3R - 339

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 three locations in the San Juan Basin for Williams Field Services, LLC:

- Ice Canyon Drip 3R-322
- Jicarilla Contract 147-6 3R-325
- Pritchard #2A 3R-339

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

PRITCHARD #2A
ADMINISTRATIVE/ENVIRONMENTAL ORDER NUMBER 3RP-339-0

APRIL 2013

Prepared for:

WILLIAMS FIELD SERVICES, LLC
TULSA, OKLAHOMA

2012 ANNUAL GROUNDWATER REPORT

PRITCHARD #2A
ADMINSTRATIVE/ENVIRONMENTAL ORDER NUMBER
3RP-339-0

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

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EXECUTIVE SUMMARY

Groundwater at the Pritchard #2A (Administrative/Environmental Order Number 3RP-339-0) natural gas production well site (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 two former pits, the east pit and the north 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 March 2013, five groundwater monitoring events were conducted (April 2012, June 2012, September 2012, December 2012, and February 2013). Depth to groundwater and depth to free-phase hydrocarbon data for the monitoring events conducted in 2012 were not available. Depth to groundwater data in February 2013 indicate the groundwater flow is to the south in the northern portion of the Site and to the north in the southern portion of the Site.

Groundwater monitoring activities were conducted at the Site in April 2012, June 2012, September 2012, December 2012, and February 2013. Groundwater monitoring well MW-2 and MW-4 were not sampled during any of the monitoring events likely due to the presence of free-phase hydrocarbons in the wells. Groundwater monitoring wells MW-1, MW-3, and MW-5 contained benzene in excess of the NMWQCC groundwater standards during at least one of the monitoring events. Groundwater monitoring well MW-6 contained benzene and total xylenes in excess of the NMWQCC groundwater standards at least one of the monitoring events.

Williams will repair groundwater monitoring well MW-3 and resurvey the top of casing elevations. This data will allow Williams to evaluate groundwater flow direction and BTEX concentrations to determine where and how many additional groundwater wells are necessary. Williams will continue quarterly depth to groundwater, depth to product, and BTEX sampling from all six groundwater monitor wells on Site; and evaluate recovery of free-phase hydrocarbons in groundwater monitoring wells MW-2 and MW-4.

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 Pritchard #2A (Administrative/Environmental Order Number 3RP-339-0) natural gas production well site (Site) (Figure 1). The scope of work for this project was continued monitoring of petroleum hydrocarbon impacts to groundwater as a result of a release from two former pits, the east pit and the north pit. From April 2012 through December 2012, Williams conducted groundwater sampling. In February 2013, LTE visited the Site to evaluate the status of all groundwater monitoring wells, complete annual sampling requirements, and recommend improvements to the groundwater remediation program.

1.1 LOCATION

The Site is located at latitude 36.837444 and longitude -107.713236 in Unit J, Section 6, Township 30 North, Range 8 West. The Site is at the confluence of an unnamed tributary to La Manga Canyon with La Manga Canyon, which drains into Pump Canyon, in the San Juan Basin, San Juan County, New Mexico.

1.2 HISTORY

The source is two former pits, the east pit and the north pit; which are considered a single source due to their proximity to each other. In December 1997, almost 800 cubic yards of impacted soil were excavated from the Site. Soil samples from the floors of the two excavations revealed total petroleum hydrocarbons – diesel range organics and BTEX in excess of the New Mexico Oil and Conservation Division (NMOCD) remediation levels. A groundwater sample collected from a well drilled in the east pit at approximately 76.5 feet below ground surface (bgs) contained 8,600 micrograms per liter (µg/L) benzene. Sometime prior to April 2000, groundwater monitoring wells MW-2, MW-3, and MW-4 were installed; and in April 2000, MW-5 and MW-6 were installed at the Site.

Between April 2000 (or earlier) and December 2012, groundwater at the Site was monitored. Records regarding these activities can be found in previous groundwater reports submitted to the NMOCD.

In March 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

Groundwater monitoring activities were conducted at the Site in April 2012, June 2012, September 2012, December 2012, and February 2013. The April 2012 through December 2012 monitoring events were conducted by a third-party consultant and the methodology used is not known. Water level measurements were not available for the April 2012 through December 2012

monitoring events. Table 1 provides a cross-reference to match the sample identifier with the appropriate groundwater monitoring well for the April 2012 through December 2012 monitoring events. The first quarter 2013 monitoring event was conducted by LTE; the methodology used by LTE is discussed below.

2.1 WATER AND PRODUCT LEVEL MEASUREMENTS

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

2.2 GROUNDWATER SAMPLING

Prior to sampling groundwater, depth to groundwater and total depth of monitoring wells was 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 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 or a dedicated 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 at least two 40-milliliter (ml) glass vials. The laboratory supplied vials were filled and capped with no air inside to prevent degradation of the sample. Samples were labeled with the date and time of collection, monitoring well designation, project name, collector's name, and parameters to be analyzed. They were immediately sealed and packed on ice. The samples were transferred to Hall Environmental Analysis Laboratory (HEAL) for analysis. Samples were stored on ice in a sealed cooler and maintained under chain-of-custody (COC) procedures. COC forms were completed documenting the date and time sampled, sample number, type of sample, sampler's name, preservative used (if any), analyses required, and sampler's signature.

2.3 GROUNDWATER CONTOUR MAPS

LTE used existing top of casing well elevations and 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. Using the existing survey data, groundwater flow direction was determined to be to the south in the northern portion of the Site and to the north in the southern portion of the Site; the top of casing elevations may not be correct (Figure 2).

Groundwater monitoring well MW-2, located in the original source area, contains free-phase hydrocarbons and monitoring well MW-4 contains over one foot of free-phase hydrocarbons. All surrounding wells contain BTEX concentrations exceeding the NMWQCC groundwater standards. Table 3 summarizes the groundwater analytical results and copies of the laboratory reports can be found in Appendix A.

