AP - 102

2014 AGWMR

04 / 02 / 2015

CONESTOGA-ROVERS
& ASSOCIATES

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April 2, 2015 Reference No. 086242

Mr. Glenn von Gonten
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Re: Submittal of 2014 Annual Groundwater
Monitoring and Confirmation Drilling Report
Thoreau Compressor Station No. 5
AP-102
Transwestern Pipeline Company
McKinley County, New Mexico

Dear Mr. von Gonten:

Attached please find one copy of the 2014 Annual Groundwater Monitoring and Drilling Confirmation Report for the above referenced site. If you have any questions or comments with regards to this report, please do not hesitate to contact our Albuquerque office at (505) 884-0672.

Yours truly,

CONESTOGA-ROVERS & ASSOCIATES

Christine Mathews
Project Scientist

CM/mc/2
Encl.

Attachments:
2014 Annual Groundwater Monitoring and Confirmation Drilling Report

Cc: Ms. Stacy Boultinghouse, Energy Transfer
Mr. Patric Antonio, Navajo Nation Environmental Protection Agency

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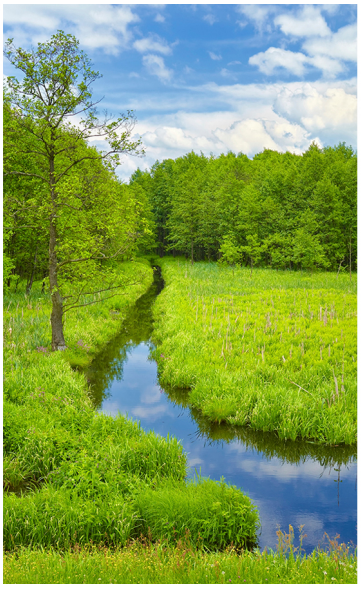

2014 Annual Groundwater Monitoring and Confirmation Drilling Report

THOREAU COMPRESSOR STATION No. 5
MCKINLEY COUNTY, NEW MEXICO

NMOCD: AP-102

Prepared for: TRANSWESTERN PIPELINE COMPANY, LLC

Conestoga-Rovers & Associates
6121 Indian School Road, NE Suite 200
Albuquerque, New Mexico 87110

MARCH, 2015 • 086242 • Report No. 2

Partners in Sustainability

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Section 1.0 Introduction

This report presents the results of the 2014 groundwater sampling event, aquifer pumping, soil boring, and monitoring well plug and abandonment performed by Conestoga-Rovers and Associates (CRA). These activities were performed at the Transwestern Pipeline Company, LLC. (Transwestern) Thoreau Compressor Station No. 5 (Site), located in McKinley County, New Mexico. The Site is situated approximately 1.5 miles north-northwest of Thoreau, New Mexico. Geographical coordinates for the Site are 35°25'34.55" north and 108°14'9.63" west. Properties adjacent to the Site are owned by the Navajo Nation and the Bureau of Land Management. A Site location map and detail map are included as **Figures 1** and **2**, respectively. Site consulting responsibilities were transferred from Cypress to Conestoga Rovers & Associates, Inc. (CRA) in January 2014.

1.1 Background

In March 1989, Daniel B. Stephens & Associates (DBS&A) was retained by Transwestern to investigate the hydrogeology at four compressor stations. A Consent Decree had been issued by the EPA due to the potential release of polychlorinated biphenyl (PCB) compounds in soils at these sites. Transwestern utilized synthetic lubricating oil containing Aroclor-1242 in a gas turbine, which contaminated downstream elements of the Transwestern system via natural gas condensate. The potential PCB releases may have occurred from waste gas condensate liquids generated during pipeline cleaning operations.

The results of this initial investigation revealed the presence of hydrocarbons and PCBs within a shallow alluvial aquifer beneath the Station and Site. However, impacts to the regional aquifer were not found. The Consent Decree was terminated following a determination by the EPA in late 1992. The EPA concluded that Transwestern had met the terms and conditions of the Consent Decree. Following the termination of the Consent Decree, Transwestern began working solely with the New Mexico Oil Conservation Division (NMOCD) and the Navajo Nation for Site monitoring and remediation activities to address remaining impacts to the shallow alluvial aquifer.

From April to December of 1992, a nitrate injection pilot test was conducted at the Site in the immediate vicinity of monitoring well 5-35B. The pilot test was performed to assess the feasibility of nitrate-enhanced bioremediation of Site impacts. The pilot test resulted in reductions in concentrations of toluene, xylene, and ethylbenzene; however, no significant reduction in benzene was observed. Following the test, a decision was made to pursue bioremediation based on aerobic rather than anaerobic degradation.

The Phase I remediation system was placed into service on December 9, 1994. This system consisted of a single ½ HP electric regenerative blower which extracted soil vapor from monitoring well 5-35B.

The Phase II system was implemented in 1996 with the installation of 11 air sparge points (AS-1 thru AS-11), two dedicated soil vapor extraction (SVE) wells (SVE-1 and SVE-2), and the installation of associated surface equipment. During drilling activities at AS-2, soil impacts originating from a former surface impoundment for gas condensate liquids were discovered (**Figure 2**). It was determined that this former surface impoundment was likely the primary source of Site benzene impacts. The Phase III system was implemented in late 1997 with the addition of five air sparge wells (AS-12 through AS-16) and two additional SVE wells (SVE-3 and SVE-4). The SVE system was shut down in November 2010 because of declining volatile organic compounds (VOCs) detected in the system influent.

In 2006, during construction to replace the pig receiver, a petroleum hydrocarbon odor was noted as soil was excavated from around the concrete pedestal supporting the receiver. Laboratory analysis of a soil sample from the area revealed elevated total petroleum hydrocarbons (TPH). Subsequently, 130 cubic yards of soil was excavated from the area around the pig receiver. Waste characterization samples were taken from soil stockpiles prior to disposal. The samples revealed elevated TPH in the diesel and motor oil range, as well as trace amounts of PCBs.

PCBs have been detected in groundwater samples collected from two Site wells in the extreme southeast corner of the facility (monitoring wells 5-59 and 5-06C). The source of PCBs detected in perched groundwater is not fully understood.

1.2 Hydrogeology

The Chinle Formation is the principal bedrock underlying the station. The Chinle Formation is comprised primarily of red claystones and mudstones and is roughly 1000 to 1300 feet thick. In addition, there is a middle Chinle Formation member, the Sonsela sandstone, which is approximately 90 to 130 feet thick at a depth of approximately 650 feet below the station. The Sonsela sandstone is the shallowest aquifer that is used as a water supply in the Thoreau area.

The Chinle Formation is overlain by 30 to more than 75 feet of alluvium over most of the Site and surrounding area. The alluvium consists of reddish brown, silty sand that is fine- to very fine-grained, moderately to well sorted, with thin, silty, interbeds. Approximately 1 to 5 feet of weathered, sandy clay marks the transition between the surficial alluvium and underlying Chinle Formation.

Perched groundwater is present in the alluvium on top of the Chinle Formation. The perched zone is approximately 10 to 15 feet thick over most of the Site, with the thickness increasing locally due to the presence of paleochannels that occur from the erosion of the Chinle Formation. The water table elevation at the Site has declined significantly since 1993 due primarily to decreased water use at the facility.

Section 2.0 Groundwater Monitoring Methodology and Analytical Results

2.1 Groundwater Monitoring Summary

A groundwater sampling event was conducted at the Site from April 21 through April 22, 2014. Prior to collection of groundwater samples, depth to groundwater in each well was measured using an oil/water interface probe. Groundwater elevations are detailed in **Table 1**. A groundwater potentiometric surface map is presented as **Figure 3**. The groundwater gradient was approximately 0.039 feet per foot. Depth to groundwater ranged from 51.63 to 61.84 feet bgs. Apparent groundwater flow at the Site is to the south and is consistent with historical data.

2.2 Groundwater Monitoring Methodology

During the April 2014 monitoring event, water was purged from monitoring wells 5-06C, 5-16B, 5-18B, 5-20B, and 5-59 with a low flow bladder pump until field parameters stabilized. Due to insufficient well volume, monitoring wells SVE-3 and 5-35B were purged of three well volumes or until dry using dedicated, polyethylene, 1.5-inch disposable bailers. While purging each well, groundwater parameter data, including temperature, pH, conductivity, dissolved oxygen, and oxidation-reduction potential were collected using a multi-parameter sonde. Field parameters are summarized on **Table 2**. Groundwater samples were placed in laboratory prepared bottles, packed on ice, and shipped under chain-of-custody documentation to Hall Environmental Analysis Laboratory (Hall) in Albuquerque, NM.

Groundwater samples from monitoring wells SVE-3, 5-06C, 5-16B, 5-18B, 5-20B, 5-35B, and 5-59 were analyzed for benzene, ethylbenzene, toluene, and total xylenes (BTEX) by EPA Method 8260. Groundwater samples from monitoring wells 5-06C and 5-59 were also analyzed for PCBs by EPA Method 8082. A summary of analytical results for BTEX constituents is presented on **Table 3**. A summary of analytical results for PCBs is presented on **Table 4**.

2.3 Groundwater Monitoring Analytical Results

The New Mexico Water Quality Control Commission (NMWQCC) mandates that groundwater quality in New Mexico be protected. Groundwater quality standards can be found in Title 20, Chapter 6, Part 2, Section 3103 of the New Mexico Administrative Code (20.6.2.3103 NMAC).

Results of the April 2014 groundwater sampling event are discussed below:

- Groundwater from monitoring well 5-02C was found to contain phase-separated hydrocarbons (PSH) during pumping activities and was not sampled.
- **Benzene:** The NMWQCC groundwater quality standard for benzene is 10 micrograms per liter (ug/L). Groundwater samples collected from monitoring wells 5-16B, 5-35B, and SVE-3 were found to contain benzene at concentrations of 5,000 ug/L, 2,500 ug/L, and 6,800 ug/L, respectively (**Figure 4**).
- **Total Xylenes:** The NMWQCC groundwater quality standard for total xylenes is 620 ug/L. Groundwater samples collected from monitoring wells 5-16B, 5-35B, and SVE-3 were found to contain xylenes at concentrations of 2,500 ug/L, 830 ug/L, and 1,900 ug/L, respectively.
- **PCBs:** The NMWQCC groundwater quality standard for PCBs is 1.0 ug/L. The groundwater sample collected from monitoring well 5-06C was found to contain PCBs at a concentration of 1.4 ug/L (**Figure 4**).

Elevated benzene concentrations in groundwater appear to be localized to an area extending from 5-35B to 5-02C and from 5-35B to 5-16B (see **Tables 2 and 3**). Since Phase III of the remediation system was installed in late 1997, detected benzene concentrations in monitoring well 5-16B have increased from 41 ug/L in February 1998, to a high of 5100 ug/L in July 2013. As of April 2014, the concentration of benzene in 5-16B is 5,000 ug/L. Concentrations of PCBs continue to indicate a decreasing trend. While PCB concentrations in monitoring well 5-06C remained nearly stable (1.4 ug/L), the concentrations in monitor well 5-59 were less than 0.25 ug/l.

A copy of the Laboratory Analytical Report for the annual groundwater sampling event is included in **Appendix A**.

Section 3.0 Aquifer Pumping

CRA performed short pumping tests to assess whether the minimal amount of water present in the wells will allow for effective removal of PSH during a mobile dual phase extraction (MDPE) event. The pumping tests were performed on monitoring wells 5-02C and SVE-3 to assess drawdown and potential PSH removal. CRA had initially proposed to perform pumping on monitoring well 5-34B, but there was not enough water in the well to allow pumping at this location.

Each of the wells was gauged using an oil/water interface probe and the data recorded. A temporary down-hole pump was installed in each of the monitoring wells. During pumping, the amount of water and the amount of PSH produced was estimated, and the amount of drawdown was also measured. Discharge from these wells was placed in the 200 gallon purge water containment tank located in the SVE shed for future disposal.

During gauging activities, PSH was not detected in monitoring well 5-02C. Approximately 1/8-inch of PSH was observed in the purge bucket after approximately 2 gallons of groundwater had been pumped out of the well. Monitoring well 5-02C dewatered after approximately 5 minutes of pumping and was allowed to recharge for approximately one hour. After recharge, the well was gauged again, at which time a 0.72 foot thick layer of PSH was detected within the well.

A visible sheen was noted in the purge bucket after pumping approximately 2.5 gallons of water from SVE-3.The thickness of this PSH was not measureable. The monitoring well went dry after pumping an additional 0.25 gallons from the well and no additional PSH was observed.

Due to the presence of PSH appearing after groundwater has already been purged from the monitoring wells, it seems that hydrocarbon contamination is trapped below the top of groundwater.

Section 4.0 Confirmation Soil Drilling

Five hollow stem auger borings were advanced at the site to assess the residual hydrocarbon concentrations in the soil. Enviro-Drill, Inc. (Enviro-Drill) of Albuquerque, New Mexico performed the drilling during the weeks of November 17 and November 24, 2014.

Prior to drilling activities, New Mexico One Call was contacted and CRA coordinated drilling activities with on-site Transwestern Staff to have them review the drilling locations for the presence of subsurface utilities. Additionally, each soil boring was pre-cleared using a hand auger to a depth of five feet below ground surface (bgs). The first borehole, B-1, was advanced in the vicinity of the historical soil concentrations. Four additional borings, borings B-2 through B-5, were advanced to the north, south, east, and west of the area exhibiting historical elevated soil concentrations to assess the current level of hydrocarbon concentrations (**Figure 5**).

Soil borings were advanced to total depths of approximately 60 feet bgs or refusal. Samples were collected beginning at 5 ft bgs and every 5 ft thereafter using a 2-inch (in.) diameter by 24-in. long split spoon sampler. Cuttings and samples were logged by a CRA Geologist according to the Unified Soil Classification System. Field screening for petroleum hydrocarbons was performed using the heated headspace method.

A calibrated, Ion Phocheck Tiger photoionization detector (PID) was used to collect headspace measurements and results were recorded on CRA boring logs.

Between one and three samples from each boring were collected for laboratory analysis of gasoline, diesel, and oil range total petroleum hydrocarbons (TPH-GRO, DRO, ORO) by EPA method 8015B modified and BTEX by EPA method 8260B. Soil samples were placed into laboratory prepared jars, stored in a cooler with ice, and hand delivered to Hall Environmental Analytical Laboratory for analysis under chain of custody documentation.

4.1 Subsurface Lithology and Laboratory Results

The soil type observed in split spoon samples and drill cuttings collected from ground surface to approximately 40 feet bgs consisted primarily of reddish brown sand with silt and sandy clay. CRA observed hard drilling at approximately 40 feet bgs in borings B-1, B-2, and B-3, with samples indicating a possible caliche layer (**Figures 6** and **7)**. Field headspace readings were elevated for the hard drilling zone in borings B-1 and B-2. A laboratory sample submitted between 44 and 45.5 ft bgs in boring B-1 contained elevated concentrations of total TPH. It appears that the permeability in the hard drilling zone may be too low for previous SVE attempts to have been effective. Due to the apparent low permeability and its location well above groundwater, this zone does not seem to be a source for groundwater contamination.

Between 55 and 60 feet, each boring graded from primarily sand to sandy clay, with trace to some gravel. This interval was observed to be moist to damp but never saturated. Below 60 feet bgs, each boring encountered hard, dry, red clay with blue mottling, that may be the Chinle Formation. This hard clay layer acts as a lower confining unit.

The laboratory results indicated TPH-ORO concentrations were below laboratory detection limits in the soil samples. Soil samples collected from borings B-3 and B-4 were below analytical laboratory reporting limits (LRL). A summary of soil sample laboratory results are:

- **Benzene** - The sample collected from 60 to 62 feet bgs in boring B-1 contained 18 milligrams per kilogram (mg/kg) benzene.
- **Total BTEX** –The samples collected from boring B-1 at 56 to 58 feet bgs and 60 to 61.5 feet bgs contained total BTEX concentrations at 51 and 73.3 mg/kg, respectively. The sample collected from 57 to 58.5 feet bgs in boring B-2 contained total BTEX concentrations at 162.2 mg/kg. The sample collected from 60 to 62 feet bgs in boring B-5 contained total BTEX concentrations at 627 mg/kg.
- **TPH** – The samples collected from boring B-1 at 56 to 58 feet bgs and 60 to 61.5 feet bgs contained TPH at 2,400 and 1,910 mg/kg, respectively. The sample collected from 57 to 58.5 feet bgs in boring B-2 contained TPH at 3,540 mg/kg. The sample collected from 60 to 62 feet bgs in boring B-5 contained TPH at 14,600 mg/kg.

Elevated concentrations of BTEX and TPH appear to be present primarily in the hard drilling zone observed at 40 ft bgs and in the sandy clay zone between 55 and 60 ft bgs. These are only present in borings B-1, B-2, and B-5. Based on confirmation soil drilling, the source of benzene impacts appears to be located between borings B-3 and B-1. Petroleum hydrocarbon concentrations that were observed in the soil appear to correlate well to elevated benzene and xylene concentrations present in the groundwater. Boring B-5 did not contain BTEX or TPH above laboratory analytical detection limits until the depth of 58 to 60 ft bgs.

Based on the laboratory analytical data, elevated soil concentrations were observed in two areas:

- The hard drilling caliche layer at 40 ft bgs; and
- At, within, and above the clay layer in the water bearing zone.

Soil laboratory analytical results are summarized in **Table 5** and in **Figures 6** and **7**. The soil sample laboratory analytical report is included as **Appendix B**. Boring logs are included as **Appendix C**.

Based on the results of the soil data, it appears that the former SVE system was mostly successful in remediating the subsurface with the exception of:

- The hard drilling zone observed in borings B-1, B-2, and B-3 at a depth of approximately 40 ft bgs. It appears that the permeability in this zone may be too low for SVE to have been effective; and
- The water bearing soils above the hard clay layer observed from approximately 58 to 60 ft bgs. The presence of water in the soils most likely prevented SVE from being effective.

Upon completion of drilling activities, the annulus of the boreholes were plugged and abandoned using a 95% cement/5% bentonite grout mix.

4.2 Waste

Soil cuttings generated during drilling activities were placed in 55 gallon drums pending laboratory analysis. A waste characterization sample was collected from drill cuttings that exceeded 100 ppm during field screening with a PID. Cuttings that were less than 100 ppm were thin spread at the Site.

The characterization sample was submitted to Hall Environmental Laboratory for analysis of Toxicity Leaching Characteristic Procedure (TCLP) benzene, TPH-GRO, DRO, and ORO, reactivity, corrosivity, ignitability, TCLP Resource Conservation and Recovery Act (RCRA) metals, and PCBs.

Three drums of soil cuttings, along with one drum of water from decontamination, were subsequently hauled by Industrial Ecosystems, Inc. (IEI), of Aztec, New Mexico, to their land farm for disposal. Waste disposal documentation is presented as **Appendix D**.

Section 5.0 Monitoring Well Plugging and Abandonments

A number of monitoring wells and soil vapor extraction wells are no longer viable for data collection. Monitoring wells 5-02B, 5-04B, 5-12B, 5-13B, 5-14B, 5-15B, 5-19B, 5-22B, 5-23B, 5-24B, 5-41B, and wells SVE-1 and SVE-2 were plugged and abandoned during the weeks of November 17 and November 24, 2014. Plugging and abandonment was performed in general accordance with New Mexico Office of State Engineer (NMOSE) requirements. A well plugging plan was submitted to the Navajo Nation Environmental Protection Agency (NNEPA) and the Navajo Nation Water Code Administration. This plugging plan was approved on October 7, 2014.

Prior to beginning plugging activities, specifications for the wells including well identification number, casing diameter, total depth, and depth to groundwater were field checked. The theoretical grout volumes were calculated and actual grout volumes used in each monitoring well were recorded. This information is included in **Table 6**.

All Site wells were plugged by Enviro-Drill using a tremie pipe to pump Type I/II Portland cement into each of the wells from total depth to the top of each casing. All surface completions were removed, and a minimum of a six inch thick cement plug was placed on the ground surface. The plug was labeled with the well name and date of plug and abandonment. Monitoring wells 5-12B, 5-13B, 5-14B, 5-15B, 5-19B, 5-23B, and 5-24B contained a steel inner casing that could not be removed. In these instances, the inner casing was filled to surface with concrete and labeled in the same manner as all other plugged and abandoned Site wells. Demolition debris was disposed of by Enviro-Drill at a nearby landfill.

Well Plugging Plan of Operations forms and subsequent regulatory approvals are included as **Appendix E**. A Photo log documenting plugging and abandonment field activities is included as **Appendix F**.

Section 6.0 Conclusions and Recommendations

Based on the data that was collected during this assessment, CRA makes the following conclusions:

- Elevated benzene concentrations in groundwater appear to be localized to an area extending from 5-35B to 5-02C and from 5-35B to 5-16B (see **Figure 4**). Since Phase III of the remediation system was installed in late 1997, benzene concentrations in monitoring well 5-16B have increased from 41 ug/L in February 1998, to a high of 5,100 ug/L in July 2013. As of April 2014, the concentration of benzene in 5-16B is 5,000 ug/L.
- Concentrations of PCBs continue to follow a decreasing trend. While PCB concentrations in monitoring well 5-06C remained nearly stable at 1.4 ug/L, the concentrations in monitoring well 5-59 were less than 0.25 ug/L (below the regulatory limit).
- Soil lithology graded from primarily sand to sandy clay with some gravels between 55 and 60 feet, just above the Chinle Formation. This interval was observed to be moist to damp but never saturated.
- Elevated concentrations of BTEX and TPH in soil appear to be present primarily above the hard clay zone between 55 and 60 feet bgs. These concentrations were observed in borings B-1, B-2, and B-5. Petroleum hydrocarbon concentrations that were observed in the soil appear to correlate well to elevated benzene and xylene concentrations present in the groundwater.
- The groundwater observed in the monitor wells appears to be representative of the minimal quantity of groundwater in the subsurface.
- Based on the results of the soil data, it appears that the former SVE system was mostly successful in remediating the subsurface with the exception of:
  - The hard drilling zone observed in borings B-1, B-2, and B-3 at an approximate depth of 40 ft bgs. It appears that the permeability in this zone may be too low for SVE to have been effective; and
  - The water bearing soils above the hard clay layer observed from approximately 58 to 60 ft bgs. The presence of water in the soils most likely prevented SVE from being effective.

Recommendations:

- Groundwater monitoring should be continued for the respective constituents of concern.
- The collection of additional data to assess the oxidative/reductive state of wells containing PCB concentrations should be included in 2015 annual groundwater monitoring. The assessment should be performed to confirm that favorable conditions for continued biodegradation are present.
- Previously, CRA proposed the use of mobile dual phase extraction (MDPE) pending confirmation of drilling results. However the new data suggests that this may not be as effective as originally thought to do:
  - The hydrocarbon concentrations affecting the groundwater occur in a relatively thin zone above the hard clay layer that acts as a lower confining unit. Because this layer is thin (three to four feet thick), MDPE may not be able to produce a sufficiently large radius of influence within this zone to be effective.
  - The residual concentrations observed in the top of the hard clay layer will continue to act as a source of hydrocarbons in the groundwater.

Because of these potential issues, the data was reviewed by CRA's Innovative Technology Group (ITG). Based on the data, the ITG felt that chemical oxidation would be a more effective option for soil and groundwater remediation than MDPE. This is because:

- The chemical oxidant could be injected into existing air sparge and monitoring wells. This would minimize the number of wells needed and reduce subsurface disturbance, while providing for good distribution of oxidant at the proper depth;
- The relatively impermeable Chinle Formation will act as a lower confining unit for the chemical oxidant and help to spread the material throughout the impacted zone; and
- The chemical oxidant would reduce the concentrations present at the surface of the hard clay layer. This should reduce the chance of residual hydrocarbon concentrations appearing in the groundwater.

Section 7.0 Proposed Modified Path Forward

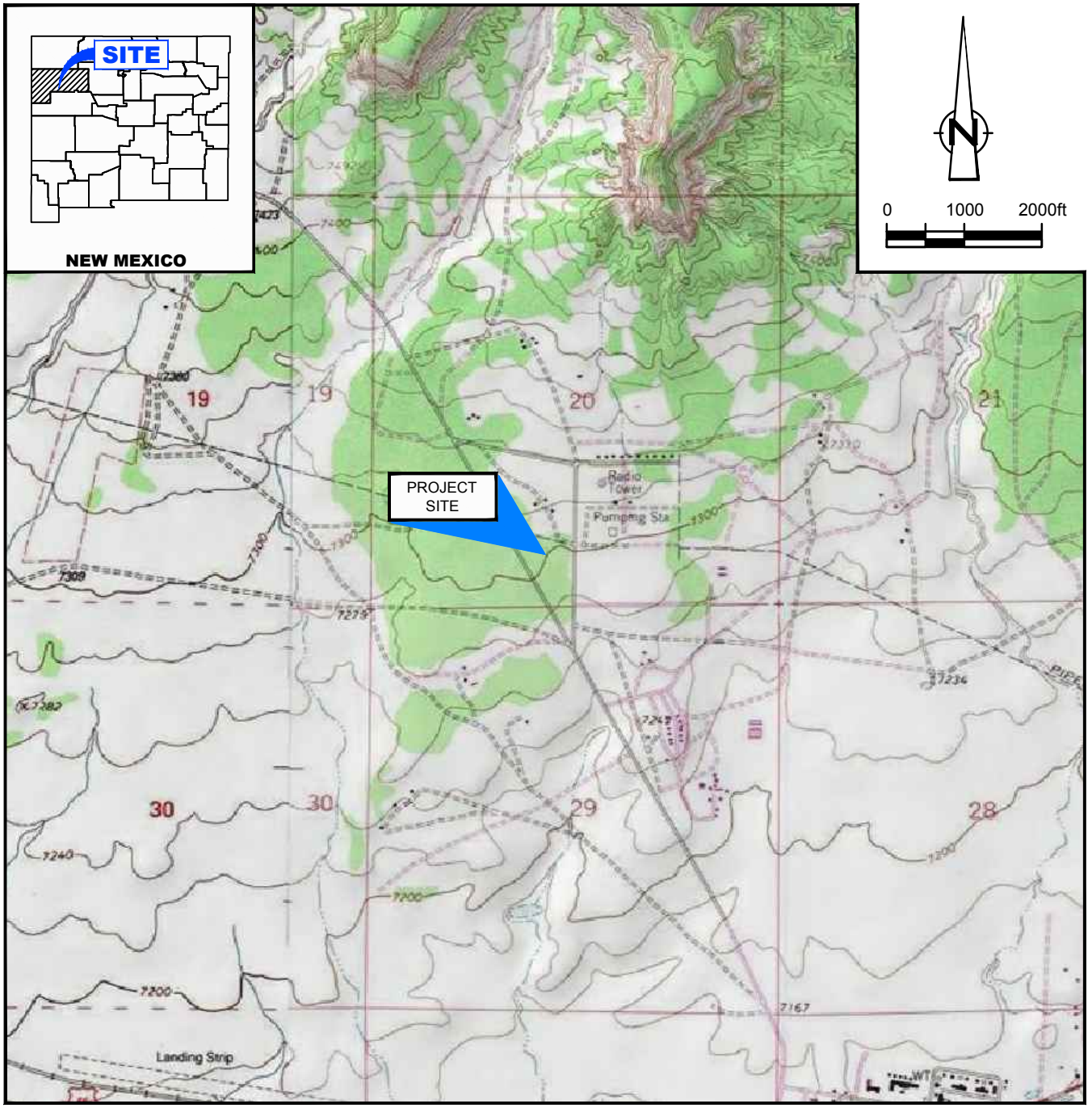
Based on this information, CRA proposes to evaluate the effectiveness of chemical oxidation in a phased approach. The phases would consist of:

- Phase 1: Collect subsurface samples and perform bench scale testing;
- Phase 2: Pilot testing in localized area to assess effectiveness; and
- Phase 3: Full scale implementation and monitoring.

CRA is proposing a phased approach to the use of chemical oxidation. The use of a phased approach would provide data to assess the effectiveness of chemical oxidation. The first Phase would consist of drilling a soil boring to collect a bulk soil and groundwater sample in the saturated zone. Bench scale testing would be performed to provide baseline data and maximize the effective of the chemical oxidation formulation.

The second phase would be performed in a localized area to assess the in-situ effectiveness of the method. Pending the successful results of Phase 2, full scale implementation would be performed at the site. A work plan providing information on the above in further detail will be provided under separate cover for review.

Figures



SOURCE: USGS 7.5 MINUTE QUAD
"BELL LAKE AND TIP TOP WELLS, NEW MEXICO"

LAT/LONG: 35.4262° NORTH, 108.2360° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO WEST

Figure 1

SITE LOCATION MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

086242-00(002)GN-DL001 JUN 5/2014

N

0 100 200ft

Gravel Lot

Tank

Garage

Receiver

Loading Dock

Compressor Building

Launcher

Pipe Racks

5-3B

Tank

Demister

Former Waste Pit

Receiver

5-37I

5-34B

5-35B

5-22B

5-2B

5-1C

5-2C

5-59

SVE-2

SVE-1

5-36E

5-4B

5-60

5-6C

5-5B

SVE-3

5-48B

5-15B

5-17B

SVE-4

5-16B

5-19B

5-18B

5-20B

5-14B

5-13B

5-12B

5-23B

5-24B

5-41B

To Landfill

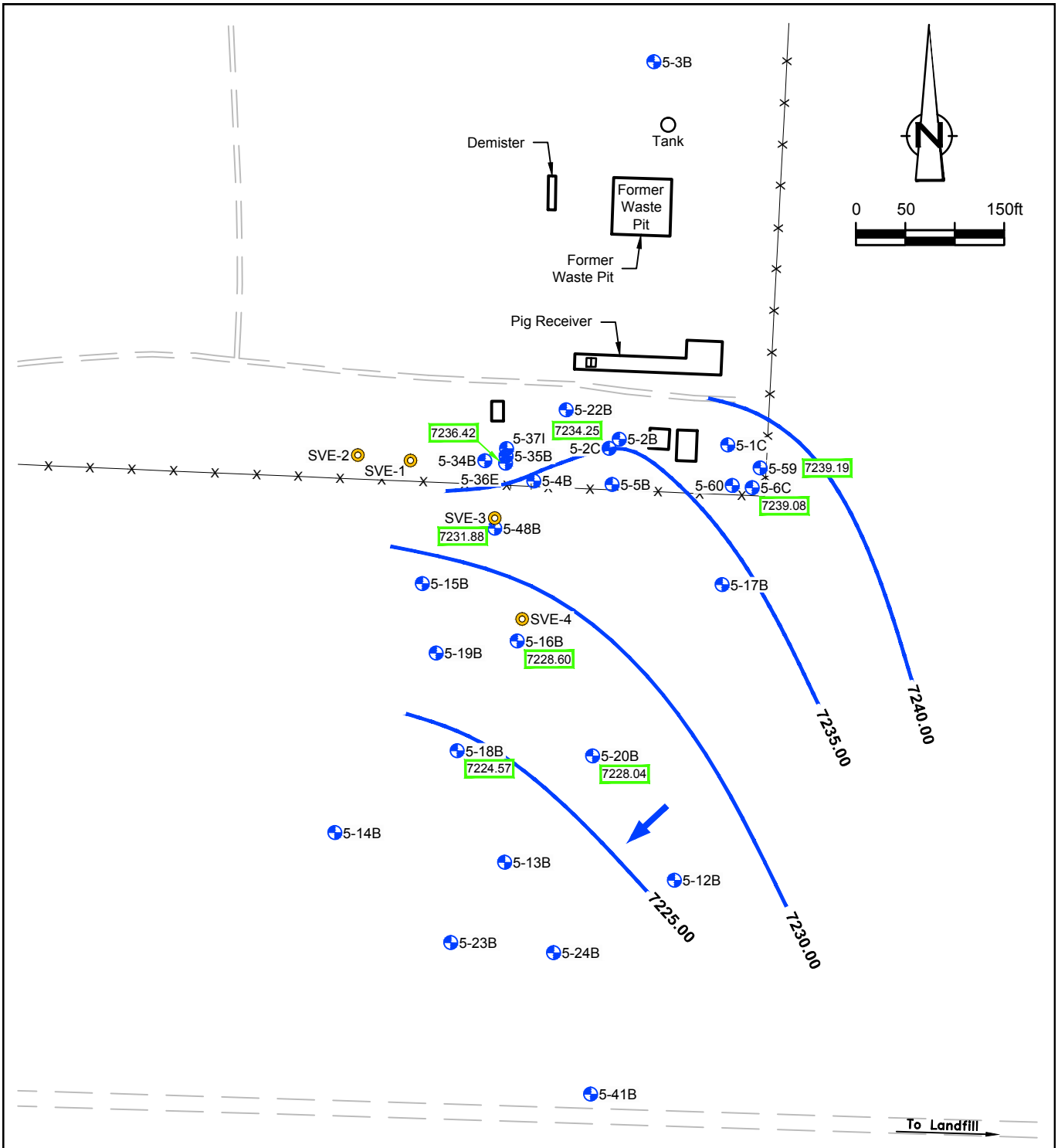
LEGEND

- Monitor Well Location
- SVE Well Location
- Plugged Well Location
- Approximate Station Boundary
- Fence Line

Figure 2

SITE DETAIL MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

086242-00(WORKPLAN)GN-DL004 MAR 6/2015



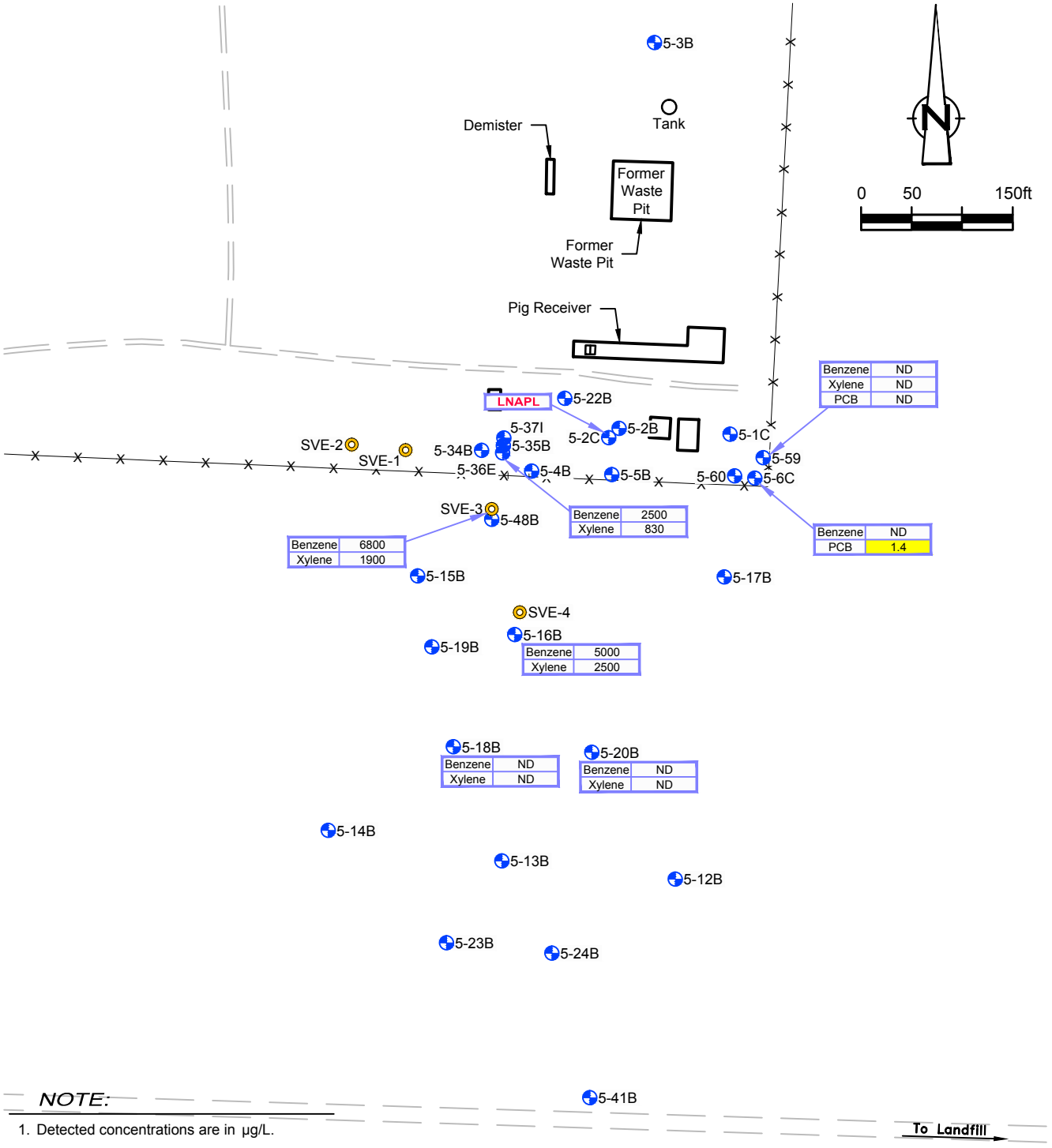
LEGEND

- Monitor Well Location
- SVE Well Location
- Fence Line
- Groundwater Elevation Contour (Interval = 7 ft)
- 7218.19 Elevation of Groundwater (ft)
- Direction Of Groundwater Flow

