3R - 311

2012 AGWMR

04 / 10 / 2013

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

DAVIS #1
ADMINISTRATIVE/ENVIRONMENTAL ORDER NUMBER 3RP-311-0

APRIL 2013

Prepared for:

WILLIAMS FIELD SERVICES, LLC
TULSA, OKLAHOMA

2012 ANNUAL GROUNDWATER REPORT

DAVIS #1
ADMINISTRATIVE/ENVIRONMENTAL ORDER NUMBER
3RP-311-0

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 Davis #1 (Administrative/Environmental Order Number 3RP-311-0) 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 a release from a former dehydrator pit. Williams Field Services, LLC (Williams) conducted groundwater monitoring activities at the Site between April 2012 and December 2012. In January 2013, LT Environmental Inc., (LTE) was retained by Williams 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 from February 2013 indicate the groundwater flow is to the west/northwest. Groundwater monitoring well MW-3 was not sampled between April 2012 and February 2013; it was observed to have been destroyed during the February 2013 site visit. Groundwater monitoring well MW-3 was located cross-gradient from the source area Williams is responsible for; free-phase hydrocarbons had previously been observed in MW-3 between September 1999 and some time prior to March 2010. Groundwater monitoring well MW-5 was not sampled in April 2012, June 2012, or October 2012; however, the monitoring well contained BTEX in excess of the NMWQCC standards in December 2012. In February 2013, groundwater monitoring well MW-5 was not sampled due to the presence of 2.25 feet of free-phase hydrocarbons. BTEX in the three downgradient groundwater monitoring wells MW-4, MW-6, and MW-7 and upgradient groundwater monitoring well MW-1 were compliant with the NMWQCC standards between April 2012 and February 2013. Groundwater monitoring well MW-2 was not sampled between April 2012 and February 2013; during the February 2013 monitoring event, MW-2 did not have sufficient water volume for sampling.

Williams proposes to cease collection of groundwater samples from groundwater monitoring wells MW-1 and MW-4 since these wells have either been compliant with NMWQCC standards for at least eight consecutive quarters or have demonstrated long-term results compliant with NMWQCC standards; Williams will cease monitoring MW-3 since it has been destroyed and is located cross-gradient of the Williams source area. Williams intends to plug and abandon groundwater monitoring well MW-2 and replace it with MW-2R and consider installation of an additional groundwater monitoring well to the south of the source area once groundwater flow direction is confirmed. Williams will continue to collect groundwater samples from MW-2R, MW-5, MW-6, and MW-7, when possible, in addition to recovering free-phase hydrocarbons from MW-5.

1.0 INTRODUCTION

LT Environmental, Inc. (LTE) on behalf of Williams Field Services, LLC (Williams) has prepared this report detailing groundwater monitoring activities completed from April 2012 through February 2013 at the Davis #1 (Administrative/Environmental Order Number 3RP-311-0) natural gas well (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 earthen dehydrator pit. From April 2012 through December 2012, Williams conducted groundwater sampling and product recovery. 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 36.915721 and longitude -108.070642 in Unit E, Section 11, Township 31 North, Range 12 West. The Site is in the Farmington Glade area of the San Juan Basin in San Juan County, New Mexico.

1.2 HISTORY

The source of impacted groundwater is a former earthen dehydrator pit. Williams removed 192 cubic yards of impacted soil in May 1998. It appears residual hydrocarbon impacted soil was left in place at the Site at a depth of 16 feet below ground surface (bgs); a soil sample from the bottom of the excavation at 16 feet bgs contained 61.8 milligrams per kilogram (mg/kg) toluene, ethylbenzene, and total xylenes and 59 mg/kg diesel range organics (DRO). Soil boring data indicate the impacted soil extends to approximately 55 feet bgs. Between February 1999 and August 1999, monitoring wells MW-1 through MW-7 were installed. Groundwater monitoring well MW-2 was installed in the source area (Figure 2).

Between September 1999 and December 2012, Williams monitored groundwater at the Site. Groundwater monitoring wells MW-2, MW-3, and MW-5 have all contained free-phase hydrocarbons at some time between September 1999 and December 2012, and free-phase hydrocarbons were recovered from groundwater monitoring well MW-2 between 2008 and 2012. Records regarding these activities can be found in previous groundwater reports submitted to the New Mexico Oil Conservation Division (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 benzene, toluene, ethylbenzene, and total xylene (BTEX).

2.0 METHODOLOGY

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 January 2012 through December 2012 monitoring events. The first quarter 2013 monitoring event was conducted by LTE; the methodology used by LTE is discussed in this 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.

Tubing was discovered in groundwater monitoring well MW-5; it was removed and discarded.

2.3 GROUNDWATER CONTOUR MAPS

LTE used existing top of casing well elevations and groundwater elevations 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 obtained and observations of physical characteristics at the Site (topography, proximity to irrigation ditches, etc.).

3.0 RESULTS

Depth to groundwater data during the February 2013 monitoring event is summarized on Table 2. Groundwater flow direction was determined to be to the west/northwest (Figure 2).

Concentrations of BTEX in groundwater monitoring wells MW-1, MW-4, MW-6, and MW-7 were below their respective laboratory-reported detection limits and were compliant with the NMWQCC groundwater standards during all sampling events. Monitoring well MW-2 was not sampled during 2012 and was not sampled in February 2013 due to insufficient groundwater in the well. The surface completion of MW-2 is deformed, making it impossible to secure with a padlock. Groundwater monitoring well MW-3 has been destroyed and cannot be sampled. In December 2012, groundwater from monitoring well MW-5 contained BTEX exceeding the NMWQCC groundwater standards. Groundwater monitoring well MW-5 was not sampled in February 2013 due to the presence of 2.25 feet of free-phase hydrocarbons in the well. The polyvinyl chloride casing of monitoring well MW-5 was loose within the metal surface completion. Table 3 summarizes the groundwater analytical results and copies of the laboratory reports can be found in Appendix A.

4.0 CONCLUSIONS

Impacts to groundwater in the source area at monitoring well MW-2 are currently unknown due to insufficient water in the monitoring well. Elevated concentrations of BTEX and the presence of free-phase hydrocarbons persist in groundwater monitoring well MW-5, downgradient of the source area. BTEX in the three downgradient groundwater monitoring wells (MW-4, MW-6, and MW-7) and the upgradient groundwater monitoring well (MW-1) remain compliant with NMWQCC standards. Groundwater monitoring well MW-3 has been destroyed. Due to the presence of free-phase hydrocarbons in the past, its location cross gradient from the Williams' source area (MW-2) and downgradient from the producer's condensate tank(s); it is likely any impacts to groundwater in groundwater monitoring well MW-3 are not the responsibility of Williams. Williams does not intend to replace groundwater monitoring well MW-3 nor does Williams intend to continue groundwater monitoring in the area of MW-3.

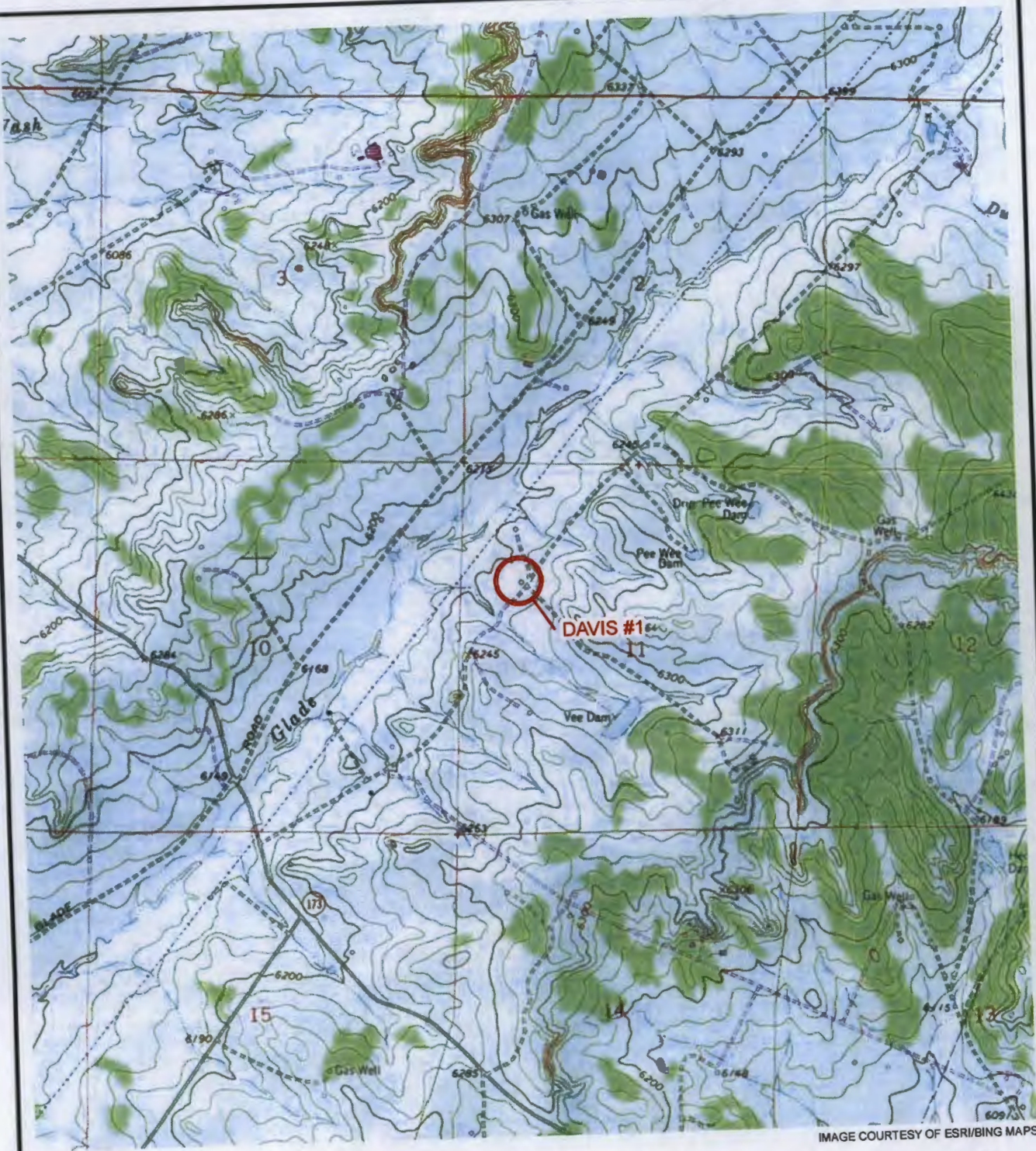
5.0 RECOMMENDATIONS

Since analytical results for groundwater samples from MW-1 and MW-4 have been compliant with NMWQCC standards for at least eight consecutive quarters, or have demonstrated long-term results compliant with NMWQCC standards, Williams will cease collection of groundwater quality samples for BTEX analysis from MW-1 and MW-4, and Williams will cease monitoring of MW-3 since it has been destroyed and it is located cross gradient of the Williams source area. Williams will repair the loose casing in MW-5.