4.0 CONCLUSIONS

Free-phase hydrocarbons remain at the source and are present over 150 feet south of the source in groundwater monitoring well MW-4. All surrounding wells contain dissolved phase contaminants. Groundwater flow behavior does not appear to follow the drainage toward La Manga Canyon, making the top of casing elevation survey data suspect. Groundwater flow behavior is unclear, the original source is not delineated, and there is potential for multiple sources. Groundwater at the Site remains impacted by BTEX parameters above the NMWQCC groundwater standards in groundwater monitoring wells MW-1, MW-3, MW-5, and MW-6; MW-2 and MW-4 contain free-phase hydrocarbons.

5.0 RECOMMENDATIONS

Williams will repair groundwater monitoring well MW-3 and resurvey the top of casing elevations. This data will allow Williams to evaluate groundwater flow direction and BTEX concentrations to determine where and how many additional groundwater wells are necessary. Williams will continue quarterly depth to groundwater, depth to product, and BTEX sampling from all six groundwater monitor wells on Site; and evaluate recovery of free-phase hydrocarbons in groundwater monitoring wells MW-2 and MW-4.

FIGURES

LEGEND

SITE LOCATION

0 2,000 4,000

Feet

N

FIGURE 1
SITE LOCATION MAP
PRITCHARD #2A
SAN JUAN COUNTY, NEW MEXICO

WILLIAMS FIELD SERVICES, LLC

P:\Williams Four Corners\GIS\MXD\034013001_PRITCHARD2\034013001_PRITCHARD_FIG01_SL.mxd

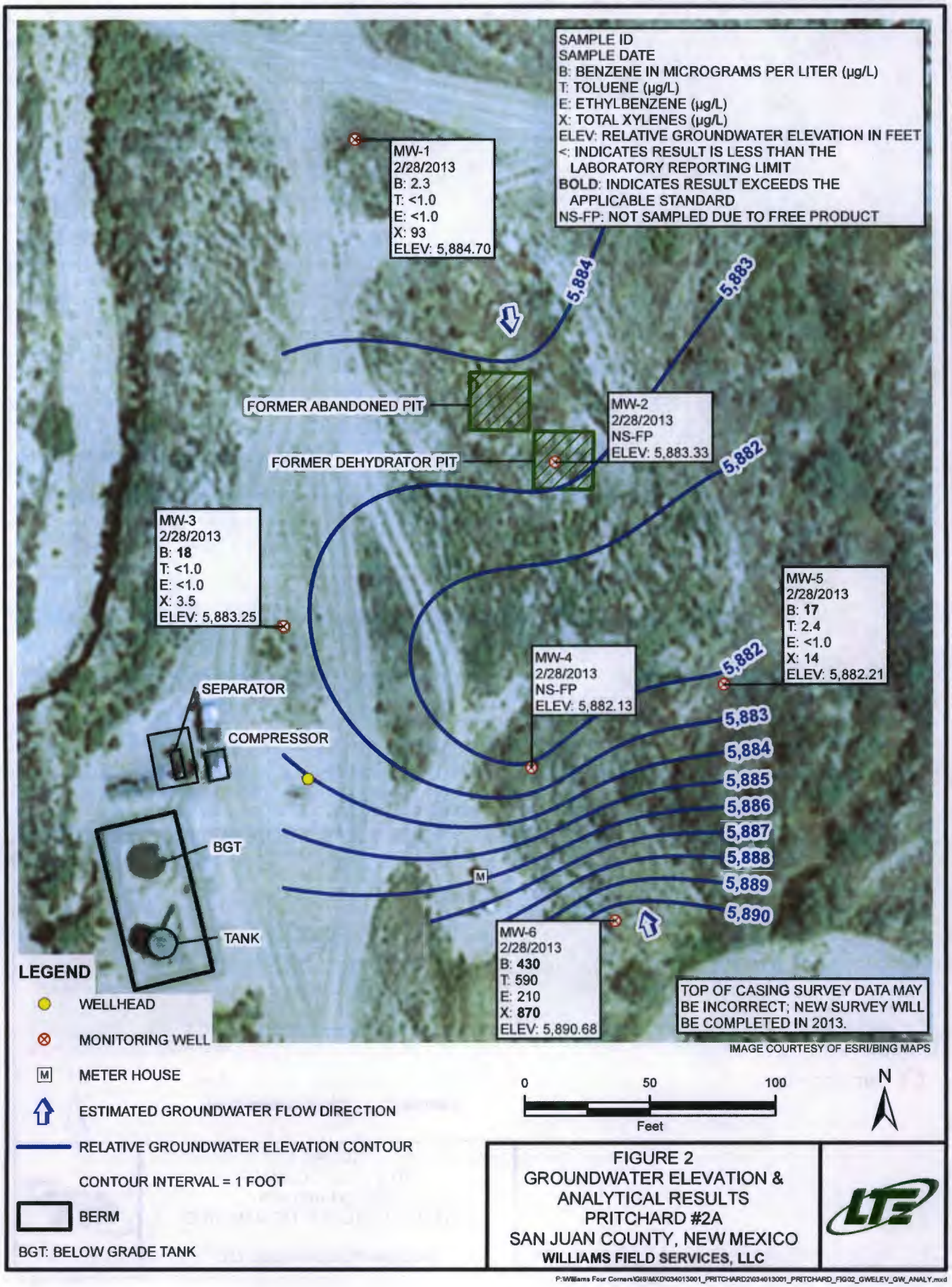

FIGURE 2
GROUNDWATER ELEVATION & ANALYTICAL RESULTS
PRITCHARD #2A
SAN JUAN COUNTY, NEW MEXICO
WILLIAMS FIELD SERVICES, LLC

P:\Williams Four Corners\GIS\MXD\034013001_PRITCHARD2\034013001_PRITCHARD_FIG02_GWELEV_GW_ANALY.mxd