Figure 3

APRIL 2014 POTENTIOMETRIC SURFACE MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

086242-00(002)GN-DL002 JUN 5/2014



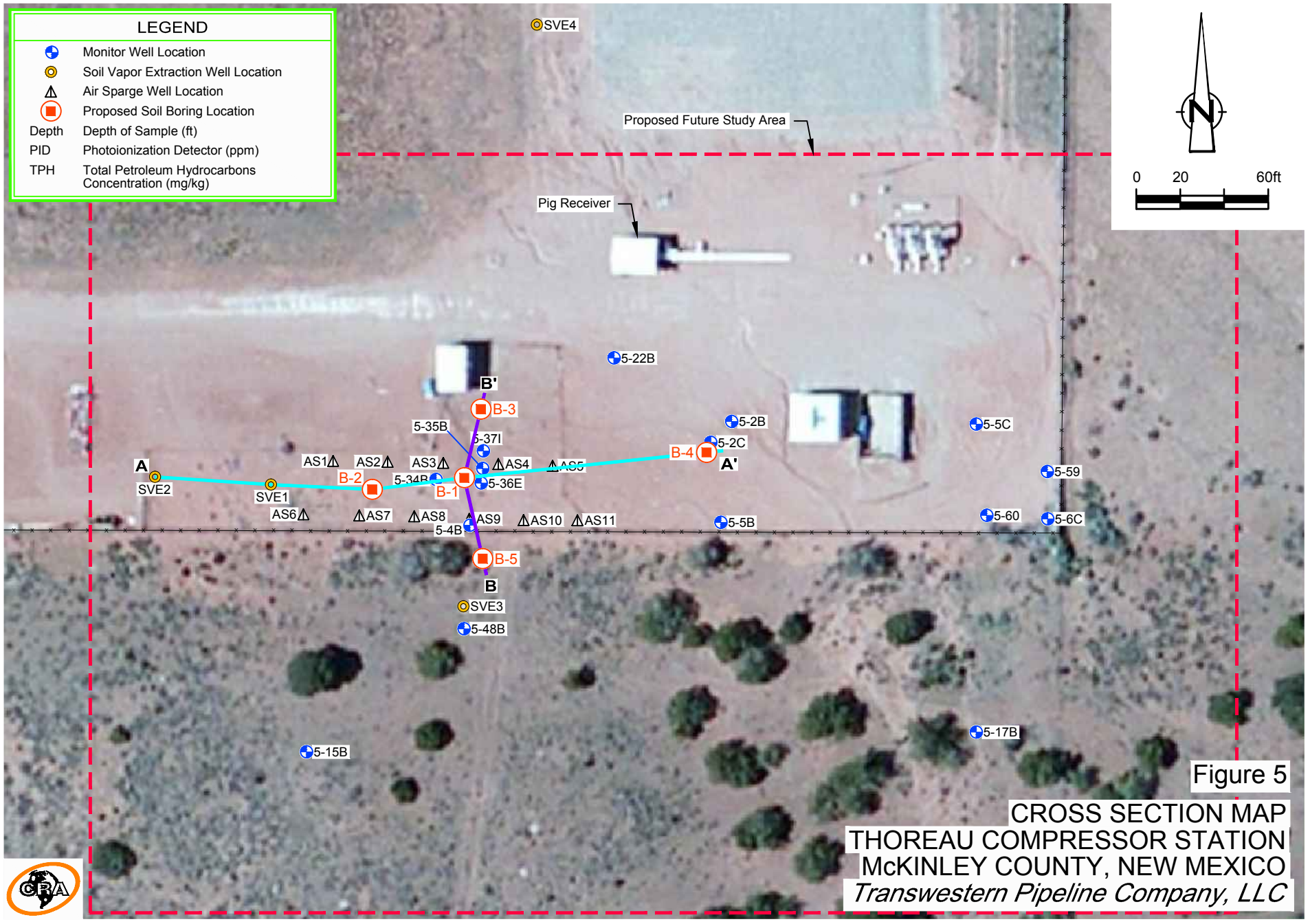
NOTE:

1. Detected concentrations are in µg/L.

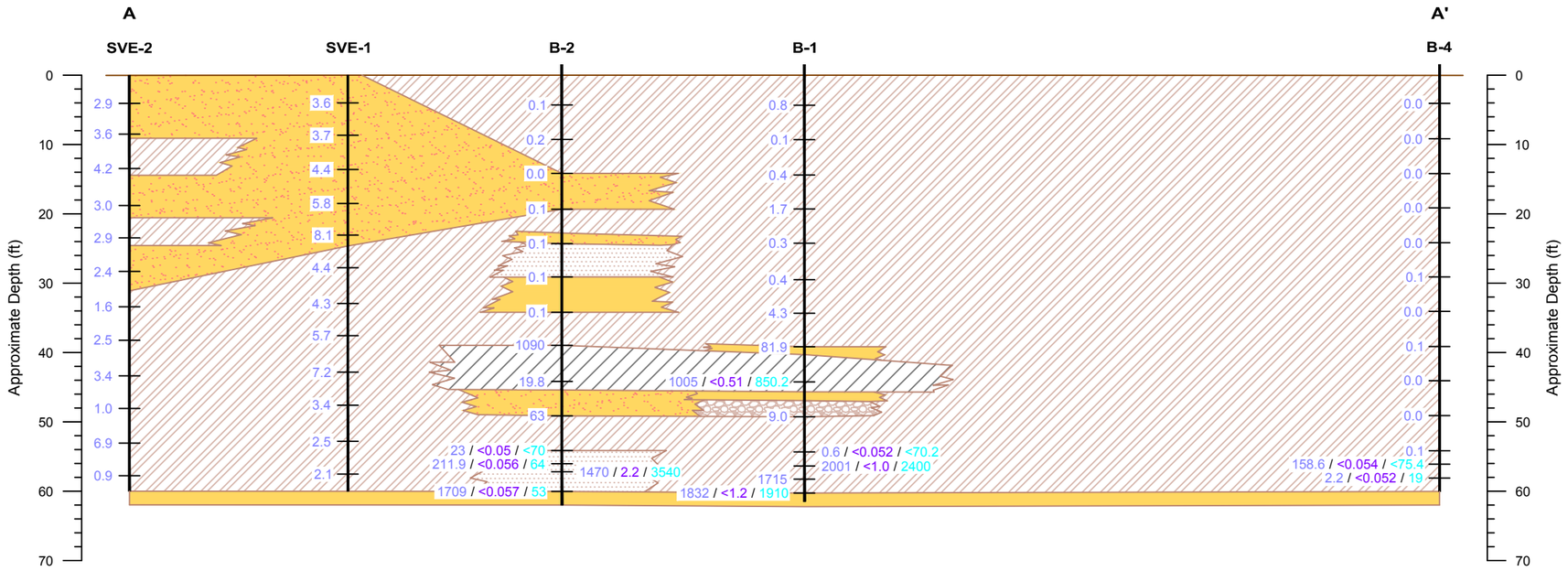
LEGEND	
	Monitor Well Location
	SVE Well Location
	Fence Line
ND	Not Detected
LNAPL	Light Non-Aqueous Phase Liquids

Figure 4

APRIL 2014 BENZENE AND PCB CONCENTRATION MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC



086242-00(002)GN-DL003 MAR 6/2015



NOTE:

1. Sample locations from top to bottom in feet BGS are 4', 9', 14', 19', 24', 29', 34', 39', 44', 49', 54', 56', 58', 60'.

LEGEND

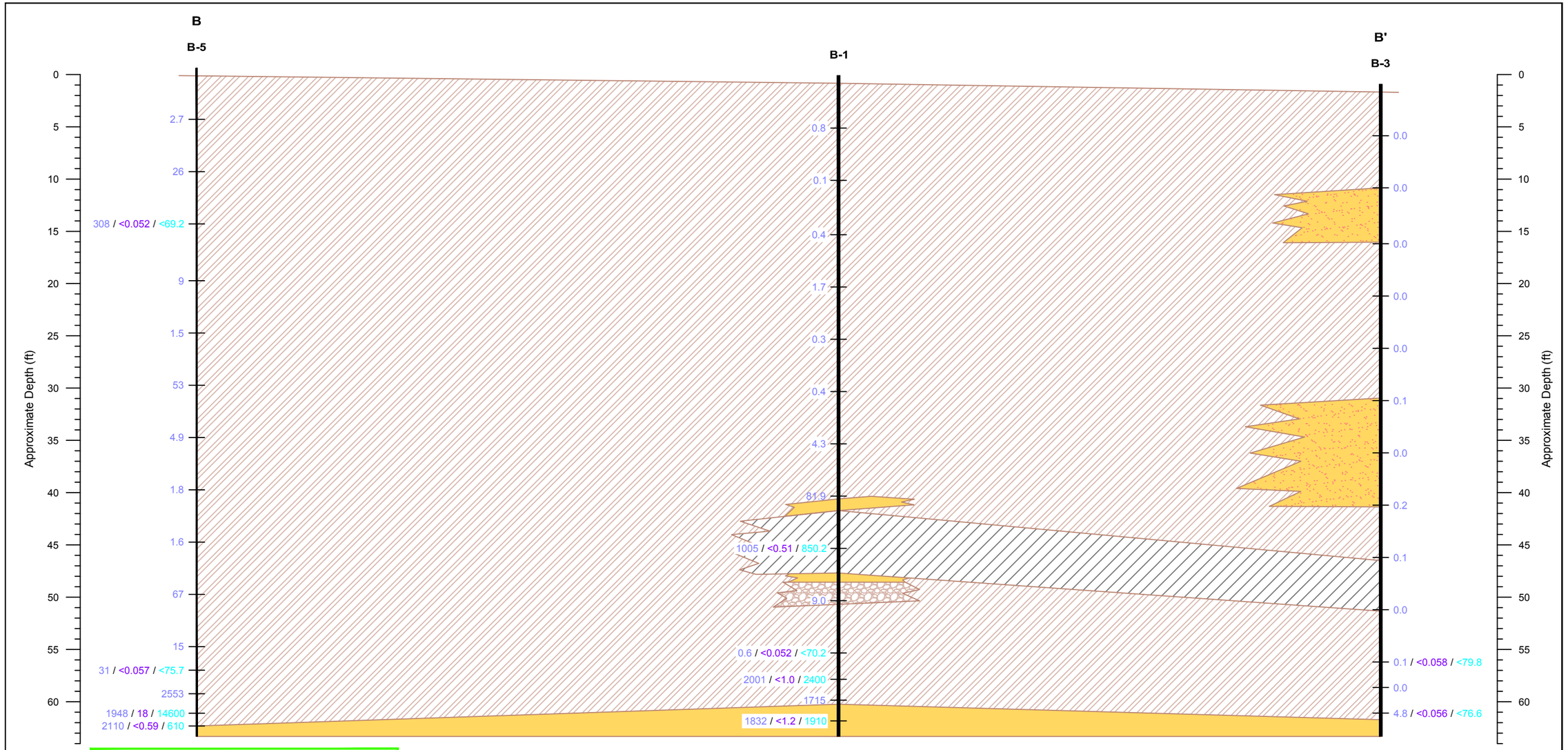
- Encountered Hard Drilling - Potential Caliche
- CL
- SC
- ML
- GM
- SW/SP/SM

PID (ppm) — 2110 / <0.59 / 610 — TPH (mg/kg)
Benzene (mg/kg)

Vertical Scale: 1" = 20'
Horizontal Scale: 1" = 40'

Figure 6

CROSS SECTION A-A'
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC



Vertical Scale: 1" = 10'
Horizontal Scale: 1" =10'

NOTE:

1. Sample locations from top to bottom in feet BGS are 4', 9', 14', 19', 24', 29', 34', 39', 44', 49', 54', 56', 58', 60'.

Figure 7

CROSS SECTION B-B'
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

Tables

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-01B	7,290.53	08/29/90	---	44.69	---	7245.84
		11/08/90	---	44.70	---	7245.83
		01/08/91	---	44.82	---	7245.71
		02/05/91	---	44.86	---	7245.67
		03/05/91	---	44.91	---	7245.62
		04/10/91	---	44.94	---	7245.59
		05/21/91	---	45.08	---	7245.45
		06/18/91	---	45.15	---	7245.38
		07/23/91	---	45.28	---	7245.25
		09/04/91	---	45.38	---	7245.15
		10/02/91	---	45.52	---	7245.01
		11/06/91	---	45.63	---	7244.90
		12/10/91	---	45.64	---	7244.89
		01/09/92	---	45.61	---	7244.92
		01/27/92	---	45.53	---	7245.00
		02/20/92	---	45.39	---	7245.14
		03/18/92	---	45.18	---	7245.35
		04/29/92	---	44.78	---	7245.75
		10/06/92	---	43.71	---	7246.82
		10/14/92	---	43.67	---	7246.86
		04/19/93	---	42.96	---	7247.57
		11/14/95	---	46.16	---	7244.37
		02/15/96	---	46.64	---	7243.89
		05/21/96	---	47.32	---	7243.21
		08/12/96	---	NM	---	
		11/18/96	---	47.91	---	7242.62
		02/24/97	---	48.31	---	7242.22
		05/19/97	---	48.57	---	7241.96
		08/18/97	---	48.77	---	7241.76
		11/16/97	---	49.03	---	7241.50

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SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-01C	7,292.11	02/10/98	---	TP	---	---
		06/08/98	---	TP	---	
		09/29/98	---	TP	---	
		04/27/99	---	TP	---	---
		10/11/99	---	TP	---	
		05/10/00	---	51.45	---	7240.66
		11/14/00	---	51.73	---	7240.38
		05/21/01	---	51.85	---	7240.26
		11/16/01	---	52.00	---	7240.11
5-01C cont.	7,292.11	04/17/02	---	52.05	---	7240.06
		10/30/02	---	52.23	---	7239.88
		05/21/03	---	52.25	---	7239.86
		11/10/03	---	52.43	---	7239.68
		06/07/04	---	52.53	---	7239.58
		06/08/05	---	52.63	---	7239.48
		07/10/06	---	52.85	---	7239.26
		07/25/07	---	52.93	---	7239.18
		09/22/08	---	53.06	---	7239.05
		08/04/09	---	52.99	---	7239.12
		05/18/10	---	52.99	---	7239.12
		09/25/11	---	52.79	---	7239.32
		06/12/12	---	52.99	---	7239.12
		07/23/13	---	53.14	---	7238.97
5-02B	7,292.06	08/29/90	---	47.60	---	7244.46
		11/08/90	---	47.72	---	7244.34
		01/11/91	---	47.88	---	7244.18
		02/12/91	---	47.90	---	7244.16
		03/05/91	---	47.93	---	7244.13
		04/11/91	---	47.92	---	7244.14
		05/20/91	---	48.14	---	7243.92
		06/18/91	---	48.23	---	7243.83
		07/24/91	---	48.36	---	7243.70
		09/05/91	---	48.55	---	7243.51
		10/03/91	---	48.62	---	7243.44
		11/05/91	---	48.73	---	7243.33
		12/12/91	---	48.68	---	7243.38
		01/09/92	---	48.58	---	7243.48
		01/28/92	---	48.48	---	7243.58
		02/20/92	---	48.27	---	7243.79
		03/19/92	---	47.98	---	7243.79
		04/29/92	---	47.38	---	7244.68
		10/06/92	---	46.09	---	7245.97
		10/14/92	---	46.07	---	7245.99
		04/19/93	---	45.38	---	7246.68
		04/22/93	---	45.36	---	7246.70
		11/14/95	---	49.32	---	7242.74

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SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-02B cont.	7,293.24 (a)	02/15/96	---	49.84	---	7242.22
		05/21/96	---	50.47	---	7241.59
		08/12/96	---	NM	---	---
		11/21/96	---	51.66	---	7240.40
		02/24/97	---	TP	---	---
		05/19/97	---	TP	---	---
		08/18/97	NM	NM	---	---
		11/16/97	NM	NM	---	---
	7,293.24 (a)	02/10/98	---	NM	---	---
		10/11/99	55.70	55.75	0.05	7237.53
		05/10/00	---	55.08	---	7238.16
		11/14/00	---	56.09	---	7237.28
		05/21/01	56.03	56.33	0.30	7237.14
		11/16/01	---	56.36	---	7236.94
		04/17/02	56.27	56.33	0.06	7236.96
		10/30/02	---	56.53	---	7236.91
		05/21/03	---	56.07	---	7237.17
		11/10/03	---	56.89	---	7236.35
		06/07/04	---	dry	---	dry
		06/08/05	---	dry	---	dry
		07/10/06	---	dry	---	dry
		07/25/07	---	dry	---	dry
		09/22/08	---	dry	---	dry
		08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	56.36	---	7236.88
		06/12/12	---	dry	---	dry
		07/23/13		dry		
5-02C	7,291.82	02/10/98	---	53.15	---	7238.67
		06/08/98	---	53.36	---	7238.46
		09/29/98	---	53.88	---	7237.94
		04/27/99	---	54.05	---	7237.77
		08/03/99	---	54.40	---	7237.42
		08/27/99	---	54.47	---	7237.35
		10/11/99	---	54.58	---	7237.24
		02/28/00	---	54.26	---	7237.56
		05/10/00	---	54.07	---	7237.75
		11/14/00	---	54.81	---	7237.01

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SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-02C cont.	7,291.82	05/21/01	---	55.01	---	7236.81
		11/16/01	---	55.25	---	7236.57
		04/17/02	---	55.37	---	7236.45
		10/30/02	---	55.57	---	7236.25
		05/21/03	---	55.81	---	7236.01
		11/10/03	---	56.07	---	7235.75
		06/07/04	---	56.36	---	7235.46
		06/08/05	---	56.68	---	7235.14
		07/10/06	57.47	57.74	0.27	7234.29
		07/25/07	sheen	57.07	sheen	7234.75
		09/22/08	sheen	56.50	sheen	7235.32
		08/04/09	sheen	56.98	sheen	7234.84
		05/18/10	57.25	57.30	0.05	7234.56
		09/25/11	---	56.19	---	7235.63
		06/12/12	sheen	56.77	sheen	7235.05
		07/10/12	sheen	56.85	sheen	7234.97
		07/23/13	sheen	57.35	sheen	7234.47
		04/21/14	Sheen	57.57	Sheen	7234.25
5-03B	7,303.76	08/29/90	---	43.77	---	7259.99
		01/07/91	---	44.10	---	7259.66
		02/12/91	---	44.12	---	7259.64
		03/05/91	---	44.24	---	7259.52
		04/10/91	---	44.31	---	7259.45
		05/21/91	---	44.53	---	7259.23
		06/18/91	---	44.68	---	7259.08
		07/23/91	---	44.95	---	7258.81
		09/04/91	---	45.14	---	7258.62
		10/02/91	---	45.19	---	7258.57
		11/05/91	---	45.15	---	7258.61
		12/10/91	---	44.90	---	7258.86
		01/09/92	---	44.67	---	7259.09
		01/27/92	---	44.43	---	7259.33
		02/19/92	---	44.19	---	7259.57
		03/17/92	---	43.82	---	7259.94
		04/28/92	---	43.26	---	7260.50
		10/06/92	---	42.06	---	7261.70
		10/07/92	---	42.09	---	7261.67
		04/19/93	---	41.92	---	7261.84

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THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-03B cont.	7303.76	04/20/93	---	41.98	---	7261.78
		11/14/95	---	46.49	---	7257.27
		02/15/96	---	47.02	---	7256.74
		05/21/96	---	47.54	---	7256.22
		08/12/96	---	47.95	---	7255.81
		11/18/96	---	48.30	---	7255.46
		02/24/97	---	48.68	---	7255.08
		05/19/97	---	48.91	---	7254.85
		08/18/97	---	49.15	---	7254.61
		11/16/97	---	49.34	---	7254.42
		02/10/98	---	49.49	---	7254.27
		06/08/98	---	49.65	---	7254.11
		09/29/98	---	49.80	---	7253.96
		04/27/99	---	49.91	---	7253.85
		10/11/99	---	49.96	---	7253.80
		05/10/00	---	50.08	---	7253.68
		11/14/00	---	50.33	---	7253.43
		05/21/01	---	50.55	---	7253.21
		11/16/01	---	50.74	---	7253.02
		04/17/02	---	50.88	---	7252.88
		10/30/02	---	51.03	---	7252.73
		05/20/03	---	51.31	---	7252.45
		11/10/03	---	51.43	---	7252.33
		06/07/04	---	51.50	---	7252.26
		06/08/05	---	51.77	---	7251.99
		07/10/06	---	52.08	---	7251.68
		07/25/07	---	52.33	---	7251.43
		09/22/08	---	52.40	---	7251.36
		08/04/09	---	52.39	---	7251.37
		05/18/10	---	52.46	---	7251.30
		09/25/11	---	52.13	---	7251.63
		06/12/12	---	52.12	---	7251.64
		07/23/13	---	52.04	---	7251.72
5-04B	7,292.39	08/29/90	---	48.35	---	7244.04
		11/08/90	---	48.42	---	7243.97
		01/11/91	---	48.42	---	7243.97
		01/31/91	---	48.94	---	7243.45
		03/04/91	---	48.68	---	7243.71

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THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-04B cont.	7,292.39	04/12/91	---	48.79	---	7243.60
		05/21/91	---	49.90	---	7242.49
		06/17/91	---	49.00	---	7243.39
		07/24/91	---	49.15	---	7243.24
		09/04/91	---	49.34	---	7243.05
		10/03/91	---	49.44	---	7242.95
		11/05/91	---	49.50	---	7242.89
		12/12/91	---	48.40	---	7243.99
		01/09/92	---	49.23	---	7243.16
		01/28/92	---	49.11	---	7243.28
		02/19/92	---	48.91	---	7243.48
		03/18/92	---	47.22	---	7245.17
		04/28/92	---	46.65	---	7245.74
		10/06/92	---	46.36	---	7246.03
		10/13/92	---	46.35	---	7246.04
		04/19/93	---	45.77	---	7246.62
		04/21/93	---	45.79	---	7246.60
		11/14/95	---	50.21	---	7242.18
		02/15/96	---	50.82	---	7241.57
	7,292.72 (a)	02/10/98	---	54.70	---	7238.02
		10/11/99	---	55.95	---	7236.77
		05/10/00	---	55.53	---	7237.19
		11/14/00	---	56.48	---	7236.24
		05/21/01	---	56.65	---	7236.07
		11/16/01	---	56.91	---	7235.81
		04/17/02	---	57.10	---	7235.62
		10/30/02	---	57.21	---	7235.51
		05/21/03	---	57.57	---	7235.15
		11/10/03	---	57.81	---	7234.91
		06/07/04	---	58.55	---	7234.17
		06/08/05	---	58.56	---	7234.16
		07/10/06	---	dry	---	dry
		07/25/07	---	dry	---	dry
		09/22/08	---	dry	---	dry
		08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	58.19	---	7234.53
		06/12/12	---	58.60	---	7234.12
		07/23/13		dry		

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MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-05B	7,290.83	08/29/90	---	47.50	---	7243.33
		11/08/90	---	47.25	---	7243.58
		01/10/91	---	47.14	---	7243.69
		02/05/91	---	47.20	---	7243.63
		03/05/91	---	47.20	---	7243.63
		04/18/91	---	47.34	---	7243.49
		05/21/91	---	47.44	---	7243.39
		06/18/91	---	47.52	---	7243.31
		07/24/91	---	47.69	---	7243.14
		09/05/91	---	47.83	---	7243.00
		10/02/91	---	47.54	---	7243.29
		11/04/91	---	48.02	---	7242.81
		12/10/91	---	47.94	---	7242.89
		01/09/92	---	47.87	---	7242.96
		01/27/92	---	47.74	---	7243.09
		02/19/92	---	47.58	---	7243.25
		03/17/92	---	47.43	---	7243.40
		04/28/92	---	46.61	---	7244.22
		10/06/92	---	45.39	---	7245.44
		10/12/92	---	45.37	---	7245.46
		04/19/93	---	44.76	---	7246.07
		04/21/93	---	44.75	---	7246.08
		11/14/95	---	48.59	---	7242.24
		02/15/96	---	49.12	---	7241.71
		05/21/96	---	49.71	---	7241.12
		08/12/96	---	50.22	---	7240.61
		11/18/96	---	50.65	---	7240.18
		02/24/97	---	51.14	---	7239.69
		05/19/97	---	NM	---	---
		08/18/97	---	NM	---	---
		11/16/97	---	NM	---	---
	7,292.02 (a)	02/10/98	---	53.51	---	7238.51
		10/11/99	---	55.02	---	7237.00
		05/10/00	---	54.61	---	7237.41
		11/14/00	---	55.23	---	7236.79
		05/21/01	---	55.38	---	7236.64
		11/16/01	---	55.61	---	7236.41
		04/17/02	---	55.76	---	7236.26

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THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-05B cont.	7292.02 (a)	10/30/02	---	56.01	---	7236.01
		05/21/03	---	56.27	---	7235.75
		11/10/03	---	56.53	---	7235.49
		06/07/04	---	56.85	---	7235.17
		06/08/05	---	57.29	---	7234.73
		07/10/06	---	57.74	---	7234.28
		07/25/07	---	57.96	---	7234.06
		09/22/08	---	57.85	---	7234.17
		08/04/09	---	57.15	---	7234.87
		05/18/10	---	58.31	---	7233.71
		09/25/11	---	57.38	---	7234.64
		06/12/12	---	58.77	---	7233.25
		07/23/13	---	58.53	---	7233.49
5-06B	7,289.30	08/29/90	---	43.47	---	7245.83
		11/08/90	---	43.24	---	7246.06
		01/08/91	---	43.42	---	7245.88
		02/12/91	---	43.50	---	7245.80
		03/05/91	---	43.50	---	7245.80
		04/18/91	---	43.61	---	7245.69
		05/21/91	---	43.66	---	7245.64
		06/18/91	---	43.74	---	7245.56
		07/23/91	---	43.83	---	7245.47
		09/05/91	---	44.00	---	7245.30
		10/03/91	---	44.06	---	7245.24
		11/05/91	---	44.16	---	7245.14
		12/10/91	---	44.17	---	7245.13
		01/09/92	---	44.16	---	7245.14
		01/27/92	---	44.08	---	7245.22
		02/20/92	---	43.94	---	7245.36
		03/18/92	---	43.76	---	7245.54
		04/29/92	---	43.43	---	7245.87
		10/06/92	---	42.52	---	7246.78
		10/14/92	---	42.49	---	7246.81
		04/19/93	---	41.94	---	7247.36
		11/14/95	---	44.64	---	7244.66
		02/15/96	---	44.99	---	7244.31
		05/21/96	---	45.41	---	7243.89
		08/12/96	---	45.65	---	7243.65

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THOREAU COMPRESSOR STATION NO. 5
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Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-06B cont.	7,289.30	11/18/96	---	45.92	---	7243.38
		02/24/97	---	46.30	---	7243.00
		05/19/97	---	46.54	---	7242.76
		08/18/97	---	46.73	---	7242.57
		11/16/97	---	47.01	---	7242.29
5-06C	7,291.46	02/10/98	---	49.31	---	7242.15
		06/08/98	---	49.52	---	7241.94
		09/29/98	---	49.78	---	7241.68
		04/27/99	---	50.03	---	7241.43
		08/03/99	---	50.15	---	7241.31
		08/27/99	---	50.23	---	7241.23
		10/11/99	---	50.05	---	7241.41
		02/28/00	---	50.18	---	7241.28
		05/10/00	---	50.18	---	7241.28
		11/14/00	---	50.47	---	7240.99
		05/21/01	---	50.62	---	7240.84
		11/16/01	---	49.81	---	7241.65
		04/17/02	---	50.93	---	7240.53
		10/30/02	---	51.11	---	7240.35
		05/21/03	---	51.19	---	7240.27
		11/10/03	---	51.37	---	7240.09
		06/07/04	---	51.45	---	7240.01
		06/08/05	---	51.61	---	7239.85
		07/10/06	---	51.90	---	7239.56
		07/25/07	---	52.09	---	7239.37
		09/22/08	---	52.26	---	7239.20
		08/04/09	---	52.26	---	7239.20
		05/18/10	---	52.16	---	7239.30
		09/25/11	---	52.16	---	7239.30
		06/12/12	---	52.28	---	7239.18
		07/10/12	---	52.30	---	7239.16
		07/23/13	---	52.36	---	7239.10
		04/22/14	---	52.38	---	7239.08
5-12B	7,279.61	08/14/90	---	48.85	---	7230.76
		11/15/90	---	48.92	---	7230.69
		01/09/91	---	48.96	---	7230.65
		02/13/91	---	49.00	---	7230.61

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-12B cont.	7,279.61	03/07/91	---	49.00	---	7230.61
		04/12/91	---	49.05	---	7230.56
		05/22/91	---	49.12	---	7230.49
		06/19/91	---	49.20	---	7230.41
		07/25/91	---	49.27	---	7230.34
		09/16/91	---	49.37	---	7230.24
		10/09/91	---	49.43	---	7230.18
		01/07/92	---	49.49	---	7230.12
		04/30/92	---	49.07	---	7230.54
		10/06/92	---	48.27	---	7231.34
		10/08/92	---	48.28	---	7231.34
		04/19/93	---	47.45	---	7232.16
		11/14/95	---	49.71	---	7229.90
		02/15/96	---	50.02	---	7229.59
		05/21/96	---	50.31	---	7229.30
		08/12/96	---	50.61	---	7229.00
		11/18/96	---	50.89	---	7228.72
		02/24/97	---	51.24	---	7228.37
		05/19/97	---	51.49	---	7228.12
		08/18/97	---	51.78	---	7227.83
		11/16/97	---	52.07	---	7227.54
		02/10/98	---	52.28	---	7227.33
		06/08/98	---	52.51	---	7227.10
		09/29/98	---	52.78	---	7226.83
		04/27/99	---	53.11	---	7226.50
		10/11/99	---	53.37	---	7226.24
		05/10/00	---	53.36	---	7226.25
		11/14/00	---	NM	---	---
		05/21/01	---	53.14	---	7226.47
		11/16/01	---	53.77	---	7225.84
		04/17/02	---	53.68	---	7225.93
		10/30/02	---	53.89	---	7225.72
		05/20/03	---	54.00	---	7225.61
		11/10/03	---	54.09	---	7225.52
		06/07/04	---	54.15	---	7225.46
		06/08/05	---	54.41	---	7225.20
		07/10/06	---	54.60	---	7225.01
		07/25/07	---	54.79	---	7224.82
		09/22/08	---	54.90	---	7224.71

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-12B cont.	7,279.61	08/04/09	---	54.95	---	7224.66
		05/18/10	---	54.94	---	7224.67
		09/25/11	---	54.83	---	7224.78
		06/12/12	---	54.77	---	7224.84
		07/23/13	---	54.96	---	7224.65
5-13B	7,282.43	08/14/90	---	52.43	---	7230.00
		11/15/90	---	52.76	---	7229.67
		01/09/91	---	52.82	---	7229.61
		02/07/91	---	52.89	---	7229.54
		03/07/91	---	52.92	---	7229.51
		04/12/91	---	53.00	---	7229.43
		05/22/91	---	53.06	---	7229.37
		06/19/91	---	53.15	---	7229.28
		07/26/91	---	53.26	---	7229.17
		09/16/91	---	53.36	---	7229.07
		10/10/91	---	53.42	---	7229.01
		01/08/92	---	53.58	---	7228.85
		05/01/92	---	52.88	---	7229.55
		10/06/92	---	51.80	---	7230.63
		10/13/92	---	51.78	---	7230.65
		04/19/93	---	51.08	---	7231.35
		11/14/95	---	53.85	---	7228.58
		02/15/96	---	54.18	---	7228.25
		05/21/96	---	54.52	---	7227.91
		08/12/96	---	54.81	---	7227.62
		11/18/96	---	55.05	---	7227.38
		02/24/97	---	55.37	---	7227.06
		05/19/97	---	55.60	---	7226.83
		08/18/97	---	55.87	---	7226.56
		11/16/97	---	56.13	---	7226.30
		02/10/98	---	56.36	---	7226.07
		06/08/98	---	56.63	---	7225.80
		09/29/98	---	56.90	---	7225.53
		04/27/99	---	57.31	---	7225.12
		10/11/99	---	57.75	---	7224.68
		05/10/00	---	57.90	---	7224.53
		11/14/00	---	58.18	---	7224.25
		05/21/01	---	58.31	---	7224.12

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-13B cont.	7282.43	11/16/01	---	58.47	---	7223.96
		04/17/02	---	58.60	---	7223.83
		10/30/02	---	58.90	---	7223.53
		05/20/03	---	59.08	---	7223.35
		11/10/03	---	59.28	---	7223.15
		06/07/04	---	59.49	---	7222.94
		06/08/05	---	59.50	---	7222.93
		07/10/06	---	60.40	---	7222.03
		07/25/07	---	60.79	---	7221.64
		09/22/08	---	61.14	---	7221.29
		08/04/09	---	61.22	---	7221.21
		05/18/10	---	61.29	---	7221.14
		09/25/11	---	61.19	---	7221.24
		06/12/12	---	60.92	---	7221.51
		07/23/13	---	61.20	---	7221.23
5-14B	7,285.76	08/14/90	---	55.14	---	7230.62
		11/14/90	---	55.02	---	7230.74
		01/09/91	---	55.12	---	7230.64
		02/07/91	---	55.19	---	7230.57
		03/07/91	---	55.21	---	7230.55
		04/12/91	---	55.64	---	7230.12
		05/22/91	---	55.36	---	7230.40
		06/19/91	---	55.38	---	7230.38
		07/25/91	---	55.54	---	7230.22
		09/16/91	---	55.63	---	7230.13
		10/09/91	---	55.72	---	7230.04
		01/06/92	---	55.74	---	7230.02
		04/30/92	---	55.02	---	7230.74
		10/06/92	---	53.94	---	7231.82
		10/08/92	---	53.93	---	7231.83
		04/19/93	---	53.25	---	7232.51
		11/14/95	---	56.25	---	7229.51
		02/15/96	---	56.62	---	7229.14
		05/21/96	---	57.02	---	7228.74
		08/12/96	---	57.33	---	7228.43
		11/18/96	---	57.64	---	7228.12
		02/24/97	---	58.01	---	7227.75
		05/19/97	---	58.27	---	7227.49

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-14B cont.	7285.76	08/18/97	---	58.56	---	7227.20
		11/16/97	---	58.86	---	7226.90
		02/10/98	---	59.08	---	7226.68
		06/08/98	---	59.41	---	7226.35
		09/29/98	---	59.69	---	7226.07
		04/27/99	---	60.17	---	7225.59
		10/11/99	---	60.43	---	7225.33
		05/10/00	---	60.56	---	7225.20
		11/14/00	---	60.71	---	7225.05
		05/21/01	---	60.77	---	7224.99
		11/16/01	---	60.98	---	7224.78
		04/17/02	---	61.19	---	7224.57
		10/30/02	---	61.55	---	7224.21
		05/20/03	---	61.84	---	7223.92
		11/10/03	---	62.11	---	7223.65
		06/07/04	---	62.36	---	7223.40
		06/08/05	---	62.92	---	7222.84
		07/10/06	---	63.48	---	7222.28
		07/25/07	---	63.95	---	7221.81
		09/22/08	---	64.50	---	7221.26
		08/04/09	---	64.83	---	7220.93
		05/18/10	---	65.15	---	7220.61
		09/25/11	---	65.66	---	7220.10
		06/12/12	---	66.18	---	7219.58
		07/23/13	---	66.43	---	7219.33
5-15B	7,292.92	08/14/90	---	49.86	---	7243.06
		11/14/90	---	49.98	---	7242.94
		01/10/91	---	50.10	---	7242.82
		02/07/91	---	50.16	---	7242.76
		03/06/91	---	50.17	---	7242.75
		04/10/91	---	50.25	---	7242.67
		05/23/91	---	50.45	---	7242.47
		06/19/91	---	50.54	---	7242.38
		07/25/91	---	50.70	---	7242.22
		09/16/91	---	50.92	---	7242.00
		10/09/91	---	50.95	---	7241.97
		01/07/92	---	50.57	---	7242.35
		04/30/92	---	48.74	---	7244.18