Williams will monitor groundwater elevation in all existing monitoring wells quarterly. Since the source area is not defined, Williams intends to plug and abandon MW-2 and replace it with MW-2R and consider installation of an additional groundwater monitoring well to the south once groundwater flow direction is confirmed. Williams will continue to monitor groundwater quality in MW-2R, MW-5, MW-6, and MW-7 quarterly in addition to recovering free-phase

hydrocarbon in MW-5 as necessary. Any new groundwater monitoring wells will be integrated into the groundwater monitoring program.

FIGURES



LEGEND

SITE LOCATION

0 2,000 4,000

Feet

N

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

WILLIAMS FIELD SERVICES, LLC

P:\Williams Four Corners\GIS\MXD\034013001_DAVIS\034013001_DAVIS_FIG01_SL.mxd

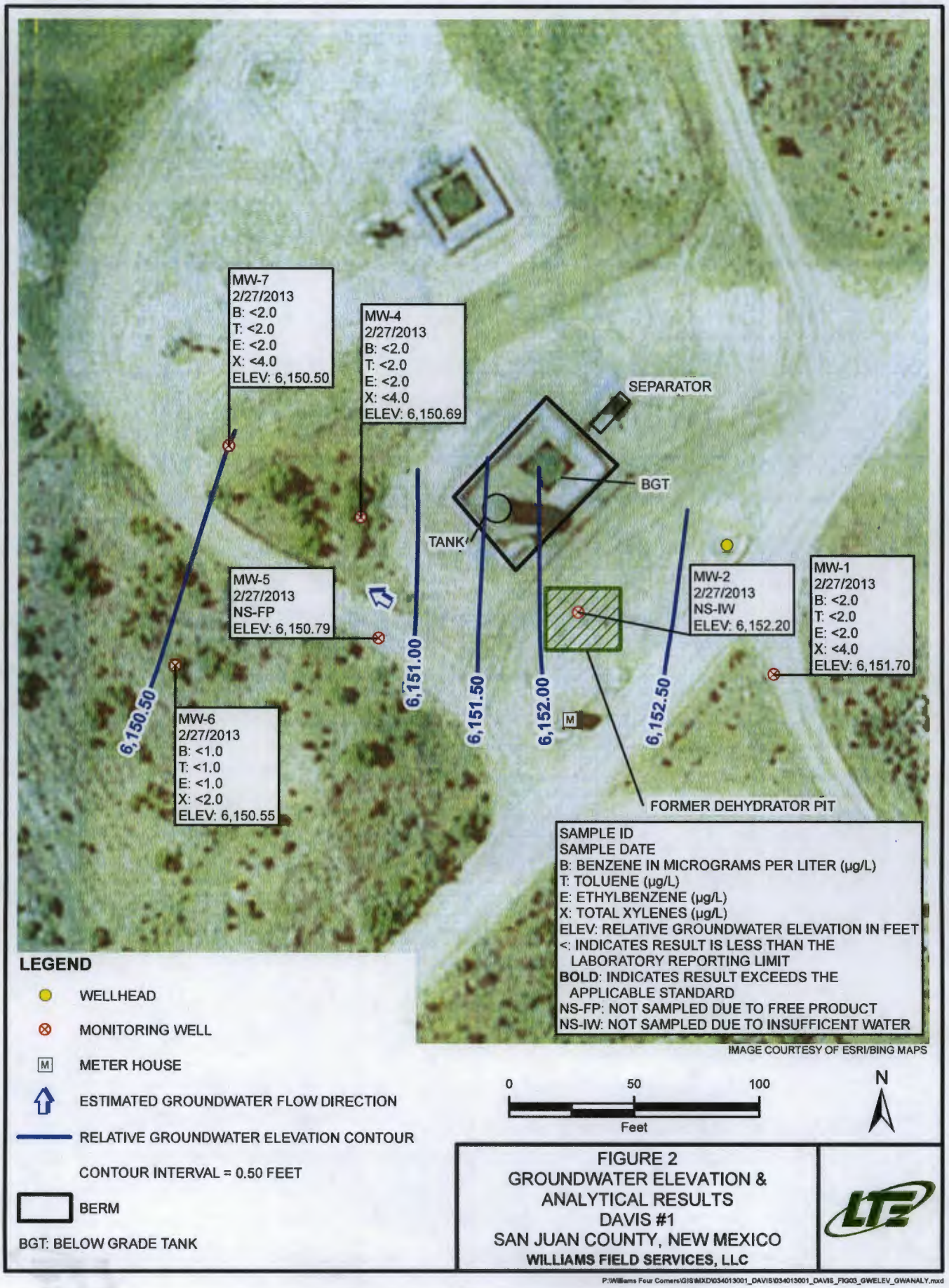


FIGURE 2
GROUNDWATER ELEVATION & ANALYTICAL RESULTS
DAVIS #1
SAN JUAN COUNTY, NEW MEXICO
WILLIAMS FIELD SERVICES, LLC

P:\Williams Four Corners\GIS\MXD\034013001_DAVIS\034013001_DAVIS_FIG03_GWELEV_GWANALY.mxd

TABLES

TABLE 1

CROSS REFERENCE WELL NAME AND SAMPLE IDENTIFIER
APRIL 2012 THROUGH DECEMBER 2012 SAMPLE DATES
DAVIS #1
WILLIAMS FIELD SERVICES, LLC

Sample Identifier	Well Name	Sample Date
145104APR12	MW-1	4/4/2012
191613JUN12	MW-1	6/13/2012
164002OCT12	MW-1	10/2/2012
111513DEC12	MW-1	12/13/2012
150704APR12	MW-4	4/4/2012
192413JUN12	MW-4	6/13/2012
164702OCT12	MW-4	10/2/2012
112513DEC12	MW-4	12/13/2012
120913DEC12	MW-5	12/13/2012
153704APR12	MW-6	4/4/2012
193913JUN12	MW-6	6/13/2012
170202OCT12	MW-6	10/2/2012
114113DEC12	MW-6	12/13/2012
152404APR12	MW-7	4/4/2012
193113JUN12	MW-7	6/13/2012
165402OCT12	MW-7	10/2/2012
113213DEC12	MW-7	12/13/2012

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

TABLE 2

GROUNDWATER ELEVATION SUMMARY
DAVIS #1
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-1	4/4/2012	UNK	UNK	UNK	UNK
MW-1	6/13/2012	UNK	UNK	UNK	UNK
MW-1	10/2/2012	UNK	UNK	UNK	UNK
MW-1	12/13/2012	UNK	UNK	UNK	UNK
MW-1	2/27/2013	NP	NP	65.44	6151.70
MW-2	4/4/2012	UNK	UNK	UNK	UNK
MW-2	6/13/2012	UNK	UNK	UNK	UNK
MW-2	10/2/2012	UNK	UNK	UNK	UNK
MW-2	12/13/2012	UNK	UNK	UNK	UNK
MW-2	2/27/2013	NP	NP	63.35	6152.20
MW-3	4/4/2012	UNK	UNK	UNK	UNK
MW-3	6/13/2012	UNK	UNK	UNK	UNK
MW-3	10/2/2012	UNK	UNK	UNK	UNK
MW-3	12/13/2012	UNK	UNK	UNK	UNK
MW-3	2/27/2013	DEST	DEST	DEST	DEST
MW-4	4/4/2012	UNK	UNK	UNK	UNK
MW-4	6/13/2012	UNK	UNK	UNK	UNK
MW-4	10/2/2012	UNK	UNK	UNK	UNK
MW-4	12/13/2012	UNK	UNK	UNK	UNK
MW-4	2/27/2013	NP	NP	59.87	6150.69
MW-5	4/4/2012	UNK	UNK	UNK	UNK
MW-5	6/13/2012	UNK	UNK	UNK	UNK
MW-5	10/2/2012	UNK	UNK	UNK	UNK
MW-5	12/13/2012	UNK	UNK	UNK	UNK
MW-5 *	2/27/2013	60.94	2.25	63.19	6150.79

