3R - 317

2012 AGWMR

04 / 10 / 2013

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April 10, 2013

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

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

Dear Mr. von Goten:

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

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

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

Sincerely,

LT ENVIRONMENTAL, INC.

Kyla Vaughan
Environmental Compliance Specialist

cc: Williams Field Services, LLC

2012 ANNUAL GROUNDWATER REPORT

FLORANCE #47X
ADMINISTRATIVE/ENVIRONMENTAL ORDER NUMBER 3RP-317-0

APRIL 2013

Prepared for:

WILLIAMS FIELD SERVICES, LLC
TULSA, OKLAHOMA

2012 ANNUAL GROUNDWATER REPORT

FLORANCE #47X
ADMINISTRATIVE/ENVIRONMENTAL ORDER NUMBER
3RP-317-0

APRIL 2013

Prepared for:

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

Prepared by:

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

TABLE OF CONTENTS

FIGURES

TABLES

APPENDICES

EXECUTIVE SUMMARY

Groundwater at the Florance #47X (Administrative/Environmental Order Number 3RP-317-0) 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 a former dehydrator pit. Williams Field Services, LLC (Williams) conducted groundwater monitoring activities at the Site between April 2012 and December 2012. In January 2013, LT Environmental Inc., (LTE) was retained by Williams to visit the Site and evaluate the status of all groundwater monitoring wells, complete annual sampling requirements, and recommend improvements to the groundwater remediation program.

Between April 2012 and March 2013, five groundwater monitoring events were conducted (April 2012, June 2012, October 2012, December 2012, and March 2013). Depth to groundwater and depth to free-phase hydrocarbon data for the monitoring events conducted in 2012 was not available. Depth to groundwater data in March 2013 indicates the groundwater flow is to the southeast.

Groundwater monitoring wells MW-3 and MW-5 have historically contained free-phase hydrocarbons in the wells. Groundwater in monitoring well MW-2 in the original source area contains BTEX concentrations in excess of the New Mexico Water Quality Control Commission (NMWQCC) groundwater standards. BTEX concentrations in groundwater monitoring wells MW-1 and MW-4 are compliant with the NMWQCC groundwater standards.

Williams proposes to cease collection of groundwater samples from groundwater monitoring wells MW-1 and MW-4; Williams will continue to collect depth to water data quarterly from these wells. Williams proposes to continue quarterly sampling and depth to water or depth to product monitoring in groundwater monitoring wells MW-2, MW-3, and MW-5 in addition to exploring options for recovery of free-phase hydrocarbons from monitoring wells MW-3 and MW-5. Lastly, Williams will consider installation of two new groundwater monitoring wells downgradient of monitoring wells MW-3 and MW-5 to better delineate hydrocarbon impacts.

1.0 INTRODUCTION

LT Environmental, Inc. (LTE) on behalf of Williams Field Services, LLC (Williams) has prepared this report detailing groundwater monitoring completed from April 2012 through March 2013 at the Florance #40 (Administrative/Environmental Order Number 3RP-317-0) 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 operation of a former lined pit to collect drip gas and water from a condensate tank. From April 2012 through December 2012, Williams conducted groundwater sampling. In March 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 36.843316 and longitude -107.800667 in Unit G, Section 5, Township 30 North, Range 9 West. The Site is in Crow Canyon, a tributary to Pump Canyon in the San Juan Basin, San Juan County, New Mexico.

1.2 HISTORY

In June 1996, approximately 399 cubic yards of impacted soil were excavated from what was believed to be the former dehydrator pit. Hand written notes indicate the dimensions of the pit were 27 feet by 21 feet by 19 feet deep. A composite soil sample from the pit excavation contained 97 milligrams per kilogram (mg/kg) total benzene, toluene, ethylbenzene, and total xylenes (BTEX) and 277 mg/kg of total petroleum hydrocarbons (TPH) – diesel range organics (DRO). A test hole was drilled in the location of the excavation to a depth of 115 feet below ground surface (bgs); groundwater was encountered at 96.95 feet in this test hole. A soil sample from this test hole at 56 feet bgs contained 6,318 mg/kg TPH – gasoline range organics (GRO) and 88.2 mg/kg TPH –DRO. A groundwater sample from this test hole, renamed groundwater monitoring well MW-2, contained 18,650 micrograms per liter (µg/L) BTEX.

Between September 1999 and December 2012, Williams monitored groundwater in five monitoring wells at the Site (Figure 2). Groundwater monitoring wells MW-2 and MW-3 have contained free phase hydrocarbons at some time between 1999 and 2013. Records regarding these activities can be found in previous groundwater reports submitted to the New Mexico Oil Conservation Division (NMOCD).

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

2.0 METHODOLOGY

Groundwater monitoring activities were conducted at the Site in April 2012, June 2012, October 2012, December 2012, and March 2013. The April 2012 through December 2012 monitoring

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

2.1 WATER AND PRODUCT LEVEL MEASUREMENTS

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

2.2 GROUNDWATER SAMPLING

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

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

Groundwater monitoring well MW-2 bailed dry and did not recover during the February 2013 monitoring event; LTE returned to the Site on March 4, 2013 and collected a sample from monitoring well MW-2.

2.3 GROUNDWATER CONTOUR MAPS

LTE used existing top of casing well elevations and groundwater elevations obtained from monitoring wells during the March 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 March 2013 monitoring event is summarized on Table 2. Groundwater flow direction was determined to be to the southeast, toward Crow Canyon (Figure 2).

Groundwater monitoring wells MW-1 and MW-4 did not contain any BTEX above the NMWQCC groundwater standards during any of the sampling events. Groundwater monitoring well MW-3 contained 0.97 feet of free-phase hydrocarbons; the product recovery device was returned to the well. In March 2013, groundwater monitoring well MW-5 had tubing in it to the total depth of the well; the tubing was removed from the well and discarded. Groundwater monitoring wells MW-3 and MW-5 contained free-phase hydrocarbons. Benzene and total xylenes concentrations from groundwater monitoring well MW-2 exceeded the NMWQCC groundwater standards during the March 2013 sampling. Table 3 summarizes the groundwater analytical results and copies of the laboratory reports can be found in Appendix A.

4.0 CONCLUSIONS

BTEX concentrations in upgradient groundwater in monitoring wells MW-1 and MW-4 was compliant with NMWQCC groundwater standards during the period covered in this report. Groundwater monitoring wells MW-3 and MW-5 contained free product in March 2013 and likely contained free product during the rest of the year. Groundwater monitoring well MW-2, in the former source area, contained benzene, toluene, and total xylenes concentrations in excess of the NMWQCC groundwater standards during the 2012 monitoring events and benzene and total xylenes in excess of the NMWQCC groundwater standards during the March 2013 monitoring event.

5.0 RECOMMENDATIONS

Williams proposes to cease collection of groundwater samples from groundwater monitoring wells MW-1 and MW-4 since sample results have been below NMWQCC standards for at least eight consecutive quarters, or have demonstrated long term results below NMWQCC standards; Williams will continue to collect depth to water data quarterly from these wells. Williams proposes to continue quarterly sampling and depth to water or depth to product monitoring in groundwater monitoring wells MW-2, MW-3, and MW-5 in addition to exploring options for recovery of free-phase hydrocarbons from groundwater monitoring wells MW-3 and MW-5. Lastly, Williams will install two new groundwater monitoring wells downgradient of monitoring wells MW-3 and MW-5 to delineate hydrocarbon impacts.