TABLES

TABLE 1

CROSS REFERENCE WELL NAME AND SAMPLE IDENTIFIER
APRIL 2012 THROUGH DECEMBER 2012 SAMPLE DATES
PRITCHARD #2A
WILLIAMS FIELD SERVICES, LLC

Sample Identifier	Well Name	Sample Date
141902APR06	MW-1	4/2/2012
155613JUN12	MW-1	6/13/2012
132702OCT12	MW-1	10/2/2012
134806DEC12	MW-1	12/6/2012
142902APR06	MW-3	4/2/2012
161413JUN12	MW-3	6/13/2012
143802APR06	MW-5	4/2/2012
163313JUN12	MW-5	6/13/2012
141102OCT12	MW-5	10/2/2012
135706DEC12	MW-5	12/6/2012
145702APR06	MW-6	4/2/2012
164713JUN12	MW-6	6/13/2012
142202OCT12	MW-6	10/2/2012
141906DEC12	MW-6	12/6/2012

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

TABLE 2

GROUNDWATER ELEVATION SUMMARY
PRITCHARD #2A
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	4/2/2012	UNK	UNK	UNK	UNK
MW-1	6/13/2012	UNK	UNK	UNK	UNK
MW-1	10/2/2012	UNK	UNK	UNK	UNK
MW-1	12/6/2012	UNK	UNK	UNK	UNK
MW-1	2/28/2013	NP	NP	82.06	5884.70
MW-2	4/2/2012	UNK	UNK	UNK	UNK
MW-2	6/13/2012	UNK	UNK	UNK	UNK
MW-2	10/2/2012	UNK	UNK	UNK	UNK
MW-2	12/6/2012	UNK	UNK	UNK	UNK
MW-2 *	2/28/2013	79.63	0.34	79.97	5883.33
MW-3	4/2/2012	UNK	UNK	UNK	UNK
MW-3	6/13/2012	UNK	UNK	UNK	UNK
MW-3	10/2/2012	UNK	UNK	UNK	UNK
MW-3	12/6/2012	UNK	UNK	UNK	UNK
MW-3	2/28/2013	NP	NP	78.02	5883.25
MW-4	4/2/2012	UNK	UNK	UNK	UNK
MW-4	6/13/2012	UNK	UNK	UNK	UNK
MW-4	10/2/2012	UNK	UNK	UNK	UNK
MW-4	12/6/2012	UNK	UNK	UNK	UNK
MW-4	2/28/2013	77.97	1.58	79.55	5882.13
MW-5	4/2/2012	UNK	UNK	UNK	UNK
MW-5	6/13/2012	UNK	UNK	UNK	UNK
MW-5	10/2/2012	UNK	UNK	UNK	UNK
MW-5	12/6/2012	UNK	UNK	UNK	UNK
MW-5	2/28/2013	NP	NP	78.20	5882.21
MW-6	4/2/2012	UNK	UNK	UNK	UNK
MW-6	6/13/2012	UNK	UNK	UNK	UNK
MW-6	10/2/2012	UNK	UNK	UNK	UNK

TABLE 2

GROUNDWATER ELEVATION SUMMARY
PRITCHARD #2A
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	12/6/2012	UNK	UNK	UNK	UNK
MW-6	2/28/2013	NP	NP	67.56	5890.68

Notes:
BTOC - Below Top of Casing
AMSL - Above Mean Sea Level
NP - No Product
UNK - data is not known
Groundwater elevation calculation in wells with product: (Top of Casing Elevation - Depth to Water) + (Product Thickness * 0.8)

TABLE 3

GROUNDWATER LABORATORY ANALYTICAL RESULTS
PRITCHARD #2A
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	4/2/2012	**23.5**	<1.0	7.7	45.9
MW-1	6/13/2012	**19.0**	<1.0	4.4	33.6
MW-1	10/2/2012	8.0	<1.0	5.6	40.7
MW-1	12/6/2012	**22.0**	<1.0	6.4	52.2
MW-1	2/28/2013	2.3	<1.0	<1.0	93
MW-2	4/2/2012	NS	NS	NS	NS
MW-2	6/13/2012	NS	NS	NS	NS
MW-2	10/2/2012	NS	NS	NS	NS
MW-2	12/6/2012	NS	NS	NS	NS
MW-2	2/28/2013	NSP	NSP	NSP	NSP
MW-3	4/2/2012	**18.2**	1.8	<1.0	7.5
MW-3	6/13/2012	**35.5**	4.5	<1.0	20.7
MW-3	10/2/2012	NS	NS	NS	NS
MW-3	12/6/2012	NS	NS	NS	NS
MW-3	2/28/2013	**18**	<1.0	<1.0	3.5
MW-4	4/2/2012	NS	NS	NS	NS
MW-4	6/13/2012	NS	NS	NS	NS
MW-4	10/2/2012	NS	NS	NS	NS
MW-4	12/6/2012	NS	NS	NS	NS
MW-4	2/28/2013	NSP	NSP	NSP	NSP
MW-5	4/2/2012	<1.0	<1.0	<1.0	<3.0
MW-5	6/13/2012	3.3	<1.0	<1.0	<3.0
MW-5	10/2/2012	**18.2**	<1.0	3.7	21.2
MW-5	12/6/2012	**35.4**	<1.0	2.7	30.6
MW-5	2/28/2013	**17**	2.4	<1.0	14
MW-6	4/2/2012	**1,210**	259	36.2	423
MW-6	6/13/2012	**1,360**	501	103	**981**
MW-6	10/2/2012	**882**	375	40.8	**767**

TABLE 3

GROUNDWATER LABORATORY ANALYTICAL RESULTS
PRITCHARD #2A
WILLIAMS FIELD SERVICES, LLC

Well Name	Sample Date	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
NMWQCC Standard (µg/L)		**10**	**750**	**750**	**620**
MW-6	12/6/2012	**768**	299	8.4	427
MW-6	2/28/2013	**430**	590	210	**870**