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-15B cont.	7,292.92	10/06/92	---	47.75	---	7245.17
		10/08/92	---	47.74	---	7245.18
		04/19/93	---	47.41	---	7245.51
		11/14/95	---	51.84	---	7241.08
		02/15/96	---	52.42	---	7240.50
		05/21/96	---	53.04	---	7239.88
		08/12/96	---	53.52	---	7239.40
		11/18/96	---	53.99	---	7238.93
		02/24/97	---	54.48	---	7238.44
		05/19/97	---	54.60	---	7238.32
		08/18/97	---	55.18	---	7237.74
		11/16/97	---	55.48	---	7237.44
		02/10/98	---	55.70	---	7237.22
		06/08/98	---	56.00	---	7236.92
		09/29/98	---	56.35	---	7236.57
		04/27/99	---	56.55	---	7236.37
		08/03/99	---	57.02	---	7235.90
		08/27/99	---	57.10	---	7235.82
		10/11/99	---	56.98	---	7235.94
		02/28/00	---	56.60	---	7236.32
		05/10/00	---	56.63	---	7236.29
		11/14/00	---	56.78	---	7236.14
		05/21/01	---	57.03	---	7235.89
		11/16/01	---	57.28	---	7235.64
		04/17/02	---	57.56	---	7235.36
		10/30/02	---	57.74	---	7235.18
		05/21/03	---	58.05	---	7234.87
		11/10/03	---	58.36	---	7234.56
		06/07/04	---	58.73	---	7234.19
		06/08/05	---	59.35	---	7233.57
		07/10/06	---	59.99	---	7232.93
		07/25/07	---	60.65	---	7232.27
		09/22/08	---	60.77	---	7232.15
		08/04/09	---	60.81	---	7232.11
		05/18/10	---	60.91	---	7232.01
		09/25/11	---	60.36	---	7232.56
		06/12/12	---	60.26	---	7232.66
		07/23/13	---	61.03	---	7231.89

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-16B	7,288.82	08/14/90	---	47.21	---	7241.61
		11/14/90	---	47.46	---	7241.36
		01/10/91	---	47.60	---	7241.22
		02/06/91	---	47.62	---	7241.20
		03/06/91	---	47.63	---	7241.19
		04/09/91	---	47.73	---	7241.09
		05/23/91	---	47.87	---	7240.95
		06/18/91	---	47.91	---	7240.91
		07/26/91	---	48.04	---	7240.78
		09/03/91	---	48.17	---	7240.65
		10/11/91	---	48.30	---	7240.52
		11/12/91	---	48.34	---	7240.48
		12/12/91	---	48.22	---	7240.60
		01/08/92	---	48.11	---	7240.71
		02/20/92	---	47.76	---	7241.06
		03/18/92	---	47.43	---	7241.39
		04/29/92	---	46.89	---	7241.93
		10/06/92	---	45.97	---	7242.85
		10/13/92	---	45.95	---	7242.87
		04/19/93	---	45.61	---	7243.21
		04/20/93	---	45.62	---	7243.20
		11/14/95	---	48.88	---	7239.94
		02/15/96	---	49.33	---	7239.49
		05/21/96	---	50.11	---	7238.71
		08/12/96	---	50.41	---	7238.41
		11/18/96	---	50.74	---	7238.08
		02/24/97	---	51.08	---	7237.74
		05/19/97	---	51.35	---	7237.47
		08/18/97	---	51.67	---	7237.15
		11/16/97	---	52.02	---	7236.80
		02/10/98	---	52.16	---	7236.66
		06/08/98	---	52.42	---	7236.40
		09/29/98	---	52.86	---	7235.96
		04/27/99	---	53.02	---	7235.80
		08/03/99	---	53.98	---	7234.84
		08/27/99	---	54.06	---	7234.76
		10/11/99	---	53.66	---	7235.16
		02/28/00	---	53.21	---	7235.61
		05/10/00	---	53.50	---	7235.32

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-16B cont.	7,288.82	11/14/00	---	53.52	---	7235.30
		05/21/01	---	53.71	---	7235.11
		11/16/01	---	53.93	---	7234.89
		04/17/02	---	54.11	---	7234.71
		10/30/02	---	54.34	---	7234.48
		05/21/03	---	54.65	---	7234.17
		11/10/03	---	54.94	---	7233.88
		06/07/04	---	55.32	---	7233.50
		06/08/05	---	55.94	---	7232.88
		07/10/06	---	56.57	---	7232.25
		07/25/07	---	57.11	---	7231.71
		09/22/08	---	57.50	---	7231.32
		08/04/09	---	57.56	---	7231.26
		05/18/10	---	57.73	---	7231.09
		09/25/11	---	57.27	---	7231.55
		06/12/12	---	57.23	---	7231.59
		07/23/13	---	57.89	---	7230.93
		04/21/14	---	60.22	---	7228.60
5-17B	7,284.75	08/14/90	---	40.79	---	7243.96
		11/15/90	---	40.83	---	7243.92
		01/10/91	---	40.96	---	7243.79
		02/08/91	---	40.99	---	7243.76
		03/06/91	---	41.01	---	7243.74
		04/11/91	---	41.06	---	7243.69
		05/22/91	---	41.14	---	7243.61
		06/18/91	---	41.23	---	7243.52
		07/25/91	---	41.34	---	7243.41
		09/16/91	---	41.50	---	7243.25
		10/09/91	---	41.60	---	7243.15
		01/07/92	---	41.60	---	7243.15
		02/19/92	---	41.46	---	7243.29
		03/17/92	---	41.21	---	7243.54
		04/28/92	---	40.84	---	7243.91
		10/06/92	---	39.97	---	7244.78
		10/07/92	---	39.97	---	7244.78
		04/19/93	---	39.40	---	7245.35
		11/14/95	---	42.06	---	7242.69
		02/15/96	---	42.46	---	7242.29

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-17B cont.	7,284.75	05/21/96	---	42.94	---	7241.81
		08/12/96	---	43.33	---	7241.42
		11/18/96	---	43.72	---	7241.03
		02/24/97	---	44.14	---	7240.61
		05/19/97	---	44.44	---	7240.31
		08/18/97	---	44.76	---	7239.99
		11/16/97	---	45.07	---	7239.68
		02/10/98	---	45.30	---	7239.45
		06/08/98	---	45.58	---	7239.17
		09/29/98	---	45.97	---	7238.78
		04/27/99	---	46.36	---	7238.39
		10/11/99	---	46.78	---	7237.97
		05/10/00	---	46.57	---	7238.18
		11/14/00	---	47.19	---	7237.56
		05/21/01	---	47.34	---	7237.41
		11/16/01	---	47.58	---	7237.17
		04/17/02	---	47.70	---	7237.05
		10/30/02	---	48.04	---	7236.71
		05/20/03	---	48.22	---	7236.53
		11/10/03	---	48.51	---	7236.24
		06/07/04	---	48.69	---	7236.06
		06/08/05	---	48.73	---	7236.02
		07/10/06	---	49.71	---	7235.04
		07/25/07	---	49.99	---	7234.76
		09/22/08	---	50.06	---	7234.69
		08/04/09	---	50.50	---	7234.25
		05/18/10	---	50.82	---	7233.93
		09/25/11	---	50.44	---	7234.31
		06/12/12	---	50.33	---	7234.42
		07/23/13	---	51.13	---	7233.62
5-18B	7,286.41	08/14/90	---	51.67	---	7234.74
		08/24/90	---	51.68	---	7234.73
		11/15/90	---	51.60	---	7234.81
		01/04/91	---	51.66	---	7234.75
		02/13/91	---	51.76	---	7234.65
		03/06/91	---	51.79	---	7234.62
		04/16/91	---	51.90	---	7234.51
		06/19/91	---	52.05	---	7234.36

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-18B cont.	7,286.41	07/26/91	---	52.21	---	7234.20
		09/16/91	---	52.35	---	7234.06
		10/11/91	---	52.41	---	7234.00
		01/08/92	---	52.40	---	7234.01
		05/01/92	---	51.38	---	7235.03
		10/06/92	---	50.24	---	7236.17
		10/13/92	---	50.22	---	7236.19
		04/19/93	---	49.68	---	7236.73
		04/22/93	---	49.70	---	7236.71
		11/14/95	---	53.04	---	7233.37
		02/15/96	---	53.49	---	7232.92
		05/21/96	---	53.94	---	7232.47
		08/12/96	---	54.31	---	7232.10
		11/18/96	---	54.64	---	7231.77
		02/24/97	---	55.03	---	7231.38
		05/19/97	---	55.25	---	7231.16
		08/18/97	---	55.51	---	7230.90
		11/16/97	---	55.75	---	7230.66
		02/10/98	---	55.94	---	7230.47
		06/08/98	---	56.18	---	7230.23
		09/29/98	---	56.43	---	7229.98
		04/27/99	---	56.81	---	7229.60
		10/11/99	---	57.26	---	7229.15
		05/10/00	---	57.18	---	7229.23
		11/14/00	---	57.38	---	7229.03
		05/21/01	---	57.47	---	7228.94
		11/16/01	---	57.87	---	7228.54
		04/17/02	---	57.85	---	7228.56
		10/30/02	---	58.16	---	7228.25
		05/20/03	---	58.40	---	7228.01
		11/10/03	---	58.71	---	7227.70
		06/07/04	---	59.03	---	7227.38
		06/08/05	---	59.65	---	7226.76
		07/10/06	---	60.29	---	7226.12
		07/25/07	---	60.82	---	7225.59
		09/22/08	---	61.28	---	7225.13
		08/04/09	---	61.46	---	7224.95
		05/18/10	---	61.61	---	7224.80
		09/25/11	---	61.38	---	7225.03

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-18B cont.	7,286.41	06/12/12	---	61.18	---	7225.23
		07/23/13	---	61.65	---	7224.76
		04/21/14	---	61.84	---	7224.57
5-19B	7,290.52	08/14/90	---	49.44	---	7241.08
		11/14/90	---	49.76	---	7240.76
		01/10/91	---	49.86	---	7240.66
		02/07/91	---	49.90	---	7240.62
		03/06/91	---	49.92	---	7240.60
		04/09/91	---	50.02	---	7240.50
		05/23/91	---	50.92	---	7239.60
		06/19/91	---	50.23	---	7240.29
		07/26/91	---	50.37	---	7240.15
		09/16/91	---	50.55	---	7239.97
		10/10/91	---	50.60	---	7239.92
		01/08/92	---	50.36	---	7240.16
		02/20/92	---	50.04	---	7240.48
		03/19/92	---	49.60	---	7240.92
		04/29/92	---	48.97	---	7241.55
		10/06/92	---	48.05	---	7242.47
		10/13/92	---	48.04	---	7242.48
		04/19/93	---	47.73	---	7242.79
		11/14/95	---	51.30	---	7239.22
		02/15/96	---	51.75	---	7238.77
		05/21/96	---	52.26	---	7238.26
		08/12/96	---	52.66	---	7237.86
		11/18/96	---	53.02	---	7237.50
		02/24/97	---	53.44	---	7237.08
		05/19/97	---	53.73	---	7236.79
		08/18/97	---	TP	---	---
		11/16/97	---	54.29	---	7236.23
		02/10/98	---	54.49	---	7236.03
		06/08/98	---	54.74	---	7235.78
		09/29/98	---	55.05	---	7235.47
		04/27/99	---	55.26	---	7235.26
		08/03/99	---	55.78	---	7234.74
		08/27/99	---	55.87	---	7234.65
		10/11/99	---	55.73	---	7234.79
		02/28/00	---	55.33	---	7235.19

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-19B cont.	7,290.52	05/10/00	---	55.39	---	7235.13
		11/14/00	---	55.51	---	7235.01
		05/21/01	---	55.74	---	7234.78
		11/16/01	---	55.96	---	7234.56
		04/17/02	---	56.11	---	7234.41
		10/30/02	---	56.36	---	7234.16
		05/20/03	---	56.60	---	7233.92
		11/10/03	---	56.88	---	7233.64
		06/07/04	---	57.24	---	7233.28
		06/08/05	---	57.84	---	7232.68
		07/10/06	---	58.43	---	7232.09
		07/25/07	---	58.89	---	7231.63
		09/22/08	---	59.24	---	7231.28
		08/04/09	---	59.31	---	7231.21
		05/18/10	---	59.42	---	7231.10
		09/25/11	---	58.95	---	7231.57
		06/12/12	---	58.86	---	7231.66
		07/23/13	---	59.53	---	7230.99
5-20B	7,284.60	08/14/90	---	48.50	---	7236.10
		01/09/91	---	48.70	---	7235.90
		02/07/91	---	48.79	---	7235.81
		03/07/91	---	48.80	---	7235.80
		04/16/91	---	48.88	---	7235.72
		05/20/91	---	48.92	---	7235.68
		06/19/91	---	49.02	---	7235.58
		07/26/91	---	49.13	---	7235.47
		09/16/91	---	49.25	---	7235.35
		10/10/91	---	49.32	---	7235.28
		01/08/92	---	49.36	---	7235.24
		05/01/92	---	48.48	---	7236.12
		10/06/92	---	47.61	---	7236.99
		10/12/92	---	47.58	---	7237.02
		04/19/93	---	47.26	---	7237.34
		04/21/93	---	47.31	---	7237.29
		11/14/95	---	49.63	---	7234.97
		02/15/96	---	50.03	---	7234.57
		05/21/96	---	50.39	---	7234.21
		08/12/96	---	50.66	---	7233.94

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-20B cont.	7,284.60	11/18/96	---	50.99	---	7233.61
		02/24/97	---	51.28	---	7233.32
		05/19/97	---	51.54	---	7233.06
		08/18/97	---	51.88	---	7232.72
		11/16/97	---	52.21	---	7232.39
		02/10/98	---	52.46	---	7232.14
		06/08/98	---	52.62	---	7231.98
		09/29/98	---	52.95	---	7231.65
		04/27/99	---	53.30	---	7231.30
		10/11/99	---	53.78	---	7230.82
		05/10/00	---	53.23	---	7231.37
		11/14/00	---	53.53	---	7231.07
		05/21/01	---	53.62	---	7230.98
		11/16/01	---	53.73	---	7230.87
		04/17/02	---	53.78	---	7230.82
		10/30/02	---	54.04	---	7230.56
		05/20/03	---	54.17	---	7230.43
		11/10/03	---	54.29	---	7230.31
		06/07/04	---	54.45	---	7230.15
		06/08/05	---	54.50	---	7230.10
		07/10/06	---	55.33	---	7229.27
		07/25/07	---	55.74	---	7228.86
		09/22/08	---	56.02	---	7228.58
		08/04/09	---	56.13	---	7228.47
		05/18/10	---	56.15	---	7228.45
		09/25/11	---	55.82	---	7228.78
		06/12/12	---	55.80	---	7228.80
		07/23/13	---	56.24	---	7228.36
		04/21/14	---	56.56	---	7228.04
5-22B	7,292.74	10/25/90	---	48.08	---	7244.66
		11/15/90	---	48.08	---	7244.66
		01/10/91	---	48.33	---	7244.41
		02/04/91	---	48.38	---	7244.36
		03/06/91	---	48.42	---	7244.32
		04/11/91	---	48.49	---	7244.25
		05/21/91	---	48.65	---	7244.09
		06/17/91	---	48.76	---	7243.98
		07/24/91	---	49.24	---	7243.50

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-22B cont.	7,292.74	09/04/91	---	49.06	---	7243.68
		10/03/91	---	49.19	---	7243.55
		11/04/91	---	49.26	---	7243.48
		12/12/91	---	49.15	---	7243.59
		01/10/92	---	49.00	---	7243.74
		01/28/92	---	48.84	---	7243.90
		02/19/92	---	48.67	---	7244.07
		03/18/92	---	48.24	---	7244.50
		04/28/92	---	47.46	---	7245.28
		10/06/92	---	45.97	---	7246.77
		10/08/92	---	45.98	---	7246.76
		04/19/93	---	45.34	---	7247.40
		11/14/95	---	NM	---	---
		02/15/96	---	NM	---	---
		05/21/96	---	51.25	---	7241.49
		08/12/96	---	51.91	---	7240.83
		11/18/96	---	NM	---	---
		02/27/97	---	52.95	---	7239.79
		05/19/97	---	53.13	---	7239.61
		08/18/97	---	53.51	---	7239.23
		11/16/97	---	53.79	---	7238.95
		02/10/98	---	dry	---	dry
		09/08/98	---	54.05	---	7238.69
		09/29/98	---	54.16	---	7238.58
		04/27/99	---	dry	---	dry
		10/11/99	---	dry	---	dry
		05/10/00	---	dry	---	dry
		11/14/00	---	dry	---	dry
		05/21/01	---	dry	---	dry
		11/16/01	---	dry	---	dry
		04/17/02	---	dry	---	dry
		10/30/02	---	dry	---	dry
		05/21/03	---	dry	---	dry
		11/10/03	---	dry	---	dry
		06/07/04	---	dry	---	dry
		06/08/05	---	dry	---	dry
		07/10/06	---	dry	---	dry
		07/25/07	---	dry	---	dry
		09/22/08	---	dry	---	dry

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-22B cont.	7,292.74	08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	53.48	---	7239.26
		06/12/12	---	54.00	---	7238.74
		07/23/13	---	54.32	---	7238.42
5-23B	7,282.63	10/25/90	---	55.78	---	7226.85
		11/15/90	---	55.75	---	7226.88
		01/03/91	---	55.90	---	7226.73
		02/07/91	---	56.20	---	7226.43
		03/07/91	---	56.02	---	7226.61
		04/16/91	---	56.08	---	7226.55
		05/22/91	---	56.14	---	7226.49
		06/19/91	---	56.17	---	7226.46
		07/25/91	---	56.28	---	7226.35
		09/03/91	---	56.38	---	7226.25
		10/09/91	---	56.47	---	7226.16
		11/11/91	---	56.56	---	7226.07
		12/13/91	---	56.63	---	7226.00
		01/07/92	---	56.58	---	7226.05
		02/18/92	---	56.58	---	7226.05
		03/17/92	---	56.42	---	7226.21
		04/30/92	---	56.12	---	7226.51
		10/06/92	---	55.19	---	7227.44
		10/09/92	---	55.19	---	7227.44
		04/19/93	---	54.56	---	7228.07
		11/14/95	---	57.02	---	7225.61
		02/15/96	---	57.39	---	7225.24
		05/21/96	---	57.79	---	7224.84
		08/12/96	---	58.11	---	7224.52
		11/18/96	---	58.38	---	7224.25
		02/24/97	---	58.75	---	7223.88
		05/19/97	---	59.01	---	7223.62
		08/18/97	---	59.33	---	7223.30
		11/16/97	---	59.66	---	7222.97
		02/10/98	---	59.97	---	7222.66
		06/08/98	---	60.36	---	7222.27
		09/29/98	---	60.73	---	7221.90
		04/27/99	---	61.29	---	7221.34

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-23B cont.	7,282.63	10/11/99	---	61.66	---	7220.97
		05/10/00	---	61.88	---	7220.75
		11/14/00	---	62.09	---	7220.54
		05/21/01	---	62.19	---	7220.44
		11/16/01	---	62.33	---	7220.30
		04/17/02	---	62.47	---	7220.16
		10/30/02	---	62.74	---	7219.89
		05/20/03	---	62.94	---	7219.69
		11/10/03	---	63.16	---	7219.47
		06/07/04	---	63.40	---	7219.23
		06/08/05	---	63.93	---	7218.70
		07/10/06	---	64.52	---	7218.11
		07/25/07	---	65.07	---	7217.56
		09/22/08	---	65.63	---	7217.00
		08/04/09	---	65.89	---	7216.74
		05/18/10	---	66.11	---	7216.52
		09/25/11	---	66.23	---	7216.40
		06/12/12	---	66.17	---	7216.46
		07/23/13	---	66.44	---	7216.19
5-24B	7,279.18	10/25/90	---	53.64	---	7225.54
		11/15/90	---	53.72	---	7225.46
		01/03/91	---	53.76	---	7225.42
		01/09/91	---	53.78	---	7225.40
		02/07/91	---	53.86	---	7225.32
		03/07/91	---	53.86	---	7225.32
		04/16/91	---	53.94	---	7225.24
		05/22/91	---	54.00	---	7225.18
		07/26/91	---	54.15	---	7225.03
		09/03/91	---	54.21	---	7224.97
		10/10/91	---	54.30	---	7224.88
		11/11/91	---	54.38	---	7224.80
		12/13/91	---	54.43	---	7224.75
		01/07/92	---	54.40	---	7224.78
		02/18/92	---	54.40	---	7224.78
		03/17/92	---	54.25	---	7224.93
		04/30/92	---	53.98	---	7225.20
		10/06/92	---	53.06	---	7226.12
		10/13/92	---	53.02	---	7226.16

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-24B cont.	7,279.18	04/19/93	---	52.33	---	7226.85
		04/21/93	---	52.33	---	7226.85
		11/14/95	---	54.62	---	7224.56
		02/15/96	---	54.96	---	7224.22
		05/21/96	---	55.38	---	7223.80
		08/12/96	---	55.66	---	7223.52
		11/18/96	---	55.93	---	7223.25
		02/24/97	---	56.26	---	7222.92
		05/19/97	---	56.50	---	7222.68
		08/18/97	---	56.78	---	7222.40
		11/16/97	---	57.07	---	7222.11
		02/10/98	---	57.32	---	7221.86
		06/08/98	---	57.69	---	7221.49
		09/29/98	---	58.03	---	7221.15
		04/27/99	---	58.56	---	7220.62
		10/11/99	---	58.89	---	7220.29
		05/10/00	---	59.04	---	7220.14
		11/14/00	---	59.22	---	7219.96
		05/21/01	---	59.29	---	7219.89
		11/16/01	---	59.38	---	7219.80
		04/17/02	---	59.45	---	7219.73
		10/30/02	---	59.66	---	7219.52
		05/20/03	---	59.79	---	7219.39
		11/10/03	---	59.93	---	7219.25
		06/07/04	---	60.07	---	7219.11
		06/08/05	---	60.41	---	7218.77
		07/10/06	---	60.68	---	7218.50
		07/25/07	---	60.85	---	7218.33
		09/22/08	---	60.96	---	7218.22
		08/04/09	---	61.00	---	7218.18
		05/18/10	---	61.00	---	7218.18
		09/25/11	---	60.89	---	7218.29
		06/12/12	---	60.82	---	7218.36
		07/23/13	---	61.02	---	7218.16
5-34B	7,294.71	05/12/92	---	48.62	---	7246.09
		05/13/92	---	48.60	---	7246.11
		05/14/92	---	48.58	---	7246.13
		06/19/92	---	48.18	---	7246.53

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-34B cont.	7,294.71	07/28/92	---	47.88	---	7246.83
		04/19/93	---	46.98	---	7247.73
		11/14/95	---	52.33	---	7242.38
		02/16/96	---	NM	---	---
		08/12/96	---	NM	---	---
		11/18/96	---	NM	---	---
		02/24/97	---	NM	---	---
		05/19/97	---	NM	---	---
		08/18/97	---	NM	---	---
		11/16/97	---	NM	---	---
		02/10/98	NM	61.00	---	7233.71
		10/11/99	58.54	58.56	0.02	7236.17
		05/10/00	57.33	57.35	0.02	7237.38
		11/14/00	---	57.61	---	7237.10
		05/21/01	58.78	58.83	0.05	7235.92
		11/16/01	---	59.26	---	7235.45
		04/17/02	59.09	59.86	0.77	7235.44
		10/30/02	---	60.10	---	7234.61
		05/21/03	59.48	60.72	1.24	7234.93
		11/10/03	---	61.31	---	7233.40
		06/07/04	60.32	61.38	1.06	7234.14
		06/08/05	---	61.26	---	7233.45
		08/05/05	---	61.33	---	7233.38
		07/10/06	61.02	61.56	0.54	7233.56
		07/25/07	62.44	62.97	0.53	7232.14
		09/22/08	61.35	61.40	0.05	7233.35
		08/04/09	61.05	61.06	0.01	7233.66
		05/18/10	61.73	61.78	0.05	7232.97
		09/25/11	---	60.61	---	7234.10
		06/12/12	sheen	60.89	sheen	7233.82
		07/23/13	61.55	61.58	0.03	7233.15
5-35B	7,296.11	05/05/92	---	50.55	---	7245.56
		05/14/92	---	50.32	---	7245.79
		05/30/92	---	50.14	---	7245.97
		06/19/92	---	49.94	---	7246.17
		06/29/92	---	49.81	---	7246.30
		07/24/92	---	49.61	---	7246.50
		08/07/92	---	49.51	---	7246.60

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-35B cont.	7,296.11	08/31/92	---	49.35	---	7246.76
		09/15/92	---	49.29	---	7246.82
		09/29/92	---	49.26	---	7246.85
		10/14/92	---	49.20	---	7246.91
		04/19/93	---	48.79	---	7247.32
		04/22/93	---	48.73	---	7247.38
		11/14/95	NM	NM	---	---
		02/15/96	NM	NM	---	---
		08/12/96	NM	NM	---	---
		11/18/96	NM	NM	---	---
		02/24/97	NM	NM	---	---
		05/19/97	sheen	56.21	sheen	7240.67
		08/18/97	---	56.41	---	7240.47
		11/16/97	NM	NM	---	---
	7,295.33 (a)	02/10/98	---	55.79	---	7239.54
		10/11/99	57.15	57.16	0.01	7238.18
		05/10/00	---	56.68	---	7238.65
		11/14/00	---	57.30	---	7238.03
		05/21/01	---	57.51	---	7237.82
		11/16/01	---	57.75	---	7237.58
		04/17/02	---	57.96	---	7237.37
		10/30/02	---	57.97	---	7237.36
		05/21/03	---	58.31	---	7237.02
		11/10/03	---	58.43	---	7236.90
		06/07/04	---	58.69	---	7236.64
		06/08/05	---	58.89	---	7236.44
		07/10/06	---	58.99	---	7236.34
		07/25/07	---	58.97	---	7236.36
		09/22/08	---	58.43	---	7236.90
		08/04/09	---	58.60	---	7236.73
		05/18/10	---	58.72	---	7236.61
		09/25/11	---	57.71	---	7237.62
		06/12/12	---	58.23	---	7237.10
		07/23/13	---	58.75	---	7236.58
		04/22/14	---	58.91	---	7236.42
5-41B	7,279.73	10/06/92	---	61.03	---	7218.70
		10/09/92	---	60.99	---	7218.74
		04/19/93	---	60.38	---	7219.35

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-41B cont.	7,279.73	04/20/93	---	60.40	---	7219.33
		11/14/95	---	61.90	---	7217.83
		02/15/96	---	62.26	---	7217.47
		05/21/96	---	62.72	---	7217.01
		08/12/96	---	63.12	---	7216.61
		11/18/96	---	63.52	---	7216.21
		02/24/97	---	63.97	---	7215.76
		05/19/97	---	64.36	---	7215.37
		08/18/97	---	64.72	---	7215.01
		11/16/97	NM	NM	---	---
		02/10/98	NM	NM	---	---
		05/10/00	NM	NM	---	---
		11/14/00	NM	NM	---	---
5-47B	7,268.35	10/06/92	---	62.71	---	7205.64
		10/07/92	---	62.71	---	7205.64
		04/19/93	---	62.18	---	7206.17
		04/20/93	---	62.20	---	7206.15
		11/14/95	---	62.77	---	7205.58
		02/15/96	---	63.27	---	7205.08
		05/21/96	---	63.83	---	7204.52
		08/12/96	---	64.31	---	7204.04
		11/18/96	---	64.75	---	7203.60
		02/24/97	---	TP	---	---
		05/19/97	---	65.39	---	7202.96
		08/18/97	---	66.03	---	7202.32
		11/16/97	---	NM	---	---
5-48B	7,292.64	10/06/92	---	46.80	---	7245.84
		10/12/92	---	46.96	---	7245.68
		04/19/93	---	46.52	---	7246.12
		04/21/93	---	46.51	---	7246.13
		11/14/95	---	51.00	---	7241.64
		02/15/96	---	51.60	---	7241.04
		05/21/96	---	52.22	---	7240.42
		08/12/96	---	52.75	---	7239.89
		11/18/96	---	53.24	---	7239.40
		02/24/97	---	53.76	---	7238.88
		05/19/97	---	54.11	---	7238.53

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-48B cont.	7,292.64	08/18/97	---	54.49	---	7238.15
		11/16/97	---	54.78	---	7237.86
		02/10/98	---	TP	---	---
		06/08/98	---	TP	---	---
		09/29/98	---	55.67	---	7236.97
		04/27/99	---	55.93	---	7236.71
		08/03/99	---	56.32	---	7236.32
		08/27/99	---	56.41	---	7236.23
		10/11/99	---	56.44	---	7236.20
		02/28/00	---	56.19	---	7236.45
		05/10/00	---	56.08	---	7236.56
		11/14/00	---	56.35	---	7236.29
		05/21/01	---	56.57	---	7236.07
		11/16/01	---	56.82	---	7235.82
		04/17/02	---	57.05	---	7235.59
		10/30/02	---	57.22	---	7235.42
		05/21/03	---	57.54	---	7235.10
		11/10/03	---	57.82	---	7234.82
		06/07/04	---	58.23	---	7234.41
		06/08/05	---	58.86	---	7233.78
		07/10/06	---	59.44	---	7233.20
		07/25/07	---	59.84	---	7232.80
		09/22/08	---	dry	---	dry
		08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	59.65	---	7232.99
		06/12/12	---	59.68	---	7232.96
		07/23/13	---	dry	---	dry
5-57B	7,257.80	04/19/93	---	59.97	---	7197.83
		11/14/95	---	60.21	---	7197.59
		02/15/96	---	60.58	---	7197.22
		05/21/96	---	61.03	---	7196.77
		08/12/96	---	61.44	---	7196.36
		11/18/96	---	61.80	---	7196.00
		02/24/97	---	62.20	---	7195.60
		05/19/97	---	62.51	---	7195.29
		08/18/97	---	62.82	---	7194.98
		11/16/97	NM	NM	---	---
5-58B	7,279.38	04/19/93	---	64.09	---	7215.29
		11/14/95	---	65.55	---	7213.83
		02/15/96	---	66.16	---	7213.22
		05/21/96	---	66.83	---	7212.55
		08/12/96	---	67.37	---	7212.01
		11/18/96	---	67.86	---	7211.52
		02/24/97	---	68.42	---	7210.96
		05/19/97	---	68.82	---	7210.56
		08/18/97	---	69.21	---	7210.17
		11/16/97	NM	NM	---	---

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-59	7,290.82	11/16/01	---	49.97	---	7240.85
		04/17/02	---	50.07	---	7240.75
		10/30/02	---	50.29	---	7240.53
		05/21/03	---	50.38	---	7240.44
		11/10/03	---	50.57	---	7240.25
		06/07/04	---	50.66	---	7240.16
		06/08/05	---	50.84	---	7239.98
		07/10/06	---	51.12	---	7239.70
		07/25/07	---	51.32	---	7239.50
		09/22/08	---	51.50	---	7239.32
		08/04/09	---	51.49	---	7239.33
		05/18/10	---	51.42	---	7239.40
		09/25/11	---	51.40	---	7239.42
		06/12/12	---	51.51	---	7239.31
		07/10/12	---	51.53	---	7239.29
		07/23/13	---	51.59	---	7239.23
		04/22/14	---	51.63	---	7239.19
5-60	7,290.83	11/16/01	---	52.01	---	7238.82
		04/17/02	---	52.07	---	7238.76
		10/30/02	---	52.27	---	7238.56
		05/21/03	---	52.33	---	7238.50
		11/10/03	---	52.51	---	7238.32
		06/07/04	---	52.60	---	7238.23
		06/08/05	---	52.75	---	7238.08
		07/10/06	---	52.97	---	7237.86
		07/25/07	---	53.10	---	7237.73

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
5-60 cont.	7,290.83	09/22/08	---	53.26	---	7237.57
		08/04/09	---	53.30	---	7237.53
		05/18/10	---	53.17	---	7237.66
		09/25/11	---	52.83	---	7238.00
		06/12/12	---	53.09	---	7237.74
		07/23/13		53.47		7237.36
SVE-1	7,296.88	02/10/98	---	58.35	---	7238.53
		10/11/99	---	59.28	---	7237.60
		05/10/00	---	58.78	---	7238.10
		11/14/00	---	59.07	---	7237.81
		11/16/01	---	59.83	---	7237.05
		04/17/02	---	60.01	---	7236.87
		10/30/02	---	60.20	---	7236.68
		05/21/03	---	60.54	---	7236.34
		11/10/03	---	60.84	---	7236.04
		06/07/04	---	61.16	---	7235.72
		06/08/05	---	61.46	---	7235.42
		07/10/06	---	dry	---	dry
		07/25/07	---	dry	---	dry
		09/22/08	---	dry	---	dry
		08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	61.39	---	7235.49
		06/12/12	---	61.31	---	7235.57
		07/23/13		61.43	---	7235.45
SVE-2	7,297.68	02/10/98	---	58.85	---	7238.83
		10/11/99	---	59.57	---	7238.11
		05/10/00	---	58.99	---	7238.69
		11/14/00	---	59.29	---	7238.39
		11/16/01	---	60.14	---	7237.54
		04/17/02	---	60.28	---	7237.40
		10/30/02	---	60.49	---	7237.19
		05/21/03	---	60.83	---	7236.85
		11/10/03	---	61.18	---	7236.50
		06/07/04	---	61.49	---	7236.19
		06/08/05	---	61.67	---	7236.01
		07/10/06	---	dry	---	dry

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
SVE-2 cont.	7,297.68	07/25/07	---	dry	---	dry
		09/22/08	---	dry	---	dry
		08/04/09	---	dry	---	dry
		05/18/10	---	dry	---	dry
		09/25/11	---	61.57	---	7236.11
		06/12/12	---	dry	---	dry
		07/23/13		dry		dry
SVE-3	7,293.68	02/10/98	---	56.24	---	7237.44
		10/11/99	---	57.42	---	7236.26
		11/16/01	---	57.81	---	7235.87
		04/17/02	---	58.01	---	7235.67
		10/30/02	---	58.18	---	7235.50
		05/21/03	---	58.49	---	7235.19
		11/10/03	---	58.76	---	7234.92
		06/07/04	---	59.15	---	7234.53
		06/08/05	---	60.42	---	7233.26
		07/10/06	60.05	60.71	0.66	7233.47
		07/25/07	60.51	60.52	0.01	7233.17
		09/22/08	---	60.53	---	7233.15
		08/04/09	---	60.08	---	7233.60
		05/18/10	---	60.91	---	7232.77
		09/25/11	---	60.13	---	7233.55
		06/12/12	---	60.25	---	7233.43
		07/23/13	---	60.99	---	7232.69
		04/22/14	---	61.80	---	7231.88
SVE-4	7,289.83	02/10/98	---	52.91	---	7236.92
		10/11/99	---	54.48	---	7235.35
		11/16/01	---	54.75	---	7235.08
		04/17/02	---	54.94	---	7234.89
		10/30/02	---	55.19	---	7234.64
		05/21/03	---	55.48	---	7234.35
		11/10/03	---	55.75	---	7234.08
		06/07/04	---	56.14	---	7233.69
		06/08/05	---	56.79	---	7233.04
		07/10/06	---	57.45	---	7232.38
		07/25/07	---	57.94	---	7231.89
		09/22/08	---	58.31	---	7231.52