FIGURES

LEGEND

SITE LOCATION

IMAGE COURTESY OF ESRI/BING MAPS

0 2,000 4,000

Feet

N

FIGURE 1
SITE LOCATION MAP
FLORANCE #47X
SAN JUAN COUNTY, NEW MEXICO

WILLIAMS FIELD SERVICES, LLC

P:\Williams Four Corners\GIS\MXD\034013001_FLORANCE 47X\034013001_FLORANCE_47X_FIG01_SL.mxd

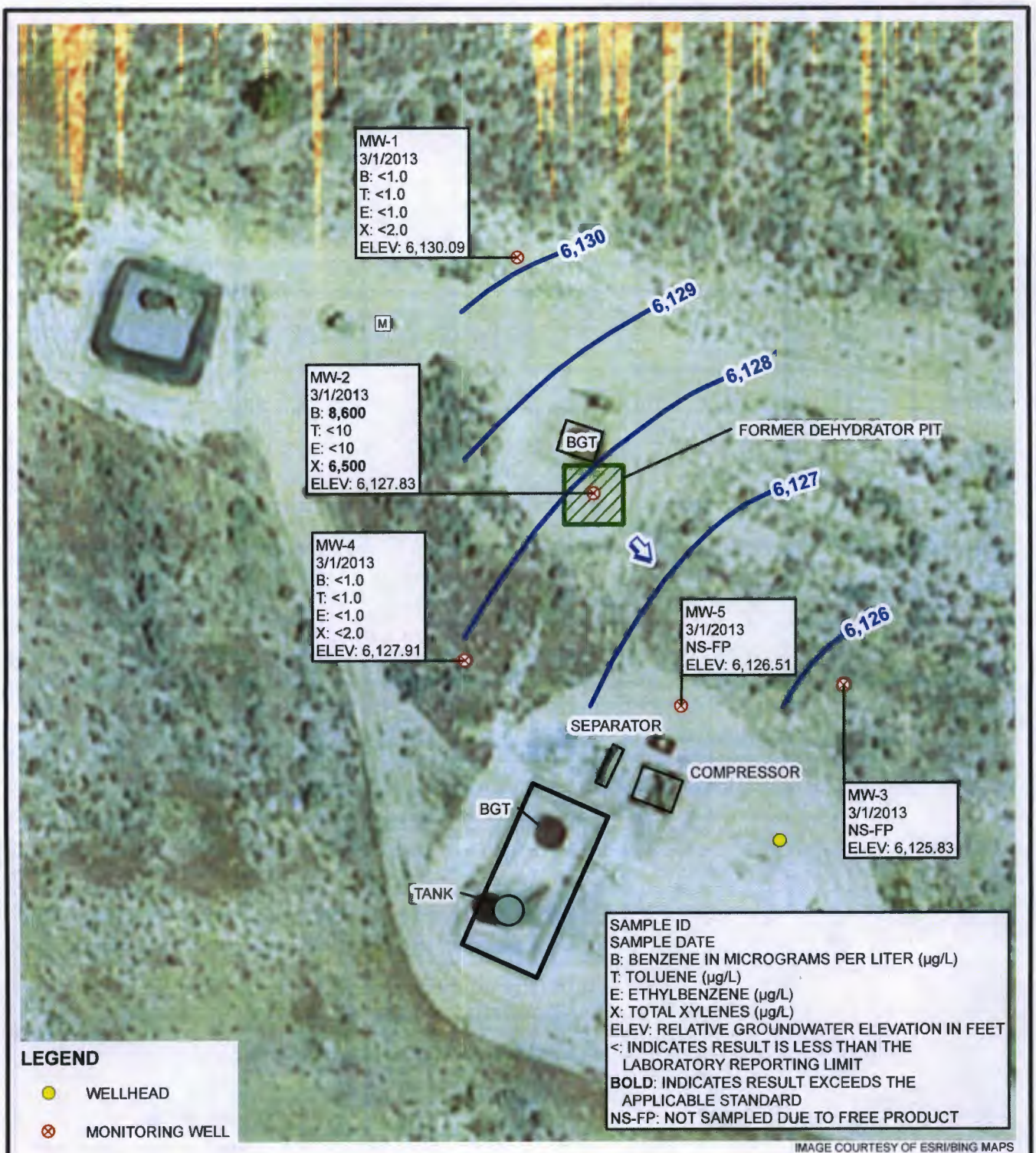

FIGURE 2
GROUNDWATER ELEVATION & ANALYTICAL RESULTS
FLORANCE #47X
SAN JUAN COUNTY, NEW MEXICO
WILLIAMS FIELD SERVICES, LLC

P:\Williams Four Corners\GIS\MXD\034013001_FLORANCE47X\034013001_FLORANCE_47X_FIG02_GWELEV_GWANALY.mxd

TABLES

TABLE 1

CROSS REFERENCE WELL NAME AND SAMPLE IDENTIFIER
APRIL 2012 THROUGH DECEMBER 2012 SAMPLE DATES
FLORANCE #47X
WILLIAMS FIELD SERVICES, LLC

Sample Identifier	Well Name	Sample Date
163102APR12	MW-1	4/2/2012
171413JUN12	MW-1	6/13/2012
145402OCT12	MW-1	10/2/2012
144106DEC12	MW-1	12/6/2012
163902APR12	MW-2	4/2/2012
174413JUN12	MW-2	6/13/2012
150902OCT12	MW-2	10/2/2012
145006DEC12	MW-2	12/6/2012
164902APR12	MW-4	4/2/2012
175613JUN12	MW-4	6/13/2012
151502OCT12	MW-4	10/2/2012
145906DEC12	MW-4	12/6/2012

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

TABLE 2

GROUNDWATER ELEVATION SUMMARY
FLORANCE #47X
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	3/1/2013	NP	NP	99.52	6130.09
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	3/1/2013	NP	NP	98.47	6127.83
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 *	3/1/2013	91.51	0.97	92.48	6125.83
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	3/1/2013	NP	NP	92.02	6127.91
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	3/1/2013	90.46	0.02	90.48	6126.51

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)
* - Due to presence of product recovery device, this may not be static water level

TABLE 3

GROUNDWATER LABORATORY ANALYTICAL RESULTS
FLORANCE #47X
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	<1.0	<1.0	<1.0	<3.0
MW-1	6/13/2012	<1.0	<1.0	<1.0	<3.0
MW-1	10/2/2012	1.1	<1.0	<1.0	<3.0
MW-1	12/6/2012	<1.0	<1.0	<1.0	<3.0
MW-1	3/1/2013	<1.0	<1.0	<1.0	<2.0
MW-2	4/2/2012	**10,000**	**710**	<100	**6,390**
MW-2	6/13/2012	**11,200**	**716**	<50.0	**6,790**
MW-2	10/2/2012	**10,200**	**765**	<100	**7,260**
MW-2	12/6/2012	**8,280**	**722**	<50.0	**5,610**
MW-2	3/1/2013	**8,600**	<10	<10	**6,500**
MW-3	4/2/2012	NS	NS	NS	NS
MW-3	6/13/2012	NS	NS	NS	NS
MW-3	10/2/2012	NS	NS	NS	NS
MW-3	12/6/2012	NS	NS	NS	NS
MW-3	3/1/2013	NSP	NSP	NSP	NSP
MW-4	4/2/2012	<1.0	<1.0	<1.0	6.1
MW-4	6/13/2012	<1.0	<1.0	<1.0	3.7
MW-4	10/2/2012	<1.0	<1.0	<1.0	4.5
MW-4	12/6/2012	<1.0	<1.0	<1.0	6
MW-4	3/1/2013	<1.0	<1.0	<1.0	<2.0
MW-5	4/2/2012	NS	NS	NS	NS
MW-5	6/13/2012	NS	NS	NS	NS
MW-5	10/2/2012	NS	NS	NS	NS
MW-5	12/6/2012	NS	NS	NS	NS
MW-5	3/1/2013	NSP	NSP	NSP	NSP