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

APPENDIX A
ANALYTICAL LABORATORY REPORTS

Pace Analytical 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 PRTCHO & JIC
Pace Project No.: 60119079

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 PRTCHO & JIC
Pace Project No.: 60119079

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 PRTCHO & JIC
Pace Project No.: 60119079

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60119079001	141902APR06	Water	04/02/12 14:19	04/10/12 10:00
60119079002	142902APR06	Water	04/02/12 14:29	04/10/12 10:00
60119079003	143802APR06	Water	04/02/12 14:38	04/10/12 10:00
60119079004	145702APR06	Water	04/02/12 14:57	04/10/12 10:00
60119079005	152006APR06	Water	04/06/12 15:20	04/10/12 10:00
60119079006	153206APR06	Water	04/06/12 15:32	04/10/12 10:00
60119079007	154406APR06	Water	04/06/12 15:44	04/10/12 10:00
60119079008	155306APR06	Water	04/06/12 15:53	04/10/12 10:00
60119079009	160406APR06	Water	04/06/12 16:04	04/10/12 10:00
60119079010	161506APR06	Water	04/06/12 16:15	04/10/12 10:00
60119079011	EDD	Water	04/06/12 00:00	04/10/12 10:00

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

SAMPLE ANALYTE COUNT

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60119079001	**141902APR06**	EPA 8260	RNS	9
60119079002	**142902APR06**	EPA 8260	RNS	9
60119079003	**143802APR06**	EPA 8260	RNS	9
60119079004	**145702APR06**	EPA 8260	RNS	9
60119079005	**152006APR06**	EPA 8260	RNS	9
60119079006	**153206APR06**	EPA 8260	RNS	9
60119079007	**154406APR06**	EPA 8260	RNS	9
60119079008	**155306APR06**	EPA 8260	RNS	9
60119079009	**160406APR06**	EPA 8260	RNS	9
60119079010	**161506APR06**	EPA 8260	RNS	9

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

ANALYTICAL RESULTS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Sample: 141902APR06 **Lab ID: 60119079001** Collected: 04/02/12 14:19 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	**23.5**	ug/L	1.0	1		04/12/12 10:48	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 10:48	100-41-4	
Toluene	**7.7**	ug/L	1.0	1		04/12/12 10:48	108-88-3	
Xylene (Total)	**45.9**	ug/L	3.0	1		04/12/12 10:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	86-112	1		04/12/12 10:48	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 10:48	2037-26-5	
4-Bromofluorobenzene (S)	98	%	87-113	1		04/12/12 10:48	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	82-119	1		04/12/12 10:48	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 10:48		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Sample: 142902APR06 **Lab ID: 60119079002** Collected: 04/02/12 14:29 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	**18.2**	ug/L	1.0	1		04/12/12 11:03	71-43-2	
Ethylbenzene	**1.8**	ug/L	1.0	1		04/12/12 11:03	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 11:03	108-88-3	
Xylene (Total)	**7.5**	ug/L	3.0	1		04/12/12 11:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	86-112	1		04/12/12 11:03	1868-53-7	
Toluene-d8 (S)	98	%	90-110	1		04/12/12 11:03	2037-26-5	
4-Bromofluorobenzene (S)	100	%	87-113	1		04/12/12 11:03	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	82-119	1		04/12/12 11:03	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 11:03		

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

ANALYTICAL RESULTS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Sample: 143802APR06 **Lab ID: 60119079003** Collected: 04/02/12 14:38 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 11:19	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 11:19	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 11:19	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 11:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	86-112	1		04/12/12 11:19	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 11:19	2037-26-5	
4-Bromofluorobenzene (S)	99	%	87-113	1		04/12/12 11:19	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	82-119	1		04/12/12 11:19	17060-07-0	
Preservation pH	**7.0**		1.0	1		04/12/12 11:19		pH

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

ANALYTICAL RESULTS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Sample: 145702APR06 **Lab ID: 60119079004** Collected: 04/02/12 14:57 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	**1210**	ug/L	20.0	20		04/12/12 11:34	71-43-2	
Ethylbenzene	**259**	ug/L	20.0	20		04/12/12 11:34	100-41-4	
Toluene	**36.2**	ug/L	20.0	20		04/12/12 11:34	108-88-3	
Xylene (Total)	**423**	ug/L	60.0	20		04/12/12 11:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	86-112	20		04/12/12 11:34	1868-53-7	
Toluene-d8 (S)	99	%	90-110	20		04/12/12 11:34	2037-26-5	
4-Bromofluorobenzene (S)	100	%	87-113	20		04/12/12 11:34	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	82-119	20		04/12/12 11:34	17060-07-0	
Preservation pH	**1.0**		1.0	20		04/12/12 11:34		

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ANALYTICAL RESULTS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Sample: 152006APR06 **Lab ID: 60119079005** Collected: 04/06/12 15:20 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 11:49	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 11:49	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 11:49	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 11:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	86-112	1		04/12/12 11:49	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 11:49	2037-26-5	
4-Bromofluorobenzene (S)	98	%	87-113	1		04/12/12 11:49	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	82-119	1		04/12/12 11:49	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 11:49		

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ANALYTICAL RESULTS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Sample: 153206APR06 **Lab ID: 60119079006** Collected: 04/06/12 15:32 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 12:04	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 12:04	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 12:04	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 12:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	86-112	1		04/12/12 12:04	1868-53-7	
Toluene-d8 (S)	97	%	90-110	1		04/12/12 12:04	2037-26-5	
4-Bromofluorobenzene (S)	102	%	87-113	1		04/12/12 12:04	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	82-119	1		04/12/12 12:04	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 12:04		