TABLE 2

GROUNDWATER ELEVATION SUMMARY
DAVIS #1
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	4/4/2012	UNK	UNK	UNK	UNK
MW-6	6/13/2012	UNK	UNK	UNK	UNK
MW-6	10/2/2012	UNK	UNK	UNK	UNK
MW-6	12/13/2012	UNK	UNK	UNK	UNK
MW-6	2/27/2013	NP	NP	60.68	6150.55
MW-7	4/4/2012	UNK	UNK	UNK	UNK
MW-7	6/13/2012	UNK	UNK	UNK	UNK
MW-7	10/2/2012	UNK	UNK	UNK	UNK
MW-7	12/13/2012	UNK	UNK	UNK	UNK
MW-7	2/27/2013	NP	NP	58.68	6150.50

Notes:

BTOC - Below Top of Casing
AMSL - Above Mean Sea Level
DEST - well has been destroyed
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)

* - tubing was present in the well; this is not a static water level

TABLE 3

GROUNDWATER LABORATORY ANALYTICAL RESULTS
DAVIS #1
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-1	4/4/2012	<1.0	<1.0	<1.0	<3.0
MW-1	6/13/2012	<1.0	<1.0	<1.0	<3.0
MW-1	10/2/2012	<1.0	<1.0	<1.0	<3.0
MW-1	12/13/2012	<1.0	<1.0	<1.0	<3.0
MW-1	2/27/2013	<2.0	<2.0	<2.0	<4.0
MW-2	4/4/2012	NS	NS	NS	NS
MW-2	6/13/2012	NS	NS	NS	NS
MW-2	10/2/2012	NS	NS	NS	NS
MW-2	12/13/2012	NS	NS	NS	NS
MW-2	2/27/2013	NSD	NSD	NSD	NSD
MW-3	4/4/2012	NS	NS	NS	NS
MW-3	6/13/2012	NS	NS	NS	NS
MW-3	10/2/2012	NS	NS	NS	NS
MW-3	12/13/2012	NS	NS	NS	NS
MW-3	2/27/2013	DEST	DEST	DEST	DEST
MW-4	4/4/2012	<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	<1.0	<1.0	<1.0	<3.0
MW-4	12/13/2012	<1.0	<1.0	<1.0	<3.0
MW-4	2/27/2013	<2.0	<2.0	<2.0	<4.0
MW-5	4/4/2012	NS	NS	NS	NS
MW-5	6/13/2012	NS	NS	NS	NS
MW-5	10/2/2012	NS	NS	NS	NS
MW-5	12/13/2012	**11,800**	**1,270**	**7,620**	**8,910**
MW-5	2/27/2013	NSP	NSP	NSP	NSP
MW-6	4/4/2012	<1.0	<1.0	<1.0	<3.0
MW-6	6/13/2012	<1.0	<1.0	<1.0	<3.0
MW-6	10/2/2012	<1.0	<1.0	<1.0	<3.0
MW-6	12/13/2012	<1.0	<1.0	<1.0	<3.0
MW-6	2/27/2013	<1.0	<1.0	<1.0	<2.0

TABLE 3

GROUNDWATER LABORATORY ANALYTICAL RESULTS
DAVIS #1
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-7	4/4/2012	<1.0	<1.0	<1.0	<3.0
MW-7	6/13/2012	<1.0	<1.0	<1.0	<3.0
MW-7	10/2/2012	<1.0	<1.0	<1.0	<3.0
MW-7	12/13/2012	<1.0	<1.0	<1.0	<3.0
MW-7	2/27/2013	<2.0	<2.0	<2.0	<4.0

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
DEST - well has been destroyed
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 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 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 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 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		

REPORT OF LABORATORY ANALYSIS

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 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 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		

REPORT OF LABORATORY ANALYSIS

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 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 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:

Company:	MILE HIGH SERVICES
Address:	811 B, WEST APACHE
	FARMINGTON, NM
Email To:	mark@milehighenvironmental.com
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:	DOGE + DVS + 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	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	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	BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	164306APR12	WT	G	4-6-12	16:43				2				✓						✓		DOGE-2
2	165406APR12	"	"	"	16:54				2				✓						✓		DOGE-SVE4
3	170706APR12	"	"	"	17:07				2				✓						✓		DOGE3
4	171906APR12	"	"	"	17:19				2				✓						✓		DOGE-7
5	173006APR12	"	"	"	17:30				2				✓						✓		DOGE-9
6	145104APR12	"	"	4-4-12	14:51				2				✓						✓		DVS-1
7	150704APR12	"	"	"	15:07				2				✓						✓		DVS-4
8	152404APR12	"	"	"	15:24				2				✓						✓		DVS-7
9	153704APR12	"	"	"	15:37				2				✓						✓		DVS-6
10	132602APR12			4-2-12	13:26				2				✓						✓		FLR40-7
11	135202APR12	"		"	13:52				2				✓						✓		FLR40-2
12	145002APR12	↓	↓	"	14:50				2				✓						✓		FLR40-6

60119146

Pace Project No./ Lab I.D.

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: [signature]

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 1450 02 APR 12
Correct containers used:	☑Yes	☐No	☐N/A	9. but received 1337 02 APR 12 not on
-Pace containers used:	☑Yes	☐No	☐N/A	Chain 4/2/12 1337
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 Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

June 22, 2012

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

RE: Project: NM GW DVS & ICE
Pace Project No.: 60123513

Dear Mr. Harvey:
Enclosed are the analytical results for sample(s) received by the laboratory on 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 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 DVS & ICE
Pace Project No.: 60123513

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 DVS & ICE
Pace Project No.: 60123513

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60123513001	191613JUN12	Water	06/13/12 19:16	06/18/12 08:45
60123513002	192413JUN12	Water	06/13/12 19:24	06/18/12 08:45
60123513003	193113JUN12	Water	06/13/12 19:31	06/18/12 08:45
60123513004	193913JUN12	Water	06/13/12 19:39	06/18/12 08:45
60123513005	103314JUN12	Water	06/14/12 10:33	06/18/12 08:45
60123513006	104014JUN12	Water	06/14/12 10:40	06/18/12 08:45
60123513007	104814JUN12	Water	06/14/12 10:48	06/18/12 08:45
60123513008	105814JUN12	Water	06/14/12 10:58	06/18/12 08:45
60123513009	110414JUN12	Water	06/14/12 11:04	06/18/12 08:45
60123513010	111514JUN12	Water	06/14/12 11:15	06/18/12 08:45
60123513011	TRIP BLANK	Water	06/14/12 00:00	06/18/12 08:45
60123513012	EDD	Water	06/14/12 00:00	06/18/12 08:45

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

SAMPLE ANALYTE COUNT

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60123513001	191613JUN12	EPA 8260	JTK	9
60123513002	192413JUN12	EPA 8260	JTK	9
60123513003	193113JUN12	EPA 8260	JTK	9
60123513004	193913JUN12	EPA 8260	JTK	9
60123513005	103314JUN12	EPA 8260	JTK	9
60123513006	104014JUN12	EPA 8260	JTK	9
60123513007	104814JUN12	EPA 8260	JTK	9
60123513008	105814JUN12	EPA 8260	JTK	9
60123513009	110414JUN12	EPA 8260	JTK	9
60123513010	111514JUN12	EPA 8260	JTK	9
60123513011	TRIP BLANK	EPA 8260	JTK	9

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: 191613JUN12 **Lab ID: 60123513001** Collected: 06/13/12 19:16 Received: 06/18/12 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 08:30	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 08:30	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 08:30	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 08:30	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%	86-112	1		06/19/12 08:30	1868-53-7	
Toluene-d8 (S)	99	%	90-110	1		06/19/12 08:30	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		06/19/12 08:30	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	82-119	1		06/19/12 08:30	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 08:30		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: 192413JUN12 **Lab ID: 60123513002** Collected: 06/13/12 19:24 Received: 06/18/12 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 08:47	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 08:47	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 08:47	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 08:47	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%	86-112	1		06/19/12 08:47	1868-53-7	
Toluene-d8 (S)	102	%	90-110	1		06/19/12 08:47	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		06/19/12 08:47	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	82-119	1		06/19/12 08:47	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 08:47		

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: 193113JUN12 **Lab ID: 60123513003** Collected: 06/13/12 19:31 Received: 06/18/12 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 09:04	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 09:04	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 09:04	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 09:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	86-112	1		06/19/12 09:04	1868-53-7	
Toluene-d8 (S)	98	%	90-110	1		06/19/12 09:04	2037-26-5	
4-Bromofluorobenzene (S)	102	%	87-113	1		06/19/12 09:04	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	82-119	1		06/19/12 09:04	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 09:04		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: 193913JUN12 **Lab ID: 60123513004** Collected: 06/13/12 19:39 Received: 06/18/12 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 09:21	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 09:21	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 09:21	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 09:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%	86-112	1		06/19/12 09:21	1868-53-7	
Toluene-d8 (S)	102	%	90-110	1		06/19/12 09:21	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-113	1		06/19/12 09:21	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	82-119	1		06/19/12 09:21	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 09:21		

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: 103314JUN12 **Lab ID: 60123513005** Collected: 06/14/12 10:33 Received: 06/18/12 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 09:38	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 09:38	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 09:38	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 09:38	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	86-112	1		06/19/12 09:38	1868-53-7	
Toluene-d8 (S)	100	%	90-110	1		06/19/12 09:38	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		06/19/12 09:38	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	82-119	1		06/19/12 09:38	17060-07-0	
Preservation pH	**7.0**		1.0	1		06/19/12 09:38		pH

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: 104014JUN12 **Lab ID: 60123513006** Collected: 06/14/12 10:40 Received: 06/18/12 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 09:54	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 09:54	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 09:54	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 09:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	86-112	1		06/19/12 09:54	1868-53-7	
Toluene-d8 (S)	101	%	90-110	1		06/19/12 09:54	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		06/19/12 09:54	460-00-4	
1,2-Dichloroethane-d4 (S)	97	%	82-119	1		06/19/12 09:54	17060-07-0	
Preservation pH	**7.0**		1.0	1		06/19/12 09:54		pH