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
Pace Project No.: 60119078

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

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

Sincerely,

Heather M. Wilson

Heather Wilson

heather.wilson@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: NM GW
Pace Project No.: 60119078

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
Pace Project No.: 60119078

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60119078001	**163102APR06**	Water	04/02/12 16:31	04/10/12 10:00
60119078002	**163902APR06**	Water	04/02/12 16:39	04/10/12 10:00
60119078003	**164902APR06**	Water	04/02/12 16:49	04/10/12 10:00
60119078004	**132806APR06**	Water	04/06/12 13:28	04/10/12 10:00
60119078005	**134206APR06**	Water	04/06/12 13:42	04/10/12 10:00
60119078006	**135506APR06**	Water	04/06/12 13:55	04/10/12 10:00
60119078007	**140706APR06**	Water	04/06/12 14:07	04/10/12 10:00
60119078008	**142006APR06**	Water	04/06/12 14:20	04/10/12 10:00
60119078009	**143106APR06**	Water	04/06/12 14:31	04/10/12 10:00
60119078010	**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
Pace Project No.: 60119078

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60119078001	**163102APR06**	EPA 8260	JTS	9
60119078002	**163902APR06**	EPA 8260	JTS	9
60119078003	**164902APR06**	EPA 8260	JTS	9
60119078004	**132806APR06**	EPA 8260	JTS	9
60119078005	**134206APR06**	EPA 8260	JTS	9
60119078006	**135506APR06**	EPA 8260	RNS	9
60119078007	**140706APR06**	EPA 8260	RNS	9
60119078008	**142006APR06**	EPA 8260	RNS	9
60119078009	**143106APR06**	EPA 8260	RNS	9

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

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119078

Sample: 163102APR06 **Lab ID: 60119078001** Collected: 04/02/12 16:31 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 13:54	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 13:54	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 13:54	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 13:54	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%	86-112	1		04/12/12 13:54	1868-53-7	
Toluene-d8 (S)	95	%	90-110	1		04/12/12 13:54	2037-26-5	
4-Bromofluorobenzene (S)	102	%	87-113	1		04/12/12 13:54	460-00-4	
1,2-Dichloroethane-d4 (S)	93	%	82-119	1		04/12/12 13:54	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 13:54		

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

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119078

Sample: 163902APR06 **Lab ID: 60119078002** Collected: 04/02/12 16:39 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	**10000**	ug/L	100	100		04/12/12 14:11	71-43-2	
Ethylbenzene	**710**	ug/L	100	100		04/12/12 14:11	100-41-4	
Toluene	ND	ug/L	100	100		04/12/12 14:11	108-88-3	
Xylene (Total)	**6390**	ug/L	300	100		04/12/12 14:11	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92	%	86-112	100		04/12/12 14:11	1868-53-7	
Toluene-d8 (S)	100	%	90-110	100		04/12/12 14:11	2037-26-5	
4-Bromofluorobenzene (S)	102	%	87-113	100		04/12/12 14:11	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	82-119	100		04/12/12 14:11	17060-07-0	
Preservation pH	**1.0**		1.0	100		04/12/12 14:11		

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

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119078

Sample: 164902APR06 **Lab ID: 60119078003** Collected: 04/02/12 16:49 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 14:27	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 14:27	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 14:27	108-88-3	
Xylene (Total)	**6.1**	ug/L	3.0	1		04/12/12 14:27	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	92	%	86-112	1		04/12/12 14:27	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 14:27	2037-26-5	
4-Bromofluorobenzene (S)	105	%	87-113	1		04/12/12 14:27	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	82-119	1		04/12/12 14:27	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 14:27		

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

ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119078

Sample: 132806APR06 **Lab ID: 60119078004** Collected: 04/06/12 13:28 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 14:43	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 14:43	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 14:43	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 14:43	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%	86-112	1		04/12/12 14:43	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 14:43	2037-26-5	
4-Bromofluorobenzene (S)	103	%	87-113	1		04/12/12 14:43	460-00-4	
1,2-Dichloroethane-d4 (S)	91	%	82-119	1		04/12/12 14:43	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 14:43		

Pace Analytical Services, Inc.
9608 Loiret Blvd.
Lenexa, KS 66219
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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119078

Sample: 134206APR06 **Lab ID: 60119078005** Collected: 04/06/12 13:42 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 15:00	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 15:00	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 15:00	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 15:00	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	93	%	86-112	1		04/12/12 15:00	1868-53-7	
Toluene-d8 (S)	94	%	90-110	1		04/12/12 15:00	2037-26-5	
4-Bromofluorobenzene (S)	102	%	87-113	1		04/12/12 15:00	460-00-4	
1,2-Dichloroethane-d4 (S)	94	%	82-119	1		04/12/12 15:00	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 15:00		

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119078

Sample: 135506APR06 **Lab ID: 60119078006** Collected: 04/06/12 13:55 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	**3.7**	ug/L	1.0	1		04/14/12 04:57	71-43-2	
Ethylbenzene	**63.9**	ug/L	1.0	1		04/14/12 04:57	100-41-4	
Toluene	**2.3**	ug/L	1.0	1		04/14/12 04:57	108-88-3	
Xylene (Total)	**142**	ug/L	3.0	1		04/14/12 04:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	86-112	1		04/14/12 04:57	1868-53-7	
Toluene-d8 (S)	109	%	90-110	1		04/14/12 04:57	2037-26-5	
4-Bromofluorobenzene (S)	101	%	87-113	1		04/14/12 04:57	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	82-119	1		04/14/12 04:57	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/14/12 04:57		

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119078

Sample: 140706APR06 **Lab ID: 60119078007** Collected: 04/06/12 14:07 Received: 04/10/12 10:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		04/12/12 10:03	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 10:03	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 10:03	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 10:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	86-112	1		04/12/12 10:03	1868-53-7	
Toluene-d8 (S)	97	%	90-110	1		04/12/12 10:03	2037-26-5	
4-Bromofluorobenzene (S)	102	%	87-113	1		04/12/12 10:03	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	82-119	1		04/12/12 10:03	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 10:03		

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119078

Sample: 142006APR06 **Lab ID: 60119078008** Collected: 04/06/12 14:20 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 10:18	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 10:18	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 10:18	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 10:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	86-112	1		04/12/12 10:18	1868-53-7	
Toluene-d8 (S)	98	%	90-110	1		04/12/12 10:18	2037-26-5	
4-Bromofluorobenzene (S)	101	%	87-113	1		04/12/12 10:18	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	82-119	1		04/12/12 10:18	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 10:18		