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ANALYTICAL RESULTS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Sample: 154406APR06 **Lab ID: 60119079007** Collected: 04/06/12 15:44 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 12:19	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 12:19	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 12:19	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 12:19	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	86-112	1		04/12/12 12:19	1868-53-7	
Toluene-d8 (S)	98	%	90-110	1		04/12/12 12:19	2037-26-5	
4-Bromofluorobenzene (S)	100	%	87-113	1		04/12/12 12:19	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	82-119	1		04/12/12 12:19	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 12:19		

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ANALYTICAL RESULTS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Sample: 155306APR06 **Lab ID: 60119079008** Collected: 04/06/12 15:53 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	**1900**	ug/L	20.0	20		04/12/12 12:34	71-43-2	
Ethylbenzene	**127**	ug/L	20.0	20		04/12/12 12:34	100-41-4	
Toluene	**955**	ug/L	20.0	20		04/12/12 12:34	108-88-3	
Xylene (Total)	**1040**	ug/L	60.0	20		04/12/12 12:34	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	86-112	20		04/12/12 12:34	1868-53-7	
Toluene-d8 (S)	97	%	90-110	20		04/12/12 12:34	2037-26-5	
4-Bromofluorobenzene (S)	101	%	87-113	20		04/12/12 12:34	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	82-119	20		04/12/12 12:34	17060-07-0	
Preservation pH	**2.0**		1.0	20		04/12/12 12:34		

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ANALYTICAL RESULTS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Sample: 160406APR06 **Lab ID: 60119079009** Collected: 04/06/12 16:04 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	**13800**	ug/L	100	100		04/12/12 12:49	71-43-2	
Ethylbenzene	**333**	ug/L	100	100		04/12/12 12:49	100-41-4	
Toluene	**3070**	ug/L	100	100		04/12/12 12:49	108-88-3	
Xylene (Total)	**1590**	ug/L	300	100		04/12/12 12:49	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	100	%	86-112	100		04/12/12 12:49	1868-53-7	
Toluene-d8 (S)	98	%	90-110	100		04/12/12 12:49	2037-26-5	
4-Bromofluorobenzene (S)	99	%	87-113	100		04/12/12 12:49	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	82-119	100		04/12/12 12:49	17060-07-0	
Preservation pH	**7.0**		1.0	100		04/12/12 12:49		pH

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ANALYTICAL RESULTS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Sample: 161506APR06 **Lab ID: 60119079010** Collected: 04/06/12 16:15 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 13:04	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 13:04	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 13:04	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 13:04	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	86-112	1		04/12/12 13:04	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 13:04	2037-26-5	
4-Bromofluorobenzene (S)	102	%	87-113	1		04/12/12 13:04	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	82-119	1		04/12/12 13:04	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 13:04		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

QC Batch: MSV/44875 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60119079001, 60119079002, 60119079003, 60119079004, 60119079005, 60119079006, 60119079007, 60119079008, 60119079009, 60119079010

METHOD BLANK: 980214 Matrix: Water
Associated Lab Samples: 60119079001, 60119079002, 60119079003, 60119079004, 60119079005, 60119079006, 60119079007, 60119079008, 60119079009, 60119079010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	04/12/12 09:48	
Ethylbenzene	ug/L	ND	1.0	04/12/12 09:48	
Toluene	ug/L	ND	1.0	04/12/12 09:48	
Xylene (Total)	ug/L	ND	3.0	04/12/12 09:48	
1,2-Dichloroethane-d4 (S)	%	101	82-119	04/12/12 09:48	
4-Bromofluorobenzene (S)	%	102	87-113	04/12/12 09:48	
Dibromofluoromethane (S)	%	100	86-112	04/12/12 09:48	
Toluene-d8 (S)	%	97	90-110	04/12/12 09:48	

LABORATORY CONTROL SAMPLE: 980215

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	22.0	110	82-117	
Ethylbenzene	ug/L	20	20.6	103	79-121	
Toluene	ug/L	20	21.0	105	80-120	
Xylene (Total)	ug/L	60	61.1	102	79-120	
1,2-Dichloroethane-d4 (S)	%			102	82-119	
4-Bromofluorobenzene (S)	%			100	87-113	
Dibromofluoromethane (S)	%			103	86-112	
Toluene-d8 (S)	%			98	90-110	

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QUALIFIERS

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

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/44875

[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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NM GW PRTCHO & JIC
Pace Project No.: 60119079

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60119079001	**141902APR06**	EPA 8260	MSV/44875		
60119079002	**142902APR06**	EPA 8260	MSV/44875		
60119079003	**143802APR06**	EPA 8260	MSV/44875		
60119079004	**145702APR06**	EPA 8260	MSV/44875		
60119079005	**152006APR06**	EPA 8260	MSV/44875		
60119079006	**153206APR06**	EPA 8260	MSV/44875		
60119079007	**154406APR06**	EPA 8260	MSV/44875		
60119079008	**155306APR06**	EPA 8260	MSV/44875		
60119079009	**160406APR06**	EPA 8260	MSV/44875		
60119079010	**161506APR06**	EPA 8260	MSV/44875		

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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

1369884

Section A Required Client Information:

Company:	MILE HIGH
Address:	811 B WEST APACHE
	FARMINGTON, NM
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:	PRTCHD + JIC

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	141902APR06	WT	G	4-2-12			14:19		2				✓					✓		PRTCHD-1 01
2	142902APR06			"			14:29		2				✓					✓		PRTCHD-3 02
3	143802APR06			"			14:38		2				✓					✓		PRTCHD-5 03
4	145702APR06			"			14:57		2				✓					✓		PRTCHD-6 04
5	152006APR06			4-6-12			15:20		2				✓					✓		JIC-1 05
6	153206APR06			"			15:32		2				✓					✓		JIC-2 06
7	154406APR06			"			15:44		2				✓					✓		JIC-8 07
8	155306APR06			"			15:53		2				✓					✓		JIC-3 08
9	160406APR06			"			16:04		2				✓					✓		JIC-6 09
10	161506APR06			"			16:15		2				✓					✓		JIC-9 010
11																				
12																				

6011907A

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	X	X

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.

