19/12 06:46	
4-Bromofluorobenzene (S)	%	103	87-113	06/19/12 06:46	
Dibromofluoromethane (S)	%	102	86-112	06/19/12 06:46	
Toluene-d8 (S)	%	103	90-110	06/19/12 06:46	

LABORATORY CONTROL SAMPLE: 1016023

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.7	93	82-117	
Ethylbenzene	ug/L	20	19.0	95	79-121	
Toluene	ug/L	20	19.6	98	80-120	
Xylene (Total)	ug/L	60	55.9	93	79-120	
1,2-Dichloroethane-d4 (S)	%			95	82-119	
4-Bromofluorobenzene (S)	%			103	87-113	
Dibromofluoromethane (S)	%			102	86-112	
Toluene-d8 (S)	%			104	90-110	

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

QC Batch: MSV/46486 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60123512008

METHOD BLANK: 1016544 Matrix: Water
Associated Lab Samples: 60123512008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/19/12 19:37	
1,2-Dichloroethane-d4 (S)	%	94	82-119	06/19/12 19:37	
4-Bromofluorobenzene (S)	%	104	87-113	06/19/12 19:37	
Dibromofluoromethane (S)	%	106	86-112	06/19/12 19:37	
Toluene-d8 (S)	%	103	90-110	06/19/12 19:37	

LABORATORY CONTROL SAMPLE: 1016545

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.6	93	82-117	
1,2-Dichloroethane-d4 (S)	%			90	82-119	
4-Bromofluorobenzene (S)	%			103	87-113	
Dibromofluoromethane (S)	%			102	86-112	
Toluene-d8 (S)	%			100	90-110	

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

QC Batch: MSV/46544
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60123512001

METHOD BLANK: 1017866 Matrix: Water
Associated Lab Samples: 60123512001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/21/12 21:48	
Ethylbenzene	ug/L	ND	1.0	06/21/12 21:48	
Toluene	ug/L	ND	1.0	06/21/12 21:48	
Xylene (Total)	ug/L	ND	3.0	06/21/12 21:48	
1,2-Dichloroethane-d4 (S)	%	103	82-119	06/21/12 21:48	
4-Bromofluorobenzene (S)	%	104	87-113	06/21/12 21:48	
Dibromofluoromethane (S)	%	104	86-112	06/21/12 21:48	
Toluene-d8 (S)	%	101	90-110	06/21/12 21:48	

LABORATORY CONTROL SAMPLE: 1017867

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.4	102	82-117	
Ethylbenzene	ug/L	20	20.1	100	79-121	
Toluene	ug/L	20	21.0	105	80-120	
Xylene (Total)	ug/L	60	59.5	99	79-120	
1,2-Dichloroethane-d4 (S)	%			95	82-119	
4-Bromofluorobenzene (S)	%			106	87-113	
Dibromofluoromethane (S)	%			100	86-112	
Toluene-d8 (S)	%			102	90-110	

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: MSV/46450

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/46452

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/46486

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/46544

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NM GW FLR40+PRTCHO+FLR47X
Pace Project No.: 60123512

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60123512001	**151313JUN12**	EPA 8260	MSV/46544		
60123512002	**153113JUN12**	EPA 8260	MSV/46450		
60123512003	**155613JUN12**	EPA 8260	MSV/46450		
60123512004	**161413JUN12**	EPA 8260	MSV/46450		
60123512005	**163313JUN12**	EPA 8260	MSV/46452		
60123512006	**164713JUN12**	EPA 8260	MSV/46452		
60123512007	**171413JUN12**	EPA 8260	MSV/46452		
60123512008	**174413JUN12**	EPA 8260	MSV/46452		
60123512008	**174413JUN12**	EPA 8260	MSV/46486		
60123512009	**175613JUN12**	EPA 8260	MSV/46452		

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1372650

Section A Required Client Information:

Company:	MILE HIGH SERVICES
Address:	811 B. WEST APACHE
	FARMINGTON, NM 87401
Email To:	
Phone: 505-326-5422	Fax:
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	MARK HARVEY
Copy To:	
Purchase Order No.:	
Project Name:	NM GW
Project Number:	FLR 40 + PATCH0 + FLR47X

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: FOR NM

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	151313 JUN 12 2DGRAB	WT	G			6-13	15:13		2				✓						✓		FLR40-AMB 001
2	153113 JUN 12	"	"			"	15:31		2				✓						✓		FLR40-MW4 002
3	155613 JUN 12	"	"			"	15:56		2				✓						✓		PATCH0 MW1 003
4	161413 JUN 12	"	"			"	16:14		2				✓						✓		PATCH0 MW-3 004
5	163313 JUN 12	"	"			"	16:33		2				✓						✓		PATCH0 MW-5 005
6	164713 JUN 12	"	"			"	16:47		2				✓						✓		~~FLR47X~~ MW-6 006
7	171413 JUN 12	"	"			"	17:14		2				✓						✓		FLR47X-MW-1 007
8	174413 JUN 12	"	"			"	17:44		2				✓						✓		FLR47X-MW-2 008
9	175613 JUN 12	"	"			"	17:56		2				✓						✓		FLR47X MW-4 009
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	MARK HARVEY / MILE HIGH	6-14-12	8:30a	FED-EX	6-14					
					6-16-12	845	11.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY

SIGNATURE of SAMPLER: M. Harvey DATE Signed (MM/DD/YY): 6-14-12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Sample Condition Upon Receipt

Pace Analytical www.pacelabs.com

Client Name: Mile High Services Project # 60123512

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #: 8001 2095 7033 Pace Shipping Label Used? ☐ Yes ☑ No

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☑ No

Optional
Proj. Due Date: 6/25
Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other

Thermometer Used: (T-193) / T-194 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature: 11.3

Temperature should be above freezing to 6°C

Date and Initials of person examining contents: 6-16-12 BA

Comments:

Chain of Custody present:	☑Yes ☐No ☐N/A	1. Out of temp, not enough ice.
Chain of Custody filled out:	☑Yes ☐No ☐N/A	2.
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	3.
Sampler name & signature on COC:	☑Yes ☐No ☐N/A	4.
Samples arrived within holding time:	☑Yes ☐No ☐N/A	5.
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	7.
Sufficient volume:	☑Yes ☐No ☐N/A	8.
Correct containers used:	☑Yes ☐No ☐N/A	9.
-Pace containers used:	☑Yes ☐No ☐N/A	
Containers intact:	☑Yes ☐No ☐N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐Yes ☐No ☑N/A	11.
Filtered volume received for dissolved tests	☐Yes ☐No ☑N/A	12.
Sample labels match COC:	☑Yes ☐No ☐N/A	13.
-Includes date/time/ID/analyses Matrix: WT		
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Exceptions: (VOA), coliform, TOC, O&G, WI-DRO (water), Phenolics	☑Yes ☐No	Initial when completed ____ Lot # of added preservative ____
Trip Blank present:	☐Yes ☑No ☐N/A	15.
Pace Trip Blank lot # (if purchased): ____		
Headspace in VOA vials (>6mm):	☐Yes ☑No ☐N/A	16.
Project sampled in USDA Regulated Area:	☐Yes ☐No ☑N/A	17. List State: ____

Client Notification/ Resolution: Copy COC to Client? (Y) / N Field Data Required? Y / N

Person Contacted: Mark Harvey Date/Time: 6/18/12

Comments/ Resolution: Emailed about cooler out of temp AMW 6/18/12

Per Mark Harvey analyze samples AMW 6/18/12

Project Manager Review: AMW Date: 6/18/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

October 10, 2012

Mr. Mark Harvey
Mile High Environmental
811 B West Apache
Farmington, NM 87401

RE: Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Dear Mr. Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory on October 04, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andy Brownfield

Andy Brownfield for
Heather Wilson
heather.wilson@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 12-019-0
Illinois Certification #: 002885
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-12-3
Utah Certification #: KS000212012-2

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60130506001	155327SEP12	Water	09/27/12 15:53	10/04/12 08:20
60130506002	160027SEP12	Water	09/27/12 16:00	10/04/12 08:20
60130506003	160627SEP12	Water	09/27/12 16:06	10/04/12 08:20
60130506004	162227SEP12	Water	09/27/12 16:22	10/04/12 08:20
60130506005	164127SEP12	Water	09/27/12 16:41	10/04/12 08:20
60130506006	123502OCT12	Water	10/02/12 12:35	10/04/12 08:20
60130506007	125602OCT12	Water	10/02/12 12:56	10/04/12 08:20

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60130506001	**155327SEP12**	EPA 8260	JTK	9
60130506002	**160027SEP12**	EPA 8260	JTK	9
60130506003	**160627SEP12**	EPA 8260	JTK	9
60130506004	**162227SEP12**	EPA 8260	JTK	9
60130506005	**164127SEP12**	EPA 8260	JTK	9
60130506006	**123502OCT12**	EPA 8260	JTK	9
60130506007	**125602OCT12**	EPA 8260	JTK	9

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Sample: 155327SEP12 **Lab ID: 60130506001** Collected: 09/27/12 15:53 Received: 10/04/12 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		10/06/12 09:22	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/06/12 09:22	100-41-4	
Toluene	ND	ug/L	1.0	1		10/06/12 09:22	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/06/12 09:22	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	80-120	1		10/06/12 09:22	1868-53-7	
Toluene-d8 (S)	104	%	80-120	1		10/06/12 09:22	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-120	1		10/06/12 09:22	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-120	1		10/06/12 09:22	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 09:22		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Sample: 160027SEP12 **Lab ID: 60130506002** Collected: 09/27/12 16:00 Received: 10/04/12 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		10/06/12 09:38	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/06/12 09:38	100-41-4	
Toluene	ND	ug/L	1.0	1		10/06/12 09:38	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/06/12 09:38	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	80-120	1		10/06/12 09:38	1868-53-7	
Toluene-d8 (S)	96	%	80-120	1		10/06/12 09:38	2037-26-5	
4-Bromofluorobenzene (S)	108	%	80-120	1		10/06/12 09:38	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-120	1		10/06/12 09:38	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 09:38		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Sample: 160627SEP12 **Lab ID: 60130506003** Collected: 09/27/12 16:06 Received: 10/04/12 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**11.7**	ug/L	5.0	5		10/06/12 09:53	71-43-2	
Ethylbenzene	**248**	ug/L	5.0	5		10/06/12 09:53	100-41-4	
Toluene	**12.0**	ug/L	5.0	5		10/06/12 09:53	108-88-3	
Xylene (Total)	**867**	ug/L	15.0	5		10/06/12 09:53	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	94	%	80-120	5		10/06/12 09:53	1868-53-7	
Toluene-d8 (S)	102	%	80-120	5		10/06/12 09:53	2037-26-5	
4-Bromofluorobenzene (S)	95	%	80-120	5		10/06/12 09:53	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-120	5		10/06/12 09:53	17060-07-0	
Preservation pH	**1.0**		1.0	5		10/06/12 09:53		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Sample: 162227SEP12 **Lab ID: 60130506004** Collected: 09/27/12 16:22 Received: 10/04/12 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**37.7**	ug/L	1.0	1		10/06/12 10:09	71-43-2	
Ethylbenzene	**2.5**	ug/L	1.0	1		10/06/12 10:09	100-41-4	
Toluene	**21.0**	ug/L	1.0	1		10/06/12 10:09	108-88-3	
Xylene (Total)	**11.8**	ug/L	3.0	1		10/06/12 10:09	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%	80-120	1		10/06/12 10:09	1868-53-7	
Toluene-d8 (S)	104	%	80-120	1		10/06/12 10:09	2037-26-5	
4-Bromofluorobenzene (S)	93	%	80-120	1		10/06/12 10:09	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-120	1		10/06/12 10:09	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 10:09		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Sample: 164127SEP12 **Lab ID: 60130506005** Collected: 09/27/12 16:41 Received: 10/04/12 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		10/06/12 10:24	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/06/12 10:24	100-41-4	
Toluene	ND	ug/L	1.0	1		10/06/12 10:24	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/06/12 10:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	80-120	1		10/06/12 10:24	1868-53-7	
Toluene-d8 (S)	102	%	80-120	1		10/06/12 10:24	2037-26-5	
4-Bromofluorobenzene (S)	95	%	80-120	1		10/06/12 10:24	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-120	1		10/06/12 10:24	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 10:24		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Sample: 123502OCT12 **Lab ID: 60130506006** Collected: 10/02/12 12:35 Received: 10/04/12 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**71.6**	ug/L	5.0	5		10/08/12 00:59	71-43-2	
Ethylbenzene	**881**	ug/L	5.0	5		10/08/12 00:59	100-41-4	
Toluene	ND	ug/L	5.0	5		10/08/12 00:59	108-88-3	
Xylene (Total)	**4320**	ug/L	15.0	5		10/08/12 00:59	1330-20-7	ES
Surrogates								
Dibromofluoromethane (S)	94	%	80-120	5		10/08/12 00:59	1868-53-7	P2
Toluene-d8 (S)	219	%	80-120	5		10/08/12 00:59	2037-26-5	S2
4-Bromofluorobenzene (S)	178	%	80-120	5		10/08/12 00:59	460-00-4	S2
1,2-Dichloroethane-d4 (S)	96	%	80-120	5		10/08/12 00:59	17060-07-0	
Preservation pH	**1.0**		1.0	5		10/08/12 00:59		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Sample: 125602OCT12 **Lab ID: 60130506007** Collected: 10/02/12 12:56 Received: 10/04/12 08:20 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	5		10/08/12 01:14	71-43-2	
Ethylbenzene	ND	ug/L	5.0	5		10/08/12 01:14	100-41-4	
Toluene	ND	ug/L	5.0	5		10/08/12 01:14	108-88-3	
Xylene (Total)	ND	ug/L	15.0	5		10/08/12 01:14	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	80-120	5		10/08/12 01:14	1868-53-7	D3
Toluene-d8 (S)	104	%	80-120	5		10/08/12 01:14	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-120	5		10/08/12 01:14	460-00-4	
1,2-Dichloroethane-d4 (S)	99	%	80-120	5		10/08/12 01:14	17060-07-0	
Preservation pH	**1.0**		1.0	5		10/08/12 01:14		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