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ANALYTICAL RESULTS

Project: NM GW
Pace Project No.: 60119078

Sample: 143106APR06 **Lab ID: 60119078009** Collected: 04/06/12 14:31 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 10:33	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		04/12/12 10:33	100-41-4	
Toluene	ND	ug/L	1.0	1		04/12/12 10:33	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		04/12/12 10:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	105	%	86-112	1		04/12/12 10:33	1868-53-7	
Toluene-d8 (S)	96	%	90-110	1		04/12/12 10:33	2037-26-5	
4-Bromofluorobenzene (S)	100	%	87-113	1		04/12/12 10:33	460-00-4	
1,2-Dichloroethane-d4 (S)	105	%	82-119	1		04/12/12 10:33	17060-07-0	
Preservation pH	**1.0**		1.0	1		04/12/12 10:33		

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QUALITY CONTROL DATA

Project: NM GW
Pace Project No.: 60119078

QC Batch: MSV/44874 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60119078001, 60119078002, 60119078003, 60119078004, 60119078005

METHOD BLANK: 980212 Matrix: Water
Associated Lab Samples: 60119078001, 60119078002, 60119078003, 60119078004, 60119078005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	04/12/12 09:50	
Ethylbenzene	ug/L	ND	1.0	04/12/12 09:50	
Toluene	ug/L	ND	1.0	04/12/12 09:50	
Xylene (Total)	ug/L	ND	3.0	04/12/12 09:50	
1,2-Dichloroethane-d4 (S)	%	90	82-119	04/12/12 09:50	
4-Bromofluorobenzene (S)	%	102	87-113	04/12/12 09:50	
Dibromofluoromethane (S)	%	89	86-112	04/12/12 09:50	
Toluene-d8 (S)	%	95	90-110	04/12/12 09:50	

LABORATORY CONTROL SAMPLE: 980213

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	18.1	91	82-117	
Ethylbenzene	ug/L	20	18.3	91	79-121	
Toluene	ug/L	20	19.3	96	80-120	
Xylene (Total)	ug/L	60	55.5	92	79-120	
1,2-Dichloroethane-d4 (S)	%			91	82-119	
4-Bromofluorobenzene (S)	%			101	87-113	
Dibromofluoromethane (S)	%			93	86-112	
Toluene-d8 (S)	%			91	90-110	

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QUALITY CONTROL DATA

Project: NM GW
Pace Project No.: 60119078

QC Batch: MSV/44875 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60119078007, 60119078008, 60119078009

METHOD BLANK: 980214 Matrix: Water
Associated Lab Samples: 60119078007, 60119078008, 60119078009

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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QUALITY CONTROL DATA

Project: NM GW
Pace Project No.: 60119078

QC Batch: MSV/44918
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60119078006

METHOD BLANK: 981471 Matrix: Water
Associated Lab Samples: 60119078006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	04/14/12 04:26	
Ethylbenzene	ug/L	ND	1.0	04/14/12 04:26	
Toluene	ug/L	ND	1.0	04/14/12 04:26	
Xylene (Total)	ug/L	ND	3.0	04/14/12 04:26	
1,2-Dichloroethane-d4 (S)	%	103	82-119	04/14/12 04:26	
4-Bromofluorobenzene (S)	%	99	87-113	04/14/12 04:26	
Dibromofluoromethane (S)	%	101	86-112	04/14/12 04:26	
Toluene-d8 (S)	%	100	90-110	04/14/12 04:26	

LABORATORY CONTROL SAMPLE: 981472

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	20	19.5	98	82-117	
Ethylbenzene	ug/L	20	18.4	92	79-121	
Toluene	ug/L	20	19.2	96	80-120	
Xylene (Total)	ug/L	60	56.7	95	79-120	
1,2-Dichloroethane-d4 (S)	%			104	82-119	
4-Bromofluorobenzene (S)	%			102	87-113	
Dibromofluoromethane (S)	%			101	86-112	
Toluene-d8 (S)	%			102	90-110	

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QUALIFIERS

Project: NM GW
Pace Project No.: 60119078

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/44874

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

Batch: MSV/44875

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

Batch: MSV/44918

[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.: 60119078

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60119078001	**163102APR06**	EPA 8260	MSV/44874		
60119078002	**163902APR06**	EPA 8260	MSV/44874		
60119078003	**164902APR06**	EPA 8260	MSV/44874		
60119078004	**132806APR06**	EPA 8260	MSV/44874		
60119078005	**134206APR06**	EPA 8260	MSV/44874		
60119078006	**135506APR06**	EPA 8260	MSV/44918		
60119078007	**140706APR06**	EPA 8260	MSV/44875		
60119078008	**142006APR06**	EPA 8260	MSV/44875		
60119078009	**143106APR06**	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

1369885

Section A Required Client Information:

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

Section B Required Project Information:

Report To:	M. HARVEY
Copy To:	
Purchase Order No.:	
Project Name:	NM GW
Project Number:	FLR47X + ICE

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: NM

Section D Required Client Information

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

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	163102APR06	WT	G	4-2-12			16:31		2				✓					✓	2DGAH		FLR47X-1 01
2	163902APR06			"			16:39		1				✓					✓	1DGAH		FLR47X-2 02
3	164902APR06			"			16:49		2				✓					✓	2DGAH		FLR47X-4 03
4	132806APR06			4-6-12			13:28		2				✓					✓			ICE-8 04
5	134206APR06			"			13:42		2				✓					✓			ICE-1 05
6	135506APR06			"			13:55		2				✓					✓			ICE-SVE4 06
7	140706APR06			"			14:07		2				✓					✓			ICE-7 07
8	142006APR06			"			14:20		2				✓					✓			ICE-4 08
9	143106APR06			"			14:31		2				✓					✓			ICE-5 09
10																					
11																					
12																					

60119078

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	M. HARVEY / MILE HIGH	4-9-12	3:50p	FED-EX	4-9		
				Phuray	4/10	1000	4.0 Y N Y

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY

SIGNATURE of SAMPLER: M. Harvey 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.

Sample Condition Upon Receipt

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Client Name: mile High Project # 60119078

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

Tracking #: 8001 1020 5172 Pace Shipping Label Used? ☐ Yes ☑ No

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

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

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: JV 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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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

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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

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

Page: 1 of 1

1372650

Section A Required Client Information:

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

Section B Required Project Information:

Report To: MARK HARVEY
Copy To:
Purchase Order No.:
Project Name: NM GW
Project Number: FLR 40 + PATCHO + FLR 47X

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: FCA
STATE: NM

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

Pace Project No./ Lab I.D.: 60123512

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	151313JUN12 2DGAH	WT	G			6-13	15:13		2				✓					✓		FLR 40-AMO 001
2	153113JUN12	↓	↓			"	15:31		2				✓					✓		FLR 40-MW4 002
3	155613JUN12	↓	↓			"	15:56		2				✓					✓		PATCHO MW 1 003
4	161413JUN12	↓	↓			"	16:14		2				✓					✓		PATCHO MW-3 004
5	163313JUN12	↓	↓			"	16:33		2				✓					✓		PATCHO MW-5 005
6	164713JUN12	↓	↓			"	16:47		2				✓					✓		~~[illegible]~~-MW-6 006
7	171413JUN12	↓	↓			"	17:14		2				✓					✓		FLR 47X-MW-1 007
8	174413JUN12	↓	↓			"	17:44		2				✓					✓		FLR 47X-MW-2 008
9	175613JUN12	↓	↓			"	17:56		2				✓					✓		FLR 47X MW-4 009
10																				
11																				
12																				

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

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.