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

Sample Condition Upon Receipt

Pace Analytical
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Client Name: Mile High Project # 60149679

Courier: ☑ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other _____
Tracking #: 8001 1020 5172 Pace Shipping Label Used? ☐ Yes ☑ No

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

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 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: 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.
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: 4/10/12

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)

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(913)599-5665

June 25, 2012

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

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

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

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

Sincerely,

Heather M. Wilson

Heather Wilson

heather.wilson@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

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

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

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SAMPLE SUMMARY

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

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

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SAMPLE ANALYTE COUNT

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

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

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ANALYTICAL RESULTS

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

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

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

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ANALYTICAL RESULTS

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

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

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

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ANALYTICAL RESULTS

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

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

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

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ANALYTICAL RESULTS

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

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

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

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ANALYTICAL RESULTS

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

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

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

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ANALYTICAL RESULTS

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

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

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

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ANALYTICAL RESULTS

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

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

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

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ANALYTICAL RESULTS

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

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

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

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ANALYTICAL RESULTS

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

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

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

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QUALITY CONTROL DATA

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

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

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

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

LABORATORY CONTROL SAMPLE: 1016009

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

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QUALITY CONTROL DATA

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

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

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

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

LABORATORY CONTROL SAMPLE: 1016023

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

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QUALITY CONTROL DATA

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

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

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

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

LABORATORY CONTROL SAMPLE: 1016545

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

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QUALITY CONTROL DATA

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

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

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

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

LABORATORY CONTROL SAMPLE: 1017867

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

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QUALIFIERS

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

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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BATCH QUALIFIERS

Batch: MSV/46450
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: MSV/46452
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: MSV/46486
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.
Batch: MSV/46544
[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

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

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: MILE HIGH SERVICES	Report To: MARK HARVEY	Attention:
Address: 811 B. WEST APACHE	Copy To:	Company Name:
FARMINGTON, NM 87401		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: 505-326-5422 Fax:	Project Name: NM GW	Pace Project Manager:
Requested Due Date/TAT:	Project Number: FLR 40 + PATCHO + FLR 47X	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: FCA NM

Requested Analysis Filtered (Y/N)

ITEM #	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	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	151313 JUN 12 2DGRH		WT	G			6-13	15:13		2				✓						✓		60123512
2	153113 JUN 12		"	"			"	15:31		2				✓						✓		FLR40-AMO
3	155613 JUN 12		"	"			"	15:56		2				✓						✓		FLR40-MW4
4	161413 JUN 12		"	"			"	16:14		2				✓						✓		PATCHO MW-1
5	163313 JUN 12		"	"			"	16:33		2				✓						✓		PATCHO MW-3
6	164713 JUN 12		"	"			"	16:47		2				✓						✓		PATCHO MW-5
7	171413 JUN 12		"	"			"	17:14		2				✓						✓		~~FLR47X~~-MW-6
8	174413 JUN 12		"	"			"	17:44		2				✓						✓		FLR47X-MW-1
9	175613 JUN 12		"	"			"	17:56		2				✓						✓		FLR47X-MW-2
10																						FLR47X MW-4
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	MARK HARVEY / MILE HIGH	6-14-12	8:30a	FED-EX	6-14					
				[signature]	6-16-12	845	11.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY

SIGNATURE of SAMPLER: [signature] 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 # 60123512

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

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

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

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

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

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

Cooler Temperature: 11.3

Temperature should be above freezing to 6°C

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

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

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

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

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

Per Mark Harvey analyze samples AMW 6/18/12

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

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

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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

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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

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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

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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

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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		

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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		

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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		

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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		

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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		

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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		

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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		

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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		

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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		

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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		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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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		

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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	

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QUALITY CONTROL DATA

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

QC Batch: MSV/49051 Analysis Method: EPA 8260
QC Batch 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	

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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.

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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		

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

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY

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

ORIGINAL

*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

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Client Name: mile High Project # 60130503

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

Tracking #: 8000984088 Pace Shipping Label Used? ☐ Yes ☑ No

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

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☑ Other zip/c PRTCHD @ FLR.47A + DUS

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

Cooler Temperature: 3.8

Temperature should be above freezing to 6°C

Comments:

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

Chain of Custody present:	☑Yes	☐No	☐N/A
Chain of Custody filled out:	☑Yes	☐No	☐N/A
Chain of Custody relinquished:	☑Yes	☐No	☐N/A
Sampler name & signature on COC:	☑Yes	☐No	☐N/A
Samples arrived within holding time:	☑Yes	☐No	☐N/A
Short Hold Time analyses (<72hr):	☐Yes	☑No	☐N/A
Rush Turn Around Time requested:	☐Yes	☑No	☐N/A
Sufficient volume:	☑Yes	☐No	☐N/A
Correct containers used:	☑Yes	☐No	☐N/A
-Pace containers used:	☑Yes	☐No	☐N/A
Containers intact:	☑Yes	☐No	☐N/A
Unpreserved 5035A soils frozen w/in 48hrs?	☐Yes	☐No	☑N/A
Filtered volume received for dissolved tests	☐Yes	☐No	☑N/A
Sample labels match COC: -Includes date/time/ID/analyses Matrix: WT	☑Yes	☐No	☐N/A
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
Exceptions: VOA, coliform, TOC, O&G, WI-DRO (water), Phenolics	☑Yes	☐No	
Trip Blank present:	☐Yes	☑No	☐N/A
Pace Trip Blank lot # (if purchased):			
Headspace in VOA vials (>6mm):	☐Yes	☑No	☐N/A
Project sampled in USDA Regulated Area:	☐Yes	☐No	☑N/A

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14. Initial when completed ____ Lot # of added preservative ____
15.
16.
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.
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Lenexa, KS 66219
(913)599-5665