QC Batch: MSV/49039 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60130506001, 60130506002, 60130506003, 60130506004, 60130506005

METHOD BLANK: 1074538 Matrix: Water
Associated Lab Samples: 60130506001, 60130506002, 60130506003, 60130506004, 60130506005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/06/12 07:04	
Ethylbenzene	ug/L	ND	1.0	10/06/12 07:04	
Toluene	ug/L	ND	1.0	10/06/12 07:04	
Xylene (Total)	ug/L	ND	3.0	10/06/12 07:04	
1,2-Dichloroethane-d4 (S)	%	97	80-120	10/06/12 07:04	
4-Bromofluorobenzene (S)	%	95	80-120	10/06/12 07:04	
Dibromofluoromethane (S)	%	99	80-120	10/06/12 07:04	
Toluene-d8 (S)	%	104	80-120	10/06/12 07:04	

LABORATORY CONTROL SAMPLE: 1074539

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	16.2	81	74-123	
Ethylbenzene	ug/L	20	17.6	88	76-123	
Toluene	ug/L	20	17.1	85	75-123	
Xylene (Total)	ug/L	60	54.3	91	76-123	
1,2-Dichloroethane-d4 (S)	%			96	80-120	
4-Bromofluorobenzene (S)	%			90	80-120	
Dibromofluoromethane (S)	%			96	80-120	
Toluene-d8 (S)	%			100	80-120	

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

QC Batch: MSV/49051 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60130506006, 60130506007

METHOD BLANK: 1075346 Matrix: Water
Associated Lab Samples: 60130506006, 60130506007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/08/12 00:12	
Ethylbenzene	ug/L	ND	1.0	10/08/12 00:12	
Toluene	ug/L	ND	1.0	10/08/12 00:12	
Xylene (Total)	ug/L	ND	3.0	10/08/12 00:12	
1,2-Dichloroethane-d4 (S)	%	100	80-120	10/08/12 00:12	
4-Bromofluorobenzene (S)	%	99	80-120	10/08/12 00:12	
Dibromofluoromethane (S)	%	101	80-120	10/08/12 00:12	
Toluene-d8 (S)	%	110	80-120	10/08/12 00:12	

LABORATORY CONTROL SAMPLE: 1075347

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	16.8	84	74-123	
Ethylbenzene	ug/L	20	17.9	89	76-123	
Toluene	ug/L	20	16.9	85	75-123	
Xylene (Total)	ug/L	60	56.2	94	76-123	
1,2-Dichloroethane-d4 (S)	%			99	80-120	
4-Bromofluorobenzene (S)	%			91	80-120	
Dibromofluoromethane (S)	%			98	80-120	
Toluene-d8 (S)	%			98	80-120	

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: MSV/49039

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: MSV/49051

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
ES	The reported result is estimated because one or more of the constituent results are qualified as such.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
S2	Surrogate recovery outside laboratory control limits due to matrix interferences (confirmed by similar results from sample re-analysis).