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: 104814JUN12 **Lab ID: 60123513007** Collected: 06/14/12 10:48 Received: 06/18/12 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	**3.1**	ug/L	1.0	1		06/19/12 20:28	71-43-2	
Ethylbenzene	**52.7**	ug/L	1.0	1		06/19/12 20:28	100-41-4	
Toluene	**1.5**	ug/L	1.0	1		06/19/12 20:28	108-88-3	
Xylene (Total)	**121**	ug/L	3.0	1		06/19/12 20:28	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	86-112	1		06/19/12 20:28	1868-53-7	
Toluene-d8 (S)	110	%	90-110	1		06/19/12 20:28	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		06/19/12 20:28	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	82-119	1		06/19/12 20:28	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 20:28		

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: 105814JUN12 **Lab ID: 60123513008** Collected: 06/14/12 10:58 Received: 06/18/12 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 10:29	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 10:29	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 10:29	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 10:29	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	109	%	86-112	1		06/19/12 10:29	1868-53-7	
Toluene-d8 (S)	105	%	90-110	1		06/19/12 10:29	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		06/19/12 10:29	460-00-4	
1,2-Dichloroethane-d4 (S)	96	%	82-119	1		06/19/12 10:29	17060-07-0	
Preservation pH	**7.0**		1.0	1		06/19/12 10:29		pH

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: 110414JUN12 **Lab ID: 60123513009** Collected: 06/14/12 11:04 Received: 06/18/12 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 20:45	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 20:45	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 20:45	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 20:45	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%	86-112	1		06/19/12 20:45	1868-53-7	
Toluene-d8 (S)	104	%	90-110	1		06/19/12 20:45	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-113	1		06/19/12 20:45	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	82-119	1		06/19/12 20:45	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 20:45		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: 111514JUN12 **Lab ID: 60123513010** Collected: 06/14/12 11:15 Received: 06/18/12 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 21:02	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 21:02	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 21:02	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 21:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	112	%	86-112	1		06/19/12 21:02	1868-53-7	
Toluene-d8 (S)	102	%	90-110	1		06/19/12 21:02	2037-26-5	
4-Bromofluorobenzene (S)	104	%	87-113	1		06/19/12 21:02	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	82-119	1		06/19/12 21:02	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 21:02		

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

ANALYTICAL RESULTS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Sample: TRIP BLANK **Lab ID: 60123513011** Collected: 06/14/12 00:00 Received: 06/18/12 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 21:18	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		06/19/12 21:18	100-41-4	
Toluene	ND	ug/L	1.0	1		06/19/12 21:18	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		06/19/12 21:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%	86-112	1		06/19/12 21:18	1868-53-7	
Toluene-d8 (S)	99	%	90-110	1		06/19/12 21:18	2037-26-5	
4-Bromofluorobenzene (S)	105	%	87-113	1		06/19/12 21:18	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	82-119	1		06/19/12 21:18	17060-07-0	
Preservation pH	**1.0**		1.0	1		06/19/12 21:18		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: NM GW DVS & ICE
Pace Project No.: 60123513

QC Batch: MSV/46452 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60123513001, 60123513002, 60123513003, 60123513004, 60123513005, 60123513006, 60123513008

METHOD BLANK: 1016022 Matrix: Water
Associated Lab Samples: 60123513001, 60123513002, 60123513003, 60123513004, 60123513005, 60123513006, 60123513008

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 DVS & ICE
Pace Project No.: 60123513

QC Batch: MSV/46486 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60123513007, 60123513009, 60123513010, 60123513011

METHOD BLANK: 1016544 Matrix: Water
Associated Lab Samples: 60123513007, 60123513009, 60123513010, 60123513011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	06/19/12 19:37	
Ethylbenzene	ug/L	ND	1.0	06/19/12 19:37	
Toluene	ug/L	ND	1.0	06/19/12 19:37	
Xylene (Total)	ug/L	ND	3.0	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	
Ethylbenzene	ug/L	20	20.4	102	79-121	
Toluene	ug/L	20	20.2	101	80-120	
Xylene (Total)	ug/L	60	59.2	99	79-120	
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

QUALIFIERS

Project: NM GW DVS & ICE
Pace Project No.: 60123513

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/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.

ANALYTE QUALIFIERS

pH Post-analysis pH measurement indicates insufficient VOA sample preservation.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NM GW DVS & ICE
Pace Project No.: 60123513

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60123513001	**191613JUN12**	EPA 8260	MSV/46452		
60123513002	**192413JUN12**	EPA 8260	MSV/46452		
60123513003	**193113JUN12**	EPA 8260	MSV/46452		
60123513004	**193913JUN12**	EPA 8260	MSV/46452		
60123513005	**103314JUN12**	EPA 8260	MSV/46452		
60123513006	**104014JUN12**	EPA 8260	MSV/46452		
60123513007	**104814JUN12**	EPA 8260	MSV/46486		
60123513008	**105814JUN12**	EPA 8260	MSV/46452		
60123513009	**110414JUN12**	EPA 8260	MSV/46486		
60123513010	**111514JUN12**	EPA 8260	MSV/46486		
60123513011	**TRIP BLANK**	EPA 8260	MSV/46486		

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

1372651

Section A Required Client Information:

Company:	MILE HIGH SERVICES
Address:	811 D. WEST APACHE
	FARMINGTON, NM 87401
Email To:	
Phone: 505-326-5422	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:	DVS + ICE

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	Y/N	Analysis Test: BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.	
1	191613 JUN 12 2DG9H	WT	G			6-13	19:16		2				✓						✓		60123513 DVS MW-1	001
2	192413 JUN 12	"	"			"	19:24		2				✓						✓		DVS MW-4	002
3	193113 JUN 12	"	"			"	19:31		2				✓						✓		DVS MW-7	003
4	193913 JUN 12	"	"			"	19:39		2				✓						✓		DVS MW-6	004
5	103314 JUN 12	"	"			6-14	10:33		2				✓						✓		ICE-8	005
6	104014 JUN 12	"	"			"	10:40		2				✓						✓		ICE-1	006
7	104814 JUN 12	"	"			"	10:48		2				✓						✓		ICE-SVE	007
8	105814 JUN 12	"	"			"	10:58		2				✓						✓		ICE-7	008
9	110414 JUN 12	"	"			"	11:04		2				✓						✓		ICE-4	009
10	111514 JUN 12	"	"			"	11:15		2				✓						✓		ICE-5	010
11	2DG9H TB																					011
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	6-14	8:30a	FED-EX	6-14-12					
				Bennell Chino	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

*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 # 60123513

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

Tracking #: 800120957033 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-191 / 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: -Includes date/time/ID/analyses Matrix: WT	☑Yes ☐No ☐N/A	13.
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: Pace Trip Blank lot # (if purchased): 021411-3	☑Yes ☐No ☐N/A	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: 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
Emailed about TB - analyze 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 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 PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

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 PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

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 PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60130503001	**132702OCT12**	Water	10/02/12 13:27	10/04/12 08:20
60130503002	**141102OCT12**	Water	10/02/12 14:11	10/04/12 08:20
60130503003	**142202OCT12**	Water	10/02/12 14:22	10/04/12 08:20
60130503004	**145402OCT12**	Water	10/02/12 14:54	10/04/12 08:20
60130503005	**150902OCT12**	Water	10/02/12 15:09	10/04/12 08:20
60130503006	**151502OCT12**	Water	10/02/12 15:15	10/04/12 08:20
60130503007	**164002OCT12**	Water	10/02/12 16:40	10/04/12 08:20
60130503008	**164702OCT12**	Water	10/02/12 16:47	10/04/12 08:20
60130503009	**165402OCT12**	Water	10/02/12 16:54	10/04/12 08:20
60130503010	**170202OCT12**	Water	10/02/12 17:02	10/04/12 08:20

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

SAMPLE ANALYTE COUNT

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60130503001	132702OCT12	EPA 8260	JTK	9
60130503002	141102OCT12	EPA 8260	JTK	9
60130503003	142202OCT12	EPA 8260	JTK	9
60130503004	145402OCT12	EPA 8260	JTK	9
60130503005	150902OCT12	EPA 8260	JTK	9
60130503006	151502OCT12	EPA 8260	JTK	9
60130503007	164002OCT12	EPA 8260	JTK	9
60130503008	164702OCT12	EPA 8260	JTK	9
60130503009	165402OCT12	EPA 8260	JTK	9
60130503010	170202OCT12	EPA 8260	JTK	9