TABLE 1
SUMMARY OF GROUNDWATER LEVEL DATA
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Measuring Point Elevation (fmsl)*	*Date*	*Depth to PSH (ft below MP)*	*Depth to Ground Water (ft below MP)*	*PSH Thickness (ft)*	*Ground Water Elevation (fmsl)*
SVE-4 cont.	7,289.83	08/04/09	---	58.36	---	7231.47
		05/18/10	---	58.57	---	7231.26
		09/25/11	---	58.10	---	7231.73
		06/12/12	---	58.03	---	7231.80
		07/23/13		58.71		7231.12
5-37I	7,296.31	10/11/99	---	58.90	---	7237.41
		05/10/00	---	58.46	---	7237.85
		11/14/00	---	58.99	---	7237.32
		11/16/01	---	59.46	---	7236.85
		04/17/02	---	59.64	---	7236.67
		10/30/02	---	59.71	---	7236.60
		05/21/03	---	59.94	---	7236.37
		11/10/03	---	60.14	---	7236.17
		06/07/04	---	60.33	---	7235.98
		06/08/05	---	60.37	---	7235.94
		07/10/06	---	60.47	---	7235.84
		07/25/07	---	60.45	---	7235.86
		09/22/08	---	59.93	---	7236.38
		08/04/09	---	60.28	---	7236.03
		05/18/10	---	60.18	---	7236.13
		09/25/11	---	59.15	---	7237.16
		06/12/12	---	59.71	---	7236.60
		07/23/13		60.27		7236.04
5-36E	7,296.56	10/11/99	---	60.76	---	7235.80
		05/10/00	---	59.76	---	7236.80
		11/14/00	---	59.25	---	7237.31
		11/16/01	---	61.31	---	7235.25
		04/17/02	---	61.51	---	7235.05
		10/30/02	---	61.59	---	7234.97
		05/21/03	---	61.46	---	7235.10
		11/10/03	---	61.86	---	7234.70
		06/07/04	---	62.30	---	7234.26
		06/08/05	---	62.62	---	7233.94
		07/10/06	---	62.83	---	7233.73
		07/25/07	---	62.93	---	7233.63
		09/22/08	---	62.46	---	7234.10
		08/04/09	---	61.84	---	7234.72
5-36E cont.	7,296.56	05/18/10	---	63.11	---	7233.45
		09/25/11	---	61.82	---	7234.74
		06/12/12	---	62.25	---	7234.31
		07/23/13		62.97		7233.59

MP = Measuring point

TABLE 2
SUMMARY OF FIELD PARAMETERS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
5-01B	11/21/95	3.8	7.37	12.8	1314	Muddy, no odor
	02/21/96	7.5	7.40	11.9	960	Turbid, no odor
	05/23/96	10.6a	7.28	13.2	1327	Turbid
	08/14/96	NM	7.51	15.8	1324	Turbid, no odor
	11/21/96	6.3	7.13	13.0	1080	Turbid
	02/27/97	4.57	7.49	7.7	820	Turbid
	05/21/97	3.73	7.02	14.0	990	Slightly turbid
	08/20/97	NM	7.29	14.7	1312	Turbid, no odor
5-01C	11/23/97	5.5	7.59	14.9	1252	Clear
	02/12/98	3.4	7.86	11.3	1137	Clear
	06/11/98	5.9	7.77	17.5	1248	Clear
	10/01/98	2.8	7.70	13.9	1255	Clear
	04/29/99	--/2.8	7.67	13.1	1262	Clear
	10/13/99	4.1	7.78	14.9	1294	Clear
	05/12/00	0.0/1.2	7.57	12.8	1390	Clear
	11/17/00	2.6	7.57	13.0	1467	Clear
	05/22/01	2.6/2.6	7.48	14.0	1510	Clear
	11/18/01	2.5	7.46	14.7	1506	Clear
	04/20/02	3.2	7.50	14.5	1494	Clear
	10/30/02	3.6	7.48	14.8	1498	Cloudy
	05/21/03	3.5	7.43	15.7	1571	Clear
	11/10/03	3.9	7.32	12.5	1387	Clear
	06/07/04	2.7	7.43	14.5	1637	Clear
	06/08/05	---	7.39	14.1	1658	---
	07/11/06	3.3	7.28	13.4	1318	Clear
	07/25/07	3.3	7.61	13.4	1300	Clear
	09/23/08	3.0	7.88	13.0	1310	Clear
	08/04/09	3.9	7.08	14.2	1718	Cloudy
5-02B	11/21/95	2.1	6.89	14.5	920	Slightly cloudy, HC odor
	02/22/96	4.0	7.14	11.9	1010	Colorless, suspended black silt, HC odor
	05/23/96	1.4	7.21	14.0	1430	HC odor, suspended black fine sand and silt
	08/14/96	NM	7.36	15.0	1000	HC odor, suspended black fine sand and silt
	11/21/96	2.9	7.02	13.0	990	Black, HC odor
	02/28/97	2.17	7.20	9.6	990	Clear
5-02C	11/24/97	3.0	7.24	12.5	1439	Turbid, Reddish
	02/11/98	0.9	7.24	10.1	1397	Clear
	06/10/98	1.3	7.15	13.5	1502	Slightly turbid, odor
	10/01/98	2.1	7.17	14.6	1617	Cloudy, odor
	04/28/99	--/0.8	7.10	13.4	1756	Clear, Strong HC odor
	10/13/99	0.9	7.12	14.1	1858	Cloudy, odor
	05/13/00	0.9	7.11	13.4	1821	Clear, strong odor
	11/17/00	2.2	7.18	13.1	1832	Clear, odor

TABLE 2
SUMMARY OF FIELD PARAMETERS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
5-02C cont.	05/24/01	2.6/1.6	7.11	15.8	1800	Clear, odor
	11/17/01	NM	7.14	14.8	1806	Clear, odor
	04/20/02	1.5	7.15	15.0	1829	Cloudy, sweet odor
	10/31/02	0.9	7.11	15.6	1811	Cloudy, odor
	05/22/03	1.2	7.10	16.4	1833	Cloudy, odor
	11/11/03	1.7	7.03	12.9	1541	Cloudy, odor
	06/08/04	1.3	7.04	15.9	1934	Clear
	06/09/05	---	7.04	14.3	1984	---
	09/25/11	--	--	--	--	sheen, odor, very turbid, bailing down
	07/10/12	--	--	--	--	sheen, odor, very turbid, bailing down
	07/23/13	--	--	--	--	pulled in psh, odor, very turbid
	04/21/14	--	--	--	--	LNAPL
5-03B	11/15/95	8.0	7.59	14.0	860	Clear, no odor
	05/20/96	7.0b	8.26	13.4	1282	Turbid
	08/12/96	8.6b	7.91	14.2	1000	Turbid
	11/18/96	8.0/7.0	7.77	12.0	1110	Turbid
	02/24/97	5.74/7.0	7.77	10.2	980	Turbid
	05/20/97	8.8/8.0	7.73	13.8	1060	Turbid
	05/18/97	8.0	7.69	13.5	1423	Turbid, Reddish
	11/17/97	7.36/8.0	7.64	13.4	1100	Turbid
	02/10/98	8.17	7.36	12.5	1000	Turbid
	06/08/98	8.8	7.58	13.4	1375	Turbid
	06/11/98	8.8	7.60	13.3	1379	Turbid (Resample - 1st Voa's broke)
	09/29/98	8.3/8.0	7.59	13.9	1390	Turbid
	04/27/99	8.6	7.72	13.8	1357	Redish silt, Turbid
	10/11/99	8.6/8.0	7.75	13.1	1326	Redish silt, Turbid
	05/11/00	7.6/7.5	7.78	13.1	1311	Redish turbid
	05/22/01	8.5/8.0	7.79	14.1	1314	Redish turbid
	04/18/02	8.2	7.81	14.9	1347	Red sand, turbid
	05/20/03	8.1	7.74	16.0	1415	Red sand, turbid
	06/07/04	2.7	7.65	14.2	1450	Red sand, turbid
5-04B	11/17/95	NM	7.15	14.6	1097	Clear, moderate HC odor
	11/22/95	5.6	7.87	14.0	720	Slightly cloudy, no HC odor
	05/14/00	--	--	--	--	Bailed dry @ 0.3 gals
	11/17/00	1.9	7.57	12.1	1851	Bailed dry @ 0.3 gals, turbid
	05/22/01	2.7/2.6	7.54	16.1	1994	Bailed dry @ 0.3 gals, turbid
	11/18/01	4.0	7.56	16.6	1994	Turbid w/odor. Bailed dry @ 0.2 gal
	04/19/02	4.8	7.48	17.0	1974	Turbid, Bailed dry @ 0.15 gal
	10/30/02	4.9	7.31	17.1	1961	Turbid, Bailed dry @ 0.06 gal
	05/21/03	7.1	7.52	18.5	1966	Clear, Bailed dry @ 0.08 gal
	11/10/03	8.9	7.85	14.9	1669	Muddy, Bailed dry @ 0.07 gal
5-05B	11/17/95	2.9	7.04	13.0	1350	Clear, moderate HC odor

TABLE 2
SUMMARY OF FIELD PARAMETERS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
5-05B cont.	05/22/96	1.4	7.36	13.8	1419	Clear, no odor
	08/14/96	1.08	7.61	14.3	1395	Cloudy, HC odor
	11/20/96	4.2	7.26	12.2	1110	Clear
	02/25/97	2.86	7.46	8.2	890	Cloudy, HC odor
	10/13/99	7.1	7.42	13.2	1512	Clear
	05/11/00	2.2/2.4	7.38	13.3	1565	Cloudy
	11/17/00	2.5	7.43	12.8	1592	Cloudy
	05/22/01	2.5	7.37	14.4	1578	Cloudy, bailing down
	11/18/01	1.1	7.45	14.8	1290	Muddy, debris in well, odor (not hydrocarb)
	04/18/02	0.8	7.41	17.9	1444	Turbid (muddy water)
	10/30/02	1.2	7.29	15.1	1495	Turbid
	05/21/03	1.0	7.29	15.8	1515	Turbid (muddy water)
	11/10/03	2.1	7.16	12.4	1316	Turbid (muddy water)
	06/08/04	1.0	7.21	13.9	1555	Cloudy
5-06B	11/21/95	3.2	7.51	14.0	880	Slightly cloudy, no HC odor
	02/22/96	7.2	7.71	12.6	880	Clear, slight HC ordor
	05/23/96	1.7	7.90	13.2	1248	Clear
	08/15/96	NM	7.57	15.0	980	Clear, possible slight HC odor
	11/22/96	4.5	7.34	11.9	900	Clear
	02/28/97	1.11	7.78	11.7	895	Clear
	05/22/97	1.66	7.29	13.5	920	Clear
	08/20/97	2.7/2.2	7.62	14.2	1140	Clear
5-06C	11/23/97	0.5/0.8	7.67	14.3	1181	Turbid
	02/12/98	0.0	7.75	11.9	1072	Clear
	06/11/98	3.2/0.6	7.67	16.0	1159	Clear
	10/02/98	0.7	7.64	13.6	1152	Clear
	04/29/99	--/1.0	7.55	12.8	1135	Clear
	10/14/99	0.2/0.4	7.66	13.3	1156	Clear
	05/13/00	0.4/0.6	7.65	13.2	1178	Clear
	11/17/00	2.1	7.62	13.0	1287	Turbid
	05/22/01	0.9	7.61	13.9	1252	Turbid
	11/18/01	1.1	7.62	14.4	1241	Cloudy
	04/20/02	1.4	7.64	14.4	1256	Clear
	10/30/02	0.5	7.62	14.7	1265	Clear
	05/21/03	1.7	7.47	15.2	1432	Cloudy
	11/10/03	1.8	7.38	12.3	1244	Cloudy
	06/07/04	1.4	7.43	14.4	1441	Turbid
	06/09/05	---	7.34	12.7	1560	---
	07/11/06	2.0	7.42	13.7	1145	Clear
	07/25/07	3.0	7.57	13.0	1094	Clear
	09/23/08	3.1	7.88	13.2	1115	Clear
	08/04/09	2.8	7.06	13.4	1461	Clear
	05/18/10	2.9	6.83	12.6	1538	Clear

TABLE 2
SUMMARY OF FIELD PARAMETERS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
5-06C cont.	09/25/11	6.9	7.24	13.8	1351	Cloudy
	06/12/12	3.6	7.00	13.3	1469	Clear
	07/10/12	3.7	7.15	13.2	1455	Clear
	07/23/13	3.1	6.80	13.3	1517	Clear
	04/22/14	3.8	6.95	15.4	1585	Clear
5-12B	11/16/95	6.5	7.38	13.9	900	Clear, no odor
	05/24/96	8.0	7.44	15.0	870	Clear
	08/13/96	8.6	8.27	13.9	1242	Clear
	11/19/96	--/8.0	7.25	12.5	890	Clear, no odor
	02/26/97	4.78/6.5	7.58	11.8	895	Clear
	05/21/97	6.15	7.48	13.7	905	Clear
	08/19/97	--/7.0	7.61	14.9	1255	Clear
	11/17/97	8.49	7.65	13.9	990	Clear
	02/11/98	6.2 /7.0	7.70	11.3	1114	Clear
	06/09/98	10.2/8.0	7.65	17.1	1217	Clear
	09/30/98	8.1/7.0	7.67	15.4	1232	Clear
	04/27/99	7.8	7.70	12.8	1240	Clear
	10/12/99	7.2	7.87	14.2	1241	Clear
	05/11/00	6.7	7.83	14.4	1248	Clear
	05/23/01	6.7	7.78	15.2	1251	Clear
	04/19/02	7.4	8.04	15.1	1241	Clear
	05/20/03	8.6	8.00	15.8	1242	Clear
	06/08/04	3.9	8.03	16.3	1323	Clear
5-13B	11/20/95	4.3	7.59	13.9	800	Clear, HC odor
	02/21/96	4.2	7.67	13.8	840	Clear, HC odor
	05/22/96	1.4	7.68	13.8	860	Clear
	08/13/96	3.04	8.71	14.5	850	Clear, HC odor
	11/20/96	2.7	7.49	13.0	850	Clear, HC odor
	02/26/97	1.51	7.53	11.9	850	Clear
	05/21/97	2.79	7.31	13.4	880	Clear, Slight HC odor
	08/19/97	1.2/0.8	7.49	17.6	1205	Clear, HC odor
	11/18/97	--/1.2	7.78	10.1	1060	Clear
	02/11/98	1.3/1.0	7.81	11.0	1077	Clear, Odor
	06/09/98	1.8	7.54	14.6	1166	Clear, Odor
	09/30/98	1.2/1.4	7.57	14.3	1187	Clear, HC odor
	04/27/99	--	7.54	12.8	1223	Clear, HC odor
	10/12/99	3.0	7.62	13.4	1257	Clear
	05/11/00	0.1/0.8	7.50	13.2	1274	Clear
	11/16/00	2.1/1.0	7.44	13.2	1306	Clear
	05/23/01	2.3	7.47	14.1	1296	Clear
	11/17/01	2.2	7.53	15.0	1288	Clear
	04/19/02	1.9	7.49	15.2	1267	Cloudy
	10/31/02	1.7	7.47	15.4	1265	Clear

TABLE 2
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THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
5-13B cont.	05/20/03	1.9	7.44	15.5	1263	Clear
	11/11/03	1.8	7.34	12.9	1112	Clear
	06/08/04	1.5	7.95	16.4	1330	Clear
5-14B	11/16/95	8.0	8.03	14.6	1056	Very slightly cloudy
	05/21/96	9.8a	8.01	13.9	1011	Clear
	08/13/96	6.89	8.64	15.6	992	Clear
	11/19/96	6.1	7.42	12.5	720	Silty amber, no odor
	02/26/97	--/6.5	7.87	10.5	931	Clear, no odor
	05/21/97	6.81/7.0	7.87	13.2	964	Clear
	11/17/97	6.8	7.86	11.9	841	Clear
	02/10/98	8.12	6.91	10.2	630	Clear
	06/09/98	8.7/8.5	7.85	17.3	923	Clear
	09/30/98	6.70	7.79	15.0	1064	Slightly Turbid
	04/27/99	7.5/6.5	7.79	13.3	1058	Turbid
	10/12/99	7.9	7.88	13.5	1075	Cloudy
	05/11/00	7.3	7.85	13.0	1014	Clear
	05/24/01	8.1	7.86	14.3	1027	Clear
	04/19/02	6.9	7.86	15.5	1148	Turbid
	05/22/03	7.2	7.79	16.1	1168	Cloudy
	06/08/04	3.4	7.82	16.2	1246	Red Cloudy
5-15B	11/16/95	6.9	7.98	12.5	982	Clear, no odor
	05/22/96	4.9	7.67	13.0	710	Clear
	08/14/96	9.85	8.26	14.4	1006	Clear
	11/20/96	--/8.0	7.54	14.0	720	Clear
	02/26/97	--/6.8	7.82	11.4	977	Clear, no odor
	05/21/97	6.49	7.77	12.9	1020	Clear
	08/19/97	8.0/8.0	7.80	14.5	934	Clear
	11/17/97	6.4/6.5	7.78	11.8	904	Clear
	02/11/98	6.22/7.0	7.39	13.1	720	Slightly Turbid
	06/10/98	8.0/7.0	7.73	14.4	979	Slightly Turbid
	09/30/98	9.6	7.76	16.1	1031	Turbid
	04/28/99	--/7.0	7.73	13.0	1022	Cloudy
	10/12/99	5.8	7.87	13.3	950	Clear
	05/12/00	8.1	7.65	13.1	1008	Clear
	05/24/01	6.4	7.77	14.6	1049	Clear
	04/19/02	6.0	7.79	15.6	1116	Clear
	05/22/03	5.2	7.73	17.0	1150	Clear
	06/08/04	3.1	7.69	15.2	1159	Cloudy
5-16B	11/20/95	2.4	7.50	13.0	800	Clear, strong HC odor
	02/21/96	3.5	7.58	13.8	840	Clear, HC odor
	05/23/96	1.3	7.47	13.2	1181	Clear, very strong HC odor
	08/15/96	1.9/1.0	7.46	14.3	1214	Clear, very strong HC odor

TABLE 2
SUMMARY OF FIELD PARAMETERS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
	11/21/96	--/1.0	7.45	13.0	1000	Clear, HC odor
	02/27/97	2.31	7.52	12.0	1131	Clear, strong HC odor
	05/22/97	1.13	7.30	14.9	900	Clear, strong HC odor
	08/20/97	1.6/0.4	7.41	15.4	1100	Clear, HC odor, Film on top
	11/19/97	0.4/0.4	7.46	12.6	1096	Clear, HC odor
	02/11/98	2.78	7.16	11.6	840	Clear, HC odor, film/sheen
	06/10/98	--	--	--	--	Clear w/sheen, turns blk, PSH odor
	10/01/98	--	--	--	--	Clear w/sheen, turns blk, PSH odor
	04/28/99	--	--	--	--	Clear w/sheen, turns blk, PSH odor
	10/13/99	--	--	--	--	Clear w/sheen, turns blk, PSH odor
	05/12/00	--	--	--	--	Clear w/blk particulates, sheen, strong odor
	11/17/00	--	--	--	--	Clear w/blk particulates, sheen, strong odor
	05/24/01	--	--	--	--	Clear w/blk particulates, sheen, strong odor
	11/18/01	--	--	--	--	Clear w/blk suspended solids, sheen
5-16B cont.	04/20/02	--	--	--	--	Clear w/blk suspended solids, sheen
	10/31/02	--	--	--	--	Clear w/blk suspended solids, sheen
	05/22/03	--	--	--	--	Clear w/blk suspended solids, sheen
	11/11/03	--	--	--	--	Clear w/blk suspended solids, sheen
	06/08/04	1.47	7.76	15.60	544	Brackish, strong odor
	06/08/05	---	7.67	15.30	1566	Strong odor
	07/10/06	--	--	--	--	Clear w/blk suspended solids, sheen
	07/25/07	--	--	--	--	Clear w/blk suspended solids, sheen
	09/23/08	--	--	--	--	Clear w/blk suspended solids, sheen
	08/04/09	--	--	--	--	Clear w/blk suspended solids, sheen
	05/18/10	--	--	--	--	Clear w/blk suspended solids, sheen,odor
	09/25/11	--	--	--	--	bailed down, turbid, odor, sheen, blk
	06/12/12	--	--	--	--	bailed down, turbid, odor, sheen, blk
	07/23/13	--	--	--	--	bailed down, turbid, odor, sheen, blk
	04/21/14	2.00	6.88	14.72	1596.00	Cloudy with HC odor
	11/20/95	7.4	7.65	13.4	1525	Clear, no odor
	05/22/96	6.4	7.44	12.5	1005	Clear
	08/14/96	NM	7.66	17.0	1090	Clear
	11/20/96	NM	7.69	13.6	1160	Clear
	02/27/97	4.57	7.64	11.6	930	Clear
	05/21/97	NM	7.64	14.2	990	Clear
	08/20/97	9.0/8.0	7.67	15.8	1335	Clear, no odor
5-17B	11/18/97	9.5	7.91	12.0	990	Clear
	02/11/98	NM	7.25	10.2	910	Clear
	06/10/98	9.4	7.67	13.9	1331	Clear
	10/02/98	10.0	7.70	15.0	1345	Clear
	04/28/99	--/7.8	7.69	13.7	1344	Clear
	10/13/99	8.8/9.0	7.77	12.9	1381	Clear
	05/12/00	8.2	7.76	12.9	1363	Clear
	11/17/00	8.5	7.78	13.1	1385	Clear

TABLE 2
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THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
5-17B cont.	05/23/01	9.2/8.0	7.73	14.6	1405	Clear
	11/17/01	NM	7.73	14.9	1388	Clear
	04/19/02	8.4	7.80	14.8	1401	Clear
	10/31/02	8.5	7.75	15.3	1361	Clear
	05/22/03	8.6	7.71	15.7	1383	Clear
	11/11/03	8.9	7.61	12.6	1231	Clear
	06/08/04	3.3	7.44	14.9	1529	Clear
	06/08/05	---	7.36	13.9	1816	---
	07/10/06	3.2	7.25	13.1	1597	Clear
	07/25/07	4.7	7.48	13.6	1557	Clear
	09/23/08	5.6	7.83	13.1	1583	Clear
	08/04/09	5.9	7.02	13.7	2005	Clear
5-18B	11/17/95	1.4	7.68	14.0	720	Clear, HC odor
	02/21/96	5.6	7.76	12.2	760	Clear, HC odor
	05/22/96	1.5	7.62	13.3	790	Clear
	08/14/96	2.38	8.27	14.2	1071	Clear, HC odor
	11/20/96	2.3	7.70	13.0	890	Clear, HC odor
	02/27/97	1.29	7.78	11.7	988	Clear, HC odor
	05/22/97	4.45	7.71	13.3	1065	Clear, HC odor
	08/19/97	0.8/0.4	7.69	14.1	988	Clear, HC odor
	11/17/97	7.76	7.72	12.9	860	Clear
	02/11/98	2.28	7.33	12.8	790	Clear, HC odor
	06/10/98	0.6/0.6	7.61	13.6	1095	Clear, Odor
	09/30/98	2.2/0.8	7.60	15.6	1142	Clear, HC odor
	04/28/99	--/1.4	7.53	12.7	1144	Clear, HC odor
	10/12/99	2.3/2.0	7.64	14.0	1164	Clear, HC odor
	05/12/00	2.4	7.54	13.4	1198	Clear, Odor
	11/16/00	3.8	7.52	13.0	1257	Clear, Odor
	05/24/01	3.8	7.51	15.7	1264	Clear
	11/17/01	3.8	7.51	15.4	1234	Clear
	04/20/02	2.0	7.61	14.5	1124	Clear
	10/31/02	1.0	7.56	15.5	1112	Clear, slight odor
	05/22/03	1.6	7.52	15.6	1117	Clear, Odor
	11/11/03	1.9	7.45	13.0	976	Clear, Odor
	06/08/04	1.8	7.43	16.5	1171	---
	06/08/05	---	7.52	14.7	1198	---
	07/10/06	3.0	7.39	13.9	964	Clear
	07/25/07	1.3	7.59	14.8	962	Clear
	09/23/08	2.9	7.91	14.5	989	Clear
	08/04/09	1.1	7.04	15.2	1233	Clear w/susp. solids, Bailed down
	05/18/10	1.7	6.78	13.2	1341	Turbid, bailing down
	09/25/11	2.1	7.10	13.5	1389	Turbid
	06/12/12	2.1	6.97	13.5	1362	Turbid
	07/23/13	2.4	6.93	14.2	1363	Turbid

TABLE 2
SUMMARY OF FIELD PARAMETERS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
5-18B cont.	04/21/14	5.4	7.11	21.0	1312	clear
5-19B	11/20/95	2.00	7.68	13.0	700	Clear, slight HC odor
	02/21/96	4.4	7.81	12.7	730	Clear, HC odor
	05/22/96	2.0	7.78	14.1	1023	Clear, slight HC odor
	08/14/96	3.0	7.99	14.7	1022	Clear
	11/21/96	3.2	7.79	12.8	840	Clear, HC odor
	02/27/97	1.9/1.8	7.83	10.2	951	Clear, HC odor
	05/21/97	2.7	7.84	12.8	1002	Clear, HC odor
	08/20/97	2.5/1.6	7.82	15.7	939	Clear, HC odor
	11/17/97	3.68/1.0	7.91	12.3	800	Clear, Slight HC odor
	02/11/98	2.26	7.47	12.0	710	Clear, HC odor
	06/10/98	0.5	7.80	13.8	968	Clear, Odor
	10/01/98	0.2/0.4	7.75	14.0	982	Clear, HC odor
	04/28/99	--/0.4	7.89	12.7	982	Clear, HC odor
	10/12/99	0.2	8.00	13.6	990	Clear, HC odor
	05/12/00	0.6/0.8	7.89	13.0	986	Clear, slight odor
	11/17/00	1.2/1.4	7.96	13.2	999	Clear, Odor
	05/24/01	1.8/1.6	7.93	14.9	1007	Clear
	11/17/01	1.5	7.92	15.2	1019	Clear
	04/19/02	0.7	8.00	15.1	1038	Clear
	10/31/02	2.6	7.95	15.5	1051	Clear
	05/22/03	1.0	7.88	16.2	1094	Clear
	11/11/03	1.4	7.81	13.0	971	Clear
	06/08/04	1.5	7.87	15.0	1147	Cloudy
5-20B	11/17/95	2.9	7.16	13.7	1200	Clear, slight HC odor
	05/22/96	1.8	7.18	14.4	1120	Clear
	08/14/96	4.84	7.82	16.2	1629	Clear, HC odor
	11/20/96	NM	7.04	12.5	1180	Clear
	02/27/97	1.51	7.21	11.1	1120	Slightly Cloudy
	05/22/97	1.83/1.0	7.39	13.4	1537	Clear, HC odor
	08/19/97	2.5/1.2	7.13	16.9	1590	Clear, HC odor
	11/18/97	6.91	7.42	12.4	1200	Clear, HC odor
	02/11/98	0.00	7.35	10.9	1369	Clear
	06/09/98	2.80	7.29	16.1	1481	Clear
	10/01/98	2.4/1.8	7.31	15.8	1467	Clear
	04/28/99	--/0.8	7.30	13.4	1362	Clear
	10/12/99	2.6/2.2	7.46	14.4	1334	Clear
	05/12/00	0.5/0.6	7.25	12.7	1325	Clear, slight odor
	11/16/00	1.4/1.4	7.45	12.7	1337	Clear, slight odor
	05/24/01	1.1/0.8	7.48	14.4	1290	Clear, slight odor
	11/17/01	1.4	7.52	15.2	1260	Clear, slight odor
	04/19/02	0.7	7.49	14.9	1275	Clear
	10/31/02	1.1	7.48	15.3	1292	Clear

TABLE 2
SUMMARY OF FIELD PARAMETERS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
5-20B cont.	05/22/03	0.5	7.42	15.7	1306	Clear
	11/11/03	1.5	7.35	12.9	1149	Clear
	06/08/04	1.6	7.41	13.9	1332	Clear
	06/08/05	---	7.43	15.0	1347	---
	07/10/06	1.3	7.46	13.5	1030	Clear
	07/25/07	1.3	7.55	14.3	1028	Clear
	09/23/08	1.9	7.88	13.6	1032	Clear
	08/04/09	0.3	6.99	14.1	1335	Clear
	05/18/10	2.1	6.99	12.9	1419	Clear
	09/25/11	1.9	7.17	13.3	1401	Turbid
	06/12/12	1.6	7.03	13.4	1390	Clear
	07/23/13	1.7	6.89	13.4	1353	Clear
	04/21/14	3.4	6.98	18.4	1213	Clear
5-22B	11/15/95	6.4	7.70	12.9	990	Clear, no odor
	02/22/96	6.6	7.47	12.3	1030	Turbid, very light brown, no odor
	05/20/96	NM	8.32	13.8	1549	Slightly turbid
	08/12/96	8.01	7.63	15.0	1100	Turbid, no odor
	11/18/96	5.6	7.48	12.2	1300	Slightly cloudy
	02/27/97	3.53	7.39	10.0	1180	Turbid, HC odor
	05/22/97	NM	7.49	13.0	1899	Turbid
	08/20/97	3.0/2.2	7.32	14.8	2060	Clear, HC odor
	11/18/97	--/1.8	7.80	13.6	1740	Turbid, slight odor
5-23B	11/16/95	3.8	7.31	13.3	800	Clear, no odor
	05/22/96	2.6	7.66	13.0	1077	Clear
	08/13/96	5.06	8.80	15.0	780	Clear
	11/19/96	4.4	7.69	13.0	880	Clear
	02/26/97	--/3.4	7.73	11.8	1018	Clear, no odor (3.4 DO is low range of Hach)
	05/21/97	4.1/4.0	7.73	12.6	1036	Clear, (low range Hach DO = 3.8)
	08/19/97	3.0/2.8	7.75	14.5	949	Clear
	11/17/97	2.0	7.74	11.1	920	Clear
	02/10/98	1.0	7.77	10.7	928	Clear
	06/08/98	2.8/2.2	7.01	13.7	1004	Clear
	09/29/98	2.6/2.0	7.67	13.7	1013	Clear
	04/27/99	2.6/2.0	7.72	12.9	1015	Clear
	10/12/99	1.6/1.8	7.83	12.8	1024	Clear
	05/11/00	1.5/1.8	7.77	13.0	1035	Clear
	05/23/01	2.1	7.72	14.0	1084	Clear
	04/19/02	1.5	7.72	15.0	1103	Clear
	05/20/03	1.2	7.71	15.6	1112	Clear
	06/08/04	1.6	7.63	14.3	1131	Clear
5-24B	11/17/95	1.7	7.33	13.2	1050	Slight cloudy, HC odor
	05/21/96	3.5	7.41	13.9	1050	Clear

TABLE 2
SUMMARY OF FIELD PARAMETERS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
5-24B cont.	08/13/96	2.32	8.07	16.0	1050	Clear
	11/19/96	3.30	7.36	12.6	1210	Slightly turbid, faint odor
	02/26/97	--/1.4	7.42	11.6	1468	Clear, slight odor
	05/20/97	4.83	7.56	12.6	1240	Clear
	05/21/97	3.44	7.24	13.1	1110	Slight odor, little cloudy
	08/19/97	3.8/4.0	7.32	15.5	1568	Slightly turbid, Red
	11/18/97	2.20	7.39	12.2	1386	Slightly turbid
	02/10/98	3.2/3.0	7.44	11.2	1392	Slightly turbid
	06/09/98	4.30	7.34	14.6	1492	Cloudy, turbid
	09/29/98	5.5	7.32	13.6	1499	Turbid
	04/27/99	9.7/8.0	7.37	14.1	1501	Slightly Cloudy
	10/11/99	4.3	7.46	13.6	1468	Very Turbid
	05/11/00	4.8	7.43	13.5	1454	Cloudy
	11/16/00	7.4/6.0	7.52	12.6	1467	Red, very turbid
	05/23/01	2.9	7.52	15.0	1475	Turbid, redish color
	11/17/01	4.9	7.54	15.3	1449	Clear
	04/19/02	2.2	7.56	15.0	1426	Very turbid, red sand
	10/31/02	4.1	7.62	15.3	1413	Very turbid
	05/20/03	1.3	7.51	15.4	1397	Turbid
	11/11/03	4.8	7.46	13.0	1215	Turbid
	06/08/04	2.8	7.68	15.4	1428	Turbid
5-35B	05/18/10	1.6	6.48	15.1	1834	Black, odor, flim like sheen
	09/25/11	1.5	6.96	17.5	1554	Black, odor, sups. solids
	06/12/12	1.7	6.84	15.8	1643	Turbid, odor, light sheen
	07/23/13	--	--	--	--	Black, odor, sheen, bailed down
	04/22/14	1.85	6.49	15.45	1644.00	Black, odor, sheen, bailed down
5-37I	08/15/96	1.67	8.48	17.2	1382	Turbid, green cloudy color, strong HC odor
	11/22/96	NM	7.70	14.9	1080	Greenish black, strong HC odor
5-41B	11/16/95	2.00	7.28	14.5	940	Clear, no odor
	05/21/96	1.82	7.41	15.8	920	Clear
	08/13/96	2.68	7.99	15.0	910	Clear
	11/19/96	3.80	7.41	13.8	1080	Clear
	02/25/97	1.65	7.43	12.5	930	Clear
	05/20/97	4.83/3.0	7.56	12.6	1230	Clear (Hach DO low range = 2.6)
	08/18/97	--/2.2	7.55	14.1	1285	Clear
5-47B	11/15/95	2.50	7.83	13.0	900	Slightly cloudy, no odor
	05/21/96	4.70	7.54	14.6	1080	Clear
	08/13/96	3.17	7.98	15.2	1060	Clear
	11/19/96	NM	7.56	19.1	1110	Clear
	02/26/97	2.20	7.71	11.0	1000	Clear
	05/20/97	3.18/2.6	7.74	13.8	1100	Slightly turbid

TABLE 2
SUMMARY OF FIELD PARAMETERS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
5-47B cont.	08/18/97	--/4.0	7.68	16.3	1470	Clear
5-48B	11/20/95	1.40	7.60	13.7	1035	Clear, strong HC odor
	02/21/96	3.60	7.54	14.0	750	Very slightly cloudy, HC odor
	05/22/96	2.20	7.62	14.6	1032	Clear, HC odor
	08/14/96	2.80	7.62	15.5	800	Clear, strong HC odor
	11/21/96	3.10	7.45	15.2	780	Clear, strong HC odor
	02/27/97	2.40	7.61	11.8	950	Clear, strong HC odor
	05/22/97	2.52	7.33	14.1	820	Clear, strong HC odor
	08/20/97	2.2/0.4	7.34	18.3	1139	Yellow tint, strong HC odor
	11/19/97	5.57/1.6	7.48	14.0	900	Clear, strong HC odor
	02/12/98	2.23	7.44	14.8	810	Clear, HC odor
	06/11/98	3.6/2.0	7.53	16.3	1176	Clear, HC odor
	10/01/98	0.2	7.56	15.7	1239	Cloudy w/blk flec's, turns dark in light,odor
	04/28/99	--	7.47	15.4	1261	Clear w/blk flec's, strong HC odor, sheen
	10/12/99	--	--	--	--	Clear w/blk flec's, strong HC odor, sheen
	05/12/00	--	--	--	--	Blk, turbid, odor, sheen streamers
	11/17/00	--	--	--	--	Blk, turbid, odor, sheen streamers
	05/22/01	--	--	--	--	Blk, turbid, odor, sheen streamers
	11/18/01	--	--	--	--	Blk, suspended solids, odor, sheen
	04/20/02	0.9	7.54	15.7	1524	Turbid, odor
	10/30/02	--	--	--	--	Blk, suspended solids, turbid, odor, sheen
	05/21/03	--	--	--	--	Blk, suspended solids, turbid, odor, sheen
	11/11/03	--	--	--	--	Blk, suspended solids, turbid, odor, sheen
	06/07/04	0.9	7.51	16.2	1550	Black
	06/09/05	---	7.31	15.5	1530	Black, brackish
5-57B	11/15/95	4.60	7.59	13.1	880	Brown muddy
	05/20/96	3.10	8.75	13.2	1212	Slightly turbid
	08/12/96	5.24	7.76	14.0	875	Slightly turbid, no odor
	11/18/96	5.4/2.2	7.53	12.9	980	Slightly cloudy
	02/25/97	--/3.4	7.71	10.6	1191	Light amber, no odor
	05/20/97	6.01	7.69	12.8	1130	Slightly cloudy, reddish tint, no odor
	08/18/97	0.7/2.6	7.69	14.4	1071	Slightly turbid
5-58B	11/16/95	8.10	7.47	14.8	740	Cloudy brown, no odor
	05/20/96	6.70	8.71	13.2	1073	Slightly turbid
	08/12/96	6.44	7.71	14.5	750	Slightly turbid, no odor
	11/18/96	7.00	7.58	12.6	880	Slightly cloudy
	02/25/97	7.0b	7.69	11.4	1073	Light amber, no odor
	05/20/97	6.84	7.73	13.2	790	Slightly turbid
	08/18/97	5.8/6.5	7.68	15.2	964	Slightly turbid
5-59	11/18/01	6.2	7.50	14.5	1430	Turbid, bailed down
	04/20/02	6.7	7.60	14.1	1431	Turbid, bailed down