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NM GW DOGE & FLR40
Pace Project No.: 60130506

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60130506001	**155327SEP12**	EPA 8260	MSV/49039		
60130506002	**160027SEP12**	EPA 8260	MSV/49039		
60130506003	**160627SEP12**	EPA 8260	MSV/49039		
60130506004	**162227SEP12**	EPA 8260	MSV/49039		
60130506005	**164127SEP12**	EPA 8260	MSV/49039		
60130506006	**123502OCT12**	EPA 8260	MSV/49051		
60130506007	**125602OCT12**	EPA 8260	MSV/49051		

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

1564129

Section A Required Client Information:

Company: MILE HIGH
Address: 221 S. MAIN
AZTEC, NM
Email To:
Phone: 505-402-1958 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: M. HARVEY
Copy To:
Purchase Order No.:
Project Name: NM GW
Project Number: DOGE + FLR 40

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: NM

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	155327 SEP 12	WT	G			9-27	15:53		2				✓					✓	2 DGGH		DOGE-2 001
2	160027 SEP 12	"	"			"	16:00		2				✓					✓			SVE-4 002
3	160627 SEP 12	"	"			"	16:06		2				✓					✓			DOGE-3 003
4	162227 SEP 12	"	"			"	16:22		2				✓					✓			DOGE-7 004
5	164127 SEP 12	"	"			"	16:41		2				✓					✓			DOGE-9 005
6	123502 OCT 12	"	"			10-2	12:35		2				✓					✓			FLR40-AMO 006
7	125602 OCT 12	↓	↓			10-2	12:56		2				✓					✓			FLR40-4 007
8	(OCT)																				
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	M. HARVEY	10-3-12	10:30	FED-EX	10-3	10:30				
					10/4	0820	3.8	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY
SIGNATURE of SAMPLER: M. Harvey
DATE Signed (MM/DD/YY): 10-3-12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

ple pon Receipt

Pace Analytical
www.pacelabs.com

Client Name: Mile High Project # 60130504

Courier: [x] Fed Ex [ ] UPS [ ] USPS [ ] Client [ ] Commercial [ ] Pace [ ] Other ____
Tracking #: 9000928 4088 Pace Shipping Label Used? [ ] Yes [x] No

Optional
Proj. Due Date: 10/11/12
Proj. Name: NM Gw D... FLRad

Custody Seal on Cooler/Box Present: [x] Yes [ ] No Seals intact: [x] Yes [ ] No

Packing Material: [ ] Bubble Wrap [ ] Bubble Bags [x] Foam [ ] None [x] Other ZIP

Thermometer Used: T-193 / T-194 Type of Ice: (Wet) Blue None [ ] Samples on ice, cooling process has begun

Cooler Temperature: 3-8
Temperature should be above freezing to 6°C

Date and Initials of person examining contents: 10/6/12

		Comments:
Chain of Custody present:	[x]Yes [ ]No [ ]N/A	1.
Chain of Custody filled out:	[x]Yes [ ]No [ ]N/A	2.
Chain of Custody relinquished:	[x]Yes [ ]No [ ]N/A	3.
Sampler name & signature on COC:	[x]Yes [ ]No [ ]N/A	4.
Samples arrived within holding time:	[x]Yes [ ]No [ ]N/A	5.
Short Hold Time analyses (<72hr):	[ ]Yes [x]No [ ]N/A	6.
Rush Turn Around Time requested:	[ ]Yes [x]No [ ]N/A	7.
Sufficient volume:	[x]Yes [ ]No [ ]N/A	8.
Correct containers used:	[x]Yes [ ]No [ ]N/A	9.
-Pace containers used:	[x]Yes [ ]No [ ]N/A	
Containers intact:	[x]Yes [ ]No [ ]N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	[ ]Yes [ ]No [x]N/A	11.
Filtered volume received for dissolved tests	[ ]Yes [ ]No [x]N/A	12.
Sample labels match COC:	[x]Yes [ ]No [ ]N/A	13.
-Includes date/time/ID/analyses Matrix: WT		
All containers needing preservation have been checked.	[ ]Yes [ ]No [x]N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	[ ]Yes [ ]No [x]N/A	
Exceptions: (VOA) coliform, TOC, O&G, WI-DRO (water), Phenolics	[x]Yes [ ]No	Initial when completed ____ Lot # of added preservative ____
Trip Blank present:	[ ]Yes [x]No [ ]N/A	15.
Pace Trip Blank lot # (if purchased): ____		
Headspace in VOA vials (>6mm):	[ ]Yes [x]No [ ]N/A	16.
Project sampled in USDA Regulated Area:	[ ]Yes [ ]No [x]N/A	17. List State: ____

Client Notification/ Resolution: Copy COC to Client? (Y) / N Field Data Required? Y / N

Person Contacted: ____ Date/Time: ____

Comments/ Resolution: ____

Project Manager Review: CMW Date: 10/5/12

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

December 21, 2012

Mr. Mark Harvey
Mile High Environmental
811 B West Apache
Farmington, NM 87401

RE: Project: NM GW
Pace Project No.: 60135460

Dear Mr. Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory on December 14, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heather M. Wilson

Heather Wilson

heather.wilson@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

CERTIFICATIONS

Project: NM GW
Pace Project No.: 60135460

Kansas Certification IDs
9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 12-019-0
Illinois Certification #: 002885
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-12-3
Utah Certification #: KS000212012-2

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE SUMMARY

Project: NM GW
Pace Project No.: 60135460

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60135460001	EDD	Water	12/07/12 14:42	12/14/12 08:30
60135460002	144207DEC12	Water	12/07/12 14:42	12/14/12 08:30
60135460003	144607DEC12	Water	12/07/12 14:46	12/14/12 08:30
60135460004	145107DEC12	Water	12/07/12 14:51	12/14/12 08:30
60135460005	150107DEC12	Water	12/07/12 15:01	12/14/12 08:30
60135460006	150607DEC12	Water	12/07/12 15:06	12/14/12 08:30
60135460007	151907DEC12	Water	12/07/12 15:19	12/14/12 08:30
60135460008	125106DEC12	Water	12/06/12 12:51	12/14/12 08:30
60135460009	130306DEC12	Water	12/06/12 13:03	12/14/12 08:30
60135460010	132506DEC12	Water	12/06/12 13:25	12/14/12 08:30
60135460011	134806DEC12	Water	12/06/12 13:48	12/14/12 08:30
60135460012	135706DEC12	Water	12/06/12 13:57	12/14/12 08:30
60135460013	141906DEC12	Water	12/06/12 14:19	12/14/12 08:30