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

Sample Condition Upon Receipt

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Client Name: Mile High Services Project # 60123512

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

Tracking #: 8001 2095 7037 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: -Includes date/time/ID/analyses Matrix: WT	☑Yes ☐No ☐N/A	13.
All containers needing preservation have been checked.	☐Yes ☐No ☑N/A	14.
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	
Exceptions: (VOA), coliform, TOC, O&G, WI-DRO (water), Phenolics	☑Yes ☐No	Initial when completed ____ Lot # of added preservative ____
Trip Blank present: Pace Trip Blank lot # (if purchased): ____	☐Yes ☑No ☐N/A	15.
Headspace in VOA vials (>6mm):	☐Yes ☑No ☐N/A	16.
Project sampled in USDA Regulated Area:	☐Yes ☐No ☑N/A	17. List State: ____

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

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

Comments/ Resolution: Emailed about cooler out of temp AMW 6/18/12
Per Mark Harvey analyze samples AMW 6/18/12

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		

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QUALITY CONTROL DATA

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

QC Batch: MSV/49035
QC Batch Method: EPA 8260
Analysis 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
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60130503002

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

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

LABORATORY CONTROL SAMPLE: 1075347

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

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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:	Section B Required Project Information:	Section C Invoice Information:
Company: MILE HIGH	Report To: M. HARVEY	Attention:
Address: 221 S. MAIN AZTEC, NM 87410	Copy To:	Company Name:
Email To:	Purchase Order No.:	Address: Pace Quote Reference:
Phone: 505-402-1958 Fax:	Project Name: NM GW	Pace Project Manager:
Requested Due Date/TAT:	Project Number: PATCHD + FLR47X + DVS	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☒ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: NM

Section D Required Client Information

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

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	132702 OCT 12	WT	G			10-2	13:27		2				✓					X	X		PATCHD-1 001
2	141102 OCT 12					"	14:11		2				✓					X			PATCHD-5 002
3	142202 OCT 12					"	14:22		2				✓					X			PATCHD-6 003
4	145402 OCT 12					"	14:54		2				✓					X			47X-1 004
5	150902 OCT 12					"	15:09		2				✓					X			47X-2 005
6	151502 OCT 12					"	15:15		2				✓					X			47X-4 006
7	164002 OCT 12					"	16:40		2				✓					X			DVS-1 007
8	164702 OCT 12					"	16:47		2				✓					X			DVS-4 008
9	165402 OCT 12					"	16:54		2				✓					X			DVS-7 009
10	170202 OCT 12	↓	↓			"	17:02		2				✓					X	↓		DVS-6 010
11																					
12																					

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY

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

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

*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 #: 8009284 4088 Pace Shipping Label Used? ☐ Yes ☑ No

Optional
Proj. Due Date: 11/11/12
Proj. Name: NM [illegible]

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: 2.8

Temperature should be above freezing to 6°C

Date and Initials of person examining contents: JW 10/4/12

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

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

Person Contacted: ____ Date/Time: ____

Comments/ Resolution: ____

Project Manager Review: [signature] Date: 10/5/12

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

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December 21, 2012

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

RE: Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

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

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CERTIFICATIONS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

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 JIC + FLR47X
Pace Project No.: 60135457

Lab ID	Sample ID	Matrix	Date Collected	Date Received
60135457001	**EDD**	Water	12/07/12 13:00	12/14/12 08:30
60135457002	**130007DEC12**	Water	12/07/12 13:00	12/14/12 08:30
60135457003	**131307DEC12**	Water	12/07/12 13:13	12/14/12 08:30
60135457004	**132007DEC12**	Water	12/07/12 13:20	12/14/12 08:30
60135457005	**132907DEC12**	Water	12/07/12 13:29	12/14/12 08:30
60135457006	**134307DEC12**	Water	12/07/12 13:43	12/14/12 08:30
60135457007	**134807DEC12**	Water	12/07/12 13:48	12/14/12 08:30
60135457008	**140007DEC12**	Water	12/07/12 14:00	12/14/12 08:30
60135457009	**144106DEC12**	Water	12/06/12 14:41	12/14/12 08:30
60135457010	**145006DEC12**	Water	12/06/12 14:50	12/14/12 08:30
60135457011	**145906DEC12**	Water	12/06/12 14:59	12/14/12 08:30

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SAMPLE ANALYTE COUNT

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Lab ID	Sample ID	Method	Analysts	Analytes Reported
60135457002	130007DEC12	EPA 8260	PRG	9
60135457003	131307DEC12	EPA 8260	PRG	9
60135457004	132007DEC12	EPA 8260	PRG	9
60135457005	132907DEC12	EPA 8260	PRG	9
60135457006	134307DEC12	EPA 8260	JTS, PRG	9
60135457007	134807DEC12	EPA 8260	RNS	9
60135457008	140007DEC12	EPA 8260	RNS	9
60135457009	144106DEC12	EPA 8260	RNS	9
60135457010	145006DEC12	EPA 8260	RNS	9
60135457011	145906DEC12	EPA 8260	RNS	9

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ANALYTICAL RESULTS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Sample: 130007DEC12 **Lab ID: 60135457002** Collected: 12/07/12 13:00 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		12/18/12 04:48	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 04:48	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 04:48	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 04:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	98	%	80-120	1		12/18/12 04:48	1868-53-7	
Toluene-d8 (S)	109	%	80-120	1		12/18/12 04:48	2037-26-5	
4-Bromofluorobenzene (S)	103	%	80-120	1		12/18/12 04:48	460-00-4	
1,2-Dichloroethane-d4 (S)	101	%	80-120	1		12/18/12 04:48	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 04:48		

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ANALYTICAL RESULTS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Sample: 131307DEC12 **Lab ID: 60135457003** Collected: 12/07/12 13:13 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		12/18/12 05:03	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 05:03	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 05:03	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 05:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	1		12/18/12 05:03	1868-53-7	
Toluene-d8 (S)	108	%	80-120	1		12/18/12 05:03	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120	1		12/18/12 05:03	460-00-4	
1,2-Dichloroethane-d4 (S)	110	%	80-120	1		12/18/12 05:03	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 05:03		

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ANALYTICAL RESULTS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Sample: 132007DEC12 **Lab ID: 60135457004** Collected: 12/07/12 13:20 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		12/18/12 05:18	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 05:18	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 05:18	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 05:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	110	%	80-120	1		12/18/12 05:18	1868-53-7	
Toluene-d8 (S)	105	%	80-120	1		12/18/12 05:18	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	1		12/18/12 05:18	460-00-4	
1,2-Dichloroethane-d4 (S)	103	%	80-120	1		12/18/12 05:18	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 05:18		

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ANALYTICAL RESULTS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Sample: 132907DEC12 **Lab ID: 60135457005** Collected: 12/07/12 13:29 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		12/18/12 05:32	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/18/12 05:32	100-41-4	
Toluene	ND	ug/L	1.0	1		12/18/12 05:32	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/18/12 05:32	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	104	%	80-120	1		12/18/12 05:32	1868-53-7	
Toluene-d8 (S)	105	%	80-120	1		12/18/12 05:32	2037-26-5	
4-Bromofluorobenzene (S)	98	%	80-120	1		12/18/12 05:32	460-00-4	
1,2-Dichloroethane-d4 (S)	100	%	80-120	1		12/18/12 05:32	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 05:32		