December 21, 2012

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

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

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

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

Sincerely,

Heather M. Wilson

Heather Wilson

heather.wilson@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: NM GW
Pace Project No.: 60135460

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

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SAMPLE SUMMARY

Project: NM GW
Pace Project No.: 60135460

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

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SAMPLE ANALYTE COUNT

Project: NM GW
Pace Project No.: 60135460

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60135460

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

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

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QUALITY CONTROL DATA

Project: NM GW
Pace Project No.: 60135460

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

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

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

LABORATORY CONTROL SAMPLE: 1116781

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

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QUALIFIERS

Project: NM GW
Pace Project No.: 60135460

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: MSV/50893

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NM GW
Pace Project No.: 60135460

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

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[redacted]

WO#: 60135460

60135460

Client Name: Mile High

Optional
Proj Due Date: 12/12/
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: JP 12/14/12 lno

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

Comments/ Resolution: _____

Project Manager Review: AM for MMW Date: 12/14/12

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 1

1564133

Section A Required Client Information:

Company	MILE HIGH
Address:	
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:	

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

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BTEX							Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 60135463
1	144207 DEC 12	WT	G			12-07	14:42		2				✓					✓	✓				2(DUP)				DOGE-1
2	144607 DEC 12	"	"			"	14:46		2				✓					✓									DOGE-2
3	145107 DEC 12					"	14:51		2				✓					✓									DOGE-3
4	150107 DEC 12					"	15:01		2				✓					✓									DOGE-5
5	150607 DEC 12					"	15:06		2				✓					✓									DOGE-7
6	151907 DEC 12					"	15:19		2				✓					✓									DUPE-9
7	125106 DEC 12					12-06	12:51		2				✓					✓									FIELD-AMD
8	130306 DEC 12					"	13:03		2				✓					✓									FIELD-1
9	132506 DEC 12					"	13:25		2				✓					✓									FIELD-4
10	134806 DEC 12					"	13:48		2				✓					✓									PATCHD-1
11	135706 DEC 12					"	13:57		2				✓					✓									PATCHD-5
12	141906 DEC 12	↓	↓			"	14:19		2				✓					✓					↓				PATCHD-6

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	12-13-12	4:00	FED-EX						
				[signature]	12/14/12	830	1.1	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY

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

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 07, 2013

Julie Linn

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

RE: Pritchard #2A OrderNo.: 1303036

Dear Julie Linn:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/2/2013 for the analyses presented in the following report.

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order: **1303036**
Date Reported: **3/7/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE
Project: Pritchard #2A
Lab Order: 1303036

Lab ID: 1303036-001 **Collection Date:** 2/28/2013 12:55:00 PM
Client Sample ID: MW-1 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	2.3	1.0		µg/L	1	3/5/2013 1:39:48 AM
Toluene	ND	1.0		µg/L	1	3/5/2013 1:39:48 AM
Ethylbenzene	ND	1.0		µg/L	1	3/5/2013 1:39:48 AM
Xylenes, Total	93	2.0		µg/L	1	3/5/2013 1:39:48 AM
Surr: 4-Bromofluorobenzene	103	69.7-152		%REC	1	3/5/2013 1:39:48 AM

Lab ID: 1303036-002 **Collection Date:** 2/28/2013 2:05:00 PM
Client Sample ID: MW-3 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	18	1.0		µg/L	1	3/5/2013 2:09:42 AM
Toluene	ND	1.0		µg/L	1	3/5/2013 2:09:42 AM
Ethylbenzene	ND	1.0		µg/L	1	3/5/2013 2:09:42 AM
Xylenes, Total	3.5	2.0		µg/L	1	3/5/2013 2:09:42 AM
Surr: 4-Bromofluorobenzene	99.4	69.7-152		%REC	1	3/5/2013 2:09:42 AM

Lab ID: 1303036-003 **Collection Date:** 2/28/2013 3:50:00 PM
Client Sample ID: MW-6 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	430	100		µg/L	100	3/5/2013 3:09:53 AM
Toluene	590	100		µg/L	100	3/5/2013 3:09:53 AM
Ethylbenzene	210	100		µg/L	100	3/5/2013 3:09:53 AM
Xylenes, Total	870	200		µg/L	100	3/5/2013 3:09:53 AM
Surr: 4-Bromofluorobenzene	98.7	69.7-152		%REC	100	3/5/2013 3:09:53 AM

Lab ID: 1303036-004 **Collection Date:** 2/28/2013 4:30:00 PM
Client Sample ID: MW-5 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	17	1.0		µg/L	1	3/5/2013 2:39:41 AM
Toluene	2.4	1.0		µg/L	1	3/5/2013 2:39:41 AM
Ethylbenzene	ND	1.0		µg/L	1	3/5/2013 2:39:41 AM
Xylenes, Total	14	2.0		µg/L	1	3/5/2013 2:39:41 AM
Surr: 4-Bromofluorobenzene	99.1	69.7-152		%REC	1	3/5/2013 2:39:41 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#: **1303036**

07-Mar-13

Client: LTE

Project: Pritchard #2A

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			

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

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Sample Log-In Check List

Client Name: LTE — Work Order Number: 1303036

Received by/date: AF 03/02/13

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

Completed By: **Lindsay Mangin** 3/4/2013 8:59:24 AM

Reviewed By: IO 03/04/2013

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

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

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

18. Additional remarks:

-002A - ONE VOA HAS SOME HEAD SPACE.