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

SAMPLE ANALYTE COUNT

Project: NM GW
Pace Project No.: 60135460

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60135460002	144207DEC12	EPA 8260	RNS	9
60135460003	144607DEC12	EPA 8260	RNS	9
60135460004	145107DEC12	EPA 8260	RNS	9
60135460005	150107DEC12	EPA 8260	RNS	9
60135460006	150607DEC12	EPA 8260	RNS	9
60135460007	151907DEC12	EPA 8260	RNS	9
60135460008	125106DEC12	EPA 8260	RNS	9
60135460009	130306DEC12	EPA 8260	RNS	9
60135460010	132506DEC12	EPA 8260	RNS	9
60135460011	134806DEC12	EPA 8260	RNS	9
60135460012	135706DEC12	EPA 8260	RNS	9
60135460013	141906DEC12	EPA 8260	RNS	9

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 144207DEC12 **Lab ID: 60135460002** Collected: 12/07/12 14:42 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		12/20/12 13:47	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/12 13:47	100-41-4	
Toluene	ND	ug/L	1.0	1		12/20/12 13:47	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/20/12 13:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	80-120	1		12/20/12 13:47	1868-53-7	
Toluene-d8 (S)	99	%	80-120	1		12/20/12 13:47	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-120	1		12/20/12 13:47	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-120	1		12/20/12 13:47	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 13:47		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 144607DEC12 **Lab ID: 60135460003** Collected: 12/07/12 14:46 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		12/20/12 14:02	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/12 14:02	100-41-4	
Toluene	ND	ug/L	1.0	1		12/20/12 14:02	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/20/12 14:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%	80-120	1		12/20/12 14:02	1868-53-7	
Toluene-d8 (S)	99	%	80-120	1		12/20/12 14:02	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	1		12/20/12 14:02	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-120	1		12/20/12 14:02	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 14:02		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 145107DEC12 **Lab ID: 60135460004** Collected: 12/07/12 14:51 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**11.4**	ug/L	10.0	10		12/20/12 14:17	71-43-2	
Ethylbenzene	**403**	ug/L	10.0	10		12/20/12 14:17	100-41-4	
Toluene	**16.4**	ug/L	10.0	10		12/20/12 14:17	108-88-3	
Xylene (Total)	**1250**	ug/L	30.0	10		12/20/12 14:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%	80-120	10		12/20/12 14:17	1868-53-7	
Toluene-d8 (S)	100	%	80-120	10		12/20/12 14:17	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-120	10		12/20/12 14:17	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-120	10		12/20/12 14:17	17060-07-0	
Preservation pH	**1.0**		1.0	10		12/20/12 14:17		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 150107DEC12 **Lab ID: 60135460005** Collected: 12/07/12 15:01 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		12/20/12 14:32	71-43-2	
Ethylbenzene	**14.2**	ug/L	1.0	1		12/20/12 14:32	100-41-4	
Toluene	**1.3**	ug/L	1.0	1		12/20/12 14:32	108-88-3	
Xylene (Total)	**49.7**	ug/L	3.0	1		12/20/12 14:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	80-120	1		12/20/12 14:32	1868-53-7	
Toluene-d8 (S)	101	%	80-120	1		12/20/12 14:32	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	1		12/20/12 14:32	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-120	1		12/20/12 14:32	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 14:32		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 150607DEC12 **Lab ID: 60135460006** Collected: 12/07/12 15:06 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**64.0**	ug/L	1.0	1		12/20/12 14:47	71-43-2	
Ethylbenzene	**3.4**	ug/L	1.0	1		12/20/12 14:47	100-41-4	
Toluene	**12.6**	ug/L	1.0	1		12/20/12 14:47	108-88-3	
Xylene (Total)	**18.2**	ug/L	3.0	1		12/20/12 14:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%	80-120	1		12/20/12 14:47	1868-53-7	
Toluene-d8 (S)	100	%	80-120	1		12/20/12 14:47	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	1		12/20/12 14:47	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-120	1		12/20/12 14:47	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 14:47		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 151907DEC12 **Lab ID: 60135460007** Collected: 12/07/12 15:19 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		12/20/12 15:02	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/12 15:02	100-41-4	
Toluene	ND	ug/L	1.0	1		12/20/12 15:02	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/20/12 15:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	1		12/20/12 15:02	1868-53-7	
Toluene-d8 (S)	101	%	80-120	1		12/20/12 15:02	2037-26-5	
4-Bromofluorobenzene (S)	104	%	80-120	1		12/20/12 15:02	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-120	1		12/20/12 15:02	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 15:02		