TABLE 2
SUMMARY OF FIELD PARAMETERS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Dissolved Oxygen (mg/L) Meter/Hach*	*pH*	*Temperature °C*	*Electrical Conductivity (mmhos)*	*Remarks*
	10/30/02	8.1	7.68	14.6	1437	Very turbid, bailed down
	05/21/03	5.9	7.40	15.3	1519	Turbid, bailed down
	11/11/03	6.8	7.21	12.4	1295	Turbid, bailed down
	06/08/04	3.2	7.38	12.8	1495	Turbid, bailed down
	06/09/05	---	7.37	14.2	1453	---
	07/10/06	6.7	7.42	13.3	1112	Turbid, bailed down
	07/25/07	5.5	7.33	14.1	1124	Turbid, bailed down
5-59 cont.	09/23/08	6.0	7.84	12.9	1143	Turbid, bailed down
	08/04/09	5.8	7.13	14.3	1501	Clear, bailed down
	05/18/10	6.5	6.62	12.9	1555	Turbid, bailed down
	09/25/11	8.0	7.06	13.6	1546	Cloudy, bailed down
	06/12/12	7.0	6.87	13.6	1573	Turbid, red, bailed down
	07/10/12	6.2	7.22	14.8	1543	Turbid, red, bailed down
	07/23/13	5.8	6.83	14.2	1590	Turbid, red, bailed down
	04/22/14	6.67	6.93	19.21	1640.00	Tan, silty
	11/18/01	6.5	7.67	14.5	1296	Very turbid, bailed down
	04/20/02	6.6	7.74	14.1	1291	Very turbid, bailed down
	10/30/02	7.4	7.67	14.9	1272	Turbid, bailed down
	05/21/03	7.7	7.63	15.6	1297	Very turbid, bailed down
	11/10/03	7.5	7.72	12.4	1171	Very turbid, bailed down
5-60	06/07/04	3.1	7.60	13.9	1415	Cloudy, bailed down
	06/09/05	---	7.65	12.5	1428	---
	07/10/06	7.4	7.40	13.3	1095	Turbid, bailed down
	07/25/07	6.9	7.50	13.6	1059	Turbid, bailed down
	09/23/08	6.8	7.87	12.9	1034	Turbid, bailed down
	08/04/09	7.2	7.23	14.1	1362	Turbid, bailed down
	05/11/00	7.8	7.90	13.5	992	Red turbid
	11/16/00	8.0	7.85	13.6	1008	Red turbid
	11/18/01	8.3	7.90	15.6	1016	Turbid
SVE-1	04/18/02	8.3	7.96	15.7	1017	Turbid, bailing down
	10/30/02	8.5	7.58	16.1	1000	Turbid
	05/21/03	8.5	7.80	17.7	1009	Clear
	11/10/03	8.8	7.90	14.0	904	Clear
	06/07/04	2.1	7.98	21.7	1062	---
	05/18/10	--	--	--	--	Sheen, odor, bailed down, turbid
	09/25/11	--	--	--	--	Sheen, odor, bailed down, turbid, blk
SVE-3	06/12/12	--	--	--	--	Sheen, odor, bailed down, turbid, blk
	07/23/13	--	--	--	--	Sheen, odor, bailed down, turbid, blk
	04/22/14	1.39	6.83	14.27	1701.00	Sheen, odor, gray
HC = Hydrocarbon						

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
NMWQCC Standard			*10*	*750*	*750*	*620*
5-01B	12/1/1989	ER	< 5.0	6.3	< 5.0	NA
	7/1/1991		< 0.50	< 0.50	< 0.50	6.0
	1/27/1992	ER	< 0.50	< 0.50	< 0.50	0.79
	2/20/1992	ER	< 0.50	< 0.50	< 0.50	5.2
	10/14/1992	ATI-P	< 0.5	< 0.5	< 0.5	4.7
	11/21/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	5/21/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/15/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/22/1996	HEAL	0.8	< 0.5	< 0.5	< 0.5
5-01C	11/23/1997	HEAL	1.4	< 0.5	< 0.5	< 0.5
	2/12/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	10/2/1998	HEAL	5.2	< 0.5	< 0.5	< 0.5
	10/14/1999	OAL	< 1	< 2	< 2	< 4
	11/17/2000	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	11/19/2001	ANALYSYS	< 1	< 1	< 1	< 2
	4/20/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/30/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	5/21/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/10/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/7/2004	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/8/2005	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	7/11/2006	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	7/25/2007	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	9/23/2008	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	8/4/2009	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
5-02B	5/1/1989	ER	**1800**	**2000**	< 200	NA
	8/1/1989	ER	**2500**	**4700**	< 500	NA
	11/1/1989	ER	**1800**	**3100**	250	NA
	3/1/1990	ER	**2300**	**3800**	< 250	**2400**
	6/1/1990	ER	**1900**	**3100**	< 250	**2300**
	8/1/1990	AS	**1400**	**2300**	180	**1700**
	11/1/1990	EH	**1500**	**2400**	230	**1900**
	1/1/1991	EH	**600**	730	110	**940**
	2/1/1991	EH	**460**	580	75	600
	3/1/1991	EH	**2400**	**3300**	290	**2600**
	4/1/1991	EH	**830**	**1200**	110	**920**
	5/1/1991	EH	**830**	**1200**	150	**1300**

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SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-02B cont.	6/1/1991	EH	5.1	7.0	0.57	4.7
	7/1/1991	EH	**400**	600	49	420
	9/1/1991	EH	**510**	**750**	57	530
	10/1/1991	ER	**290**	450	37	310
	11/1/1991	ER	**740**	**1200**	97	**950**
	12/1/1991	ER	**330**	580	31	320
	1/9/1992	ER	**360**	710	52	480
	1/28/1992	ER	**420**	**810**	64	560
	2/20/1992	ER	**890**	**1600**	140	**1200**
	3/19/1992	ATI-P	**910**	**2100**	170	**1700**
	4/29/1992	ATI-P	**1700**	**3800**	240	**2200**
	10/14/1992	ATI-P	**800**	700	74	**640**
	4/22/1993	ATI-A	**120**	< 0.5	11	38
	12/9/1994	HEAL	**2100**	**2600**	220	**1800**
	6/26/1995	HEAL	**1200**	**2700**	130	**1200**
	10/6/1995	HEAL	**490**	**1600**	66	**640**
	11/21/1995	HEAL	**740**	**2900**	160	**1100**
	2/22/1996	HEAL	**260**	**1000**	62	600
	5/21/1996	HEAL	**380**	120	**1300**	**1100**
	2/28/1997	HEAL	**260**	500	90	**680**
5-02C	2/11/1998	HEAL	**110**	7.0	33	8.3
	10/1/1998	HEAL	**1300**	**3500**	230	**1800**
	10/13/1999	OAL	**1300**	**3900**	320	**3100**
	11/17/2000	NCA	**671**	**1000**	372	**3820**
	11/17/2001	ANALYSYS	**587**	15.2	365	**3622**
	4/20/2002	HEAL	**450**	< 10	300	**3100**
	10/31/2002	HEAL	**330**	< 5.0	230	**2000**
	5/22/2003	HEAL	**290**	< 10	200	**800**
	11/11/2003	HEAL	**450**	< 2.5	240	**770**
	6/8/2004	HEAL	**270**	28	160	**1000**
	6/9/2005	HEAL	**300**	< 10	190	**1700**
	7/10/2012	HEAL	**40**	12	130	**730**
5-03B	11/1/1989	ER	< 5.0	< 5.0	< 5.0	NA
	7/1/1991	EH	< 0.50	< 0.50	< 0.50	< 1.0
	1/27/1992	ER	< 0.50	< 0.50	< 0.50	< 0.50
	4/28/1992	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	12/9/1994	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/15/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-03B cont.	11/18/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/18/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	2/10/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	6/11/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	9/29/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	4/27/1999	OAL	< 1	< 1	< 1	< 1
	10/11/1999	OAL	< 1	< 2	< 2	< 4
	5/11/2000	OAL	< 1	< 2	< 2	< 4
	4/18/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
5-04B	1/1/1990	ER	**21**	< 5.0	< 5.0	NA
	7/1/1991	EH	**71**	< 0.5	4.5	43
	1/28/1992	ER	**48**	2.8	6.5	44
	2/19/1992	ER	**42**	< 1.0	3.4	39
	1/10/1995	HEAL	9.8	2.3	< 0.5	2.0
	3/7/1995	HEAL	**93**	1.5	6.1	1.9
	6/8/1995	HEAL	9.4	1.4	0.6	< 0.5
	10/5/1995	HEAL	**44**	1.7	3.1	< 0.5
	2/20/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/2000	NCA	1.65	< 0.500	< 0.500	< 1.00
	5/22/2001	ANALYSYS	1.72	< 1	< 1	< 2
	11/18/2001	ANALYSYS	**<1**	< 1	< 1	< 2
	10/31/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
5-05B	11/1/1989	ER	< 5.0	< 5.0	< 5.0	NA
	7/1/1991	EH	0.51	< 0.50	< 0.50	< 1.0
	1/27/1992	ER	< 0.50	< 0.50	< 0.50	< 0.50
	2/19/1992	ER	< 0.50	< 0.50	< 0.50	< 0.50
	10/12/1992	ATI-P	**770**	110	25	160
	12/12/1994	HEAL	**150**	33	16	47
	11/17/1995	HEAL	5.0	< 0.5	< 0.5	< 0.5
	2/20/1996	HEAL	0.9	< 0.5	< 0.5	< 0.5
	5/21/1996	HEAL	1.0	< 0.5	< 0.5	< 0.5
	11/20/1996	HEAL	3.3	1.5	< 0.5	< 0.5
	10/14/1999	OAL	< 1	< 2	< 2	< 4
	11/17/2000	NCA	0.981	< 0.500	< 0.500	< 1.00
	11/18/2001	ANALYSYS	7.4	< 1	< 1	< 2
	4/18/2002	HEAL	5.2	< 0.50	< 0.50	< 0.50
	5/21/2003	HEAL	2.1	0.92	1.0	2.6

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
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MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-06B	1/1/1990	ER	< 5.0	< 5.0	8.3	NA
	9/1/1991	EH	3.5	< 0.50	< 0.50	13
	1/27/1992	ER	1.3	< 0.50	< 0.50	2.6
	4/29/1992	ATI-P	1.4	< 0.50	< 0.50	3.6
	10/14/1992	ATI-P	1.0	< 0.50	< 0.50	2.8
	4/17/1996	HEAL	8.9	< 0.5	< 0.5	0.5
	5/21/1996	HEAL	1.2	< 0.5	< 0.5	< 0.5
	8/15/1996	HEAL	2.4	< 0.5	< 0.5	< 0.5
	11/22/1996	HEAL	0.9	< 5.0	< 5.0	< 0.5
5-06C	12/8/1998	HEAL	1.0	< 0.5	< 0.5	5.7
	2/12/1998	HEAL	2.2	1.4	< 0.5	1.3
	10/2/1998	HEAL	1.5	1.3	< 0.5	< 0.5
	10/14/1999	OAL	< 1	< 2	< 2	< 4
	11/17/2000	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	11/19/2001	ANALYSYS	1.19	< 1	< 1	< 2
	4/20/2002	HEAL	1.1	< 0.50	< 0.50	< 0.50
	10/30/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	5/21/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/10/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/7/2004	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/9/2005	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	7/11/2006	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	7/25/2007	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	9/23/2008	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	8/4/2009	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2010	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	6/12/2012	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
5-12B	4/1/1991	EH	< 0.50	< 0.50	< 0.50	< 1.0
	10/1/1991	ER	< 0.50	< 0.50	< 0.50	< 0.50
	4/30/1992	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/19/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	2/11/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	6/9/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	9/30/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	4/27/1999	OAL	< 1	< 1	< 1	< 1
	10/12/1999	OAL	< 1	< 2	< 2	< 4
	5/11/2000	OAL	< 1	< 2	< 2	< 4

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
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Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-12B cont.	5/23/2001	ANALYSYS	< 1	< 1	< 1	< 2
	4/19/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	5/20/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/8/2004	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
5-13B	8/1/1990	AS	**54**	13	< 1	330
	11/1/1990	EH	**61**	< 10	< 10	480
	1/1/1991	EH	**180**	17	< 5.0	310
	2/1/1991	EH	**270**	25	< 10	460
	3/1/1991	EH	**240**	< 50	< 50	480
	4/1/1991	EH	**430**	< 0.50	< 0.50	**620**
	5/1/1991	EH	**290**	< 10	< 10	450
	6/1/1991	EH	**330**	0.53	< 0.50	600
	7/1/1991	EH	**97**	0.72	< 0.50	**760**
	10/1/1991	ER	**71**	< 5.0	< 5.0	510
	1/8/1992	ER	**150**	< 25	< 25	570
	5/1/1992	ATI-P	**76**	8.0	< 0.5	67
	10/13/1992	ATI-P	**88**	8.7	< 0.5	1.5
	10/5/1995	HEAL	0.6	2.5	0.5	1.9
	11/20/1995	HEAL	< 0.5	< 0.5	0.6	2.0
	2/21/1996	HEAL	1.0	0.7	< 0.5	< 0.5
	5/21/1996	HEAL	0.7	< 0.5	< 0.5	0.8
	8/13/1996	HEAL	1	5.4	< 0.5	< 0.5
	11/21/1996	HEAL	1.2	6.1	< 0.5	< 0.5
	2/26/1997	HEAL	1.5	5.9	< 0.5	2.5
	5/21/1997	HEAL	1.1	4.3	< 0.5	0.7
	8/19/1997	HEAL	1.2	2.9	< 0.5	0.6
	11/18/1997	HEAL	1.3	2	< 0.5	< 0.5
	2/11/1998	HEAL	0.9	1.5	< 0.5	< 0.5
	6/9/1998	HEAL	0.8	0.7	< 0.5	< 0.5
	9/30/1998	HEAL	< 0.5	1.5	< 0.5	< 0.5
	4/27/1999	OAL	< 1	< 1	< 1	< 1
	10/12/1999	OAL	< 1	< 2	< 2	< 4
	5/11/2000	OAL	< 1	< 2	< 2	< 4
	11/16/2000	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	5/23/2001	ANALYSYS	< 1	< 1	< 1	< 2
	11/17/2001	ANALYSYS	< 1	< 1	< 1	< 2
	4/19/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	5/20/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-14B	4/1/1991	EH	< 0.50	< 0.50	< 0.50	< 1.0
	10/1/1991	ER	< 0.50	< 0.50	< 0.50	< 0.50
	4/30/1992	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/19/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	2/10/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	6/9/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	9/30/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	4/27/1999	OAL	< 1	< 1	< 1	< 1
	10/12/1999	OAL	< 1	< 2	< 2	< 4
	5/11/2000	OAL	< 1	< 2	< 2	< 4
	4/19/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
5-15B	4/1/1991	EH	< 0.50	< 0.50	< 0.50	< 1.0
	10/1/1991	ER	< 0.50	< 0.50	< 0.50	< 0.50
	4/30/1992	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/20/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/19/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	2/11/1998	HEAL	1.5	< 0.5	1.0	1.2
	6/10/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	9/30/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	4/28/1999	OAL	< 1	< 1	< 1	< 1
	10/12/1999	OAL	< 1	< 2	< 2	< 4
	5/12/2000	OAL	< 1	< 2	< 2	< 4
	5/24/2001	ANALYSYS	< 1	< 1	< 1	< 2
5-16B	7/1/1991	EH	**260**	140	400	**2400**
	1/8/1992	ER	**200**	500	410	**3000**
	3/18/1992	ATI-P	**53**	89	400	**2400**
	4/29/1992	ATI-P	**23**	3.3	210	**1000**
	11/20/1995	HEAL	**970**	**7100**	430	**3100**
	11/21/1996	HEAL	**460**	**2200**	130	**2500**
	2/27/1997	HEAL	**250**	**1100**	190	**2000**
	5/22/1997	HEAL	**130**	720	110	**1500**
	8/20/1997	HEAL	**130**	**820**	120	**1300**
	11/19/1997	HEAL	**85**	730	100	**1100**
	2/11/1998	HEAL	**41**	360	90	**660**
	6/10/1998	HEAL	**23**	210	56	590

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SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
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MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-16B cont.	4/28/1999	OAL	**200**	170	45	**620**
	12/5/1999	OAL	**720**	390	130	570
	11/17/2000	NCA	**1360**	742	213	**1010**
	11/18/2001	ANALYSYS	**2330**	**948**	356	**1987**
	4/20/2002	HEAL	**1800**	660	230	**1400**
	10/31/2002	HEAL	**1300**	240	170	**1100**
	5/22/2003	HEAL	**1300**	130	180	**950**
	11/11/2003	HEAL	**2300**	240	340	**1700**
	6/8/2004	HEAL	**890**	< 5	110	260
	6/8/2005	HEAL	**1400**	< 5	160	520
	7/10/2006	HEAL	**1600**	< 20	150	380
	7/25/2007	HEAL	**1700**	< 20	170	590
	9/23/2008	HEAL	**1900**	< 5	180	600
	8/4/2009	HEAL	**1300**	< 5	150	590
	5/18/2010	HEAL	**3800**	11	340	**2200**
	6/12/2012	HEAL	**3300**	< 50	230	**1600**
5-17B	4/1/1991	EH	< 0.50	< 0.50	< 0.50	< 1.0
	2/19/1992	ER	< 0.50	< 0.50	< 0.50	< 0.50
	4/28/1992	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	11/20/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/20/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/20/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	2/11/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	10/1/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	10/13/1999	OAL	< 1	< 2	< 2	< 4
	11/17/2000	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	11/17/2001	ANALYSYS	< 1	< 1	< 1	< 2
	4/19/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	5/22/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/8/2004	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/8/2005	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	7/25/2007	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
5-18B	3/1/1991	EH	**260**	1.8	< 0.50	23
	7/1/1991	EH	**1500**	3.0	1.5	70
	1/8/1992	ER	**1100**	< 25	< 25	88
	5/1/1992	ATI-P	**790**	2.7	< 0.5	36
	11/17/1995	HEAL	**240**	24	22	53
	11/21/1996	HEAL	**210**	5	48	< 0.5

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THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-18B cont.	8/19/1997	HEAL	1.1	4.9	110	1.5
	2/11/1998	HEAL	0.9	6.4	120	1.1
	9/30/1998	HEAL	5.6	1.3	17	1.0
	10/12/1999	OAL	**17**	< 2	5	42
	11/16/2000	NCA	1.93	< 0.500	< 0.500	1.60
	11/17/2001	ANALYSYS	**<1**	< 1	< 1	< 2
	4/20/2002	HEAL	0.55	< 0.50	0.72	0.89
	10/31/2002	HEAL	0.68	< 0.50	< 0.50	0.95
	5/22/2003	HEAL	< 0.50	5.9	< 0.50	2.5
	11/11/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/8/2004	HEAL	< 0.50	< 0.50	0.91	1.2
	6/8/2005	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	7/10/2006	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	7/25/2007	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	9/23/2008	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	8/4/2009	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2010	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	9/25/2011	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	6/12/2012	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	7/23/2013	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	4/21/2014	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
5-19B	8/1/1990	AS	**190**	3.5	5.8	44
	11/1/1990	EH	**180**	11	< 10	< 20
	1/1/1991	EH	**150**	< 0.30	0.60	15
	2/1/1991	EH	**200**	5.8	< 2.5	14
	3/1/1991	EH	**200**	30	180	**880**
	4/1/1991	EH	**290**	< 25	210	**880**
	5/1/1991	EH	**240**	< 0.50	0.71	21
	6/1/1991	EH	**290**	7.5	2.2	22
	7/1/1991	EH	**240**	< 0.50	0.58	14
	10/1/1991	ER	**140**	< 2.5	< 2.5	12
	1/8/1992	ER	**240**	< 5.0	< 5.0	9.0
	2/20/1992	ER	**150**	< 2.5	< 2.5	4.2
	3/19/1992	ATI-P	**140**	< 0.5	< 0.5	5.9
	4/29/1992	ATI-P	**190**	< 0.5	< 0.5	4.3
	10/13/1992	ATI-P	**130**	< 0.5	< 0.5	4.4
	10/5/1995	HEAL	1.0	0.7	< 0.5	< 0.5
	11/20/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	2/21/1996	HEAL	0.9	0.8	< 0.5	< 0.5

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SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-19B cont.	5/21/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/14/1996	HEAL	0.7	0.6	< 0.5	< 0.5
	11/21/1996	HEAL	0.9	0.6	< 0.5	< 0.5
	2/27/1997	HEAL	1.3	1	< 0.5	0.7
	5/21/1997	HEAL	1.2	1	< 0.5	< 0.5
	8/20/1997	HEAL	1.7	1.3	0.6	< 0.5
	11/17/1997	HEAL	2.5	2.0	0.9	0.7
	2/11/1998	HEAL	2.3	1.8	0.8	0.7
	6/10/1998	HEAL	1.5	1.4	1.5	0.6
	10/1/1998	HEAL	7.4	3.9	1.6	2.9
	4/28/1999	OAL	**43**	< 1	1	3
	10/12/1999	OAL	**13**	< 2	< 2	< 4
	5/12/2000	OAL	**16**	< 2	3	4
	11/17/2000	NCA	1.03	< 0.500	1.88	< 1.00
	5/24/2001	ANALYSYS	< 1	< 1	1.17	< 2
	11/17/2001	ANALYSYS	< 1	< 1	< 1	**<2**
	4/19/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	5/22/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
5-20B	4/1/1991	EH	**180**	< 1.0	< 1.0	19
	7/1/1991	EH	**73**	1.1	1.0	24
	1/8/1992	ER	**31**	< 1.2	< 1.2	6.7
	10/12/1992	ATI-P	**52**	2.7	4.4	11
	11/17/1995	HEAL	**12**	2.3	< 0.5	2.6
	11/20/1996	HEAL	7.2	0.9	1.4	< 0.5
	8/19/1997	HEAL	**10.0**	1.0	1.9	1.4
	2/11/1998	HEAL	< 0.5	1.3	2.3	0.5
	10/1/1998	HEAL	1.5	1.4	1.5	1.3
	10/12/1999	OAL	< 1	< 2	< 2	< 4
	11/16/2000	NCA	0.961	< 0.500	0.763	< 1.00
	11/17/2001	ANALYSYS	< 1	< 1	< 1	< 2
	4/19/2002	HEAL	0.86	< 0.50	< 0.50	< 0.50
	10/31/2002	HEAL	0.76	0.70	< 0.50	< 0.50
	5/22/2003	HEAL	1.0	0.91	< 0.50	< 0.50
	11/11/2003	HEAL	0.5	< 0.50	< 0.50	< 0.50
	6/8/2004	HEAL	1.1	< 0.50	< 0.50	< 0.50
	6/8/2005	HEAL	1.0	0.53	< 0.50	< 0.50
	7/12/2006	HEAL	1.3	< 1	< 1	< 3
	7/25/2007	HEAL	< 1	< 1	< 1	< 2
	9/23/2008	HEAL	< 1	< 1	< 1	< 2

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-20B cont.	8/4/2009	HEAL	< 1	< 1	< 1	< 2
	5/18/2010	HEAL	< 1	< 1	< 1	< 2
	9/25/2011	HEAL	< 1	< 1	< 1	< 2
5-22B	7/1/1991	EH	< 0.50	< 0.50	< 0.50	< 1.0
	1/28/1992	ER	< 0.50	< 0.50	< 0.50	< 0.50
	4/28/1992	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	10/8/1992	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	11/15/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/12/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/18/1996	HEAL	< 0.5	< 0.5	< 0.5	1.9
	5/22/1997	HEAL	3.6	< 0.5	< 0.5	7.1
5-23B	7/1/1991	EH	2.0	< 0.50	< 0.50	1.3
	2/18/1992	ER	< 0.50	< 0.50	< 0.50	< 0.50
	4/30/1992	ATI-P	< 0.5	< 0.5	< 0.5	< 0.5
	11/16/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/19/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	2/10/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	6/8/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	9/29/1998	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	4/27/1999	OAL	< 1	< 1	< 1	< 1
	10/12/1999	OAL	< 1	< 2	< 2	< 4
	5/11/2000	OAL	< 1	< 2	< 2	< 4
	4/19/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
5-24B	7/1/1991	EH	**130**	< 0.50	< 0.50	8.7
	1/7/1992	ER	**120**	< 2.5	< 2.5	< 2.5
	3/17/1992	ATI-P	**120**	< 2.5	0.8	1.4
	10/13/1992	ATI-P	1.2	< 0.5	0.8	0.8
	11/17/1995	HEAL	1.2	0.8	0.5	1.0
	11/19/1996	HEAL	0.9	< 0.5	0.6	0.8
	8/19/1997	HEAL	1.2	0.5	0.9	< 5.0
	2/10/1998	HEAL	0.5	< 0.5	0.7	< 0.5
	9/29/1998	HEAL	< 0.5	0.6	< 0.5	< 0.5
	10/11/1999	OAL	< 1	< 2	< 2	< 4
	11/16/2000	NCA	< 0.500	< 0.500	< 0.500	< 1.00
	11/17/2001	ANALYSYS	< 1	< 1	< 1	< 2
	4/19/2002	HEAL	< 0.50	< 0.50	< 0.50	0.59

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-34B	1/7/1992	ER	**120**	< 2.5	< 2.5	< 2.5
	2/18/1992	ER	**140**	< 2.5	< 2.5	< 2.5
	3/17/1992	ATI-P	**120**	< 0.5	0.8	1.4
	4/30/1992	ATI-P	**100**	2.1	1.4	2.2
	10/13/1992	ATI-P	1.2	< 0.5	0.8	0.8
	4/21/1993	ATI-A	< 0.5	< 0.5	0.7	1.4
	12/13/1994	HEAL	**4700**	**13,000**	460	**5,900**
5-35B	4/22/1993	ATI-A	**360**	**1400**	130	**1700**
	5/18/2010	HEAL	**5700**	< 100	310	**1900**
	9/25/2011	HEAL	**3700**	< 100	170	**900**
5-36E	12/14/1994	HEAL	**620**	**2700**	230	**3300**
5-37I	2/22/1996	HEAL	**640**	520	24	**990**
	4/16/1996	HEAL	**580**	300	22	600
	5/21/1996	HEAL	**590**	19	340	600
	8/15/1996	HEAL	**310**	54	14	430
5-41B	10/9/1992	ATI-P	**47**	3.9	0.7	1.0
	11/16/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	5/21/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/13/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	5/20/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
5-47B	10/7/1992	ATI-P	1.0	< 0.5	< 0.5	< 0.5
	11/15/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	5/21/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/13/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	5/20/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/18/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
5-48B	4/16/1996	HEAL	**600**	**1700**	420	**3100**
	5/22/1997	HEAL	**1100**	**8000**	450	**4400**
	12/9/1997	HEAL	**1800**	**7700**	430	**4700**
	2/11/1998	HEAL	**2100**	**8000**	460	**4600**
	10/1/1998	HEAL	**2100**	**6100**	420	**4300**

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-48B cont.	10/12/1999	OAL	**1000**	**1900**	320	**2900**
	11/17/2000	NCA	**860**	157	259	**2360**
	11/18/2001	ANALYSYS	**841**	24.3	241	**1893**
	4/20/2002	HEAL	**1100**	23	190	**1700**
	10/30/2002	HEAL	**5600**	51	350	**3100**
	11/11/2003	HEAL	**4100**	< 25	520	**4700**
	6/9/2005	HEAL	**2500**	< 25	200	**1500**
5-57B	11/15/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	5/21/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/12/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	2/25/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/18/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
5-58B	11/16/1995	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	5/21/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/12/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	11/18/1996	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	2/25/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
	8/18/1997	HEAL	< 0.5	< 0.5	< 0.5	< 0.5
5-59	11/19/2001	ANALYSYS	< 1	< 1	< 1	< 2
	4/20/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/30/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	5/21/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/8/2004	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/9/2005	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	7/11/2006	HEAL	< 1.0	< 1.0	< 1.0	< 3.0
	7/25/2007	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	9/23/2008	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	8/4/2009	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	5/18/2010	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	9/25/2011	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	7/23/2013	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
5-60	11/18/2001	ANALYSYS	< 1	< 1	< 1	< 2
	4/20/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	5/21/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50

TABLE 3
SUMMARY OF ANALYTICAL RESULTS FOR BTEX COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab*	*Benzene*	*Toluene*	*Ethylbenzene*	*Total Xylenes*
5-60 cont.	11/11/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/8/2004	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/9/2005	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	7/25/2007	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
	9/23/2008	HEAL	< 1.0	< 1.0	< 1.0	< 2.0
SVE-1	5/11/2000	OAL	< 1	< 2	< 2	< 4
	11/18/2001	ANALYSYS	**< 1**	< 1	< 1	< 2
	4/18/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	10/31/2002	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	5/22/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	11/11/2003	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
	6/8/2004	HEAL	< 0.50	< 0.50	< 0.50	< 0.50
SVE-3	5/18/2010	HEAL	**6300**	< 50	430	**3900**
	9/25/2011	HEAL	**6300**	< 100	380	**3300**
	6/12/2012	HEAL	**5400**	< 100	240	**3500**
	7/23/2013	HEAL	**6200**	< 100	280	**2700**
	4/22/2014	HEAL	**6800**	**< 50**	280	**1900**

† Lab Designations
ABB = ASEA Brown Boveri
AEN = American Environmental Network, Inc. (Albuquerque)
AS = Assaigai Laboratories (Albuquerque)
ATI-A = Analytical Technologies, Inc. (Albuquerque)
ATI-P = Analytical Technologies, Inc. (Phoenix)
ER = Enseco (Rocky Mountain Analytical)
EH = Enseco (Houston)
HEAL = Hall Environmental Analysis Laboratory (Albuquerque)
OAL = Oregon Analytical Laboratory (Portland, OR)
NCA = North Creek Analytical (Portland, OR)
ANALYSYS = Analysys, Inc. (Austin, TX)
NA = Not Analyzed

TABLE 4
SUMMARY OF ANALYTICAL RESULTS FOR PCB COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab †*	*PCB Concentration by Aroclor (µg/L)*						
			1016	*1221*	*1232*	*1242*	*1248*	*1254*	*1260*
NMWQCC Standard			*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*
5-01B	8/1/1989	ER	**2.1**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1989	ER	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0
	3/1/1990	ER	< 1.0	**94**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1990	ER	< 1.0	< 1.0	< 1.0	**11**	< 1.0	< 1.0	< 1.0
	8/1/1990	AS	< 1.0	< 1.0	< 1.0	**2.0**	< 1.0	< 1.0	< 1.0
	11/1/1990	EH	< 1.0	< 1.0	< 1.0	**5.5**	< 1.0	< 1.0	< 1.0
	1/1/1991	EH	< 1.0	< 1.0	< 1.0	**28**	< 1.0	< 1.0	< 1.0
	2/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/1/1991	ER	< 1.0	**210**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	ER	< 1.0	**76**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1991	ER	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/9/1992	ER	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/27/1992	ER	< 1.0	**67**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/20/1992	ER	< 1.0	**82**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/18/1992	ATI-P	< 1.0	**54**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1992	ATI-P	< 1.0	**71**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1992	ATI-P	< 1.0	**82**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/13/1994	ATI-P	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/27/1995	NET	< 1.0	< 1.0	< 1.0	**4.18**	< 1.0	< 1.0	< 1.0
	10/6/1995	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/21/1995	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/22/1996	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/17/1996	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/17/1996	PA	< 1.0	**0.93**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/24/1996	NET	< 1.0	**34**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/15/1996	NET	< 1.0	**14.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/22/1996	EPIC	< 1.0	**15.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/28/1997	EPIC	< 1.0	**15.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/1997	EPIC	< 1.0	**11.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/21/1997	EPIC	< 1.0	**18.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
5-01C	11/23/1997	EPIC	< 1.0	**79.7**	< 1.0	**49.0**	< 1.0	< 1.0	< 1.0
	1/8/1998	HEAL	< 1.0	**38**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

TABLE 4
SUMMARY OF ANALYTICAL RESULTS FOR PCB COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	Date	Lab †	PCB Concentration by Aroclor (µg/L)						
			1016	1221	1232	1242	1248	1254	1260
NMWQCC Standard			1.0	1.0	1.0	1.0	1.0	1.0	1.0
5-01C cont .	2/12/1998	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/11/1998	HEAL	< 1.0	**38**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/2/1998	HEAL	< 1.0	**10**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1999	OAL	**3.8**	**9.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1999	OAL	**4.9**	**3.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/12/2000	OAL	**2.7**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/2000	NCA	< 0.5	< 1.0	< 0.5	**1.9**	< 0.5	< 0.5	< 0.5
	5/22/2001	Analysys	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/19/2001	Analysys	--	< 0.5	< 0.5	**13.5**	< 0.5	< 0.5	< 0.5
	4/20/2002	NCA	< 0.5	**1.37**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/30/2002	HEAL	**1.5**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	HEAL	--	**2.6**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/10/2003	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/7/2004	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2005	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
5-06B	10/1/1989	ER	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1989	ER	< 1.0	**180**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/1/1990	ER	< 1.0	**100**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1990	ER	< 1.0	**170**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1990	ER	< 1.0	< 1.0	< 1.0	**39**	< 1.0	< 1.0	< 1.0
	8/1/1990	AS	< 1.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0	< 1.0
	11/1/1990	EH	< 1.0	< 1.0	< 1.0	**65**	< 1.0	< 1.0	< 1.0
	1/1/1991	EH	< 1.0	< 1.0	< 1.0	**39**	< 1.0	< 1.0	< 1.0
	2/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/1/1991	EH	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/1/1991	ER	< 1.0	**250**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	ER	< 1.0	**140**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/1/1991	ATI	< 1.0	**210**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/1/1991	ER	< 1.0	**270**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

TABLE 4
SUMMARY OF ANALYTICAL RESULTS FOR PCB COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	Date	Lab †	PCB Concentration by Aroclor (µg/L)						
			1016	1221	1232	1242	1248	1254	1260
NMWQCC Standard			1.0	1.0	1.0	1.0	1.0	1.0	1.0
5-06B cont.	1/9/1992	ER	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	1/27/1992	ER	< 1.0	**190**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/20/1992	ER	< 1.0	**200**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	3/18/1992	ATI-P	< 1.0	**140**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/29/1992	ATI-P	< 1.0	**150**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	10/14/1992	ATI-P	< 1.0	**280**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	12/14/1994	NET	**88**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/27/1995	NET	< 1.0	< 1.0	< 1.0	**26.3**	< 1.0	< 1.0	< 1.0
	10/6/1995	NET	< 1.0	< 1.0	< 1.0	**30.1**	< 1.0	< 1.0	< 1.0
	11/21/1995	NET	< 1.0	< 1.0	< 1.0	**44.4**	< 1.0	< 1.0	< 1.0
	2/22/1996	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/17/1996	NET	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/23/1996	NET	< 1.0	**78**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/15/1996	NET	< 1.0	**166.7**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/15/1996	AEN	< 1.0	**260**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/22/1996	EPIC	< 1.0	**42.8**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	2/28/1997	EPIC	< 1.0	**48.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/1997	EPIC	< 1.0	**7.29**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/20/1997	EPIC	< 1.0	**16.5**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
5-06C	11/23/1997	EPIC	< 0.5	**160**	< 0.5	**114**	< 0.5	< 0.5	< 0.5
	12/9/1997	HEAL	< 0.5	< 0.5	**65**	< 0.5	< 0.5	< 0.5	< 0.5
	1/8/1998	HEAL	< 0.5	**220**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	6/11/1998	HEAL	< 0.5	**180**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/29/1999	OAL	**7.1**	**320**	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	5/13/2000	OAL	**7.2**	< 0.5	< 0.5	**266**	< 0.5	< 0.5	< 0.5
	11/17/2000	NCA	< 0.5	< 1.0	< 0.5	**5.23**	< 0.5	< 0.5	< 0.5
	5/22/2001	Analysys	--	< 0.5	< 0.5	**3.1**	< 0.5	< 0.5	< 0.5
	5/22/2001	Analysys	--	< 0.5	< 0.5	**5.81**	< 0.5	< 0.5	< 0.5
	11/18/2001	Analysys	--	< 0.5	< 0.5	**43.7**	< 0.5	< 0.5	< 0.5
	11/18/2001	Analysys	--	< 0.5	< 0.5	**40.5**	< 0.5	< 0.5	< 0.5
	4/20/2002	NCA	< 10.0	**150**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	4/20/2002	NCA	< 10.0	**168**	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
	10/30/2002	HEAL	--	**41**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/10/2003	HEAL	**1.7**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	HEAL	**2.2**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	**1.1**	< 1.0	< 1.0
	9/23/2008	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	HEAL	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