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

ANALYTICAL RESULTS

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Sample: 132702OCT12 **Lab ID: 60130503001** Collected: 10/02/12 13:27 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	**8.0**	ug/L	1.0	1		10/06/12 06:02	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/06/12 06:02	100-41-4	
Toluene	**5.6**	ug/L	1.0	1		10/06/12 06:02	108-88-3	
Xylene (Total)	**40.7**	ug/L	3.0	1		10/06/12 06:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	80-120	1		10/06/12 06:02	1868-53-7	
Toluene-d8 (S)	102	%	80-120	1		10/06/12 06:02	2037-26-5	
4-Bromofluorobenzene (S)	104	%	80-120	1		10/06/12 06:02	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-120	1		10/06/12 06:02	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 06:02		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Sample: 141102OCT12 **Lab ID: 60130503002** Collected: 10/02/12 14:11 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	**18.2**	ug/L	1.0	1		10/08/12 00:43	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/08/12 00:43	100-41-4	
Toluene	**3.7**	ug/L	1.0	1		10/08/12 00:43	108-88-3	
Xylene (Total)	**21.2**	ug/L	3.0	1		10/08/12 00:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%	80-120	1		10/08/12 00:43	1868-53-7	
Toluene-d8 (S)	106	%	80-120	1		10/08/12 00:43	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-120	1		10/08/12 00:43	460-00-4	
1,2-Dichloroethane-d4 (S)	98	%	80-120	1		10/08/12 00:43	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/08/12 00:43		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Sample: 142202OCT12 **Lab ID: 60130503003** Collected: 10/02/12 14:22 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	**882**	ug/L	20.0	20		10/06/12 07:19	71-43-2	
Ethylbenzene	**375**	ug/L	20.0	20		10/06/12 07:19	100-41-4	
Toluene	**40.8**	ug/L	20.0	20		10/06/12 07:19	108-88-3	
Xylene (Total)	**767**	ug/L	60.0	20		10/06/12 07:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	80-120	20		10/06/12 07:19	1868-53-7	
Toluene-d8 (S)	116	%	80-120	20		10/06/12 07:19	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-120	20		10/06/12 07:19	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-120	20		10/06/12 07:19	17060-07-0	
Preservation pH	**1.0**		1.0	20		10/06/12 07:19		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Sample: 145402OCT12 **Lab ID: 60130503004** Collected: 10/02/12 14:54 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	**1.1**	ug/L	1.0	1		10/06/12 07:34	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/06/12 07:34	100-41-4	
Toluene	ND	ug/L	1.0	1		10/06/12 07:34	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/06/12 07:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	106	%	80-120	1		10/06/12 07:34	1868-53-7	
Toluene-d8 (S)	100	%	80-120	1		10/06/12 07:34	2037-26-5	
4-Bromofluorobenzene (S)	106	%	80-120	1		10/06/12 07:34	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-120	1		10/06/12 07:34	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 07:34		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Sample: 150902OCT12 **Lab ID: 60130503005** Collected: 10/02/12 15:09 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	**10200**	ug/L	100	100		10/06/12 07:50	71-43-2	
Ethylbenzene	**765**	ug/L	100	100		10/06/12 07:50	100-41-4	
Toluene	ND	ug/L	100	100		10/06/12 07:50	108-88-3	
Xylene (Total)	**7260**	ug/L	300	100		10/06/12 07:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	80-120	100		10/06/12 07:50	1868-53-7	
Toluene-d8 (S)	106	%	80-120	100		10/06/12 07:50	2037-26-5	
4-Bromofluorobenzene (S)	107	%	80-120	100		10/06/12 07:50	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-120	100		10/06/12 07:50	17060-07-0	
Preservation pH	**1.0**		1.0	100		10/06/12 07:50		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Sample: 151502OCT12 **Lab ID: 60130503006** Collected: 10/02/12 15:15 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 08:05	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/06/12 08:05	100-41-4	
Toluene	ND	ug/L	1.0	1		10/06/12 08:05	108-88-3	
Xylene (Total)	**4.5**	ug/L	3.0	1		10/06/12 08:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%	80-120	1		10/06/12 08:05	1868-53-7	
Toluene-d8 (S)	100	%	80-120	1		10/06/12 08:05	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120	1		10/06/12 08:05	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-120	1		10/06/12 08:05	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 08:05		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Sample: 164002OCT12 **Lab ID: 60130503007** Collected: 10/02/12 16:40 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 08:21	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/06/12 08:21	100-41-4	
Toluene	ND	ug/L	1.0	1		10/06/12 08:21	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/06/12 08:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	1		10/06/12 08:21	1868-53-7	
Toluene-d8 (S)	106	%	80-120	1		10/06/12 08:21	2037-26-5	
4-Bromofluorobenzene (S)	104	%	80-120	1		10/06/12 08:21	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-120	1		10/06/12 08:21	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 08:21		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Sample: 164702OCT12 **Lab ID: 60130503008** Collected: 10/02/12 16:47 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 08:36	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/06/12 08:36	100-41-4	
Toluene	ND	ug/L	1.0	1		10/06/12 08:36	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/06/12 08:36	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	97	%	80-120	1		10/06/12 08:36	1868-53-7	
Toluene-d8 (S)	104	%	80-120	1		10/06/12 08:36	2037-26-5	
4-Bromofluorobenzene (S)	92	%	80-120	1		10/06/12 08:36	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-120	1		10/06/12 08:36	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 08:36		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Sample: 165402OCT12 **Lab ID: 60130503009** Collected: 10/02/12 16:54 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 08:51	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/06/12 08:51	100-41-4	
Toluene	ND	ug/L	1.0	1		10/06/12 08:51	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/06/12 08:51	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%	80-120	1		10/06/12 08:51	1868-53-7	
Toluene-d8 (S)	96	%	80-120	1		10/06/12 08:51	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120	1		10/06/12 08:51	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-120	1		10/06/12 08:51	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 08:51		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Sample: 170202OCT12 **Lab ID: 60130503010** Collected: 10/02/12 17:02 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 09:07	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		10/06/12 09:07	100-41-4	
Toluene	ND	ug/L	1.0	1		10/06/12 09:07	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		10/06/12 09:07	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	80-120	1		10/06/12 09:07	1868-53-7	
Toluene-d8 (S)	110	%	80-120	1		10/06/12 09:07	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-120	1		10/06/12 09:07	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-120	1		10/06/12 09:07	17060-07-0	
Preservation pH	**1.0**		1.0	1		10/06/12 09:07		

Pace Analytical
www.pacelabs.com

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

QUALITY CONTROL DATA

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

QC Batch: MSV/49035 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60130503001

METHOD BLANK: 1074431 Matrix: Water
Associated Lab Samples: 60130503001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	10/06/12 00:37	
Ethylbenzene	ug/L	ND	1.0	10/06/12 00:37	
Toluene	ug/L	ND	1.0	10/06/12 00:37	
Xylene (Total)	ug/L	ND	3.0	10/06/12 00:37	
1,2-Dichloroethane-d4 (S)	%	98	80-120	10/06/12 00:37	
4-Bromofluorobenzene (S)	%	98	80-120	10/06/12 00:37	
Dibromofluoromethane (S)	%	99	80-120	10/06/12 00:37	
Toluene-d8 (S)	%	101	80-120	10/06/12 00:37	

LABORATORY CONTROL SAMPLE: 1074432

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	17.9	89	74-123	
Ethylbenzene	ug/L	20	18.4	92	76-123	
Toluene	ug/L	20	17.6	88	75-123	
Xylene (Total)	ug/L	60	52.1	87	76-123	
1,2-Dichloroethane-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			100	80-120	
Dibromofluoromethane (S)	%			101	80-120	
Toluene-d8 (S)	%			102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1074433 1074434

Parameter	Units	60130008014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	20	20	18.7	18.2	93	91	40-155	2	45	
Ethylbenzene	ug/L	ND	20	20	20.4	19.8	102	99	40-158	3	48	
Toluene	ug/L	ND	20	20	20.4	19.6	102	98	42-151	4	46	
Xylene (Total)	ug/L	ND	60	60	59.4	58.8	99	98	40-151	1	45	
1,2-Dichloroethane-d4 (S)	%						97	101	80-120			
4-Bromofluorobenzene (S)	%						101	99	80-120			
Dibromofluoromethane (S)	%						99	101	80-120			
Toluene-d8 (S)	%						106	98	80-120			
Preservation pH		1.0			1.0	1.0				0		

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

QUALITY CONTROL DATA

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

QC Batch: MSV/49039 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60130503003, 60130503004, 60130503005, 60130503006, 60130503007, 60130503008, 60130503009, 60130503010

METHOD BLANK: 1074538 Matrix: Water
Associated Lab Samples: 60130503003, 60130503004, 60130503005, 60130503006, 60130503007, 60130503008, 60130503009, 60130503010

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 PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

QC Batch: MSV/49051
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60130503002

METHOD BLANK: 1075346 Matrix: Water
Associated Lab Samples: 60130503002

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 PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

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.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NM GW PRTCHD + FLR47X + DVS
Pace Project No.: 60130503

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60130503001	132702OCT12	EPA 8260	MSV/49035		
60130503002	141102OCT12	EPA 8260	MSV/49051		
60130503003	142202OCT12	EPA 8260	MSV/49039		
60130503004	145402OCT12	EPA 8260	MSV/49039		
60130503005	150902OCT12	EPA 8260	MSV/49039		
60130503006	151502OCT12	EPA 8260	MSV/49039		
60130503007	164002OCT12	EPA 8260	MSV/49039		
60130503008	164702OCT12	EPA 8260	MSV/49039		
60130503009	165402OCT12	EPA 8260	MSV/49039		
60130503010	170202OCT12	EPA 8260	MSV/49039		

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

1564130

Section A Required Client Information:

Company:	MILE HIGH
Address:	221 S. MAIN AZTEC, NM 87410
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:	PATCHD + FLR47X + DVS

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	BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	132702 OCT 12	WT	G			10-2	13:27		2				✓					Y	X		PATCHD-1 60130503 001
2	141102 OCT 12	"	"			"	14:11		2				✓					Y	X		PATCHD-5 002
3	142202 OCT 12	"	"			"	14:22		2				✓					Y	X		PATCHD-6 003
4	145402 OCT 12	"	"			"	14:54		2				✓					Y	X		47X-1 004
5	150902 OCT 12	"	"			"	15:09		2				✓					Y	X		47X-2 005
6	151502 OCT 12	"	"			"	15:15		2				✓					Y	X		47X-4 006
7	164002 OCT 12	"	"			"	16:40		2				✓					Y	X		DVS-1 007
8	164702 OCT 12	"	"			"	16:47		2				✓					Y	X		DVS-4 008
9	165402 OCT 12	"	"			"	16:54		2				✓					Y	X		DVS-7 009
10	170202 OCT 12	↓	↓			"	17:02		2				✓					Y	X		DVS-6 010
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	M. HARVEY	10-3-12	10:30	FED-EX	10-3	10:30	
				[signature]	10/4	0820	3.8 Y Y Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 10-3-12