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ANALYTICAL RESULTS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Sample: 134307DEC12 **Lab ID: 60135457006** Collected: 12/07/12 13:43 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	**1650**	ug/L	20.0	20		12/18/12 19:57	71-43-2	
Ethylbenzene	**145**	ug/L	1.0	1		12/18/12 05:47	100-41-4	
Toluene	**1810**	ug/L	20.0	20		12/18/12 19:57	108-88-3	
Xylene (Total)	**1630**	ug/L	60.0	20		12/18/12 19:57	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	80-120	1		12/18/12 05:47	1868-53-7	
Toluene-d8 (S)	98	%	80-120	1		12/18/12 05:47	2037-26-5	
4-Bromofluorobenzene (S)	100	%	80-120	1		12/18/12 05:47	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-120	1		12/18/12 05:47	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/18/12 05:47		

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ANALYTICAL RESULTS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Sample: 134807DEC12 **Lab ID: 60135457007** Collected: 12/07/12 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	**10200**	ug/L	50.0	50		12/20/12 11:02	71-43-2	E,P2
Ethylbenzene	**315**	ug/L	50.0	50		12/20/12 11:02	100-41-4	
Toluene	**1540**	ug/L	50.0	50		12/20/12 11:02	108-88-3	
Xylene (Total)	**1760**	ug/L	150	50		12/20/12 11:02	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%	80-120	50		12/20/12 11:02	1868-53-7	HS
Toluene-d8 (S)	99	%	80-120	50		12/20/12 11:02	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-120	50		12/20/12 11:02	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-120	50		12/20/12 11:02	17060-07-0	
Preservation pH	**6.0**		1.0	50		12/20/12 11:02		pH

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ANALYTICAL RESULTS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Sample: 140007DEC12 **Lab ID: 60135457008** Collected: 12/07/12 14:00 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 12:48	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/12 12:48	100-41-4	
Toluene	ND	ug/L	1.0	1		12/20/12 12:48	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/20/12 12:48	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	101	%	80-120	1		12/20/12 12:48	1868-53-7	
Toluene-d8 (S)	98	%	80-120	1		12/20/12 12:48	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-120	1		12/20/12 12:48	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-120	1		12/20/12 12:48	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 12:48		

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ANALYTICAL RESULTS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Sample: 144106DEC12 **Lab ID: 60135457009** Collected: 12/06/12 14:41 Received: 12/14/12 08:30 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST, Water	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		12/20/12 13:03	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/12 13:03	100-41-4	
Toluene	ND	ug/L	1.0	1		12/20/12 13:03	108-88-3	
Xylene (Total)	ND	ug/L	3.0	1		12/20/12 13:03	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	102	%	80-120	1		12/20/12 13:03	1868-53-7	
Toluene-d8 (S)	99	%	80-120	1		12/20/12 13:03	2037-26-5	
4-Bromofluorobenzene (S)	101	%	80-120	1		12/20/12 13:03	460-00-4	
1,2-Dichloroethane-d4 (S)	102	%	80-120	1		12/20/12 13:03	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 13:03		

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ANALYTICAL RESULTS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Sample: 145006DEC12 **Lab ID: 60135457010** Collected: 12/06/12 14:50 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	**8280**	ug/L	50.0	50		12/20/12 13:18	71-43-2	
Ethylbenzene	**722**	ug/L	50.0	50		12/20/12 13:18	100-41-4	
Toluene	ND	ug/L	50.0	50		12/20/12 13:18	108-88-3	
Xylene (Total)	**5610**	ug/L	150	50		12/20/12 13:18	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	80-120	50		12/20/12 13:18	1868-53-7	
Toluene-d8 (S)	101	%	80-120	50		12/20/12 13:18	2037-26-5	
4-Bromofluorobenzene (S)	102	%	80-120	50		12/20/12 13:18	460-00-4	
1,2-Dichloroethane-d4 (S)	107	%	80-120	50		12/20/12 13:18	17060-07-0	
Preservation pH	**1.0**		1.0	50		12/20/12 13:18		

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ANALYTICAL RESULTS

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Sample: 145906DEC12 **Lab ID: 60135457011** Collected: 12/06/12 14:59 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 13:33	71-43-2	
Ethylbenzene	ND	ug/L	1.0	1		12/20/12 13:33	100-41-4	
Toluene	ND	ug/L	1.0	1		12/20/12 13:33	108-88-3	
Xylene (Total)	**6.0**	ug/L	3.0	1		12/20/12 13:33	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	103	%	80-120	1		12/20/12 13:33	1868-53-7	
Toluene-d8 (S)	102	%	80-120	1		12/20/12 13:33	2037-26-5	
4-Bromofluorobenzene (S)	104	%	80-120	1		12/20/12 13:33	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	80-120	1		12/20/12 13:33	17060-07-0	
Preservation pH	**1.0**		1.0	1		12/20/12 13:33		

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QUALITY CONTROL DATA

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

QC Batch: MSV/50853 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60135457002, 60135457003, 60135457004, 60135457005, 60135457006

METHOD BLANK: 1116016 Matrix: Water
Associated Lab Samples: 60135457002, 60135457003, 60135457004, 60135457005, 60135457006

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

LABORATORY CONTROL SAMPLE: 1116017

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

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QUALITY CONTROL DATA

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

QC Batch: MSV/50879
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60135457006

METHOD BLANK: 1116579 Matrix: Water
Associated Lab Samples: 60135457006

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

LABORATORY CONTROL SAMPLE: 1116580

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

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QUALITY CONTROL DATA

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

QC Batch: MSV/50893 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 60135457007, 60135457008, 60135457009, 60135457010, 60135457011

METHOD BLANK: 1116780 Matrix: Water
Associated Lab Samples: 60135457007, 60135457008, 60135457009, 60135457010, 60135457011

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 JIC + FLR47X
Pace Project No.: 60135457

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/50853

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

Batch: MSV/50879

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

Batch: MSV/50893

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

ANALYTE QUALIFIERS

E	Analyte concentration exceeded the calibration range. The reported result is estimated.
HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
pH	Post-analysis pH measurement indicates insufficient VOA sample preservation.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: NM GW JIC + FLR47X
Pace Project No.: 60135457

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
60135457002	**130007DEC12**	EPA 8260	MSV/50853		
60135457003	**131307DEC12**	EPA 8260	MSV/50853		
60135457004	**132007DEC12**	EPA 8260	MSV/50853		
60135457005	**132907DEC12**	EPA 8260	MSV/50853		
60135457006	**134307DEC12**	EPA 8260	MSV/50853		
60135457006	**134307DEC12**	EPA 8260	MSV/50879		
60135457007	**134807DEC12**	EPA 8260	MSV/50893		
60135457008	**140007DEC12**	EPA 8260	MSV/50893		
60135457009	**144106DEC12**	EPA 8260	MSV/50893		
60135457010	**145006DEC12**	EPA 8260	MSV/50893		
60135457011	**145906DEC12**	EPA 8260	MSV/50893		

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[redacted]

WO# : 60135457

60135457

Client Name: Mile High

Optional
Proj Due Date 12/21
Proj Name:

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

Tracking #: 6022 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 lmo

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: MA / Lot # of added preservative
Trip Blank present:	☐Yes ☒No ☐N/A	
Pace Trip Blank lot # (if purchased): MA		15.
Headspace in VOA vials (>6mm)	☒Yes ☐No ☐N/A	1348DEC 1340 07 DEC 12 1st 2 vials
		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: AAT for HMW Date 12/14/12

4

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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

1564132

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: MILE HIGH	Report To: MARK HARVEY	Attention:
Address: 221 S MAIN AVE AZTEC, NM 87410	Copy To:	Company Name:
Email To:	Purchase Order No.:	Address: Pace Quote Reference:
Phone: 505-402-1958 Fax:	Project Name: NM GW	Pace Project Manager:
Requested Due Date/TAT:	Project Number: JIC + FLR47X	Pace Profile #:

REGULATORY AGENCY

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

Site Location STATE: 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	Y/N	Analysis Test: BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D. 60135457
1	130007 DEC 12	WT	G			12-07	13:00		2				X					X		JIC-1	2(DUP)
2	131307 DEC 12	"	"			12-07	13:13		2				X					X		JIC-10	
3	132007 DEC 12	"	"			12-07	13:20		2				X					X		JIC-2	
4	132907 DEC 12	"	"			12-07	13:29		2				X					X		JIC-8	
5	134307 DEC 12	"	"			12-07	13:43		2				X					X		JIC-3	
6	134807 DEC 12	"	"			12-07	13:48		2				X					X		JIC-6	
7	140007 DEC 12	"	"			12-07	14:00		2				X					X		JIC-9	
8	144106 DEC 12	"	"			12-06	14:41		2				X					X		47X-1	
9	145006 DEC 12	"	"			12-06	14:50		2				X					X		47X-2	
10	145906 DEC 12	"	"			12-06	14:59		2				X					X		47X-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)
	M. HARVEY / MILE HIGH	12-13-12	4:00	FED-EX						
				[signature] (Pace)	12/14/12	830	1.1	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: M. HARVEY

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM/DD/YY): 12-13-12

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

March 07, 2013

Julie Linn

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

RE: Florance 47X OrderNo.: 1303037

Dear Julie Linn:

Hall Environmental Analysis Laboratory received 2 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: **1303037**
Date Reported: **3/7/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE
Project: Florance 47X
Lab Order: 1303037

Lab ID: 1303037-001 **Collection Date:** 3/1/2013 10:45:00 AM
Client Sample ID: MW-4 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	3/5/2013 3:39:53 AM
Toluene	ND	1.0		µg/L	1	3/5/2013 3:39:53 AM
Ethylbenzene	ND	1.0		µg/L	1	3/5/2013 3:39:53 AM
Xylenes, Total	ND	2.0		µg/L	1	3/5/2013 3:39:53 AM
Surr: 4-Bromofluorobenzene	96.7	69.7-152		%REC	1	3/5/2013 3:39:53 AM

Lab ID: 1303037-002 **Collection Date:** 3/1/2013 11:53:00 AM
Client Sample ID: MW-1 **Matrix:** AQUEOUS

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	3/5/2013 4:10:02 AM
Toluene	ND	1.0		µg/L	1	3/5/2013 4:10:02 AM
Ethylbenzene	ND	1.0		µg/L	1	3/5/2013 4:10:02 AM
Xylenes, Total	ND	2.0		µg/L	1	3/5/2013 4:10:02 AM
Surr: 4-Bromofluorobenzene	104	69.7-152		%REC	1	3/5/2013 4:10:02 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#: **1303037**

07-Mar-13

Client: LTE

Project: Florance 47X

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: LTE Work Order Number: 1303037

Received by/date: AF 03/02/13

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

Completed By: **Lindsay Mangin** 3/4/2013 9:05:50 AM

Reviewed By: IO 03/04/2013

Chain of Custody

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

Log In

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

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

Special Handling (if applicable)

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

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

18. Additional remarks:

-002A - ONE VOA HAS SOME HEAD SPACE.

19. Cooler Information

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

Chain-of-Custody Record

Client: LT Environmental

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

Phone #: 970-355-1096

email or Fax#: jlinn@ltenv.com

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush _____

Project Name: Florance 47X

Project #:

Project Manager: Julie Linn

Sampler: Brooke Herb

On Ice: ☒ Yes

Sample Temperature: 7.4

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 1303034	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)
1/1/13	1045	GW	MW-4	VOA/3	cool	-001	X															
1/1/13	1153	GW	MW-1	VOA/3	cool	-002	X															

Remarks:

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

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.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

Hall Environmental Analysis Laboratory
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Website: www.hallenvironmental.com

March 18, 2013

Julie Linn

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

RE: Florance #47X OrderNo.: 1303403

Dear Julie Linn:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/8/2013 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 **1303403**
Date Reported: **3/18/2013**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: LTE
Client Sample ID: MW-2
Project: Florance #47X
Collection Date: 3/4/2013 1:20:00 PM
Lab ID: 1303403-001
Matrix: AQUEOUS
Received Date: 3/8/2013 10:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **RAA**
Benzene	8600	100		µg/L	100	3/12/2013 3:21:49 PM
Toluene	ND	10		µg/L	10	3/12/2013 5:22:37 AM
Ethylbenzene	ND	10		µg/L	10	3/12/2013 5:22:37 AM
Xylenes, Total	6500	200		µg/L	100	3/12/2013 3:21:49 PM
Surr: 1,2-Dichloroethane-d4	89.5	70-130		%REC	10	3/12/2013 5:22:37 AM
Surr: 4-Bromofluorobenzene	112	69.5-130		%REC	10	3/12/2013 5:22:37 AM
Surr: Dibromofluoromethane	93.8	70-130		%REC	10	3/12/2013 5:22:37 AM
Surr: Toluene-d8	90.5	70-130		%REC	10	3/12/2013 5:22:37 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#: **1303403**

18-Mar-13

Client: LTE

Project: Florance #47X

Sample ID **5ml rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R9117**	RunNo: **9117**
Prep Date:	Analysis Date: **3/11/2013**	SeqNo: **259724** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Surr: 1,2-Dichloroethane-d4	8.6		10.00		86.2	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		99.6	69.5	130			
Surr: Dibromofluoromethane	9.1		10.00		91.0	70	130			
Surr: Toluene-d8	9.5		10.00		94.7	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R9117**	RunNo: **9117**
Prep Date:	Analysis Date: **3/11/2013**	SeqNo: **259725** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Toluene	21	1.0	20.00	0	103	80	120			
Surr: 1,2-Dichloroethane-d4	8.7		10.00		87.1	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		98.7	69.5	130			
Surr: Dibromofluoromethane	9.1		10.00		90.6	70	130			
Surr: Toluene-d8	9.2		10.00		91.9	70	130			

Sample ID **5ml-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R9145**	RunNo: **9145**
Prep Date:	Analysis Date: **3/12/2013**	SeqNo: **260276** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 1,2-Dichloroethane-d4	8.6		10.00		86.4	70	130			
Surr: 4-Bromofluorobenzene	10		10.00		103	69.5	130			
Surr: Dibromofluoromethane	9.3		10.00		93.1	70	130			
Surr: Toluene-d8	9.4		10.00		94.0	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R9145**	RunNo: **9145**
Prep Date:	Analysis Date: **3/12/2013**	SeqNo: **260277** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	104	70	130			
Surr: 1,2-Dichloroethane-d4	8.9		10.00		88.9	70	130			
Surr: 4-Bromofluorobenzene	9.2		10.00		92.2	69.5	130			
Surr: Dibromofluoromethane	9.3		10.00		93.2	70	130			
Surr: Toluene-d8	9.1		10.00		91.1	70	130			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: LTE Work Order Number: 1303403