TABLE 4
SUMMARY OF ANALYTICAL RESULTS FOR PCB COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab †*	*PCB Concentration by Aroclor (µg/L)*						
			1016	*1221*	*1232*	*1242*	*1248*	*1254*	*1260*
NMWQCC Standard			*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*
5-06C cont.	5/18/2010	HEAL	**4.9**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/18/2010	HEAL	**2.0**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/25/2011	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/25/2011	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/12/2012	HEAL	< 1.0	< 1.0	< 1.0	**3.1**	< 1.0	< 1.0	< 1.0
	6/12/2012	HEAL	< 1.0	< 1.0	< 1.0	**4.0**	< 1.0	< 1.0	< 1.0
	7/10/2012	HEAL	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0
	7/23/2013	HEAL	< 1.0	< 1.0	< 1.0	**1.2**	< 1.0	< 1.0	< 1.0
	4/22/2014	HEAL	< 0.25	< 0.25	< 0.25	**1.4**	< 0.25	< 0.25	< 0.25
5-17B	5/12/2000	OAL	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/2000	NCA	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	5/23/2001	Analysys	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	11/17/2001	Analysys	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/19/2002	NCA	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/31/2002	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/2003	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2005	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/10/2006	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
5-59	11/19/2001	Analysys	--	< 0.5	< 0.5	**30.7**	< 0.5	< 0.5	< 0.5
	10/30/2002	HEAL	--	**19**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/21/2003	HEAL	--	**14**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	HEAL	**11**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	HEAL	**10**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	HEAL	**11**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	HEAL	**4.6**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	HEAL	**3.3**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	HEAL	**3.4**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	HEAL	**3.3**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	HEAL	**1.8**	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/18/2010	HEAL	**1.3**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/25/2011	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

TABLE 4
SUMMARY OF ANALYTICAL RESULTS FOR PCB COMPOUNDS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Date*	*Lab †*	*PCB Concentration by Aroclor (µg/L)*						
			1016	*1221*	*1232*	*1242*	*1248*	*1254*	*1260*
NMWQCC Standard			*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*	*1.0*
5-59 cont .	6/12/2012	HEAL	< 1.0	< 1.0	< 1.0	**2.6**	< 1.0	< 1.0	< 1.0
	7/10/2012	HEAL	< 1.0	< 1.0	< 1.0	**1.0**	< 1.0	< 1.0	< 1.0
	7/23/2013	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	4/22/2014	HEAL	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
5-60	11/18/2001	Analysys	--	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	4/20/2002	NCA	< 0.5	< 1.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
	10/31/2002	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	5/22/2003	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	11/11/2003	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/8/2004	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	6/9/2005	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/11/2006	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	7/25/2007	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	9/23/2008	HEAL	< 1.0	< 5.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
	8/4/2009	HEAL	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0

Notes:

TABLE 5
SUMMARY OF SOIL ANALYTICAL RESULTS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well ID	*Sample ID*	*Sample Date*	*Benzene (mg/kg)*	*Toluene (mg/kg)*	*Ethylbenzene (mg/kg)*	*Xylenes (mg/kg)*	*Total BTEX (mg/kg)*	*TPH-GRO (mg/kg)*	*TPH-DRO (mg/kg)*	*TPH-MRO (mg/kg)*	*TPH Total (mg/kg)*
B-1	S-086242-111914-CB-B-1-44-45.5	11/19/2014	< 0.51	< 0.51	< 0.51	4.2	4.2	360	410	< 52	770
	S-086242-111914-CB-B-1-54-55.5	11/20/2014	< 0.052	< 0.052	< 0.052	< 0.1	< 0.256	< 5.2	< 11	< 54	< 70.2
	S-086242-111914-CB-B-1-56-58	11/20/2014	< 1	2	3	46	**51**	1100	1300	< 560	**2400**
	S-086242-111914-CB-B-1-60-61.5	11/20/2014	< 1.2	22	4.3	47	**73.3**	910	1000	< 62	**1910**
B-2	S-086242-112114-CB-B-2-54-55.5	11/21/2014	< 0.05	< 0.05	< 0.05	< 0.1	< 0.25	< 5	< 11	< 54	< 70
	S-086242-112114-CB-B-2-55.5-57	11/21/2014	< 0.056	< 0.056	< 0.056	< 0.11	< 0.278	36	28	< 58	64
	S-086242-112114-CB-B-2-57-58.5	11/21/2014	2.2	49	11	100	**162.2**	2700	840	< 59	**3540**
	S-086242-112114-CB-B-2-60-62	11/21/2014	< 0.057	0.058	< 0.057	0.7	0.758	32	21	< 60	53
B-3	S-086242-112414-CB-B3-54-55.5	11/24/2014	< 0.058	< 0.058	< 0.058	< 0.12	< 0.294	< 5.8	< 12	< 62	< 79.8
	S-086242-112414-CB-B3-58-60	11/24/2014	< 0.056	< 0.056	< 0.056	< 0.11	< 0.278	< 5.6	< 12	< 59	< 76.6
B-4	S-086242-112514-CB-B4-56-58	11/25/2014	< 0.054	< 0.054	< 0.054	< 0.11	< 0.272	< 5.4	< 12	< 58	< 75.4
	S-086242-112514-CB-B4-58-60	11/25/2014	< 0.052	< 0.052	< 0.052	< 0.1	< 0.256	19	< 11	< 53	19
B-5	S-086242-112514-CB-B5-14-15.5	11/25/2014	< 0.052	< 0.052	< 0.052	< 0.1	< 0.256	< 5.2	< 11	< 53	< 69.2
	S-086242-112514-CB-B5-56-58.5	11/25/2014	< 0.057	< 0.057	< 0.057	< 0.11	< 0.281	< 5.7	< 12	< 58	< 75.7
	S-086242-112514-CB-B5-60-62	11/25/2014	**18**	180	39	390	**627**	7500	7100	< 570	**14600**
	S-086242-112514-CB-B5-62-63	11/25/2014	< 0.59	6.5	1.2	14	21.7	240	370	< 61	610
NMOCD RRAL			**10**	--	--	--	**50**	--	--		**1000**

Notes:

TPH = Total petroleum hydrocarbons
GRO/DRO/ORO = Gasoline/diesel/oil organics
NMOCD RRAL = New Mexico Oil Conservation Division Recommended Remedial Action Limit
mg/kg = milligrams per kilogram (parts per million)
< 10.4 = Below Laboratory Detection Limit of 10.4 mg/kg
< = Below Laboratory Detection Limit
BOLD = Concentrations that exceed the NMWQCC groundwater quality standard

TABLE 6
PLUGGED AND ABANDONED WELL SPECIFICATIONS
THOREAU COMPRESSOR STATION NO. 5
MCKINLEY COUNTY, NEW MEXICO

Well	*Date of Completion*	*Date Last Sampled*	*Total Depth of Boring (ft bgs)*	*Screen Interval (ft bgs)*	*Plug and Abandonment Date*	*Field Verified Total Depth at time of Plugging (ft bgs)*	*Theoretical Grout Volume (gallons)*	*Actual Grout Volume (gallons)*
5-02B	05/12/89	02/28/97	55.5	37.5-51.0	11/26/2014	57.00	9.12	18
5-04B	06/16/89	11/11/03	58.8	38.7-57.2	11/18/2014	55.00	8.80	18
5-12B	06/28/90	06/08/04	65.0	45.0-65.0	11/17/2014	64.97	10.39	18
5-13B	06/28/90	06/08/04	69.4	49.3-69.4	11/17/2014	69.51	11.12	18
5-14B	06/27/90	06/08/04	72.3	42.3-72.3	11/17/2014	71.68	11.47	20
5-15B	06/29/90	06/08/04	65.6	45.6-65.6	11/18/2014	65.09	10.41	20
5-19B	07/10/90	06/08/04	63.3	43.3-63.3	11/18/2014	65.00	10.40	20
5-22B	09/13/90	11/18/97	55.8	45.8-55.8	11/26/2014	55.80	8.93	15
5-23B	09/21/90	06/08/04	80.1	50.1-80.1	11/17/2014	79.70	12.75	25
5-24B	09/25/90	06/08/04	75.5	45.5-75.5	11/17/2014	75.21	12.03	25
5-41B	07/24/92	08/18/97	77.0	55.0-72.0	11/26/2014	72.70	11.63	25
SVE-1	03/29/96	06/08/04	60.0	35.0-60.0	11/18/2014	61.65	9.86	18
SVE-2	03/29/96	NA	61.0	35.0-60.0	11/18/2014	61.84	9.89	18

Appendix A

Groundwater Laboratory Analytical Report

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

May 06, 2014

Angie Bown

Conestoga-Rovers & Associates
6121 Indian School Rd. NE
Suite 200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: Thoreau Compressor Station No 5 OrderNo.: 1404961

Dear Angie Bown:

Hall Environmental Analysis Laboratory received 10 sample(s) on 4/23/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. 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.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: GW-086241-042114-CM-5-16B
Project: Thoreau Compressor Station No 5
Collection Date: 4/21/2014 1:05:00 PM
Lab ID: 1404961-001
Matrix: AQUEOUS
Received Date: 4/23/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	5000	50		µg/L	50	4/24/2014 3:58:06 PM	R18204
Toluene	ND	50		µg/L	50	4/24/2014 3:58:06 PM	R18204
Ethylbenzene	360	50		µg/L	50	4/24/2014 3:58:06 PM	R18204
Xylenes, Total	2500	100		µg/L	50	4/24/2014 3:58:06 PM	R18204
Surr: 4-Bromofluorobenzene	106	82.9-139		%REC	50	4/24/2014 3:58:06 PM	R18204

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: GW-086242-042114-CM-5-18B
Project: Thoreau Compressor Station No 5
Collection Date: 4/21/2014 2:25:00 PM
Lab ID: 1404961-002
Matrix: AQUEOUS
Received Date: 4/23/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/24/2014 4:28:23 PM	R18204
Toluene	ND	1.0		µg/L	1	4/24/2014 4:28:23 PM	R18204
Ethylbenzene	ND	1.0		µg/L	1	4/24/2014 4:28:23 PM	R18204
Xylenes, Total	ND	2.0		µg/L	1	4/24/2014 4:28:23 PM	R18204
Surr: 4-Bromofluorobenzene	102	82.9-139		%REC	1	4/24/2014 4:28:23 PM	R18204

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: GW-086242-042114-CM-5-20B
Project: Thoreau Compressor Station No 5
Collection Date: 4/21/2014 3:40:00 PM
Lab ID: 1404961-003
Matrix: AQUEOUS
Received Date: 4/23/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/25/2014 1:59:40 PM	R18223
Toluene	ND	1.0		µg/L	1	4/25/2014 1:59:40 PM	R18223
Ethylbenzene	ND	1.0		µg/L	1	4/25/2014 1:59:40 PM	R18223
Xylenes, Total	ND	2.0		µg/L	1	4/25/2014 1:59:40 PM	R18223
Surr: 4-Bromofluorobenzene	94.7	82.9-139		%REC	1	4/25/2014 1:59:40 PM	R18223

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: GW-086242-042214-CM-5-59
Project: Thoreau Compressor Station No 5
Collection Date: 4/22/2014 11:05:00 AM
Lab ID: 1404961-004
Matrix: AQUEOUS
Received Date: 4/23/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	0.25		µg/L	1	5/2/2014 2:25:42 PM	12860
Aroclor 1221	ND	0.25		µg/L	1	5/2/2014 2:25:42 PM	12860
Aroclor 1232	ND	0.25		µg/L	1	5/2/2014 2:25:42 PM	12860
Aroclor 1242	ND	0.25		µg/L	1	5/2/2014 2:25:42 PM	12860
Aroclor 1248	ND	0.25		µg/L	1	5/2/2014 2:25:42 PM	12860
Aroclor 1254	ND	0.25		µg/L	1	5/2/2014 2:25:42 PM	12860
Aroclor 1260	ND	0.25		µg/L	1	5/2/2014 2:25:42 PM	12860
Surr: Decachlorobiphenyl	69.2	33.2-131		%REC	1	5/2/2014 2:25:42 PM	12860
Surr: Tetrachloro-m-xylene	64.4	34.7-138		%REC	1	5/2/2014 2:25:42 PM	12860
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/25/2014 2:29:46 PM	R18223
Toluene	ND	1.0		µg/L	1	4/25/2014 2:29:46 PM	R18223
Ethylbenzene	ND	1.0		µg/L	1	4/25/2014 2:29:46 PM	R18223
Xylenes, Total	5.9	2.0		µg/L	1	4/25/2014 2:29:46 PM	R18223
Surr: 4-Bromofluorobenzene	99.6	82.9-139		%REC	1	4/25/2014 2:29:46 PM	R18223

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: GW-086242-042214-CM-5-6C
Project: Thoreau Compressor Station No 5
Collection Date: 4/22/2014 12:30:00 PM
Lab ID: 1404961-005
Matrix: AQUEOUS
Received Date: 4/23/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	0.25		µg/L	1	5/2/2014 3:12:32 PM	12860
Aroclor 1221	ND	0.25		µg/L	1	5/2/2014 3:12:32 PM	12860
Aroclor 1232	ND	0.25		µg/L	1	5/2/2014 3:12:32 PM	12860
Aroclor 1242	1.4	0.25		µg/L	1	5/2/2014 3:12:32 PM	12860
Aroclor 1248	ND	0.25		µg/L	1	5/2/2014 3:12:32 PM	12860
Aroclor 1254	ND	0.25		µg/L	1	5/2/2014 3:12:32 PM	12860
Aroclor 1260	ND	0.25		µg/L	1	5/2/2014 3:12:32 PM	12860
Surr: Decachlorobiphenyl	71.6	33.2-131		%REC	1	5/2/2014 3:12:32 PM	12860
Surr: Tetrachloro-m-xylene	67.6	34.7-138		%REC	1	5/2/2014 3:12:32 PM	12860
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/24/2014 5:59:00 PM	R18204
Toluene	ND	1.0		µg/L	1	4/24/2014 5:59:00 PM	R18204
Ethylbenzene	ND	1.0		µg/L	1	4/24/2014 5:59:00 PM	R18204
Xylenes, Total	ND	2.0		µg/L	1	4/24/2014 5:59:00 PM	R18204
Surr: 4-Bromofluorobenzene	98.3	82.9-139		%REC	1	4/24/2014 5:59:00 PM	R18204

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: GW-086242-042214-CM5-35B
Project: Thoreau Compressor Station No 5
Collection Date: 4/22/2014 1:30:00 PM
Lab ID: 1404961-006
Matrix: AQUEOUS
Received Date: 4/23/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	2500	100		µg/L	100	4/24/2014 6:29:16 PM	R18204
Toluene	ND	20		µg/L	20	4/25/2014 2:59:52 PM	R18223
Ethylbenzene	110	20		µg/L	20	4/25/2014 2:59:52 PM	R18223
Xylenes, Total	830	40		µg/L	20	4/25/2014 2:59:52 PM	R18223
Surr: 4-Bromofluorobenzene	105	82.9-139		%REC	20	4/25/2014 2:59:52 PM	R18223

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: GW-086242-042214.CM-SVE-0
Project: Thoreau Compressor Station No 5
Collection Date: 4/22/2014 1:45:00 PM
Lab ID: 1404961-007
Matrix: AQUEOUS
Received Date: 4/23/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	6800	100		µg/L	100	4/25/2014 4:00:20 PM	R18223
Toluene	ND	50		µg/L	50	4/24/2014 7:29:34 PM	R18204
Ethylbenzene	280	50		µg/L	50	4/24/2014 7:29:34 PM	R18204
Xylenes, Total	1900	100		µg/L	50	4/24/2014 7:29:34 PM	R18204
Surr: 4-Bromofluorobenzene	106	82.9-139		%REC	50	4/24/2014 7:29:34 PM	R18204

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: GW-086242-042214-CM-DUP
Project: Thoreau Compressor Station No 5
Collection Date: 4/22/2014
Lab ID: 1404961-008
Matrix: AQUEOUS
Received Date: 4/23/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	6800	100		µg/L	100	4/25/2014 4:30:26 PM	R18223
Toluene	ND	50		µg/L	50	4/24/2014 7:59:46 PM	R18204
Ethylbenzene	280	50		µg/L	50	4/24/2014 7:59:46 PM	R18204
Xylenes, Total	1900	100		µg/L	50	4/24/2014 7:59:46 PM	R18204
Surr: 4-Bromofluorobenzene	103	82.9-139		%REC	50	4/24/2014 7:59:46 PM	R18204

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: WC-086242-042214-CM-Waste
Project: Thoreau Compressor Station No 5
Collection Date: 4/22/2014 1:50:00 PM
Lab ID: 1404961-009
Matrix: AQUEOUS
Received Date: 4/23/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	0.25		µg/L	1	5/2/2014 3:58:22 PM	12860
Aroclor 1221	ND	0.25		µg/L	1	5/2/2014 3:58:22 PM	12860
Aroclor 1232	ND	0.25		µg/L	1	5/2/2014 3:58:22 PM	12860
Aroclor 1242	ND	0.25		µg/L	1	5/2/2014 3:58:22 PM	12860
Aroclor 1248	ND	0.25		µg/L	1	5/2/2014 3:58:22 PM	12860
Aroclor 1254	ND	0.25		µg/L	1	5/2/2014 3:58:22 PM	12860
Aroclor 1260	ND	0.25		µg/L	1	5/2/2014 3:58:22 PM	12860
Surr: Decachlorobiphenyl	73.6	33.2-131		%REC	1	5/2/2014 3:58:22 PM	12860
Surr: Tetrachloro-m-xylene	62.0	34.7-138		%REC	1	5/2/2014 3:58:22 PM	12860

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: TB-086242-042214-CM-001
Project: Thoreau Compressor Station No 5
Collection Date:
Lab ID: 1404961-010
Matrix: AQUEOUS
Received Date: 4/23/2014 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
Benzene	ND	1.0		µg/L	1	4/25/2014 12:31:34 AM	R18204
Toluene	ND	1.0		µg/L	1	4/25/2014 12:31:34 AM	R18204
Ethylbenzene	ND	1.0		µg/L	1	4/25/2014 12:31:34 AM	R18204
Xylenes, Total	ND	2.0		µg/L	1	4/25/2014 12:31:34 AM	R18204
Surr: 4-Bromofluorobenzene	99.7	82.9-139		%REC	1	4/25/2014 12:31:34 AM	R18204

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	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#: **1404961**

06-May-14

Client: Conestoga-Rovers & Associates

Project: Thoreau Compressor Station No 5

Sample ID **5ML RB**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBW**	Batch ID: **R18204**	RunNo: **18204**
Prep Date:	Analysis Date: **4/24/2014**	SeqNo: **525419** 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		96.8	82.9	139			

Sample ID **100NG BTEX LCS**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSW**	Batch ID: **R18204**	RunNo: **18204**
Prep Date:	Analysis Date: **4/24/2014**	SeqNo: **525420** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	21	1.0	20.00	0	106	80	120			
Toluene	21	1.0	20.00	0	105	80	120			
Ethylbenzene	21	1.0	20.00	0	105	80	120			
Xylenes, Total	64	2.0	60.00	0	106	80	120			
Surr: 4-Bromofluorobenzene	20		20.00		99.0	82.9	139			

Sample ID **1404961-001AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **GW-086241-042114-**	Batch ID: **R18204**	RunNo: **18204**
Prep Date:	Analysis Date: **4/24/2014**	SeqNo: **525422** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	6100	50	1000	4993	113	71	129			E
Toluene	1100	50	1000	0	110	68.4	135			
Ethylbenzene	1500	50	1000	365.0	110	69.4	135			
Xylenes, Total	5800	100	3000	2549	108	72.4	135			
Surr: 4-Bromofluorobenzene	1100		1000		110	82.9	139			

Sample ID **1404961-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **GW-086241-042114-**	Batch ID: **R18204**	RunNo: **18204**
Prep Date:	Analysis Date: **4/24/2014**	SeqNo: **525423** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	5900	50	1000	4993	95.6	71	129	2.82	20	E
Toluene	1100	50	1000	0	106	68.4	135	3.20	20	
Ethylbenzene	1400	50	1000	365.0	107	69.4	135	2.05	20	
Xylenes, Total	5600	100	3000	2549	103	72.4	135	2.40	20	
Surr: 4-Bromofluorobenzene	1100		1000		109	82.9	139	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1404961**

06-May-14

Client: Conestoga-Rovers & Associates

Project: Thoreau Compressor Station No 5

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**PBW**	Batch ID:	**R18223**	RunNo:	**18223**					
Prep Date:		Analysis Date:	**4/25/2014**	SeqNo:	**526174**	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		94.3	82.9	139			

Sample ID	**100NG BTEX LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8021B: Volatiles**					
Client ID:	**LCSW**	Batch ID:	**R18223**	RunNo:	**18223**					
Prep Date:		Analysis Date:	**4/25/2014**	SeqNo:	**526175**	Units:	**µg/L**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	22	1.0	20.00	0	108	80	120			
Toluene	22	1.0	20.00	0	108	80	120			
Ethylbenzene	21	1.0	20.00	0	106	80	120			
Xylenes, Total	65	2.0	60.00	0	108	80	120			
Surr: 4-Bromofluorobenzene	20		20.00		102	82.9	139			

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
O	RSD is greater than RSDlimit	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#: **1404961**

06-May-14

Client: Conestoga-Rovers & Associates

Project: Thoreau Compressor Station No 5

Sample ID **MB-12860**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **12860**	RunNo: **18334**
Prep Date: **4/24/2014**	Analysis Date: **5/1/2014**	SeqNo: **529773** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.25								
Aroclor 1221	ND	0.25								
Aroclor 1232	ND	0.25								
Aroclor 1242	ND	0.25								
Aroclor 1248	ND	0.25								
Aroclor 1254	ND	0.25								
Aroclor 1260	ND	0.25								
Surr: Decachlorobiphenyl	1.9		2.500		74.8	33.2	131			
Surr: Tetrachloro-m-xylene	1.7		2.500		69.2	34.7	138			

Sample ID **LCS-12860**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **12860**	RunNo: **18334**
Prep Date: **4/24/2014**	Analysis Date: **5/1/2014**	SeqNo: **529775** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	2.6	0.25	5.000	0	51.4	15	134			
Aroclor 1260	3.2	0.25	5.000	0	63.5	32.1	148			
Surr: Decachlorobiphenyl	1.4		2.500		57.6	33.2	131			
Surr: Tetrachloro-m-xylene	1.3		2.500		52.4	34.7	138			

Sample ID **MB-12918**	SampType: **MBLK**	TestCode: **EPA Method 8082: PCB's**
Client ID: **PBW**	Batch ID: **12918**	RunNo: **18334**
Prep Date: **4/29/2014**	Analysis Date: **5/1/2014**	SeqNo: **529777** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	1.7		2.500		68.4	33.2	131			
Surr: Tetrachloro-m-xylene	1.6		2.500		62.0	34.7	138			

Sample ID **LCS-12918**	SampType: **LCS**	TestCode: **EPA Method 8082: PCB's**
Client ID: **LCSW**	Batch ID: **12918**	RunNo: **18334**
Prep Date: **4/29/2014**	Analysis Date: **5/1/2014**	SeqNo: **529779** Units: **%REC**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: Decachlorobiphenyl	1.6		2.500		65.6	33.2	131			
Surr: Tetrachloro-m-xylene	1.5		2.500		59.6	34.7	138			

Qualifiers:

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

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: CONESTOGA-ROVERS Work Order Number: 1404961 RcptNo: 1

Received by/date: AT 04/23/14

Logged By: **Anne Thorne** 4/23/2014 8:00:00 AM Anne Thorne

Completed By: **Anne Thorne** 4/23/2014 Anne Thorne

Reviewed By: KMS 4/24/14 13:35

Chain of Custody

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

Log In

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

16. 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: _____

17. Additional remarks:

18. **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

COC NO.: 32878

PAGE 1 OF

(See Reverse Side for Instruct

CONESTOGA-ROVERS & ASSOCIATES

Address: 6121 Indian School #200 ABQ, NM

Phone: 505-884-0672 Fax:

Project No/ Phase/Task Code: 086242

Project Name: Thoreau Compressor Station No. 5

Project Location: Thoreau, NM

Chemistry Contact: Angie Bown w/ CRA

Sampler(s): C. Mathews, C. Kanack

Laboratory Name: Hall Environmental

Lab Contact: Andy Freeman

Lab Location: ABQ, NM

Lab Quote No.:

SSOW ID:

Cooler No:

Carrier:

Airbill No:

Date Shipped: 4/23/14

Item	SAMPLE IDENTIFICATION (Containers for each sample may be combined on one line)	DATE (mm/dd/yy)	TIME (hh:mm)	Matrix Code (see back of COC)	Grab (G) or Comp (C)	Unpreserved	Hydrochloric Acid (HCl)	Nitric Acid (HNO_3)	Sulfuric Acid (H_2SO_4)	Sodium Hydroxide (NaOH)	Methanol/Water (Soil VOC)	EnCores 3x5-g; 1x25-g	Other:	Total Containers/Sample	BTEX 11	PCBs LF AT 04/24/14	MS/MSD Request	COMMENTS/ SPECIAL INSTRUCTION
1	GW-086242-042214-CM-5-16B	4/21/14	1305	WG	G	NO	3							3	X			1404961-01
2	GW-086242-042214-CM-5-18B	4/21/14	1425	WG	G		3							3	X			-02
3	GW-086242-042214-CM-5-20B	4/21/14	1540	WG	G		3							3	X			-03
4	GW-086242-042214-CM-5-59	4/22/14	1105	WG	G	1	3							4	X	X		-04
5	GW-086242-042214-CM-5-6C	4/22/14	1230	WG	G	1	3							4	X	X		-05
6	GW-086242-042214-CM-5-35B	4/22/14	1330	WG	G		3							3	X	X	NO CM 4/24/14	-06
7	GW-086242-042214-CM-SVE-03	4/22/14	1345	WG	G		3							3	X			-07
8	GW-086242-042214-CM-DUP	4/22/14	—	WG	G		3							3	X			-08
9	TWC-086242-042214-CM-Waste	4/22/14	1350	WG	G	1								1		X		-09
10	(Hold) QC-5-06C	4/22/14	1230	WG	G	1								1				-10
11	TB-086242-042214-CM-001	4/22/14	1700	↓		NO	2							2	X			-01C
12																		
13																		
14																		
15																		

TAT Required in business days (use separate COCs for different TATs):

☐ 1 Day ☐ 2 Days ☐ 3 Days ☐ 1 Week ☐ 2 Week ☐ Other:

Total Number of Containers: 26

All Samples in Cooler must be on COC

Notes/ Special Requirements: 1.0

	RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY	DATE	TIME
1.		CRA	4/22/14	1725		CRA	4/22/14	1725
2.		CRA	4/23/14	0800		HEAL	04/23/14	0800
3.								

THE CHAIN OF CUSTODY IS A LEGAL DOCUMENT – ALL FIELDS MUST BE COMPLETED ACCURATELY

Distribution: WHITE – Fully Executed Copy (CRA) YELLOW – Receiving Laboratory Copy PINK – Shipper GOLDENROD – Sampling Crew

CRA Form: COC-10B (20110804

Appendix B

Soil Laboratory Analytical Report

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

December 03, 2014

Bernie Bockish
CRA
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: Thoreau Compressor Station No. 5 OrderNo.: 1411986

Dear Bernie Bockish:

Hall Environmental Analysis Laboratory received 5 sample(s) on 11/21/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. 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.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CRA
Client Sample ID: S.086242.111914.CB.B-1-44-45.
Project: Thoreau Compressor Station No. 5
Collection Date: 11/19/2014 1:00:00 PM
Lab ID: 1411986-001 **Matrix:** SOIL **Received Date:** 11/21/2014 2:54:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	410	10		mg/Kg-dry	1	11/25/2014 4:06:17 PM	16541
Motor Oil Range Organics (MRO)	ND	52		mg/Kg-dry	1	11/25/2014 4:06:17 PM	16541
Surr: DNOP	80.2	63.5-128		%REC	1	11/25/2014 4:06:17 PM	16541
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	360	100		mg/Kg-dry	20	11/26/2014 10:30:57 PM	16538
Surr: BFB	153	80-120	S	%REC	20	11/26/2014 10:30:57 PM	16538
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	5.4	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.51		mg/Kg-dry	10	11/26/2014 1:18:23 PM	16538
Toluene	ND	0.51		mg/Kg-dry	10	11/26/2014 1:18:23 PM	16538
Ethylbenzene	ND	0.51		mg/Kg-dry	10	11/26/2014 1:18:23 PM	16538
Xylenes, Total	4.2	1.0		mg/Kg-dry	10	11/26/2014 1:18:23 PM	16538
Surr: 1,2-Dichloroethane-d4	103	70-130		%REC	10	11/26/2014 1:18:23 PM	16538
Surr: 4-Bromofluorobenzene	78.4	70-130		%REC	10	11/26/2014 1:18:23 PM	16538
Surr: Dibromofluoromethane	92.6	70-130		%REC	10	11/26/2014 1:18:23 PM	16538
Surr: Toluene-d8	100	70-130		%REC	10	11/26/2014 1:18:23 PM	16538

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CRA
Client Sample ID: S.086242.112014.CB.B-1-54-55.
Project: Thoreau Compressor Station No. 5
Collection Date: 11/20/2014 12:39:00 PM
Lab ID: 1411986-002 **Matrix:** SOIL **Received Date:** 11/21/2014 2:54:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dry	1	11/25/2014 4:27:44 PM	16541
Motor Oil Range Organics (MRO)	ND	54		mg/Kg-dry	1	11/25/2014 4:27:44 PM	16541
Surr: DNOP	94.0	63.5-128		%REC	1	11/25/2014 4:27:44 PM	16541
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dry	1	11/26/2014 12:41:18 AM	16538
Surr: BFB	91.3	80-120		%REC	1	11/26/2014 12:41:18 AM	16538
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	6.9	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.052		mg/Kg-dry	1	11/26/2014 12:24:03 AM	16538
Toluene	ND	0.052		mg/Kg-dry	1	11/26/2014 12:24:03 AM	16538
Ethylbenzene	ND	0.052		mg/Kg-dry	1	11/26/2014 12:24:03 AM	16538
Xylenes, Total	ND	0.10		mg/Kg-dry	1	11/26/2014 12:24:03 AM	16538
Surr: 1,2-Dichloroethane-d4	100	70-130		%REC	1	11/26/2014 12:24:03 AM	16538
Surr: 4-Bromofluorobenzene	101	70-130		%REC	1	11/26/2014 12:24:03 AM	16538
Surr: Dibromofluoromethane	101	70-130		%REC	1	11/26/2014 12:24:03 AM	16538
Surr: Toluene-d8	97.9	70-130		%REC	1	11/26/2014 12:24:03 AM	16538

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CRA
Client Sample ID: S.086242.112014.CB.B-1-56-58
Project: Thoreau Compressor Station No. 5
Collection Date: 11/20/2014 1:00:00 PM
Lab ID: 1411986-003 **Matrix:** SOIL **Received Date:** 11/21/2014 2:54:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	1300	110		mg/Kg-dry	10	11/26/2014 7:28:20 AM	16541
Motor Oil Range Organics (MRO)	ND	560		mg/Kg-dry	10	11/26/2014 7:28:20 AM	16541
Surr: DNOP	0	63.5-128	S	%REC	10	11/26/2014 7:28:20 AM	16541
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	1100	100		mg/Kg-dry	20	11/26/2014 1:09:56 AM	16538
Surr: BFB	242	80-120	S	%REC	20	11/26/2014 1:09:56 AM	16538
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	11	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	1.0		mg/Kg-dry	20	11/26/2014 12:50:48 AM	16538
Toluene	2.0	1.0		mg/Kg-dry	20	11/26/2014 12:50:48 AM	16538
Ethylbenzene	3.0	1.0		mg/Kg-dry	20	11/26/2014 12:50:48 AM	16538
Xylenes, Total	46	2.1		mg/Kg-dry	20	11/26/2014 12:50:48 AM	16538
Surr: 1,2-Dichloroethane-d4	95.3	70-130		%REC	20	11/26/2014 12:50:48 AM	16538
Surr: 4-Bromofluorobenzene	76.6	70-130		%REC	20	11/26/2014 12:50:48 AM	16538
Surr: Dibromofluoromethane	85.1	70-130		%REC	20	11/26/2014 12:50:48 AM	16538
Surr: Toluene-d8	101	70-130		%REC	20	11/26/2014 12:50:48 AM	16538

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CRA
Client Sample ID: S.086242.112014.CB.B-1-60-61.
Project: Thoreau Compressor Station No. 5
Collection Date: 11/20/2014 1:40:00 PM
Lab ID: 1411986-004 **Matrix:** SOIL **Received Date:** 11/21/2014 2:54:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	1000	12		mg/Kg-dry	1	11/25/2014 5:11:01 PM	16541
Motor Oil Range Organics (MRO)	ND	62		mg/Kg-dry	1	11/25/2014 5:11:01 PM	16541
Surr: DNOP	94.1	63.5-128		%REC	1	11/25/2014 5:11:01 PM	16541
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	910	290		mg/Kg-dry	50	11/26/2014 1:38:29 AM	16538
Surr: BFB	133	80-120	S	%REC	50	11/26/2014 1:38:29 AM	16538
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	18	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	1.2		mg/Kg-dry	20	11/26/2014 2:38:22 PM	16538
Toluene	22	1.2		mg/Kg-dry	20	11/26/2014 2:38:22 PM	16538
Ethylbenzene	4.3	1.2		mg/Kg-dry	20	11/26/2014 2:38:22 PM	16538
Xylenes, Total	47	2.3		mg/Kg-dry	20	11/26/2014 2:38:22 PM	16538
Surr: 1,2-Dichloroethane-d4	95.4	70-130		%REC	20	11/26/2014 2:38:22 PM	16538
Surr: 4-Bromofluorobenzene	94.3	70-130		%REC	20	11/26/2014 2:38:22 PM	16538
Surr: Dibromofluoromethane	85.2	70-130		%REC	20	11/26/2014 2:38:22 PM	16538
Surr: Toluene-d8	101	70-130		%REC	20	11/26/2014 2:38:22 PM	16538

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CRA
Client Sample ID: Trip Blank
Project: Thoreau Compressor Station No. 5
Collection Date:
Lab ID: 1411986-005
Matrix: TRIP BLANK
Received Date: 11/21/2014 2:54:00 PM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/26/2014 9:47:13 PM	R22836
Surr: BFB	89.5	80-120		%REC	1	11/26/2014 9:47:13 PM	R22836
EPA METHOD 8260: VOLATILES SHORT LIST						Analyst: **KJH**	
Benzene	ND	1.0		µg/L	1	11/26/2014 7:32:21 PM	R22837
Toluene	ND	1.0		µg/L	1	11/26/2014 7:32:21 PM	R22837
Ethylbenzene	ND	1.0		µg/L	1	11/26/2014 7:32:21 PM	R22837
Xylenes, Total	ND	1.5		µg/L	1	11/26/2014 7:32:21 PM	R22837
Surr: 1,2-Dichloroethane-d4	94.3	70-130		%REC	1	11/26/2014 7:32:21 PM	R22837
Surr: 4-Bromofluorobenzene	99.1	70-130		%REC	1	11/26/2014 7:32:21 PM	R22837
Surr: Dibromofluoromethane	89.2	70-130		%REC	1	11/26/2014 7:32:21 PM	R22837
Surr: Toluene-d8	91.1	70-130		%REC	1	11/26/2014 7:32:21 PM	R22837