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

*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 Upon

Pace Analytical® www.pacelabs.com

Client Name: Mile High

Project # 60130503

Courier: ☒ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other ____

Tracking #: 800092844088

Pace Shipping Label Used? ☐ Yes ☒ No

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

Optional
Proj. Due Date: 10/11/12
Proj. Name: NM Gill

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

PRTCHD a FLK42A + DUS

Thermometer Used: (T-191) / 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: [initials] 10/4/12

		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.
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: ____ Date/Time: ____

Comments/ Resolution: ____

Project Manager Review: [signature] 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 Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

December 20, 2012

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

RE: Project: NMGW DVS & ICE
Pace Project No.: 60135430

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: NMGW DVS & ICE
Pace Project No.: 60135430

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: NMGW DVS & ICE
Pace Project No.: 60135430

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60135430001	111513DEC12	Water	12/13/12 11:15	12/14/12 08:30
60135430002	112513DEC12	Water	12/13/12 11:25	12/14/12 08:30
60135430003	113213DEC12	Water	12/13/12 11:32	12/14/12 08:30
60135430004	114113DEC12	Water	12/13/12 11:41	12/14/12 08:30
60135430005	120913DEC12	Water	12/13/12 12:09	12/14/12 08:30
60135430006	112407DEC12	Water	12/07/12 11:24	12/14/12 08:30
60135430007	113607DEC12	Water	12/07/12 11:36	12/14/12 08:30
60135430008	114507DEC12	Water	12/07/12 11:45	12/14/12 08:30
60135430009	115507DEC12	Water	12/07/12 11:55	12/14/12 08:30
60135430010	120207DEC12	Water	12/07/12 12:02	12/14/12 08:30
60135430011	121007DEC12	Water	12/07/12 12:10	12/14/12 08:30
60135430012	122007DEC12	Water	12/07/12 12:20	12/14/12 08:30
60135430013	EDD	Water		12/14/12 13:22

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

SAMPLE ANALYTE COUNT

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60135430001	111513DEC12	EPA 8260	PRG	9
60135430002	112513DEC12	EPA 8260	PRG	9
60135430003	113213DEC12	EPA 8260	PRG	9
60135430004	114113DEC12	EPA 8260	PRG	9
60135430005	120913DEC12	EPA 8260	PRG	9
60135430006	112407DEC12	EPA 8260	PRG	9
60135430007	113607DEC12	EPA 8260	PRG	9
60135430008	114507DEC12	EPA 8260	JTS	9
60135430009	115507DEC12	EPA 8260	PRG	9
60135430010	120207DEC12	EPA 8260	PRG	9
60135430011	121007DEC12	EPA 8260	PRG	9
60135430012	122007DEC12	EPA 8260	PRG	9

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 111513DEC12 **Lab ID: 60135430001** Collected: 12/13/12 11:15 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		12/18/12 01:54	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 01:54	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 01:54	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 01:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	111	%	80-120	1		12/18/12 01:54	1868-53-7	
Toluene-d8 (S)	109	%	80-120	1		12/18/12 01:54	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120	1		12/18/12 01:54	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	80-120	1		12/18/12 01:54	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 01:54		

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 112513DEC12 **Lab ID: 60135430002** Collected: 12/13/12 11:25 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		12/18/12 02:08	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 02:08	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 02:08	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 02:08	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	1		12/18/12 02:08	1868-53-7	
Toluene-d8 (S)	106	%	80-120	1		12/18/12 02:08	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-120	1		12/18/12 02:08	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-120	1		12/18/12 02:08	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 02:08		

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 113213DEC12 **Lab ID: 60135430003** Collected: 12/13/12 11:32 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		12/18/12 02:23	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 02:23	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 02:23	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 02:23	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	80-120	1		12/18/12 02:23	1868-53-7	
Toluene-d8 (S)	105	%	80-120	1		12/18/12 02:23	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120	1		12/18/12 02:23	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-120	1		12/18/12 02:23	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 02:23		

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 114113DEC12 **Lab ID: 60135430004** Collected: 12/13/12 11:41 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		12/18/12 02:37	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 02:37	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 02:37	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 02:37	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	108	%	80-120	1		12/18/12 02:37	1868-53-7	
Toluene-d8 (S)	105	%	80-120	1		12/18/12 02:37	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120	1		12/18/12 02:37	460-00-4	
1,2-Dichloroethane-d4 (S)	108	%	80-120	1		12/18/12 02:37	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 02:37		

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 120913DEC12 **Lab ID: 60135430005** Collected: 12/13/12 12:09 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	**11800**	ug/L	100	100		12/18/12 02:52	71-43-2	
Ethylbenzene	**1270**	ug/L	100	100		12/18/12 02:52	100-41-4	
Toluene	**7620**	ug/L	100	100		12/18/12 02:52	108-88-3	
Xylene (Total)	**8910**	ug/L	300	100		12/18/12 02:52	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	100		12/18/12 02:52	1868-53-7	HS
Toluene-d8 (S)	107	%	80-120	100		12/18/12 02:52	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	100		12/18/12 02:52	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-120	100		12/18/12 02:52	17060-07-0	
Preservation pH	**1.0**		1.0	100		12/18/12 02:52		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 112407DEC12 **Lab ID: 60135430006** Collected: 12/07/12 11:24 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		12/18/12 03:06	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 03:06	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 03:06	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 03:06	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	80-120	1		12/18/12 03:06	1868-53-7	
Toluene-d8 (S)	107	%	80-120	1		12/18/12 03:06	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-120	1		12/18/12 03:06	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-120	1		12/18/12 03:06	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 03:06		

Pace Analytical®
www.pacelabs.com

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 113607DEC12 **Lab ID: 60135430007** Collected: 12/07/12 11:36 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		12/18/12 03:21	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 03:21	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 03:21	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 03:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	107	%	80-120	1		12/18/12 03:21	1868-53-7	
Toluene-d8 (S)	110	%	80-120	1		12/18/12 03:21	2037-26-5	
4-Bromofluorobenzene (S)	99	%	80-120	1		12/18/12 03:21	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-120	1		12/18/12 03:21	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 03:21		

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 114507DEC12 **Lab ID: 60135430008** Collected: 12/07/12 11:45 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	5.0	5		12/18/12 19:40	71-43-2	
Ethylbenzene	**38.5**	ug/L	5.0	5		12/18/12 19:40	100-41-4	
Toluene	ND	ug/L	5.0	5		12/18/12 19:40	108-88-3	
Xylene (Total)	**92.6**	ug/L	15.0	5		12/18/12 19:40	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	80-120	5		12/18/12 19:40	1868-53-7	D3
Toluene-d8 (S)	101	%	80-120	5		12/18/12 19:40	2037-26-5	
4-Bromofluorobenzene (S)	105	%	80-120	5		12/18/12 19:40	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-120	5		12/18/12 19:40	17060-07-0	
Preservation pH	**1.0**		1.0	5		12/18/12 19:40		

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 115507DEC12 **Lab ID: 60135430009** Collected: 12/07/12 11:55 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		12/18/12 03:50	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 03:50	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 03:50	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 03:50	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%	80-120	1		12/18/12 03:50	1868-53-7	
Toluene-d8 (S)	106	%	80-120	1		12/18/12 03:50	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-120	1		12/18/12 03:50	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-120	1		12/18/12 03:50	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 03:50		

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 120207DEC12 **Lab ID: 60135430010** Collected: 12/07/12 12:02 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		12/18/12 04:05	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 04:05	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 04:05	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 04:05	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	80-120	1		12/18/12 04:05	1868-53-7	
Toluene-d8 (S)	108	%	80-120	1		12/18/12 04:05	2037-26-5	
4-Bromofluorobenzene (S)	96	%	80-120	1		12/18/12 04:05	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-120	1		12/18/12 04:05	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 04:05		

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 121007DEC12 **Lab ID: 60135430011** Collected: 12/07/12 12:10 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		12/18/12 04:19	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 04:19	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 04:19	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 04:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	111	%	80-120	1		12/18/12 04:19	1868-53-7	
Toluene-d8 (S)	108	%	80-120	1		12/18/12 04:19	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-120	1		12/18/12 04:19	460-00-4	
1,2-Dichloroethane-d4 (S)	106	%	80-120	1		12/18/12 04:19	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 04:19		

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Sample: 122007DEC12 **Lab ID: 60135430012** Collected: 12/07/12 12:20 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		12/18/12 04:34	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 04:34	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 04:34	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 04:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	109	%	80-120	1		12/18/12 04:34	1868-53-7	
Toluene-d8 (S)	109	%	80-120	1		12/18/12 04:34	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-120	1		12/18/12 04:34	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-120	1		12/18/12 04:34	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 04:34		

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

QUALITY CONTROL DATA

Project: NMGW DVS & ICE
Pace Project No.: 60135430

QC Batch: MSV/50853 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60135430001, 60135430002, 60135430003, 60135430004, 60135430005, 60135430006, 60135430007, 60135430009, 60135430010, 60135430011, 60135430012