Received by/date: MG 03/08/13

Logged By: **Anne Thorne** 3/8/2013 10:00:00 AM Anne Thorne

Completed By: **Anne Thorne** 3/8/2013 Anne Thorne

Reviewed By: AT 03/08/13

Chain of Custody

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

Log In

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

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

Special Handling (if applicable)

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

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

18. Additional remarks:

19. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Not Present			

Chain-of-Custody Record

Client: LT Environmental

Mailing Address: 2243 Main Ave #3 Durango CO 81301

Phone #:

email or Fax#: jlinn@ltenv.com

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

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: Florance # 47x

Project #:

Project Manager: Julie Linn

Sampler: Devin Hencmann

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.0

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. 1303403	BTEX + ~~MTBE + TMB's~~ (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
3/4/13	1320	GW	MW-2	VOA/3	COOL	-001	X															

Analysis Request

Remarks:

Date:	Time:	Relinquished by:	Received by:	Date	Time
3/7/13	1451		Matthew Weeks	3/7/13	1451
3/7/13	1750		Mitchell Tsin	03/08/13	10:00

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

APPENDIX B
MARCH 2013 FIELD NOTES

Water Sample Collection Form

Sample Location	Florance #47X	Client	Williams Field Services, LLC
Sample Date	3/1/2013	Project Name	Historical Groundwater
Sample Time	11:53	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	99.52	TD of Well	107.50
Time	10:55	Depth to Product	NA

Vol. of H2O to purge 7.98* 0.16 = 1.27 * 3 = 3.83

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

Method of Purging PVC Bailer

Method of Sampling PVC Bailer

Time	Vol. Removed (gallons)	Total Vol H2O removed (gallons)	pH (standard units)	Temp. (°C)	Conductivity (ms)	Comments
11:20	0.25	0.25	6.72	16.0	2.87	Dark gray, cloudy, no odor, no sheen
	0.25	0.50	6.44	15.2	2.82	No change
	0.25	0.75	6.51	15.5	2.82	No change
	0.25	1.00	6.45	15.6	2.82	No change
	1.00	2.00	6.52	15.6	2.83	No change
	1.00	3.00	6.50	15.6	2.88	No change
	0.25	3.25	6.50	15.8	2.83	No change
	0.25	3.50	6.49	15.9	2.82	No change
	0.25	3.75	6.50	16.0	2.85	No change
11:50	0.25	4.00	6.49	16.0	2.83	No change

Comments:

Describe Deviations from SOP: None

Signature: Brooke Herb **Date:** 3/1/2013

Water Sample Collection Form

Sample Location	Florance #47X	Client	Williams Field Services, LLC
Sample Date	3/1/2013	Project Name	Historical Groundwater
Sample Time	13:20	Project #	034013001
Sample ID	MW-2	Sampler	Brooke Herb
Analyses	BTEX 8021		
Matrix	Groundwater	Laboratory	Hall Environmental
Turn Around Time	Standard	Shipping Method	Hand delivery
Depth to Water	98.47	TD of Well	101.81
Time	12:00	Depth to Product	NA

Vol. of H2O to purge 3.34* 0.16 = 0.53 * 3 = 1.60

*(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 (µs)	Comments
12:18	0.25	0.25	7.22	16.8	1,436	Strong HC odor, minor sheen, clearish gray with black particles and debris
	0.25	0.50	7.23	17.0	1,433	No change
	0.25	0.75	7.31	17.0	1,463	Black, heavier sheen
	0.25	1.00	7.37	17.0	1,525	No change
12:30	0.25	1.25	7.43	17.1	1,538	No change
						Bailed Dry at 12:35

Comments: Well bailed dry at 12:35. Return to MW-2 at 13:45, no water in bailer. Return to well after dumping purge water at 15:25, well still dry. Return March 4, 2013 for grab sample. It feels like there is an obstruction at ~98.00 feet preventing the bailer from going any deeper. Was able to collect grab sample at 13:20.

Describe Deviations from SOP: See Above

Signature: Brooke Herb **Date:** 3/1/2013

Water Sample Collection Form

Sample Location	Florance #47X	Client	Williams Field Services, LLC
Sample Date	3/1/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-3	Sampler	Brooke Herb
Analyses	NA		
Matrix	NA	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	92.48	TD of Well	NM
Time	13:40	Depth to Product	91.51

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 device in well; returned to well after DTW and DTP measurements were complete.

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 3/1/2013

Water Sample Collection Form

Sample Location	Florance #47X	Client	Williams Field Services, LLC
Sample Date	3/1/2013	Project Name	Historical Groundwater
Sample Time	10:45	Project #	034013001
Sample ID	MW-4	Sampler	Brooke Herb
Analyses	BTEX 8021		
Matrix	Groundwater	Laboratory	Hall Environmental
Turn Around Time	Standard	Shipping Method	Hand delivery
Depth to Water	92.02	TD of Well	102.55
Time	9:40	Depth to Product	NA
Vol. of H2O to purge	10.53* 0.16 = 1.68 * 3 = 5.05		
	*(height of water column * 0.1631 for 2" well or 0.6524 for 4" well) * 3 well vols*		
Method of Purging	PVC Bailer		
Method of Sampling	PVC Bailer		

Time	Vol. Removed (gallons)	Total Vol H2O removed (gallons)	pH (standard units)	Temp. (°C)	Conductivity (ms)	Comments
9:51	0.25	0.25	5.45	14.8	2.68	Brown, silty
	0.25	0.50	5.65	14.4	2.55	No change
	0.25	0.75	5.70	14.0	2.66	No change
	0.25	1.00	5.62	14.4	2.57	No change
	1.00	2.00	5.74	14.7	2.63	Bailing down - bailers only 1/2 full
	1.00	3.00	5.68	14.9	2.62	less silt
	1.00	4.00	5.65	15.0	2.65	No change
	0.25	4.25	5.56	14.5	2.61	No change
	0.25	4.50	5.39	14.9	2.68	No change
	0.25	4.75	5.43	14.8	2.71	No change
	0.25	5.00	5.44	14.9	2.68	No change
10:45	0.25	5.25	5.43	14.8	2.66	No change

Comments:

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 3/1/2013

Water Sample Collection Form

Sample Location	Florance #47X	Client	Williams Field Services, LLC
Sample Date	3/1/2013	Project Name	Historical Groundwater
Sample Time	NA	Project #	034013001
Sample ID	MW-5	Sampler	Brooke Herb
Analyses	NA		
Matrix	NA	Laboratory	NA
Turn Around Time	NA	Shipping Method	NA
Depth to Water	90.48	TD of Well	NM
Time	12:40	Depth to Product	90.46
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.
Probe had gray sludge on it.
Tubing was present in the well all the way to the bottom; product was on the bottom 5 feet of tubing.
The tubing was removed from well and discarded.

Describe Deviations from SOP:

Signature: Brooke Herb **Date:** 3/1/2013