19. **Cooler Information**

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

Chain-of-Custody Record

Client: LT Environmental

Mailing Address: 2243 Main Ave S3
Durango CO 81301

Phone #: 970-385-1096

email or Fax#: jlinn@ltenv.com

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Pritchard #2A

Project #:

Project Manager: Julie Linn

Sampler: Brooke Herb

On Ice: ☒ Yes ☐ No

Sample Temperature: 3.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1303236	Analysis Request: 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)
2/28/13	1255	GW	MW-1	VOA/3	0001	-001	X											
2/28/13	1405	GW	MW-3	VOA/3	0001	-002	X											
			~~MW-4~~ Bail															
2/28/13	1550	GW	MW-6	VOA/3	0001	-003	X											
2/28/13	1630	GW	MW-5	VOA/3	0001	-004	X											

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/1/13	1610		Christine Walters	3/1/13	1610
3/1/13	1715	Christine Walters		3/2/13	12:00

Remarks:

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

APPENDIX B
MARCH 2013 FIELD NOTES

Water Sample Collection Form

Sample Location	Pritchard #2	Client	Williams Field Services, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	12:55	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	82.06	TD of Well	88.25
Time	12:15	Depth to Product	NA

Vol. of H2O to purge: 6.19* 0.1631 = 0.99 * 3 = 2.97

*(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
12:30	0.25	0.25	6.78	16.6	2.20	Dark gray, minor silt, no odor, no sheen
	0.25	0.50	7.04	16.4	2.40	No change
	0.25	0.75	7.05	16.4	2.41	More silt
	0.25	1.00	7.06	16.4	2.45	Darker gray, more silt
12:43	0.50	1.50	7.08	16.2	2.38	No change
	0.50	2.00	7.11	16.1	2.45	No change
	0.25	2.25	7.14	16.2	2.41	No change
	0.25	2.50	7.14	16.2	2.39	No change
	0.25	2.75	7.15	16.2	2.41	More silt, browninsh gray
12:55	0.25	3.00	7.15	16.2	2.42	No change

Comments:

Describe Deviations from SOP:

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

Water Sample Collection Form

Sample Location	Pritchard #2	Client	Williams Four Corners, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-2	Sampler	Brooke Herb
Analyses	NA		
Matrix	NA	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	79.97	TD of Well	NM
Time	16:40	Depth to Product	79.63

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.
Product recovery sock present in well; black. Returned to well after DTP and DTW measurements.

Describe Deviations from SOP:

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

Water Sample Collection Form

Sample Location	Pritchard #2	Client	Williams Field Services, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	14:05	Project #	034013001
Sample ID	MW-3	Sampler	Brooke Herb
Analyses	BTEX 8021		
Matrix	Groundwater	Laboratory	Hall Environmental
Turn Around Time	Standard	Shipping Method	Hand delivery
Depth to Water	78.02	TD of Well	83.10
Time	13:00	Depth to Product	NA
Vol. of H2O to purge	5.08* 0.1631 = 0.81 * 3 = 2.44		
	*(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
13:20	0.016	0.016	6.87	13.9	2.29	Clear

Comments: There is an obstruction in the well, possibly bent PVC. Cannot fit the 2-inch bailer down the well. Was able to get a small bailer down the well for a grab sample. Very hard to get enough water to fill all 3 VOAs. Unsuccessfully tried to use a fish hook to remove obstruction.

Describe Deviations from SOP:

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

Water Sample Collection Form

Sample Location	Pritchard #2	Client	Williams Field Services, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-4	Sampler	Brooke Herb
Analyses	NA		
Matrix	NA	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	79.55	TD of Well	NM
Time	14:20	Depth to Product	77.97

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.

Describe Deviations from SOP:

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

Water Sample Collection Form

Sample Location	Pritchard #2	Client	Williams Field Services, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	16:30	Project #	034013001
Sample ID	MW-5	Sampler	Brooke Herb
Analyses	BTEX 8021		
Matrix	Groundwater	Laboratory	Hall Environmental
Turn Around Time	Standard	Shipping Method	Hand delivery
Depth to Water	78.20	TD of Well	83.03
Time	16:00	Depth to Product	NA

Vol. of H2O to purge: 4.81* 0.16 = 0.77 * 3 = 2.30

*(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
16:07	0.25	0.25	6.87	16.1	2.53	Clear/light gray
	0.25	0.50	6.96	16.0	2.59	Black flecks, minor HC odor, no sheen
	0.25	0.75	6.97	15.7	2.54	Dark gray
	0.25	1.00	6.96	16.0	2.54	Siltier
	0.50	1.50	6.96	15.7	2.49	No change
	0.25	1.75	7.04	15.7	2.58	No change
	0.25	2.00	7.05	15.7	2.58	No change
	0.25	2.25	7.05	15.8	2.57	No change
16:30	0.25	2.50	7.05	15.7	2.54	No change

Comments:

Describe Deviations from SOP:

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

Water Sample Collection Form

Sample Location	Pritchard #2	Client	Williams Four Corners, LLC
Sample Date	2/28/2013	Project Name	Historical Groundwater
Sample Time	15:50	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	67.56	TD of Well	82.60
Time	14:30	Depth to Product	NA

Vol. of H2O to purge: 15.04* 0.16 = 2.40 * 3 = 7.22

*(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
	0.25	0.25	7.13	16.2	2.31	Clear, HC odor
14:41	0.25	0.50	7.17	16.1	2.00	Gray, minor silt
	0.25	0.75	7.18	15.9	2.22	Darker gray, sheen present
	0.25	1.00	7.19	16.3	2.35	More silt
	1.00	2.00	7.26	16.2	2.03	No change
	1.00	3.00	7.31	16.0	2.26	Light Gray
	1.00	4.00	7.42	16.2	2.07	Bailing Down
	1.00	5.00	7.37	16.0	2.14	No change
	1.00	6.00	7.42	15.9	2.03	No change
	0.25	6.25	7.29	16.2	2.15	No change
	0.25	6.50	7.30	16.3	2.06	No change
	0.25	6.75	7.30	16.2	2.02	No change
	0.25	7.00	7.31	16.2	2.06	No change
15:50	0.25	7.25	7.31	16.3	2.04	No change

Comments:

Describe Deviations from SOP:

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