METHOD BLANK: 1116016 Matrix: Water
Associated Lab Samples: 60135430001, 60135430002, 60135430003, 60135430004, 60135430005, 60135430006, 60135430007, 60135430009, 60135430010, 60135430011, 60135430012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	12/18/12 01:39	
Ethylbenzene	ug/L	ND	1.0	12/18/12 01:39	
Toluene	ug/L	ND	1.0	12/18/12 01:39	
Xylene (Total)	ug/L	ND	3.0	12/18/12 01:39	
1,2-Dichloroethane-d4 (S)	%	105	80-120	12/18/12 01:39	
4-Bromofluorobenzene (S)	%	100	80-120	12/18/12 01:39	
Dibromofluoromethane (S)	%	102	80-120	12/18/12 01:39	
Toluene-d8 (S)	%	111	80-120	12/18/12 01:39	

LABORATORY CONTROL SAMPLE: 1116017

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	20.2	101	74-123	
Ethylbenzene	ug/L	20	22.6	113	76-123	
Toluene	ug/L	20	22.1	110	75-123	
Xylene (Total)	ug/L	60	67.6	113	76-123	
1,2-Dichloroethane-d4 (S)	%			108	80-120	
4-Bromofluorobenzene (S)	%			96	80-120	
Dibromofluoromethane (S)	%			107	80-120	
Toluene-d8 (S)	%			107	80-120	

Pace Analytical
www.pacelabs.com

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

QUALITY CONTROL DATA

Project: NMGW DVS & ICE
Pace Project No.: 60135430

QC Batch: MSV/50879
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60135430008

METHOD BLANK: 1116579 Matrix: Water
Associated Lab Samples: 60135430008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	12/18/12 17:43	
Ethylbenzene	ug/L	ND	1.0	12/18/12 17:43	
Toluene	ug/L	ND	1.0	12/18/12 17:43	
Xylene (Total)	ug/L	ND	3.0	12/18/12 17:43	
1,2-Dichloroethane-d4 (S)	%	105	80-120	12/18/12 17:43	
4-Bromofluorobenzene (S)	%	104	80-120	12/18/12 17:43	
Dibromofluoromethane (S)	%	100	80-120	12/18/12 17:43	
Toluene-d8 (S)	%	99	80-120	12/18/12 17:43	

LABORATORY CONTROL SAMPLE: 1116580

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.1	95	74-123	
Ethylbenzene	ug/L	20	20.3	101	76-123	
Toluene	ug/L	20	20.9	105	75-123	
Xylene (Total)	ug/L	60	60.4	101	76-123	
1,2-Dichloroethane-d4 (S)	%			103	80-120	
4-Bromofluorobenzene (S)	%			105	80-120	
Dibromofluoromethane (S)	%			101	80-120	
Toluene-d8 (S)	%			101	80-120	

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

QUALIFIERS

Project: NMGW DVS & ICE
Pace Project No.: 60135430

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/50853

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

Batch: MSV/50879

[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.

HS Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NMGW DVS & ICE
Pace Project No.: 60135430

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60135430001	111513DEC12	EPA 8260	MSV/50853		
60135430002	112513DEC12	EPA 8260	MSV/50853		
60135430003	113213DEC12	EPA 8260	MSV/50853		
60135430004	114113DEC12	EPA 8260	MSV/50853		
60135430005	120913DEC12	EPA 8260	MSV/50853		
60135430006	112407DEC12	EPA 8260	MSV/50853		
60135430007	113607DEC12	EPA 8260	MSV/50853		
60135430008	114507DEC12	EPA 8260	MSV/50879		
60135430009	115507DEC12	EPA 8260	MSV/50853		
60135430010	120207DEC12	EPA 8260	MSV/50853		
60135430011	121007DEC12	EPA 8260	MSV/50853		
60135430012	122007DEC12	EPA 8260	MSV/50853		

Pace Analytical
www.pacelabs.com

[redacted]

WO#: 60135430

60135430

Client Name: Mile High

Optional
Proj Due Date:
Proj Name:

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

Date and initials of person examining contents: 12/14/12 IHO

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: Includes date/time/ID/analyses Matrix: water	☑Yes ☐No ☐N/A	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 N/A / Lot # of added preservative
Trip Blank present: Pace Trip Blank lot # (if purchased): N/A	☐Yes ☑No ☐N/A	120913 Dec 12 2of 2 vials w/ headspace 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: Mark Harvey Date/Time: 12/14/12

Comments/ Resolution: Email - headspace in 120913Dec12 - analyze? CMW 12/14/12
Per Mark Harvey analyze sample CMW 12/14/12

Project Manager Review: CMW Date 12/17/12

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

1564131

Section A Required Client Information:
- Company: MILE HIGH
- Address: 221 S. MAIN AVE AZTEC, NM 87410
- Email To:
- Phone: 505-402-1958 Fax:
- Requested Due Date/TAT:

Section B Required Project Information:
- Report To: MARK HARVEY
- Copy To:
- Purchase Order No.:
- Project Name: NMGW
- Project Number: DVS + ICE

Section C Invoice Information:
- Attention:
- Company Name:
- Address:
- Pace Quote Reference:
- Pace Project Manager:
- Pace Profile #:

REGULATORY AGENCY
- NPDES
- [X] GROUND WATER
- [ ] DRINKING WATER
- [ ] UST
- [ ] RCRA
- [ ] OTHER

Site Location STATE: NM

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

Pace Project No./ Lab I.D.: 60135430

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	111513DEC12	WT	G			11:15	12-13		2				✓						✓		DVS-1 2(DEAU) 01
2	112513DEC12	〃	〃			11:25	〃		2				✓						✓		DVS-4 02
3	113213DEC12	〃	〃			11:32	〃		2				✓						✓		DVS-7 03
4	114113DEC12	〃	〃			11:41	〃		2				✓						✓		DVS 6 04
5	120913DEC12	〃	〃			12:09	〃		2				✓						✓		DVS-5 05
6	112407DEC12	〃	〃			11:24	12-07		2				✓						✓		ICE-8 06
7	113607DEC12	〃	〃			11:36	〃		2				✓						✓		ICE-1 07
8	114507DEC12	〃	〃			11:45	〃		2				✓						✓		SVE-4 08
9	115507DEC12	〃	〃			11:55	〃		2				✓						✓		ICE-7 09
10	120207DEC12	〃	〃			12:02	〃		2				✓						✓		ICE 3 010
11	121007DEC12	〃	〃			12:10	〃		2				✓						✓		ICE-4 011
12	122007DEC12	〃	〃			12:20	〃		2				✓						✓		ICE-5 012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	M. HARVEY / MILE HIGH	12-13-12	4:00p	FED-X						
				[signature] / Pace	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

*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.

F-ALL-Q-020rev.07, 15-May-2007

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 06, 2013

Julie Linn

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

RE: Davis #1 OrderNo.: 1302934

Dear Julie Linn:

Hall Environmental Analysis Laboratory received 4 sample(s) on 2/28/2013 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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1302934**
Date Reported: **3/6/2013**

CLIENT: LTE
Project: Davis #1
Lab ID: 1302934-001

Client Sample ID: MW-1
Collection Date: 2/27/2013 10:05:00 AM
Matrix: AQUEOUS **Received Date:** 2/28/2013 9:59:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	2.0		µg/L	2	3/4/2013 8:08:58 PM
Toluene	ND	2.0		µg/L	2	3/4/2013 8:08:58 PM
Ethylbenzene	ND	2.0		µg/L	2	3/4/2013 8:08:58 PM
Xylenes, Total	ND	4.0		µg/L	2	3/4/2013 8:08:58 PM
Surr: 4-Bromofluorobenzene	91.1	69.7-152		%REC	2	3/4/2013 8:08:58 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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE
Client Sample ID: MW-7
Project: Davis #1
Collection Date: 2/27/2013 11:15:00 AM
Lab ID: 1302934-002
Matrix: AQUEOUS
Received Date: 2/28/2013 9:59:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	2.0		µg/L	2	3/5/2013 12:09:44 AM
Toluene	ND	2.0		µg/L	2	3/5/2013 12:09:44 AM
Ethylbenzene	ND	2.0		µg/L	2	3/5/2013 12:09:44 AM
Xylenes, Total	ND	4.0		µg/L	2	3/5/2013 12:09:44 AM
Surr: 4-Bromofluorobenzene	89.1	69.7-152		%REC	2	3/5/2013 12:09:44 AM

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE
Client Sample ID: MW-6
Project: Davis #1
Collection Date: 2/27/2013 12:07:00 PM
Lab ID: 1302934-003
Matrix: AQUEOUS
Received Date: 2/28/2013 9:59:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	3/5/2013 12:39:51 AM
Toluene	ND	1.0		µg/L	1	3/5/2013 12:39:51 AM
Ethylbenzene	ND	1.0		µg/L	1	3/5/2013 12:39:51 AM
Xylenes, Total	ND	2.0		µg/L	1	3/5/2013 12:39:51 AM
Surr: 4-Bromofluorobenzene	87.2	69.7-152		%REC	1	3/5/2013 12:39:51 AM

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

Analytical Report
Lab Order **1302934**
Date Reported: **3/6/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE
Client Sample ID: MW-4
Project: Davis #1
Collection Date: 2/27/2013 1:11:00 PM
Lab ID: 1302934-004
Matrix: AQUEOUS
Received Date: 2/28/2013 9:59:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	2.0		µg/L	2	3/5/2013 1:09:48 AM
Toluene	ND	2.0		µg/L	2	3/5/2013 1:09:48 AM
Ethylbenzene	ND	2.0		µg/L	2	3/5/2013 1:09:48 AM
Xylenes, Total	ND	4.0		µg/L	2	3/5/2013 1:09:48 AM
Surr: 4-Bromofluorobenzene	86.8	69.7-152		%REC	2	3/5/2013 1:09:48 AM