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 125106DEC12 **Lab ID: 60135460008** Collected: 12/06/12 12:51 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**80.4**	ug/L	5.0	5		12/20/12 15:47	71-43-2	
Ethylbenzene	**952**	ug/L	5.0	5		12/20/12 15:47	100-41-4	
Toluene	ND	ug/L	5.0	5		12/20/12 15:47	108-88-3	
Xylene (Total)	**3730**	ug/L	150	50		12/20/12 11:17	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	5		12/20/12 15:47	1868-53-7	
Toluene-d8 (S)	106	%	80-120	5		12/20/12 15:47	2037-26-5	
4-Bromofluorobenzene (S)	110	%	80-120	5		12/20/12 15:47	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-120	5		12/20/12 15:47	17060-07-0	
Preservation pH	**1.0**		1.0	5		12/20/12 15:47		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 130306DEC12 **Lab ID: 60135460009** Collected: 12/06/12 13:03 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**1670**	ug/L	10.0	10		12/20/12 16:02	71-43-2	
Ethylbenzene	**1300**	ug/L	10.0	10		12/20/12 16:02	100-41-4	
Toluene	ND	ug/L	10.0	10		12/20/12 16:02	108-88-3	
Xylene (Total)	**995**	ug/L	30.0	10		12/20/12 16:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	10		12/20/12 16:02	1868-53-7	
Toluene-d8 (S)	99	%	80-120	10		12/20/12 16:02	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-120	10		12/20/12 16:02	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-120	10		12/20/12 16:02	17060-07-0	
Preservation pH	**1.0**		1.0	10		12/20/12 16:02		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 132506DEC12 **Lab ID: 60135460010** Collected: 12/06/12 13:25 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		12/20/12 11:48	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/12 11:48	100-41-4	
Toluene	ND	ug/L	1.0	1		12/20/12 11:48	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/20/12 11:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%	80-120	1		12/20/12 11:48	1868-53-7	
Toluene-d8 (S)	105	%	80-120	1		12/20/12 11:48	2037-26-5	
4-Bromofluorobenzene (S)	104	%	80-120	1		12/20/12 11:48	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-120	1		12/20/12 11:48	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 11:48		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 134806DEC12 **Lab ID: 60135460011** Collected: 12/06/12 13:48 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**22.0**	ug/L	1.0	1		12/20/12 12:03	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/12 12:03	100-41-4	
Toluene	**6.4**	ug/L	1.0	1		12/20/12 12:03	108-88-3	
Xylene (Total)	**52.2**	ug/L	3.0	1		12/20/12 12:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%	80-120	1		12/20/12 12:03	1868-53-7	
Toluene-d8 (S)	98	%	80-120	1		12/20/12 12:03	2037-26-5	
4-Bromofluorobenzene (S)	104	%	80-120	1		12/20/12 12:03	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-120	1		12/20/12 12:03	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 12:03		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 135706DEC12 **Lab ID: 60135460012** Collected: 12/06/12 13:57 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**35.4**	ug/L	1.0	1		12/20/12 12:18	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/12 12:18	100-41-4	
Toluene	**2.7**	ug/L	1.0	1		12/20/12 12:18	108-88-3	
Xylene (Total)	**30.6**	ug/L	3.0	1		12/20/12 12:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	80-120	1		12/20/12 12:18	1868-53-7	
Toluene-d8 (S)	101	%	80-120	1		12/20/12 12:18	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	1		12/20/12 12:18	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-120	1		12/20/12 12:18	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 12:18		

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

Sample: 141906DEC12 **Lab ID: 60135460013** Collected: 12/06/12 14:19 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**768**	ug/L	10.0	10		12/20/12 16:17	71-43-2	
Ethylbenzene	**299**	ug/L	5.0	5		12/20/12 12:33	100-41-4	
Toluene	**8.4**	ug/L	5.0	5		12/20/12 12:33	108-88-3	
Xylene (Total)	**427**	ug/L	15.0	5		12/20/12 12:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%	80-120	5		12/20/12 12:33	1868-53-7	
Toluene-d8 (S)	104	%	80-120	5		12/20/12 12:33	2037-26-5	
4-Bromofluorobenzene (S)	106	%	80-120	5		12/20/12 12:33	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-120	5		12/20/12 12:33	17060-07-0	
Preservation pH	**1.0**		1.0	5		12/20/12 12:33		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA

Project: NM GW
Pace Project No.: 60135460

QC Batch: MSV/50893 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60135460002, 60135460003, 60135460004, 60135460005, 60135460006, 60135460007, 60135460008, 60135460009, 60135460010, 60135460011, 60135460012, 60135460013

METHOD BLANK: 1116780 Matrix: Water
Associated Lab Samples: 60135460002, 60135460003, 60135460004, 60135460005, 60135460006, 60135460007, 60135460008, 60135460009, 60135460010, 60135460011, 60135460012, 60135460013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	12/20/12 10:32	
Ethylbenzene	ug/L	ND	1.0	12/20/12 10:32	
Toluene	ug/L	ND	1.0	12/20/12 10:32	
Xylene (Total)	ug/L	ND	3.0	12/20/12 10:32	
1,2-Dichloroethane-d4 (S)	%	101	80-120	12/20/12 10:32	
4-Bromofluorobenzene (S)	%	101	80-120	12/20/12 10:32	
Dibromofluoromethane (S)	%	98	80-120	12/20/12 10:32	
Toluene-d8 (S)	%	100	80-120	12/20/12 10:32	

LABORATORY CONTROL SAMPLE: 1116781

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.2	101	74-123	
Ethylbenzene	ug/L	20	20.5	103	76-123	
Toluene	ug/L	20	19.7	99	75-123	
Xylene (Total)	ug/L	60	58.8	98	76-123	
1,2-Dichloroethane-d4 (S)	%			106	80-120	
4-Bromofluorobenzene (S)	%			104	80-120	
Dibromofluoromethane (S)	%			100	80-120	
Toluene-d8 (S)	%			100	80-120	

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALIFIERS

Project: NM GW
Pace Project No.: 60135460

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: MSV/50893

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NM GW
Pace Project No.: 60135460

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60135460002	**144207DEC12**	EPA 8260	MSV/50893		
60135460003	**144607DEC12**	EPA 8260	MSV/50893		
60135460004	**145107DEC12**	EPA 8260	MSV/50893		
60135460005	**150107DEC12**	EPA 8260	MSV/50893		
60135460006	**150607DEC12**	EPA 8260	MSV/50893		
60135460007	**151907DEC12**	EPA 8260	MSV/50893		
60135460008	**125106DEC12**	EPA 8260	MSV/50893		
60135460009	**130306DEC12**	EPA 8260	MSV/50893		
60135460010	**132506DEC12**	EPA 8260	MSV/50893		
60135460011	**134806DEC12**	EPA 8260	MSV/50893		
60135460012	**135706DEC12**	EPA 8260	MSV/50893		
60135460013	**141906DEC12**	EPA 8260	MSV/50893		

Pace Analytical
www.pacelabs.com

[redacted]

WO# : 60135460

60135460

Client Name: Mile High

Courier: Fed Ex ☑ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other ☐

Tracking #: 8022 4483 7980 Pace Shipping Label Used? Yes ☐ No ☒

Custody Seal on Cooler/Box Present: Yes ☒ No ☐ Seals intact: Yes ☒ No ☐

Packing Material: Bubble Wrap ☒ Bubble Bags ☐ Foam ☐ None ☐ Other ☐

Thermometer Used: T-191 / T-194 Type of Ice: (Wet) Blue None ☐ Samples received on ice, cooling process has begun.
(circle one)