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	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#: **1411986**

03-Dec-14

Client: CRA

Project: Thoreau Compressor Station No. 5

Sample ID **MB-16541**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **16541**	RunNo: **22764**
Prep Date: **11/24/2014**	Analysis Date: **11/25/2014**	SeqNo: **672638** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.5		10.00		74.9	63.5	128			

Sample ID **LCS-16541**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **16541**	RunNo: **22764**
Prep Date: **11/24/2014**	Analysis Date: **11/25/2014**	SeqNo: **672743** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.9	68.6	130			
Surr: DNOP	3.5		5.000		69.6	63.5	128			

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
O	RSD is greater than RSDlimit	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#: **1411986**

03-Dec-14

Client: CRA

Project: Thoreau Compressor Station No. 5

Sample ID	**MB-16538**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**16538**	RunNo:	**22780**					
Prep Date:	**11/24/2014**	Analysis Date:	**11/25/2014**	SeqNo:	**672974**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.3	80	120			

Sample ID	**LCS-16538**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**16538**	RunNo:	**22780**					
Prep Date:	**11/24/2014**	Analysis Date:	**11/25/2014**	SeqNo:	**672975**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.4	65.8	139			
Surr: BFB	1000		1000		102	80	120			

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
O	RSD is greater than RSDlimit	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#: **1411986**

03-Dec-14

Client: CRA

Project: Thoreau Compressor Station No. 5

Sample ID	**5ML RB**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**
Client ID:	**PBW**	Batch ID:	**R22836**	RunNo:	**22836**
Prep Date:		Analysis Date:	**11/26/2014**	SeqNo:	**673913** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	17		20.00		86.5	80	120			

Sample ID	**2.5UG GRO LCS**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**
Client ID:	**LCSW**	Batch ID:	**R22836**	RunNo:	**22836**
Prep Date:		Analysis Date:	**11/26/2014**	SeqNo:	**673914** Units: **mg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.45	0.050	0.5000	0	89.8	80	120			
Surr: BFB	18		20.00		92.4	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411986**

03-Dec-14

Client: CRA

Project: Thoreau Compressor Station No. 5

Sample ID **mb-16538**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **16538**	RunNo: **22801**
Prep Date: **11/24/2014**	Analysis Date: **11/25/2014**	SeqNo: **672834** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		104	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		91.6	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.45		0.5000		89.9	70	130			

Sample ID **lcs-16538**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **16538**	RunNo: **22801**
Prep Date: **11/24/2014**	Analysis Date: **11/25/2014**	SeqNo: **672835** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	110	70	130			
Toluene	0.87	0.050	1.000	0	87.2	70	130			
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		108	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.6	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.46		0.5000		91.5	70	130			

Sample ID **1411986-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S.086242.111914.CB**	Batch ID: **16538**	RunNo: **22838**
Prep Date: **11/24/2014**	Analysis Date: **11/26/2014**	SeqNo: **674015** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.51	1.012	0.07284	94.3	32.2	145			
Toluene	0.97	0.51	1.012	0	96.0	29.1	139			
Surr: 1,2-Dichloroethane-d4	5.0		5.058		99.5	70	130			
Surr: 4-Bromofluorobenzene	4.4		5.058		87.7	70	130			
Surr: Dibromofluoromethane	4.4		5.058		87.1	70	130			
Surr: Toluene-d8	5.2		5.058		103	70	130			

Sample ID **1411986-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **S.086242.111914.CB**	Batch ID: **16538**	RunNo: **22838**
Prep Date: **11/24/2014**	Analysis Date: **11/26/2014**	SeqNo: **674016** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.51	1.012	0.07284	96.5	32.2	145	2.11	20	
Toluene	0.96	0.51	1.012	0	95.2	29.1	139	0.868	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411986**

03-Dec-14

Client: CRA

Project: Thoreau Compressor Station No. 5

Sample ID **1411986-001amsd** SampType: **MSD** TestCode: **EPA Method 8260B: Volatiles Short List**

Client ID: **S.086242.111914.CB** Batch ID: **16538** RunNo: **22838**

Prep Date: **11/24/2014** Analysis Date: **11/26/2014** SeqNo: **674016** Units: **mg/Kg-dry**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 1,2-Dichloroethane-d4	5.1		5.058		101	70	130	0	0	
Surr: 4-Bromofluorobenzene	4.6		5.058		91.6	70	130	0	0	
Surr: Dibromofluoromethane	4.7		5.058		92.7	70	130	0	0	
Surr: Toluene-d8	5.3		5.058		105	70	130	0	0	

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
O	RSD is greater than RSDlimit	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#: **1411986**

03-Dec-14

Client: CRA

Project: Thoreau Compressor Station No. 5

Sample ID **5mL-rb**	SampType: **MBLK**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **PBW**	Batch ID: **R22837**	RunNo: **22837**
Prep Date:	Analysis Date: **11/26/2014**	SeqNo: **673988** 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	1.5								
Surr: 1,2-Dichloroethane-d4	9.6		10.00		96.0	70	130			
Surr: 4-Bromofluorobenzene	9.4		10.00		94.5	70	130			
Surr: Dibromofluoromethane	9.0		10.00		90.3	70	130			
Surr: Toluene-d8	9.1		10.00		90.9	70	130			

Sample ID **100ng lcs**	SampType: **LCS**	TestCode: **EPA Method 8260: Volatiles Short List**
Client ID: **LCSW**	Batch ID: **R22837**	RunNo: **22837**
Prep Date:	Analysis Date: **11/26/2014**	SeqNo: **673989** Units: **µg/L**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	23	1.0	20.00	0	113	70	130			
Toluene	22	1.0	20.00	0	108	80	120			
Surr: 1,2-Dichloroethane-d4	9.7		10.00		96.6	70	130			
Surr: 4-Bromofluorobenzene	9.9		10.00		99.4	70	130			
Surr: Dibromofluoromethane	9.2		10.00		92.1	70	130			
Surr: Toluene-d8	9.1		10.00		91.4	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
O	RSD is greater than RSDlimit	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: **CRA Albuquerque** Work Order Number: **1411986** RcptNo: 1

Received by/date: CS 11/21/14

Logged By: **Lindsay Mangin** **11/21/2014 2:54:00 PM**

Completed By: **Lindsay Mangin** **11/22/2014 10:38:55 AM**

Reviewed By: CS 11/24/14

Chain of Custody

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

Log In

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

Special Handling (if applicable)

16. 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: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.8	Good	Not Present			

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: CRA

6121 Indian School Rd

Mailing Address: Ste 200

Albuquerque, NM 87110

Phone #: 505-884-0672

Email or Fax#: BBockisch@cravworld.com

QA/QC Package:

☑ Standard ☐ Level 4 (Full Validation)

Accreditation

☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name: Thoreau Compressor Station No. 5

Project #: 086242

Project Manager: Bernie Bockisch

Sampler:

On Ice: ☒ Yes ☐ No

Sample Temperature: 4.8°C

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1411986	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)	BTEX - 8260				Air Bubbles (Y or N)
11.19.14	1300	Soil	S-086242-112014-CB-B1-44-45.5	Soil Jar	None	-001			X									X				
11.20.14	1239	Soil	S-086242-112014-CB-B1-54-55.5	Soil Jar	None	-002			X									X				
11.20.14	1300	Soil	S-086242-112014-CB-B1-56-58	Soil Jar	None	-003			X									X				
11.20.14	1340	Soil	S-086242-112014-CB-B1-60-61.5	Soil Jar	None	-004			X									X				
~~11.20.14~~	~~1512~~	~~water~~	~~trip blank~~	~~VOA~~	~~HCl~~	~~-005~~																
			TRIP BLANK 11/21/14	VOA	HCl	-005			X									X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
11.20.14	1530	Carlos Brown	Carlos Brown	11.21.14	1454
11/21/14	1530		Celina Sena	11/21/14	1454

Remarks:

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

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

December 03, 2014

Bernie Bockish
CRA
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: Energy Transfer Thoreau Compressor Station OrderNo.: 1411994

Dear Bernie Bockish:

Hall Environmental Analysis Laboratory received 4 sample(s) on 11/24/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. 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.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CRA
Client Sample ID: S-086242-112114-CB-B-2-54-55
Project: Energy Transfer Thoreau Compressor Sta
Collection Date: 11/21/2014 11:16:00 AM
Lab ID: 1411994-001 **Matrix:** SOIL **Received Date:** 11/24/2014 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dry	1	11/25/2014 5:32:31 PM	16541
Motor Oil Range Organics (MRO)	ND	54		mg/Kg-dry	1	11/25/2014 5:32:31 PM	16541
Surr: DNOP	85.6	63.5-128		%REC	1	11/25/2014 5:32:31 PM	16541
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg-dry	1	11/26/2014 2:35:48 AM	16538
Surr: BFB	90.6	80-120		%REC	1	11/26/2014 2:35:48 AM	16538
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	7.5	1.0		wt%	1	11/26/2014 11:15:00 AM	R22847
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.050		mg/Kg-dry	1	11/26/2014 1:44:12 AM	16538
Toluene	ND	0.050		mg/Kg-dry	1	11/26/2014 1:44:12 AM	16538
Ethylbenzene	ND	0.050		mg/Kg-dry	1	11/26/2014 1:44:12 AM	16538
Xylenes, Total	ND	0.10		mg/Kg-dry	1	11/26/2014 1:44:12 AM	16538
Surr: 1,2-Dichloroethane-d4	96.4	70-130		%REC	1	11/26/2014 1:44:12 AM	16538
Surr: 4-Bromofluorobenzene	97.5	70-130		%REC	1	11/26/2014 1:44:12 AM	16538
Surr: Dibromofluoromethane	97.5	70-130		%REC	1	11/26/2014 1:44:12 AM	16538
Surr: Toluene-d8	96.5	70-130		%REC	1	11/26/2014 1:44:12 AM	16538

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CRA
Client Sample ID: S-086242-112114-CB-B-2-55.5-
Project: Energy Transfer Thoreau Compressor Sta
Collection Date: 11/21/2014 11:30:00 AM
Lab ID: 1411994-002
Matrix: SOIL
Received Date: 11/24/2014 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	28	12		mg/Kg-dry	1	11/25/2014 5:54:16 PM	16541
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dry	1	11/25/2014 5:54:16 PM	16541
Surr: DNOP	86.5	63.5-128		%REC	1	11/25/2014 5:54:16 PM	16541
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	36	5.6		mg/Kg-dry	1	11/26/2014 3:04:23 AM	16538
Surr: BFB	281	80-120	S	%REC	1	11/26/2014 3:04:23 AM	16538
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	13	1.0		wt%	1	11/26/2014 11:15:00 AM	R22847
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.056		mg/Kg-dry	1	11/26/2014 2:10:57 AM	16538
Toluene	ND	0.056		mg/Kg-dry	1	11/26/2014 2:10:57 AM	16538
Ethylbenzene	ND	0.056		mg/Kg-dry	1	11/26/2014 2:10:57 AM	16538
Xylenes, Total	ND	0.11		mg/Kg-dry	1	11/26/2014 2:10:57 AM	16538
Surr: 1,2-Dichloroethane-d4	94.5	70-130		%REC	1	11/26/2014 2:10:57 AM	16538
Surr: 4-Bromofluorobenzene	130	70-130	S	%REC	1	11/26/2014 2:10:57 AM	16538
Surr: Dibromofluoromethane	95.1	70-130		%REC	1	11/26/2014 2:10:57 AM	16538
Surr: Toluene-d8	92.0	70-130		%REC	1	11/26/2014 2:10:57 AM	16538

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CRA
Client Sample ID: S-086242-111214-CB-B-2-57-58
Project: Energy Transfer Thoreau Compressor Sta
Collection Date: 11/21/2014 11:38:00 AM
Lab ID: 1411994-003 **Matrix:** SOIL **Received Date:** 11/24/2014 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	840	12		mg/Kg-dry	1	11/25/2014 6:15:47 PM	16541
Motor Oil Range Organics (MRO)	ND	59		mg/Kg-dry	1	11/25/2014 6:15:47 PM	16541
Surr: DNOP	88.2	63.5-128		%REC	1	11/25/2014 6:15:47 PM	16541
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	2700	110		mg/Kg-dry	20	11/26/2014 3:32:57 AM	16538
Surr: BFB	350	80-120	S	%REC	20	11/26/2014 3:32:57 AM	16538
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	15	1.0		wt%	1	11/26/2014 11:15:00 AM	R22847
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	2.2	1.1		mg/Kg-dry	20	11/26/2014 2:37:46 AM	16538
Toluene	49	1.1		mg/Kg-dry	20	11/26/2014 2:37:46 AM	16538
Ethylbenzene	11	1.1		mg/Kg-dry	20	11/26/2014 2:37:46 AM	16538
Xylenes, Total	100	2.3		mg/Kg-dry	20	11/26/2014 2:37:46 AM	16538
Surr: 1,2-Dichloroethane-d4	94.2	70-130		%REC	20	11/26/2014 2:37:46 AM	16538
Surr: 4-Bromofluorobenzene	76.3	70-130		%REC	20	11/26/2014 2:37:46 AM	16538
Surr: Dibromofluoromethane	82.6	70-130		%REC	20	11/26/2014 2:37:46 AM	16538
Surr: Toluene-d8	105	70-130		%REC	20	11/26/2014 2:37:46 AM	16538

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CRA
Client Sample ID: S-086242-112114-CB-B-2-60-62
Project: Energy Transfer Thoreau Compressor Sta
Collection Date: 11/21/2014 12:19:00 PM
Lab ID: 1411994-004 **Matrix:** SOIL **Received Date:** 11/24/2014 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	21	12		mg/Kg-dry	1	11/25/2014 6:37:24 PM	16541
Motor Oil Range Organics (MRO)	ND	60		mg/Kg-dry	1	11/25/2014 6:37:24 PM	16541
Surr: DNOP	85.4	63.5-128		%REC	1	11/25/2014 6:37:24 PM	16541
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	32	11		mg/Kg-dry	2	11/26/2014 11:28:06 PM	16538
Surr: BFB	152	80-120	S	%REC	2	11/26/2014 11:28:06 PM	16538
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	17	1.0		wt%	1	11/26/2014 11:15:00 AM	R22847
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.057		mg/Kg-dry	1	12/1/2014 10:51:29 AM	16538
Toluene	0.058	0.057		mg/Kg-dry	1	12/1/2014 10:51:29 AM	16538
Ethylbenzene	ND	0.057		mg/Kg-dry	1	12/1/2014 10:51:29 AM	16538
Xylenes, Total	0.70	0.11		mg/Kg-dry	1	12/1/2014 10:51:29 AM	16538
Surr: 1,2-Dichloroethane-d4	107	70-130		%REC	1	12/1/2014 10:51:29 AM	16538
Surr: 4-Bromofluorobenzene	87.4	70-130		%REC	1	12/1/2014 10:51:29 AM	16538
Surr: Dibromofluoromethane	106	70-130		%REC	1	12/1/2014 10:51:29 AM	16538
Surr: Toluene-d8	93.0	70-130		%REC	1	12/1/2014 10:51:29 AM	16538

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	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#: **1411994**

03-Dec-14

Client: CRA

Project: Energy Transfer Thoreau Compressor Station

Sample ID	**MB-16541**	SampType:	**MBLK**		TestCode:	**EPA Method 8015D: Diesel Range Organics**				
Client ID:	**PBS**	Batch ID:	**16541**		RunNo:	**22764**				
Prep Date:	**11/24/2014**	Analysis Date:	**11/25/2014**		SeqNo:	**672638**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.5		10.00		74.9	63.5	128			

Sample ID	**LCS-16541**	SampType:	**LCS**		TestCode:	**EPA Method 8015D: Diesel Range Organics**				
Client ID:	**LCSS**	Batch ID:	**16541**		RunNo:	**22764**				
Prep Date:	**11/24/2014**	Analysis Date:	**11/25/2014**		SeqNo:	**672743**	Units:	**mg/Kg**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.9	68.6	130			
Surr: DNOP	3.5		5.000		69.6	63.5	128			

Sample ID	**1411994-004AMS**	SampType:	**MS**		TestCode:	**EPA Method 8015D: Diesel Range Organics**				
Client ID:	**S-086242-112114-C**	Batch ID:	**16541**		RunNo:	**22764**				
Prep Date:	**11/24/2014**	Analysis Date:	**11/25/2014**		SeqNo:	**672752**	Units:	**mg/Kg-dry**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	81	12	60.64	21.12	98.6	29.2	176			
Surr: DNOP	5.6		6.064		92.4	63.5	128			

Sample ID	**1411994-004AMSD**	SampType:	**MSD**		TestCode:	**EPA Method 8015D: Diesel Range Organics**				
Client ID:	**S-086242-112114-C**	Batch ID:	**16541**		RunNo:	**22764**				
Prep Date:	**11/24/2014**	Analysis Date:	**11/25/2014**		SeqNo:	**672753**	Units:	**mg/Kg-dry**		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	91	12	59.62	21.12	117	29.2	176	11.8	23	
Surr: DNOP	5.7		5.962		96.1	63.5	128	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411994**

03-Dec-14

Client: CRA

Project: Energy Transfer Thoreau Compressor Station

Sample ID	**MB-16538**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**16538**	RunNo:	**22780**					
Prep Date:	**11/24/2014**	Analysis Date:	**11/25/2014**	SeqNo:	**672974**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		91.3	80	120			

Sample ID	**LCS-16538**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**16538**	RunNo:	**22780**					
Prep Date:	**11/24/2014**	Analysis Date:	**11/25/2014**	SeqNo:	**672975**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.4	65.8	139			
Surr: BFB	1000		1000		102	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411994**

03-Dec-14

Client: CRA

Project: Energy Transfer Thoreau Compressor Station

Sample ID **mb-16538**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **16538**	RunNo: **22801**
Prep Date: **11/24/2014**	Analysis Date: **11/25/2014**	SeqNo: **672834** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		104	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		91.6	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.45		0.5000		89.9	70	130			

Sample ID **lcs-16538**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **16538**	RunNo: **22801**
Prep Date: **11/24/2014**	Analysis Date: **11/25/2014**	SeqNo: **672835** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	110	70	130			
Toluene	0.87	0.050	1.000	0	87.2	70	130			
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		108	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		93.6	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130			
Surr: Toluene-d8	0.46		0.5000		91.5	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
O	RSD is greater than RSDlimit	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

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: CRA Albuquerque | Work Order Number: 1411994 | RcptNo: 1

Received by/date: 11/24/14

Logged By: **Ashley Gallegos** 11/24/2014 8:30:00 AM

Completed By: **Ashley Gallegos** 11/24/2014 8:50:17 AM

Reviewed By: CS 11/24/14

Chain of Custody

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

Log In

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

16. 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: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good	Not Present			

Chain-of-Custody Record

Client: CRA

Mailing Address: 6121 Indian School Rd, #200 Albuquerque, NM 87110

Phone #: 505-884-0672

email or Fax#: BBorkisch@cramworld.com

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: Energy Transfer Thoreau Compressor Station

Project #: 082242

Project Manager: Bernie Borkisch

Sampler: Casey Brown

On Ice: ☑ Yes ☐ No

Sample Temperature: 3.8

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1411994	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)	BTEX by 8260				Air Bubbles (Y or N)
11-21-14	1110	Soil	B-082242-112114-CB-B-2-51-55.5	Jar	None	-001			X									X				
11-21-14	1130	Soil	B-082242-112114-CB-B-2-55.5-57	Jar	None	-002			X									X				
11-21-14	1138	Soil	B-082242-112114-CB-B-2-57-58.5	Jar	None	-003			X									X				
11-21-14	1219	Soil	B-082242-112114-CB-B-2-60-62	Jar	None	-004			X									X				
			Trip Blank																			

11/24/14

Date	Time	Relinquished by:	Received by:	Date	Time
11-24-14	0830				
Date:	Time:	Relinquished by:	Received by:	11/24/14 Date	0830 Time

Remarks:

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

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

December 05, 2014

Bernie Bockisch

Conestoga-Rovers & Associates
6121 Indian School Rd. NE
Suite 200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: Thoreau Compressor Station OrderNo.: 1411B17

Dear Bernie Bockisch:

Hall Environmental Analysis Laboratory received 8 sample(s) on 11/26/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. 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.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: S.086242.112414.CB.B3-54-55.
Project: Thoreau Compressor Station
Collection Date: 11/24/2014 2:07:00 PM
Lab ID: 1411B17-001 **Matrix:** SOIL **Received Date:** 11/26/2014 10:03:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dry	1	12/2/2014 2:57:47 PM	16598
Motor Oil Range Organics (MRO)	ND	62		mg/Kg-dry	1	12/2/2014 2:57:47 PM	16598
Surr: DNOP	88.1	63.5-128		%REC	1	12/2/2014 2:57:47 PM	16598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.8		mg/Kg-dry	1	12/1/2014 2:34:01 PM	16599
Surr: BFB	95.4	80-120		%REC	1	12/1/2014 2:34:01 PM	16599
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	19	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.058		mg/Kg-dry	1	12/1/2014 1:59:21 PM	16599
Toluene	ND	0.058		mg/Kg-dry	1	12/1/2014 1:59:21 PM	16599
Ethylbenzene	ND	0.058		mg/Kg-dry	1	12/1/2014 1:59:21 PM	16599
Xylenes, Total	ND	0.12		mg/Kg-dry	1	12/1/2014 1:59:21 PM	16599
Surr: 1,2-Dichloroethane-d4	93.5	70-130		%REC	1	12/1/2014 1:59:21 PM	16599
Surr: 4-Bromofluorobenzene	94.3	70-130		%REC	1	12/1/2014 1:59:21 PM	16599
Surr: Dibromofluoromethane	94.6	70-130		%REC	1	12/1/2014 1:59:21 PM	16599
Surr: Toluene-d8	90.8	70-130		%REC	1	12/1/2014 1:59:21 PM	16599

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: S.086242.112414.CB.B3-58-60
Project: Thoreau Compressor Station
Collection Date: 11/24/2014 2:50:00 PM
Lab ID: 1411B17-002 **Matrix:** SOIL **Received Date:** 11/26/2014 10:03:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dry	1	12/2/2014 3:19:24 PM	16598
Motor Oil Range Organics (MRO)	ND	59		mg/Kg-dry	1	12/2/2014 3:19:24 PM	16598
Surr: DNOP	89.7	63.5-128		%REC	1	12/2/2014 3:19:24 PM	16598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.6		mg/Kg-dry	1	12/1/2014 3:02:34 PM	16599
Surr: BFB	96.4	80-120		%REC	1	12/1/2014 3:02:34 PM	16599
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	15	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.056		mg/Kg-dry	1	12/1/2014 2:26:08 PM	16599
Toluene	ND	0.056		mg/Kg-dry	1	12/1/2014 2:26:08 PM	16599
Ethylbenzene	ND	0.056		mg/Kg-dry	1	12/1/2014 2:26:08 PM	16599
Xylenes, Total	ND	0.11		mg/Kg-dry	1	12/1/2014 2:26:08 PM	16599
Surr: 1,2-Dichloroethane-d4	94.6	70-130		%REC	1	12/1/2014 2:26:08 PM	16599
Surr: 4-Bromofluorobenzene	92.2	70-130		%REC	1	12/1/2014 2:26:08 PM	16599
Surr: Dibromofluoromethane	94.7	70-130		%REC	1	12/1/2014 2:26:08 PM	16599
Surr: Toluene-d8	93.3	70-130		%REC	1	12/1/2014 2:26:08 PM	16599

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: S.086242.112514.CB.B4-56-58
Project: Thoreau Compressor Station
Collection Date: 11/25/2014 11:34:00 AM
Lab ID: 1411B17-003 **Matrix:** SOIL **Received Date:** 11/26/2014 10:03:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dry	1	12/2/2014 3:40:56 PM	16598
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dry	1	12/2/2014 3:40:56 PM	16598
Surr: DNOP	96.0	63.5-128		%REC	1	12/2/2014 3:40:56 PM	16598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.4		mg/Kg-dry	1	12/1/2014 3:31:05 PM	16599
Surr: BFB	95.9	80-120		%REC	1	12/1/2014 3:31:05 PM	16599
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	14	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.054		mg/Kg-dry	1	12/1/2014 2:52:51 PM	16599
Toluene	ND	0.054		mg/Kg-dry	1	12/1/2014 2:52:51 PM	16599
Ethylbenzene	ND	0.054		mg/Kg-dry	1	12/1/2014 2:52:51 PM	16599
Xylenes, Total	ND	0.11		mg/Kg-dry	1	12/1/2014 2:52:51 PM	16599
Surr: 1,2-Dichloroethane-d4	104	70-130		%REC	1	12/1/2014 2:52:51 PM	16599
Surr: 4-Bromofluorobenzene	96.7	70-130		%REC	1	12/1/2014 2:52:51 PM	16599
Surr: Dibromofluoromethane	104	70-130		%REC	1	12/1/2014 2:52:51 PM	16599
Surr: Toluene-d8	99.8	70-130		%REC	1	12/1/2014 2:52:51 PM	16599

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: S.086242.112514.CB.B4-58-60
Project: Thoreau Compressor Station
Collection Date: 11/25/2014 11:50:00 AM
Lab ID: 1411B17-004 **Matrix:** SOIL **Received Date:** 11/26/2014 10:03:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dry	1	12/2/2014 4:02:34 PM	16598
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dry	1	12/2/2014 4:02:34 PM	16598
Surr: DNOP	89.6	63.5-128		%REC	1	12/2/2014 4:02:34 PM	16598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	19	5.2		mg/Kg-dry	1	12/1/2014 3:59:48 PM	16599
Surr: BFB	182	80-120	S	%REC	1	12/1/2014 3:59:48 PM	16599
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	6.5	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.052		mg/Kg-dry	1	12/1/2014 3:19:37 PM	16599
Toluene	ND	0.052		mg/Kg-dry	1	12/1/2014 3:19:37 PM	16599
Ethylbenzene	ND	0.052		mg/Kg-dry	1	12/1/2014 3:19:37 PM	16599
Xylenes, Total	ND	0.10		mg/Kg-dry	1	12/1/2014 3:19:37 PM	16599
Surr: 1,2-Dichloroethane-d4	102	70-130		%REC	1	12/1/2014 3:19:37 PM	16599
Surr: 4-Bromofluorobenzene	84.5	70-130		%REC	1	12/1/2014 3:19:37 PM	16599
Surr: Dibromofluoromethane	97.7	70-130		%REC	1	12/1/2014 3:19:37 PM	16599
Surr: Toluene-d8	90.3	70-130		%REC	1	12/1/2014 3:19:37 PM	16599

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: S.086242.112514.CB.B5-14-15.
Project: Thoreau Compressor Station
Collection Date: 11/25/2014 2:13:00 PM
Lab ID: 1411B17-005 **Matrix:** SOIL **Received Date:** 11/26/2014 10:03:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	11		mg/Kg-dry	1	12/2/2014 6:33:39 PM	16598
Motor Oil Range Organics (MRO)	ND	53		mg/Kg-dry	1	12/2/2014 6:33:39 PM	16598
Surr: DNOP	83.6	63.5-128		%REC	1	12/2/2014 6:33:39 PM	16598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.2		mg/Kg-dry	1	12/1/2014 4:28:33 PM	16599
Surr: BFB	99.0	80-120		%REC	1	12/1/2014 4:28:33 PM	16599
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	6.0	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.052		mg/Kg-dry	1	12/1/2014 3:46:20 PM	16599
Toluene	ND	0.052		mg/Kg-dry	1	12/1/2014 3:46:20 PM	16599
Ethylbenzene	ND	0.052		mg/Kg-dry	1	12/1/2014 3:46:20 PM	16599
Xylenes, Total	ND	0.10		mg/Kg-dry	1	12/1/2014 3:46:20 PM	16599
Surr: 1,2-Dichloroethane-d4	94.3	70-130		%REC	1	12/1/2014 3:46:20 PM	16599
Surr: 4-Bromofluorobenzene	93.7	70-130		%REC	1	12/1/2014 3:46:20 PM	16599
Surr: Dibromofluoromethane	98.4	70-130		%REC	1	12/1/2014 3:46:20 PM	16599
Surr: Toluene-d8	96.2	70-130		%REC	1	12/1/2014 3:46:20 PM	16599

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: S.086242.112514.CB.B5-56-58.
Project: Thoreau Compressor Station
Collection Date: 11/25/2014 4:13:00 PM
Lab ID: 1411B17-006 **Matrix:** SOIL **Received Date:** 11/26/2014 10:03:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	ND	12		mg/Kg-dry	1	12/2/2014 6:55:13 PM	16598
Motor Oil Range Organics (MRO)	ND	58		mg/Kg-dry	1	12/2/2014 6:55:13 PM	16598
Surr: DNOP	92.8	63.5-128		%REC	1	12/2/2014 6:55:13 PM	16598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	ND	5.7		mg/Kg-dry	1	12/1/2014 4:57:15 PM	16599
Surr: BFB	98.6	80-120		%REC	1	12/1/2014 4:57:15 PM	16599
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	16	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.057		mg/Kg-dry	1	12/1/2014 4:13:05 PM	16599
Toluene	ND	0.057		mg/Kg-dry	1	12/1/2014 4:13:05 PM	16599
Ethylbenzene	ND	0.057		mg/Kg-dry	1	12/1/2014 4:13:05 PM	16599
Xylenes, Total	ND	0.11		mg/Kg-dry	1	12/1/2014 4:13:05 PM	16599
Surr: 1,2-Dichloroethane-d4	98.9	70-130		%REC	1	12/1/2014 4:13:05 PM	16599
Surr: 4-Bromofluorobenzene	95.4	70-130		%REC	1	12/1/2014 4:13:05 PM	16599
Surr: Dibromofluoromethane	101	70-130		%REC	1	12/1/2014 4:13:05 PM	16599
Surr: Toluene-d8	96.0	70-130		%REC	1	12/1/2014 4:13:05 PM	16599

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: S.086242.112514.CB.B5-60-62
Project: Thoreau Compressor Station
Collection Date: 11/25/2014 4:30:00 PM
Lab ID: 1411B17-007 **Matrix:** SOIL **Received Date:** 11/26/2014 10:03:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **BCN**	
Diesel Range Organics (DRO)	7100	110		mg/Kg-dry	10	12/3/2014 9:16:19 AM	16598
Motor Oil Range Organics (MRO)	ND	570		mg/Kg-dry	10	12/3/2014 9:16:19 AM	16598
Surr: DNOP	0	63.5-128	S	%REC	10	12/3/2014 9:16:19 AM	16598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	7500	560		mg/Kg-dry	100	12/1/2014 5:25:58 PM	16599
Surr: BFB	192	80-120	S	%REC	100	12/1/2014 5:25:58 PM	16599
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	12	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	18	5.6		mg/Kg-dry	100	12/1/2014 4:39:58 PM	16599
Toluene	180	5.6		mg/Kg-dry	100	12/1/2014 4:39:58 PM	16599
Ethylbenzene	39	5.6		mg/Kg-dry	100	12/1/2014 4:39:58 PM	16599
Xylenes, Total	390	11		mg/Kg-dry	100	12/1/2014 4:39:58 PM	16599
Surr: 1,2-Dichloroethane-d4	103	70-130		%REC	100	12/1/2014 4:39:58 PM	16599
Surr: 4-Bromofluorobenzene	72.0	70-130		%REC	100	12/1/2014 4:39:58 PM	16599
Surr: Dibromofluoromethane	82.6	70-130		%REC	100	12/1/2014 4:39:58 PM	16599
Surr: Toluene-d8	103	70-130		%REC	100	12/1/2014 4:39:58 PM	16599

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Conestoga-Rovers & Associates
Client Sample ID: S.086242.112514.CB.B5-62-63
Project: Thoreau Compressor Station
Collection Date: 11/25/2014 4:40:00 PM
Lab ID: 1411B17-008 **Matrix:** SOIL **Received Date:** 11/26/2014 10:03:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8015D: DIESEL RANGE ORGANICS						Analyst: **JME**	
Diesel Range Organics (DRO)	370	12		mg/Kg-dry	1	12/2/2014 7:38:28 PM	16598
Motor Oil Range Organics (MRO)	ND	61		mg/Kg-dry	1	12/2/2014 7:38:28 PM	16598
Surr: DNOP	101	63.5-128		%REC	1	12/2/2014 7:38:28 PM	16598
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
Gasoline Range Organics (GRO)	240	59		mg/Kg-dry	10	12/1/2014 5:54:41 PM	16599
Surr: BFB	133	80-120	S	%REC	10	12/1/2014 5:54:41 PM	16599
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	18	1.0		wt%	1	12/1/2014 11:00:00 AM	R22872
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **cadg**	
Benzene	ND	0.59		mg/Kg-dry	10	12/1/2014 5:06:53 PM	16599
Toluene	6.5	0.59		mg/Kg-dry	10	12/1/2014 5:06:53 PM	16599
Ethylbenzene	1.2	0.59		mg/Kg-dry	10	12/1/2014 5:06:53 PM	16599
Xylenes, Total	14	1.2		mg/Kg-dry	10	12/1/2014 5:06:53 PM	16599
Surr: 1,2-Dichloroethane-d4	104	70-130		%REC	10	12/1/2014 5:06:53 PM	16599
Surr: 4-Bromofluorobenzene	86.6	70-130		%REC	10	12/1/2014 5:06:53 PM	16599
Surr: Dibromofluoromethane	89.8	70-130		%REC	10	12/1/2014 5:06:53 PM	16599
Surr: Toluene-d8	97.8	70-130		%REC	10	12/1/2014 5:06:53 PM	16599

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	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#: **1411B17**

05-Dec-14

Client: Conestoga-Rovers & Associates

Project: Thoreau Compressor Station

Sample ID	**MB-16598**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Diesel Range Organics**					
Client ID:	**PBS**	Batch ID:	**16598**	RunNo:	**22870**					
Prep Date:	**11/26/2014**	Analysis Date:	**12/2/2014**	SeqNo:	**675060**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		86.8	63.5	128			

Sample ID	**MB-16622**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Diesel Range Organics**					
Client ID:	**PBS**	Batch ID:	**16622**	RunNo:	**22870**					
Prep Date:	**12/2/2014**	Analysis Date:	**12/2/2014**	SeqNo:	**675142**	Units:	**%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.9		10.00		69.4	63.5	128			

Sample ID	**LCS-16622**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Diesel Range Organics**					
Client ID:	**LCSS**	Batch ID:	**16622**	RunNo:	**22870**					
Prep Date:	**12/2/2014**	Analysis Date:	**12/2/2014**	SeqNo:	**675163**	Units:	**%REC**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.6		5.000		71.0	63.5	128			

Sample ID	**LCS-16598**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Diesel Range Organics**					
Client ID:	**LCSS**	Batch ID:	**16598**	RunNo:	**22870**					
Prep Date:	**11/26/2014**	Analysis Date:	**12/2/2014**	SeqNo:	**675175**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	68.6	130			
Surr: DNOP	4.8		5.000		95.6	63.5	128			

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
O	RSD is greater than RSDlimit	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#: **1411B17**

05-Dec-14

Client: Conestoga-Rovers & Associates

Project: Thoreau Compressor Station

Sample ID	**MB-16599**	SampType:	**MBLK**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**PBS**	Batch ID:	**16599**	RunNo:	**22863**					
Prep Date:	**11/26/2014**	Analysis Date:	**12/1/2014**	SeqNo:	**674728**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.1	80	120			

Sample ID	**LCS-16599**	SampType:	**LCS**	TestCode:	**EPA Method 8015D: Gasoline Range**					
Client ID:	**LCSS**	Batch ID:	**16599**	RunNo:	**22863**					
Prep Date:	**11/26/2014**	Analysis Date:	**12/1/2014**	SeqNo:	**674729**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.1	65.8	139			
Surr: BFB	1000		1000		104	80	120			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1411B17**

05-Dec-14

Client: Conestoga-Rovers & Associates

Project: Thoreau Compressor Station

Sample ID **mb-16599**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **16599**	RunNo: **22864**
Prep Date: **11/26/2014**	Analysis Date: **12/1/2014**	SeqNo: **674748** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.46		0.5000		91.7	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.5	70	130			
Surr: Dibromofluoromethane	0.47		0.5000		94.3	70	130			
Surr: Toluene-d8	0.49		0.5000		97.9	70	130			