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#: **1302934**

06-Mar-13

Client: LTE

Project: Davis #1

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: **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		93.9	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: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	80	120			
Toluene	20	1.0	20.00	0	102	80	120			
Ethylbenzene	21	1.0	20.00	0	103	80	120			
Xylenes, Total	63	2.0	60.00	0	105	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		103	69.7	152			

Sample ID **1302934-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-1**	Batch ID: **R8955**	RunNo: **8955**
Prep Date:	Analysis Date: **3/4/2013**	SeqNo: **255911** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	39	2.0	40.00	0	96.7	80	120			
Toluene	39	2.0	40.00	0	98.0	80	120			
Ethylbenzene	39	2.0	40.00	0	98.0	80	120			
Xylenes, Total	120	4.0	120.0	0	101	80	120			
Surr: 4-Bromofluorobenzene	39		40.00		98.5	69.7	152			

Sample ID **1302934-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **MW-1**	Batch ID: **R8955**	RunNo: **8955**
Prep Date:	Analysis Date: **3/4/2013**	SeqNo: **255912** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	36	2.0	40.00	0	90.1	80	120	7.02	20	
Toluene	37	2.0	40.00	0	91.9	80	120	6.44	20	
Ethylbenzene	37	2.0	40.00	0	92.5	80	120	5.74	20	
Xylenes, Total	110	4.0	120.0	0	95.0	80	120	6.27	20	
Surr: 4-Bromofluorobenzene	40		40.00		99.9	69.7	152	0	0	

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: 1302934

Received by/date: AG 02/28/13

Logged By: Anne Thorne 2/28/2013 9:59:00 AM Anne Thorne

Completed By: Anne Thorne 2/28/2013 Anne Thorne

Reviewed By: MA 02/28/13

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:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.9	Good	Yes			

Chain-of-Custody Record

Client: LT Environmental

Mailing Address: 2243 Main Ave #3
Durango CO 81301

Phone #: 970-385-1096

email or Fax#: aager@ltenv.com

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Davis #1

Project #:

Project Manager: Julie Linn

Sampler: Brooke Herb

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.9

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. 1302954	BTEX + ~~MTBE + TMB's~~ (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)
2/27/13	1005	GW	MW-1	VOA/3	Cool	-001	X														
2/27/13	1115	GW	MW-7	VOA/3	Cool	-002	X														
2/27/13	1207	GW	MW-6	VOA/3	Cool	-003	X														
2/27/13	1311	GW	MW-4	VOA/3	Cool	-004	X														

Date	Time	Relinquished by:	Received by:	Date	Time
2/27/13	1535		Christie Waeler	2/27/13	1535
2/27/13	1720	Christie Waeler		02/28/13	0959

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

FEBRUARY 2013 FIELD NOTES

Water Sample Collection Form

Sample Location	Davis #1	Client	Williams Field Services, LLC
Sample Date	2/27/2013	Project Name	Historical Groundwater
Sample Time	10:05	Project #	034013001
Sample ID	MW-1	Sampler	Brooke Herb
Analyses	BTEX 8021		
Matrix	Groundwater	Laboratory	Hall Environmental
Turn Around Time	Standard	Shipping Method	Hand delivery
Depth to Water	65.44	TD of Well	70.15
Time	9:30	Depth to Product	NA

Vol. of H2O to purge: 4.71 * 0.1631 = 1.0.75 * 3 = 2.26

*(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 (gallons)	Total Vol H2O removed (gallons)	pH (standard units)	Temp. (°C)	Conductivity (ms)	Comments
9:35	0.25	0.25	7.04	14.2	1922 µs	Brown, very silty, no HC odor, no sheen
	0.25	0.50	7.00	14.1	3.53	No change
	0.25	0.75	7.25	13.9	3.55	No change
	0.25	1.00	7.22	14.1	3.51	No change
	0.25	1.25	7.23	14.1	3.57	No change
	0.25	1.50	7.25	14.1	3.55	No change
	0.25	1.75	7.24	14.1	3.59	No change
	0.25	2.00	7.24	14.1	3.58	No change
	0.25	2.25	7.25	14.1	3.57	No change
10:05	0.25	2.50	7.25	14.1	3.57	No change

Comments:

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 2/27/2013

Water Sample Collection Form

Sample Location	Davis #1	Client	Williams Field Services, LLC
Sample Date	2/27/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-2	Sampler	Brooke Herb
Analyses	NA		
Matrix	Groundwater	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	63.35	TD of Well	63.4
Time	13:30	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 (gallons)	Total Vol H2O removed (gallons)	pH (standard units)	Temp. (°C)	Conductivity (ms)	Comments

Comments: Not enough water to collect a sample. Oil-water interface probe has a strong hydrocarbon odor. Was unable to lock well due to metal casing deformation. Product recovery sock was observed in the metal casing of the well; but not low enough to be in the water. Left sock in well.

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 2/27/2013

Water Sample Collection Form

Sample Location	Davis #1	Client	Williams Field Services, LLC
Sample Date	2/27/2013	Project Name	Historical Groundwater
Sample Time	2:38	Project #	034013001
Sample ID	MW-4	Sampler	Brooke Herb
Analyses	BTEX 8021		
Matrix	Groundwater	Laboratory	Hall Environmental
Turn Around Time	Standard	Shipping Method	Hand delivery
Depth to Water	59.87	TD of Well	67.68
Time	12:15	Depth to Product	NA
Vol. of H2O to purge	7.81 * 0.1631 = 1.25 * 3 = 3.75		
	*(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 (gallons)	Total Vol H2O removed (gallons)	pH (standard units)	Temp. (°C)	Conductivity (ms)	Comments
12:15	0.25	0.25	7.25	15.0	5.34	Brown, very silty
	0.25	0.50	7.20	15.3	5.26	No change
	0.25	0.75	7.23	15.3	5.19	No change
	0.25	1.00	7.22	15.2	5.14	No change
	0.50	1.50	7.24	15.2	5.21	No change
	0.50	2.00	7.23	15.2	5.09	No change
	0.75	2.75	7.25	15.1	5.05	No change
	0.25	3.00	7.28	15.2	5.13	No change
	0.25	3.25	7.30	15.3	5.11	No change
	0.25	3.50	7.31	15.2	5.12	No change
13:11	0.25	3.75	7.31	15.3	5.11	No change

Comments:

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 2/27/2013

Water Sample Collection Form

Sample Location	Davis #1	Client	Williams Field Services, LLC
Sample Date	2/27/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-5	Sampler	Brooke Herb
Analyses	NA		
Matrix	Groundwater	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	63.19	TD of Well	NM
Time	12:10	Depth to Product	60.94

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 (gallons)	Total Vol H2O removed (gallons)	pH (standard units)	Temp. (°C)	Conductivity (ms)	Comments

Comments: No sample was collected due to the presence of product.
Well contained tubing to total depth. The tubing was removed from the well; the bottom 3 feet of tubing were black. The tubing was discarded.
PVC is loose within the casing.

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 2/27/2013

Water Sample Collection Form

Sample Location	Davis #1	Client	Williams Field Services, LLC
Sample Date	2/27/2013	Project Name	Historical Groundwater
Sample Time	12:07	Project #	034013001
Sample ID	MW-6	Sampler	Brooke Herb
Analyses	BTEX 8021		
Matrix	Groundwater	Laboratory	Hall Environmental
Turn Around Time	Standard	Shipping Method	Hand delivery
Depth to Water	60.68	TD of Well	62.75
Time	11:20	Depth to Product	NA

Vol. of H2O to purge 2.07 * 0.1631 = 0.33 * 3 = 0.99

*(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 (gallons)	Total Vol H2O removed (gallons)	pH (standard units)	Temp. (°C)	Conductivity (ms)	Comments
11:30	0.25	0.25	7.20	12.8	4.89	Light brown, minor silt, no HC odor, no sheen
	0.25	0.50	7.14	13.4	4.85	Bailing down
	0.25	0.75	6.99	14.1	4.83	More silt, bailing down
11:45	0.25	1.00	7.17	12.2	4.89	Bailed Dry

Comments:

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 2/27/2013

Water Sample Collection Form

Sample Location	Davis #1	Client	Williams Field Services, LLC
Sample Date	2/27/2013	Project Name	Historical Groundwater
Sample Time	11:15	Project #	034013001
Sample ID	MW-7	Sampler	Brooke Herb
Analyses	BTEX 8021		
Matrix	Groundwater	Laboratory	Hall Environmental
Turn Around Time	Standard	Shipping Method	Hand delivery
Depth to Water	58.68	TD of Well	67.40
Time	10:10	Depth to Product	NA

Vol. of H2O to purge: 8.72 * 0.1631 = 1.42 * 3 = 4.26

*(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 (gallons)	Total Vol H2O removed (gallons)	pH (standard units)	Temp. (°C)	Conductivity (ms)	Comments
10:10	0.25	0.25	7.25	14.9	5.51	Light brown, silty, no sheen, no HC odor
	0.25	0.50	7.26	14.7	5.50	No change
	0.25	0.75	7.37	14.5	5.45	More silt
	0.25	1.00	7.39	14.7	5.42	No change
	0.25	1.25	7.36	14.6	5.46	No change
	0.25	2.00	7.24	14.6	5.50	Very silty
	0.50	2.50	7.39	14.6	5.49	No change
	0.50	3.00	7.34	14.4	5.37	No change
	0.50	3.50	7.41	14.7	5.43	No change
	0.25	3.75	7.41	14.7	5.38	No change
	0.25	4.00	7.36	14.7	5.35	No change
	0.25	4.25	7.37	14.7	5.44	No change
11:15	0.25	4.50	7.38	14.7	5.35	No change

Comments:

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 2/27/2013