Cooler Temperature: 1.1

Temperature should be above freezing to 6°C

Optional	
Proj Due Date:	12/21
Proj Name:	

Date and initials of person examining contents: JP 12/14/12 tho

Chain of Custody present:	☑Yes ☐No ☐N/A	1.
Chain of Custody filled out:	☑Yes ☐No ☐N/A	2.
Chain of Custody relinquished:	☑Yes ☐No ☐N/A	3.
Sampler name & signature on COC:	☑Yes ☐No ☐N/A	4.
Samples arrived within holding time:	☑Yes ☐No ☐N/A	5.
Short Hold Time analyses (<72hr):	☐Yes ☑No ☐N/A	6.
Rush Turn Around Time requested:	☐Yes ☑No ☐N/A	7.
Sufficient volume:	☑Yes ☐No ☐N/A	8.
Correct containers used:	☑Yes ☐No ☐N/A	
Pace containers used:	☑Yes ☐No ☐N/A	9.
Containers intact:	☑Yes ☐No ☐N/A	10.
Unpreserved 5035A soils frozen w/in 48hrs?	☐Yes ☐No ☑N/A	11.
Filtered volume received for dissolved tests?	☐Yes ☐No ☑N/A	12.
Sample labels match COC:	☑Yes ☐No ☐N/A	
Includes date/time/ID/analyses Matrix: water		13.
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	14.
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	☑Yes ☐No	Initial when completed: MH / Lot # of added preservative:
Trip Blank present:	☐Yes ☑No ☐N/A	
Pace Trip Blank lot # (if purchased): MH		15.
Headspace in VOA vials (>6mm):	☐Yes ☑No ☐N/A	16.
Project sampled in USDA Regulated Area:	☐Yes ☐No ☑N/A	17. List State:

Client Notification/ Resolution: Copy COC to Client? Y / (N) Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AAF for thm w Date: 12/14/12

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT All relevant fields must be completed accurately.

Page: 1 of 1

1564133

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: MILE HIGH	Report To: M. HARVEY	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: 505-402-1958 Fax:	Project Name: NM GW	Pace Project Manager:
Requested Due Date/TAT:	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NM

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	144207 DEC 12	WT	G			12-07	14:42		2				✓					✓	✓		DOGE-1
2	144607 DEC 12	"	"			"	14:46		2				✓					✓			DOGE-2
3	145107 DEC 12					"	14:51		2				✓					✓			DOGE-3
4	150107 DEC 12					"	15:01		2				✓					✓			DOGE-5
5	150607 DEC 12					"	15:06		2				✓					✓			DOGE-7
6	151907 DEC 12					"	15:19		2				✓					✓			DOGE-9
7	125106 DEC 12					12-06	12:51		2				✓					✓			FIELD-AMB
8	130306 DEC 12					"	13:03		2				✓					✓			FIELD-1
9	132506 DEC 12					"	13:25		2				✓					✓			FIELD-4
10	134806 DEC 12					"	13:48		2				✓					✓			PATCHD-1
11	135706 DEC 12					"	13:57		2				✓					✓			PATCHD-5
12	141906 DEC 12	✓	✓			"	14:19		2				✓					✓			PATCHD-6

Requested Analysis Filtered (Y/N)

2(DUP)

60135460

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	M. HARVEY / MILE HIGH	12-13-12	4:00	FED-EX						
				[signature]	12/14/12	830	1.1	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 12-13-12

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 07, 2013

Julie Linn

LTE
2243 Main Ave Suite 3
Durango, CO 81301
TEL: (970) 385-1096
FAX:

RE: Florance #40 OrderNo.: 1303038

Dear Julie Linn:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/2/2013 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 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,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **1303038**
Date Reported: **3/7/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE
Client Sample ID: AMOCO
Project: Florance #40
Collection Date: 2/28/2013 10:53:00 AM
Lab ID: 1303038-001
Matrix: AQUEOUS
Received Date: 3/2/2013 12:00:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	60	50		µg/L	50	3/5/2013 1:32:39 PM
Toluene	ND	50		µg/L	50	3/5/2013 1:32:39 PM
Ethylbenzene	650	50		µg/L	50	3/5/2013 1:32:39 PM
Xylenes, Total	4200	100		µg/L	50	3/5/2013 1:32:39 PM
Surr: 4-Bromofluorobenzene	106	69.7-152		%REC	50	3/5/2013 1:32:39 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
P	Sample pH greater than 2	R	RPD outside accepted recovery limits
RL	Reporting Detection Limit	S	Spike Recovery outside accepted recovery limits

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1303038**

07-Mar-13

Client: LTE

Project: Florance #40

Sample ID: **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R8955**	RunNo: **8955**
Prep Date:	Analysis Date: **3/4/2013**	SeqNo: **255896** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	19		20.00		93.9	69.7	152			

Sample ID: **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R8955**	RunNo: **8955**
Prep Date:	Analysis Date: **3/4/2013**	SeqNo: **255897** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	21		20.00		103	69.7	152			

Sample ID: **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R8983**	RunNo: **8983**
Prep Date:	Analysis Date: **3/5/2013**	SeqNo: **256581** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	19		20.00		93.8	69.7	152			

Sample ID: **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R8983**	RunNo: **8983**
Prep Date:	Analysis Date: **3/5/2013**	SeqNo: **256582** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	105	80	120			
Toluene	21	1.0	20.00	0	107	80	120			
Ethylbenzene	21	1.0	20.00	0	107	80	120			
Xylenes, Total	66	2.0	60.00	0	109	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		104	69.7	152			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- 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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: LTE Work Order Number: 1303038

Received by/date: AF 03/02/13

Logged By: **Lindsay Mangin** 3/2/2013 12:00:00 PM

Completed By: **Lindsay Mangin** 3/4/2013 9:08:16 AM

Reviewed By: IO 03/04/2013

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 ☐
14. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
15. Is it clear what analyses were requested? Yes ☑ No ☐
16. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

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:

-002A - ONE VOA HAS SOME HEAD SPACE.

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.9	Good	Yes			

Chain-of-Custody Record

Client: LT Environmental

Mailing Address: 2243 Main Ave S.3
Durango CO 81301

Phone #: 970.385.1096

email or Fax#: jlinn@ltenv.com

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Florance #40

Project #: [illegible]

Project Manager: Julie Linn

Sampler: Brooke Herb

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.9

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. 1303038	BTEX + ~~MTBE~~ + TMBs (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	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)
2/28/13	10:53	GW	AMOCO	VOA/3	cool	-001	X															

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/1/13	16:10	[signature]	[signature] Christine Walters	3/1/13	1610
3/1/13	1715	Christine Walters	[signature]	3/2/13	1100

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.

APPENDIX B
MARCH 2013 FIELD NOTES

Water Sample Collection Form

Sample Location	Florance #40	Client	Williams Field Services, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-1	Sampler	Brooke Herb
Analyses	NA		
Matrix	NA	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	45.92	TD of Well	NM
Time	10:10	Depth to Product	45.9

Vol. of H2O to purge

*(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols*

Method of Purging NA

Method of Sampling NA

Time	Vol. Removed (gal.)	Total Vol H2O removed (gal.)	pH (std. units)	Temp. (C)	Conductivity (us or ms)	Comments

Comments: No sample was collected due to the presence of product.
Product recovery sock present in well; 100% saturated with product; black.
Sock returned to well after gauging.

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 2/28/2013

Water Sample Collection Form

Sample Location	Florance #40	Client	Williams Field Services, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-3	Sampler	Brooke Herb
Analyses	NA		
Matrix	NA	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	DRY	TD of Well	38.2 *
Time	9:00	Depth to Product	NA

Vol. of H2O to purge

*(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols*

Method of Purging NA

Method of Sampling NA

Time	Vol. Removed (gal.)	Total Vol H2O removed (gal.)	pH (std. units)	Temp. (C)	Conductivity (us or ms)	Comments

Comments: PVC inside metal casing is broken. TOC is no longer accurate. * TD taken from ground surface. Oil-water interface probe has small amount of black soil with HC odor on it. Metal stick up is 2.25 feet.

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 2/28/2013

Water Sample Collection Form

Sample Location	Florance #40	Client	Williams Field Services, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-4	Sampler	Brooke Herb
Analyses	NA		
Matrix	NA	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	46.61	TD of Well	NM
Time	9:17	Depth to Product	46.59

Vol. of H2O to purge

*(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols*

Method of Purging NA

Method of Sampling NA

Time	Vol. Removed (gal.)	Total Vol H2O removed (gal.)	pH (std. units)	Temp. (C)	Conductivity (us or ms)	Comments

Comments: No sample was collected due to the presence of product.

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 2/28/2013

Water Sample Collection Form

Sample Location	Florance #40	Client	Williams Field Services, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-5	Sampler	Brooke Herb
Analyses	NA		
Matrix	NA	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	52.16	TD of Well	52.25
Time	9:45	Depth to Product	NA

Vol. of H2O to purge _____

*(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols*

Method of Purging NA

Method of Sampling NA

Time	Vol. Removed (gal.)	Total Vol H2O removed (gal.)	pH (std. units)	Temp. (C)	Conductivity (us or ms)	Comments

Comments: Slight hydrocarbon odor on probe. Tried to collect grab sample, not enough water. PVC has been broken on the top; however the side with the mark on it is still in place. TOC should still be accurate.

Describe Deviations from SOP: _____

Signature: Brooke Herb **Date:** 2/28/2013

Water Sample Collection Form

Sample Location	Florance #40	Client	Williams Field Services, LLC
Sample Date	3/6/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-6	Sampler	Brooke Herb
Analyses	NA		
Matrix	NA	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	DRY	TD of Well	44.36
Time	7:15	Depth to Product	NA

Vol. of H2O to purge

*(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols*

Method of Purging NA

Method of Sampling NA

Time	Vol. Removed (gal.)	Total Vol H2O removed (gal.)	pH (std. units)	Temp. (C)	Conductivity (us or ms)	Comments

Comments: Saturated soil at 44.36 feet bgs. Oil-water interface probe has small amount of black soil with HC odor on it.

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 3/6/2013

Water Sample Collection Form

Sample Location	Florance #40	Client	Williams Field Services, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-7	Sampler	Brooke Herb
Analyses	NA		
Matrix	NA	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	DRY	TD of Well	36.60
Time	9:28	Depth to Product	NA

Vol. of H2O to purge

*(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols*

Method of Purging NA

Method of Sampling NA

Time	Vol. Removed (gal.)	Total Vol H2O removed (gal.)	pH (std. units)	Temp. (C)	Conductivity (us or ms)	Comments

Comments: Saturated soil at 36.60 feet bgs. Tried to collect groundwater, no water in bailer.

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 2/28/2013

Water Sample Collection Form

Sample Location	Florance #40	Client	Williams Field Services, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	10:53	Project #	034013001
Sample ID	Amoco Well	Sampler	Brooke Herb
Analyses	BTEX 8021		
Matrix	Groundwater	Laboratory	Hall Environmental
Turn Around Time	Standard	Shipping Method	Hand delivery
Depth to Water	61.27	TD of Well	62.65
Time	10:35	Depth to Product	NA

Vol. of H2O to purge 1.38 * 0.1631= 0.22 *3= 0.66

*(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols*

Method of Purging PVC Bailer

Method of Sampling PVC Bailer

Time	Vol. Removed (gal.)	Total Vol H2O removed (gal.)	pH (std. units)	Temp. (C)	Conductivity (us or ms)	Comments
10:35	0.15	0.15	6.95	16.2	1.93	Black, sheen, strong Hydrocarbon odor
10:40	0.10	0.25	7.02	16.3	2.17	No Change
						Bailed Dry

Comments:

Describe Deviations from SOP: Did not bail 3 casing volumes. Well bailed dry.

Signature: Brooke Herb **Date:** 2/28/2013