Sample ID **lcs-16599**	SampType: **LCS**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **LCSS**	Batch ID: **16599**	RunNo: **22864**
Prep Date: **11/26/2014**	Analysis Date: **12/1/2014**	SeqNo: **674765** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.050	1.000	0	91.2	70	130			
Toluene	0.79	0.050	1.000	0	78.7	70	130			
Surr: 1,2-Dichloroethane-d4	0.51		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		92.7	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		105	70	130			
Surr: Toluene-d8	0.45		0.5000		90.0	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
O	RSD is greater than RSDlimit	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: CONESTOGA-ROVERS Work Order Number: 1411B17 RcptNo: 1

Received by/date: AT 11/26/14

Logged By: **Anne Thorne** 11/26/2014 10:03:00 AM Anne Thorne

Completed By: **Anne Thorne** 11/26/2014 Anne Thorne

Reviewed By: IO 11/26/14

Chain of Custody

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

Log In

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

16. 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: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good	Yes			

Chain-of-Custody Record

Client: Conestoga-Rovers & Associates

Mailing Address: 6121 Indian School Rd
Albuquerque, NM 87110

Phone #: 505-884-0672

email or Fax#: BBackisch@craworld.com

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

Accreditation
☐ NELAP ☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush _____

Project Name: Thoreau Compressor Station

Project #: 02242

Project Manager: Bernie Backisch

Sampler: Cassie Brown

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1411817	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)	BTEX by 8260				Air Bubbles (Y or N)
11-24-14	1407	Soil	S-080242-112414-CB-B3-54-56.5	1 Jar	None	-001			X									X				
11-24-14	1450	Soil	S-080242-112414-CB-B3-58-60	1 Jar	None	-002			X									X				
11-25-14	1134	Soil	S-080242-112514-CB-B4-56-58	1 Jar	None	-003			X									X				
11-25-14	1150	Soil	S-080242-112514-CB-B4-58-60	1 Jar	None	-004			X									X				
11-25-14	1413	Soil	S-080242-112514-CB-B5-14-15.5	1 Jar	None	-005			X									X				
11-25-14	1613	Soil	S-080242-112514-CB-B5-56-58.5	1 Jar	None	-006			X									X				
11-25-14	1630	Soil	S-080242-112514-CB-B5-60-62	1 Jar	None	-007			X									X				
11-25-14	1640	Soil	S-080242-112514-CB-B5-62-63	1 Jar	None	-008			X									X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
11-25	1710	Cassie Brown			
				11/26/14	1003
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

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

December 09, 2014

Bernie Bockish
CRA
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672
FAX

RE: Thoreau Compressor Station OrderNo.: 1412002

Dear Bernie Bockish:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/1/2014 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. In order to properly interpret your results it is imperative that you review this report in its entirety. 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. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. 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.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

CLIENT: CRA
Client Sample ID: S-086242-112614-CB-Waste
Project: Thoreau Compressor Station
Collection Date: 11/26/2014 11:50:00 AM
Lab ID: 1412002-001 **Matrix:** SOIL **Received Date:** 12/1/2014 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 8082: PCB'S						Analyst: **SCC**	
Aroclor 1016	ND	0.022		mg/Kg-dry	1	12/5/2014 3:23:09 AM	16608
Aroclor 1221	ND	0.022		mg/Kg-dry	1	12/5/2014 3:23:09 AM	16608
Aroclor 1232	ND	0.022		mg/Kg-dry	1	12/5/2014 3:23:09 AM	16608
Aroclor 1242	ND	0.022		mg/Kg-dry	1	12/5/2014 3:23:09 AM	16608
Aroclor 1248	ND	0.022		mg/Kg-dry	1	12/5/2014 3:23:09 AM	16608
Aroclor 1254	ND	0.022		mg/Kg-dry	1	12/5/2014 3:23:09 AM	16608
Aroclor 1260	ND	0.022		mg/Kg-dry	1	12/5/2014 3:23:09 AM	16608
Surr: Decachlorobiphenyl	82.8	37.5-161		%REC	1	12/5/2014 3:23:09 AM	16608
Surr: Tetrachloro-m-xylene	56.8	28.1-149		%REC	1	12/5/2014 3:23:09 AM	16608
PERCENT MOISTURE						Analyst: **KJH**	
Percent Moisture	9.2	1.0		wt%	1	12/1/2014 12:30:00 PM	R22872
EPA METHOD 7471: MERCURY						Analyst: **MMD**	
Mercury	ND	0.037		mg/Kg-dry	1	12/3/2014 3:14:59 PM	16650
EPA METHOD 6010B: SOIL METALS						Analyst: **ELS**	
Arsenic	ND	2.8		mg/Kg-dry	1	12/7/2014 1:52:48 PM	16687
Barium	93	0.11		mg/Kg-dry	1	12/7/2014 1:52:48 PM	16687
Cadmium	ND	0.11		mg/Kg-dry	1	12/7/2014 1:52:48 PM	16687
Chromium	6.4	0.33		mg/Kg-dry	1	12/7/2014 1:52:48 PM	16687
Lead	1.6	0.28		mg/Kg-dry	1	12/7/2014 1:52:48 PM	16687
Selenium	ND	2.8		mg/Kg-dry	1	12/7/2014 1:52:48 PM	16687
Silver	ND	0.28		mg/Kg-dry	1	12/7/2014 1:52:48 PM	16687
EPA METHOD 8260B: TCLP COMPOUNDS						Analyst: **cadg**	
Benzene	ND	0.50		ppm	10	12/2/2014 1:00:23 PM	R22887
Surr: 1,2-Dichloroethane-d4	92.7	70-130		%REC	10	12/2/2014 1:00:23 PM	R22887
Surr: 4-Bromofluorobenzene	109	70-130		%REC	10	12/2/2014 1:00:23 PM	R22887
Surr: Dibromofluoromethane	91.5	70-130		%REC	10	12/2/2014 1:00:23 PM	R22887
Surr: Toluene-d8	107	70-130		%REC	10	12/2/2014 1:00:23 PM	R22887
EPA METHOD 418.1: TPH						Analyst: **JME**	
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	12/4/2014 12:00:00 PM	16604

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

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
O	RSD is greater than RSDlimit	P	Sample pH greater than 2.
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

December 05, 2014

Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

ESC Sample # : L736460-01

Date Received : December 02, 2014
Description :

Site ID :

Sample ID : 1412002-001B S-086242-112614-CB-WASTE

Project # :

Collected By :
Collection Date : 11/26/14 11:50

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Corrosivity	Non-Corrosive			9045D	12/05/14	1
Ignitability	See Footnote		Deg. F	D93/1010A	12/05/14	1
Reactive CN (SW846 7.3.3.2)	BDL	0.125	mg/kg	9012B	12/05/14	1
Reactive Sulf.(SW846 7.3.4.1)	BDL	25.	mg/kg	9034/9030B	12/03/14	1
Total Solids	84.6	0.100	%	2540 G-2011	12/04/14	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.

Reported: 12/05/14 11:00 Printed: 12/05/14 11:00
L736460-01 (IGNITABILITY) - Did Not Ignite @ 170 F

ESC
L·A·B S·C·I·E·N·C·E·S
YOUR LAB OF CHOICE

12065 Lebanon Rd.
Mt. Juliet, TN 37122
(615) 758-5858
1-800-767-5859
Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Hall Environmental Analysis Laboratory

4901 Hawkins NE

Albuquerque, NM 87109

Quality Assurance Report
Level II

L736460

December 05, 2014

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Reactive Sulf.(SW846 7.3.4.1)	< 25	mg/kg			WG757735	12/03/14 08:20
Total Solids	< .1	%			WG757906	12/04/14 07:34
Reactive CN (SW846 7.3.3.2)	< .125	mg/kg			WG757736	12/05/14 06:24

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Reactive Sulf.(SW846 7.3.4.1)	mg/kg	0.0	0.0	0.0	20	L736376-01	WG757735
Total Solids	%	83.9	84.6	0.790	5	L736460-01	WG757906
Reactive CN (SW846 7.3.3.2)	mg/kg	0.0	0.0	0.0	20	L736376-01	WG757736
Ignitability	Deg. F	0.00	0.00	0.00	10	L736660-01	WG758131
Corrosivity		0.0	0.0	0.0	10	L736252-02	WG758203

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Reactive Sulf.(SW846 7.3.4.1)	mg/kg	100	103.	103.	70-130	WG757735
Total Solids	%	50	50.0	100.	85-115	WG757906
Reactive CN (SW846 7.3.3.2)	mg/kg	.1	0.0955	95.5	50-150	WG757736
Ignitability	Deg. F	82	82.5	101.	93-107	WG758131
Corrosivity		5.9	5.87	99.5	98.3-101.7	WG758203

Laboratory Control Sample Duplicate

Analyte	Units	Result	Ref	%Rec	Limit	RPD	Limit	Batch
Reactive Sulf.(SW846 7.3.4.1)	mg/kg	98.4	103.	98.0	70-130	4.57	20	WG757735
Reactive CN (SW846 7.3.3.2)	mg/kg	0.0967	0.0955	97.0	50-150	1.25	20	WG757736
Ignitability	Deg. F	81.5	82.5	99.0	93-107	1.22	20	WG758131
Corrosivity		5.91	5.87	100.	98.3-101.7	0.679	10	WG758203

Batch number /Run number / Sample number cross reference

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412002**

09-Dec-14

Client: CRA

Project: Thoreau Compressor Station

Sample ID	**MB-16604**	SampType:	**MBLK**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**PBS**	Batch ID:	**16604**	RunNo:	**22891**					
Prep Date:	**12/1/2014**	Analysis Date:	**12/3/2014**	SeqNo:	**676317**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	ND	20								

Sample ID	**LCS-16604**	SampType:	**LCS**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS**	Batch ID:	**16604**	RunNo:	**22891**					
Prep Date:	**12/1/2014**	Analysis Date:	**12/3/2014**	SeqNo:	**676318**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	110	20	100.0	0	106	80	120			

Sample ID	**LCSD-16604**	SampType:	**LCSD**	TestCode:	**EPA Method 418.1: TPH**					
Client ID:	**LCSS02**	Batch ID:	**16604**	RunNo:	**22891**					
Prep Date:	**12/1/2014**	Analysis Date:	**12/3/2014**	SeqNo:	**676319**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Petroleum Hydrocarbons, TR	100	20	100.0	0	99.8	80	120	5.79	20	

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
O	RSD is greater than RSDlimit	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#: **1412002**

09-Dec-14

Client: CRA

Project: Thoreau Compressor Station

Sample ID	**MB-16608**	SampType:	**MBLK**	TestCode:	**EPA Method 8082: PCB's**					
Client ID:	**PBS**	Batch ID:	**16608**	RunNo:	**22924**					
Prep Date:	**12/1/2014**	Analysis Date:	**12/4/2014**	SeqNo:	**676874**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	ND	0.020								
Aroclor 1221	ND	0.020								
Aroclor 1232	ND	0.020								
Aroclor 1242	ND	0.020								
Aroclor 1248	ND	0.020								
Aroclor 1254	ND	0.020								
Aroclor 1260	ND	0.020								
Surr: Decachlorobiphenyl	0.040		0.06250		64.4	37.5	161			
Surr: Tetrachloro-m-xylene	0.032		0.06250		50.4	28.1	149			

Sample ID	**LCS-16608**	SampType:	**LCS**	TestCode:	**EPA Method 8082: PCB's**					
Client ID:	**LCSS**	Batch ID:	**16608**	RunNo:	**22924**					
Prep Date:	**12/1/2014**	Analysis Date:	**12/4/2014**	SeqNo:	**676875**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	0.056	0.020	0.1250	0	45.1	26.2	127			
Aroclor 1260	0.070	0.020	0.1250	0	56.3	36.6	122			
Surr: Decachlorobiphenyl	0.044		0.06250		70.8	37.5	161			
Surr: Tetrachloro-m-xylene	0.040		0.06250		64.8	28.1	149			

Sample ID	**LCSD-16608**	SampType:	**LCSD**	TestCode:	**EPA Method 8082: PCB's**					
Client ID:	**LCSS02**	Batch ID:	**16608**	RunNo:	**22924**					
Prep Date:	**12/1/2014**	Analysis Date:	**12/4/2014**	SeqNo:	**676876**	Units:	**mg/Kg**			

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Aroclor 1016	0.052	0.020	0.1250	0	41.7	26.2	127	7.93	22.6	
Aroclor 1260	0.069	0.020	0.1250	0	55.4	36.6	122	1.50	24	
Surr: Decachlorobiphenyl	0.042		0.06250		66.8	37.5	161	0	0	
Surr: Tetrachloro-m-xylene	0.032		0.06250		51.6	28.1	149	0	0	

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
O	RSD is greater than RSDlimit	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#: **1412002**

09-Dec-14

Client: CRA

Project: Thoreau Compressor Station

Sample ID **mb-16613**	SampType: **MBLK**	TestCode: **EPA Method 8260B: TCLP Compounds**
Client ID: **PBS**	Batch ID: **R22887**	RunNo: **22887**
Prep Date:	Analysis Date: **12/2/2014**	SeqNo: **675873** Units: **ppm**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Surr: 1,2-Dichloroethane-d4	0.54		0.5000		108	70	130			
Surr: 4-Bromofluorobenzene	0.46		0.5000		91.6	70	130			
Surr: Dibromofluoromethane	0.55		0.5000		110	70	130			
Surr: Toluene-d8	0.47		0.5000		93.4	70	130			

Sample ID **lcs-16613**	SampType: **LCS**	TestCode: **EPA Method 8260B: TCLP Compounds**
Client ID: **LCSS**	Batch ID: **R22887**	RunNo: **22887**
Prep Date:	Analysis Date: **12/2/2014**	SeqNo: **675874** Units: **ppm**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.050	1.000	0	94.0	70	130			
Surr: 1,2-Dichloroethane-d4	0.50		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.5	70	130			
Surr: Dibromofluoromethane	0.52		0.5000		104	70	130			
Surr: Toluene-d8	0.45		0.5000		90.4	70	130			

Sample ID **1412002-001ams**	SampType: **MS**	TestCode: **EPA Method 8260B: TCLP Compounds**
Client ID: **S-086242-112614-C**	Batch ID: **R22887**	RunNo: **22887**
Prep Date:	Analysis Date: **12/2/2014**	SeqNo: **675876** Units: **ppm**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.50	1.000	0	89.8	32.2	145			
Surr: 1,2-Dichloroethane-d4	4.5		5.000		90.8	70	130			
Surr: 4-Bromofluorobenzene	5.4		5.000		107	70	130			
Surr: Dibromofluoromethane	4.1		5.000		82.6	70	130			
Surr: Toluene-d8	5.1		5.000		102	70	130			

Sample ID **1412002-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8260B: TCLP Compounds**
Client ID: **S-086242-112614-C**	Batch ID: **R22887**	RunNo: **22887**
Prep Date:	Analysis Date: **12/2/2014**	SeqNo: **675877** Units: **ppm**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.50	1.000	0	94.5	32.2	145	5.18	20	
Surr: 1,2-Dichloroethane-d4	4.4		5.000		87.5	70	130	0	0	
Surr: 4-Bromofluorobenzene	5.2		5.000		104	70	130	0	0	
Surr: Dibromofluoromethane	4.2		5.000		83.5	70	130	0	0	
Surr: Toluene-d8	5.1		5.000		102	70	130	0	0	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412002**

09-Dec-14

Client: CRA

Project: Thoreau Compressor Station

Sample ID	**MB-16650**	SampType: **MBLK**			TestCode: **EPA Method 7471: Mercury**					
Client ID:	**PBS**	Batch ID: **16650**			RunNo: **22905**					
Prep Date:	**12/3/2014**	Analysis Date: **12/3/2014**			SeqNo: **676465**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	ND	0.033								

Sample ID	**LCS-16650**	SampType: **LCS**			TestCode: **EPA Method 7471: Mercury**					
Client ID:	**LCSS**	Batch ID: **16650**			RunNo: **22905**					
Prep Date:	**12/3/2014**	Analysis Date: **12/3/2014**			SeqNo: **676466**		Units: **mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.033	0.1667	0	99.3	80	120			

Sample ID	**1412002-001AMS**	SampType: **MS**			TestCode: **EPA Method 7471: Mercury**					
Client ID:	**S-086242-112614-C**	Batch ID: **16650**			RunNo: **22905**					
Prep Date:	**12/3/2014**	Analysis Date: **12/3/2014**			SeqNo: **676471**		Units: **mg/Kg-dry**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.034	0.1703	0	98.5	75	125			

Sample ID	**1412002-001AMSD**	SampType: **MSD**			TestCode: **EPA Method 7471: Mercury**					
Client ID:	**S-086242-112614-C**	Batch ID: **16650**			RunNo: **22905**					
Prep Date:	**12/3/2014**	Analysis Date: **12/3/2014**			SeqNo: **676472**		Units: **mg/Kg-dry**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Mercury	0.17	0.035	0.1791	0	96.4	75	125	2.91	20	

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1412002**

09-Dec-14

Client: CRA

Project: Thoreau Compressor Station

Sample ID	**MB-16687**	SampType:	**MBLK**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**PBS**	Batch ID:	**16687**	RunNo:	**22965**
Prep Date:	**12/5/2014**	Analysis Date:	**12/7/2014**	SeqNo:	**678157** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Lead	ND	0.25								
Selenium	ND	2.5								
Silver	ND	0.25								

Sample ID	**LCS-16687**	SampType:	**LCS**	TestCode:	**EPA Method 6010B: Soil Metals**
Client ID:	**LCSS**	Batch ID:	**16687**	RunNo:	**22965**
Prep Date:	**12/5/2014**	Analysis Date:	**12/7/2014**	SeqNo:	**678160** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	25	2.5	25.00	0	102	80	120			
Barium	25	0.10	25.00	0	100	80	120			
Cadmium	25	0.10	25.00	0	99.6	80	120			
Chromium	25	0.30	25.00	0	100	80	120			
Lead	24	0.25	25.00	0	96.7	80	120			
Selenium	25	2.5	25.00	0	100	80	120			
Silver	5.3	0.25	5.000	0	106	80	120			

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
O	RSD is greater than RSDlimit	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: CRA Albuquerque | Work Order Number: 1412002 | RcptNo: 1

Received by/date: AG 12/1/14

Logged By: **Celina Sessa** 12/1/2014 8:05:00 AM Celina Sessa

Completed By: **Celina Sessa** 12/1/2014 8:58:09 AM Celina Sessa

Reviewed By: 12/01/14

Chain of Custody

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

Log In

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

16. 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: _____

17. Additional remarks:

18. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Not Present			

Chain-of-Custody Record

Client: Conestoga-Rovers & Assoc.

Mailing Address: 6121 Indian School Rd
Alb. NM, 87110

Phone #: 505-884-0672

email or Fax#: BBozkisch@craworld.com

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

Accreditation
☐ NELAP ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Thoreau Compressor Station

Project #: 086242

Project Manager: Bernie Bozkisch

Sampler: Cassie Brown

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

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1412002	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)	TCLP Benzene	RCI	RCRA metals	PCB's	Air Bubbles (Y or N)
12.1.14	1150	Soil	B.086242.120114.CB.waste	Jar (4)	None	-001				X								X	X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
12/1/14	0805	Cassie Brown	[signature]	12/01/14	0805
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

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

Appendix C

Boring Logs

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.86", -108°14'04.22"

SOIL BORING NO: B-1
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/19/2014
DATE/TIME HOLE COMPLETED: 11/20/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
0					SP: Poorly graded sand- red, fine grained, some silt, dry			
					Fine to medium grained			
						0.8		
-5					Some reddish brown clay			
					Reddish brown, fine to medium grained, some silt and clay, moist, slight staining			
						0.1		
-10					Staining			

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.86", -108°14'04.22"

SOIL BORING NO: B-1
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/19/2014
DATE/TIME HOLE COMPLETED: 11/20/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-15						0.4		
-20					SW: Well graded sand- reddish brown, coarse to fine grain, some gravel	1.7		
					SM: Silty sand- reddish brown, fine grain, some clay, damp			
-25					SP: Poorly graded sand- reddish brown, fine grained, with silt and clay, trace medium to coarse sand, dry	0.3		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.86", -108°14'04.22"

SOIL BORING NO: B-1
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/19/2014
DATE/TIME HOLE COMPLETED: 11/20/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-30					Gray staining Alternating 3" intervals of silt and clay	0.4		
-35					Trace gravel Brownish gray, fine to medium grained, damp	4.3		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.86", -108°14'04.22"

SOIL BORING NO: B-1
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/19/2014
DATE/TIME HOLE COMPLETED: 11/20/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE / COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-40				CL: Lean clay- reddish gray, some silt and fine sand, wet	81.9		
				SW: Moderately well graded sand- fine to medium grained, some gravel and cobble *Encountered hard drilling and intermittent grinding- potential caliche*			
-45	X	B-1-44-45.5			1005	< 0.51	850.2
				CL: Lean clay with silt, trace sand			
				GM: Gravel with sand and silt			
-50				SP: Poorly graded sand- reddish brown, fine grained, sub-angular, trace fine gravel and clay	9.0		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.86", -108°14'04.22"

SOIL BORING NO: B-1
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/19/2014
DATE/TIME HOLE COMPLETED: 11/20/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
					Increase in clay content			
					Increase in coarse gravel content			
	X	B-1-54-55.5				0.6	< 0.052	< 70.2
-55					3" thick black staining			
	X	B-1-56-58				2001	< 1.0	2400
						1715		
					CL: Clay- red, very hard, dessicated, black staining			
-60	X	B-1-60-61.5			Red with blue mottling, hard, with clayey sand nodules, black staining	1832	< 1.2	1910

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.78", -108°14'05.05"

SOIL BORING NO: B-2
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/21/2014
DATE/TIME HOLE COMPLETED: 11/21/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
0					SP: Poorly graded sand- reddish brown, with silt, dry			
-5					SM: Silty sand- reddish brown, poorly graded, some fine gravel, dry	0.1		
					With clay			
-10						0.2		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.78", -108°14'05.05"

SOIL BORING NO: B-2
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/21/2014
DATE/TIME HOLE COMPLETED: 11/21/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-15					SC: Sandy clay- reddish brown, damp	0.0		
-20					SM: Silty sand- reddish brown, poorly graded, with clay and 2" gravel layer with medium to coarse sand, damp	0.1		
					SC: Sandy clay- fine grained, with silt			
-25					ML: Silt- reddish brown, with clay, trace fine sand, damp	0.1		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.78", -108°14'05.05"

SOIL BORING NO: B-2
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/21/2014
DATE/TIME HOLE COMPLETED: 11/21/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
					Clay content increases	0.1		
-30					CL: Clay- red, hard, some silt, damp			
-35					SP: Poorly graded sand- reddish brown, fine grained, poorly graded, with clay	0.1		
					Gravel noted in cuttings			

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.78", -108°14'05.05"

SOIL BORING NO: B-2
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/21/2014
DATE/TIME HOLE COMPLETED: 11/21/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-40					SW: Well graded sand- medium to coarse grained, sub-angular, with gravel, trace cobble, dry, some odor *Encountered hard drilling- potential caliche*	1090		
-45					SC: Sandy clay- fine to medium grained, moderately graded	19.8		
-50					SP: Poorly graded sand- reddish brown, fine grained, some clay	63		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.78", -108°14'05.05"

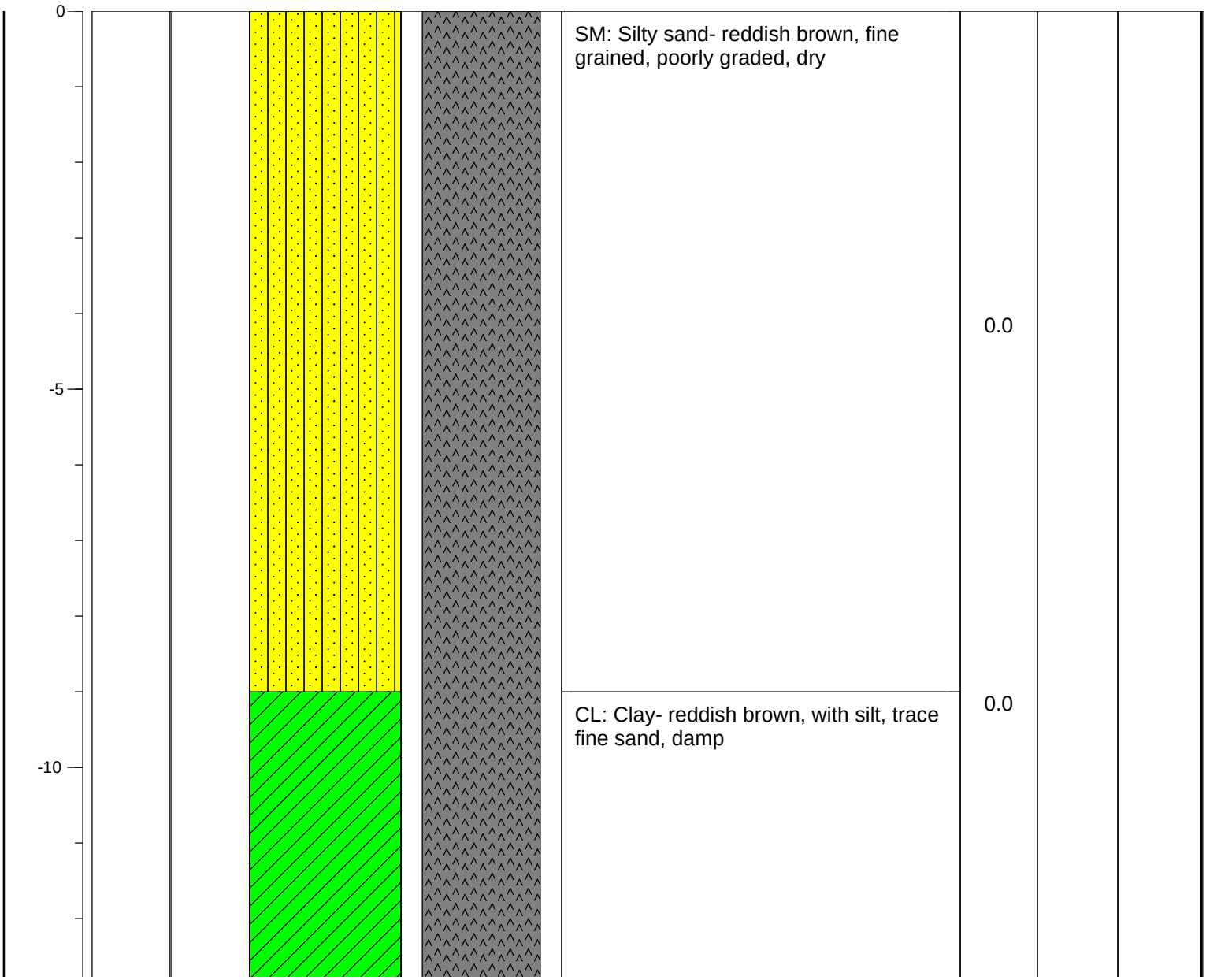
SOIL BORING NO: B-2
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/21/2014
DATE/TIME HOLE COMPLETED: 11/21/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE / COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
	X	B-2-54-55.5		ML: Silt- reddish brown, poorly graded, with fine sand, odor, moist	2.3	< 0.05	< 70
-55	X	B-2-55.5-57		Trace gravel	211.9	< 0.056	64
	X	B-2-57-58.5			1470	2.2	3540
					1047		
-60	X	B-1-60-62		CL: Clay- red with blue mottling, hard, trace limestone cobble, odor, top 3" moist Dry	1709	< 0.057	53

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'28.13", -108°14'01.21"

SOIL BORING NO: B-3
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/24/2014
DATE/TIME HOLE COMPLETED: 11/24/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
0					SM: Silty sand- reddish brown, fine grained, poorly graded, dry	0.0		
-5								
-10					CL: Clay- reddish brown, with silt, trace fine sand, damp	0.0		



PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'28.13", -108°14'01.21"

SOIL BORING NO: B-3
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/24/2014
DATE/TIME HOLE COMPLETED: 11/24/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-15					SM: Silty sand- reddish brown, fine grained, poorly graded, some clay	0.0		
-20					SW: Well graded sand- reddish brown, fine to coarse grained, subangular, with gravel	0.0		
-25					SM: Silty sand- reddish brown, fine grained, poorly graded, damp	0.0		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'28.13", -108°14'01.21"

SOIL BORING NO: B-3
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/24/2014
DATE/TIME HOLE COMPLETED: 11/24/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-30					SC: Interbedded clay and sand- reddish brown, fine to coarse grained sand, subangular, with gravel	0.1		
					Clayey sand- reddish brown, poorly graded sand			
-35					Gravels noted in cuttings	0.0		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'28.13", -108°14'01.21"

SOIL BORING NO: B-3
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/24/2014
DATE/TIME HOLE COMPLETED: 11/24/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-40					SP: Poorly graded sand- fine grained, trace cobbles	0.2		
					Yellow, fine to medium grained, well rounded, dry Encountered hard drilling, approximately 3" caliche in sample	0.1		
-45								
-50					SM: Silty sand- reddish brown, fine grained, poorly graded, trace limestone cobbles, moist	0.0		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'28.13", -108°14'01.21"

SOIL BORING NO: B-3
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/24/2014
DATE/TIME HOLE COMPLETED: 11/24/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-55	X	B-3-54-55.5			Moist to wet Clay content increases	0.1 0.0	< 0.058	< 79.8
-60	X	B-3-58-60			CL: Clay- blue mottling, hard, dry	4.8	< 0.056	< 76.6

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'28.00", -108°14'03.13"

SOIL BORING NO: B-4
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/25/2014
DATE/TIME HOLE COMPLETED: 11/25/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
0					SP: Silty sand- reddish brown, fine grained, poorly graded			
					Trace coarse sand, dry			
						0.0		
-5								
					Damp	0.0		
-10								

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'28.00", -108°14'03.13"

SOIL BORING NO: B-4
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/25/2014
DATE/TIME HOLE COMPLETED: 11/25/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-15					With clay	0.0		
-20						0.0		
-25					SP: Poorly graded sand- reddish brown, fine grained, some silt and clay, dry	0.0		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'28.00", -108°14'03.13"

SOIL BORING NO: B-4
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/25/2014
DATE/TIME HOLE COMPLETED: 11/25/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-30					Medium to coarse grained, no fine grained sand, subrounded	0.1		
-35					Fine to medium grain, trace gravels, damp	0.0		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'28.00", -108°14'03.13"

SOIL BORING NO: B-4
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/25/2014
DATE/TIME HOLE COMPLETED: 11/25/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-40					SW: Well graded sand- reddish brown, fine to coarse grained, subangular, with gravel	0.1		
-45					SM: Silty sand- reddish brown, fine grained, poorly graded	0.0		
-50					Damp	0.0		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'28.00", -108°14'03.13"

SOIL BORING NO: B-4
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/25/2014
DATE/TIME HOLE COMPLETED: 11/25/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-55						0.1		
	X	B-4-56-58				158.6	< 0.054	< 75.4
					CL: Clay- red with blue mottling, hard, very stiff, 3" limestone layer in sample Moist			
	X	B-4-58-60				2.2	< 0.052	19
-60								

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.39", -108°14'04.41"

SOIL BORING NO: B-5
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/25/2014
DATE/TIME HOLE COMPLETED: 11/25/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
0					SM: Silty sand- reddish brown, fine grained, poorly graded, dry			
-5						2.7		
-10						26		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.39", -108°14'04.41"

SOIL BORING NO: B-5
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/25/2014
DATE/TIME HOLE COMPLETED: 11/25/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-15	X	B-5-14-15.5				308	< 0.052	< 69.2
-20					SP: Poorly graded sand- reddish brown, fine grained, some silt, trace coarse gravel, dry	9		
					With silt and clay			
-25					Fine to medium grained, some silt and	1.5		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.39", -108°14'04.41"

SOIL BORING NO: B-5
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/25/2014
DATE/TIME HOLE COMPLETED: 11/25/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-30					clay, some limestone cobbles and gravels	53		
-35					SM: Silty sand- reddish brown, fine grained, poorly graded, dry	4.9		

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.39", -108°14'04.41"

SOIL BORING NO: B-5
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/25/2014
DATE/TIME HOLE COMPLETED: 11/25/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
-40					SW: Well graded sand- reddish brown, fine to coarse grained, with silt and gravel, dry	1.8		
-45					SP: Poorly graded sand- reddish brown, fine grained, with silt, some clay, damp	1.6		
					Decrease in clay content, moist	67		
-50								

PROJECT NAME: TWP Thoreau Compressor Station #5
LOCATION: Thoreau, New Mexico
FIELD LOGGED BY: Cassie Brown
SURFACE ELEVATION (msl): No Survey Data Available
GROUNDWATER ELEVATION (msl): N/A
REMARKS:
COORDINATES: 32°25'27.39", -108°14'04.41"

SOIL BORING NO: B-5
DRILL TYPE: CME-75
Hollow Stem Auger
BORE HOLE DIAMETER: 7 7/8"
DRILLED BY: Enviro-Drill, Inc.
DATE/TIME HOLE STARTED: 11/25/2014
DATE/TIME HOLE COMPLETED: 11/25/2014

DEPTH (bgs) - ft	SAMPLE TO LAB	SAMPLE ID	STRATAGRAPHIC SEQUENCE	COMPLETION INFORMATION	CLASSIFICATION AND DESCRIPTION	PID (ppm)	Benzene (mg/kg)	Total TPH (mg/kg)
					Increase in clay content			
					Wet			
					Increase in clay content, with limestone gravel, some staining	15		
-55								
	X	B-5-56-58.5				31	< 0.057	< 75.7
						2553		
-60	X	B-5-60-62				1948	18	14600
	X	B-5-62 63			CL: Clay- hard, dry, with blue mottling	2110	< 0.59	610

Appendix D

Soil Cutting Waste Disposal Documentation

This Memorandum is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. 001

Carrier No. N/A

Page 1 of 1

Industrial Ecosystems (Name of carrier) (SCAC)

Date 1/27/15

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:

Consignee Industrial Ecosystems

Street 49 CR 3150

City Aztec State NM Zip Code 87410

FROM: Shipper Energy Transfer Thoreau Compressor Station 5

Street ~1.5 miles north-northwest of Thoreau, New Mexico

City McKinley County State NM Zip Code

24 hr. Emergency Contact Tel. No.

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
3 DM		NON DOT-Regulated Material (soil)	2900 lbs			
1 DM		NON DOT-Regulated Material (water)	27 gallons			

PLACARDS TENDERED: YES ☐ NO ☐

Note — (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property, as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

_____ (Signature of Consignor)

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER Energy Transfer

PER [signature] on behalf of Energy Transfer

CARRIER [signature]

PER

DATE 1/27/15

3

Permanent post-office address of shipper.

Appendix E

Monitor Well Drilling and Plug and Abandonment Permits

Navajo Water Code Administration
Department of Water Resources
P.O. Box 678
Fort Defiance, Arizona 86504
Website: www.watercode.navajo-nsn.gov
Phone: (928) 729-4132 Fax: (928) 729-4421

15.004

Well Drilling Permit (WDP) NO:_____

REFERENCE WUP No:_____

VALID: 11/7/14 **TO** 8/31/15

WATER WELL DRILLING APPLICATION/PERMIT
TRIBAL WELL NO:_____

DRILLER'S NAME Envirodrill, Inc. PHONE NO: 505-857-9876

ADDRESS: 8305 Washington Pl. NE

CITY: Albuquerque STATE: New Mexico ZIP: 87113

LICENSE NO: WD-1186 CONTACT PERSON: Rodney Hammer

APPLICATION/PERMIT TO: (X) DRILL ( ) RE-DRILL ( ) RE-CASE ( ) DEEPEN

WELL USE: ( ) DOMESTIC ( ) AGRICULTURE/LIVESTOCK ( ) INDUSTRIAL/MINING
( ) MUNICIPAL ( ) RECREATIONAL (X) OTHER Monitoring

PROPOSED: WELL DEPTH appr. 70 FT WELL DIA. 8 IN CASING DIA. 2 IN
WEIGHT OF CASING_____ LBS/FT PRODUCTION CAPACITY_____ GPM

DRILLING METHOD Hollow Stem Auger

PROPOSED DRILLING DATES: START 11 / 17 / 2014 COMPLETION 12 / 31 / 2015

LOCATION: CHAPTER NAME: Thoreau GRAZING DISTRICT 16

ATTACH AN 8 ½" X 11" TOPO MAP SHOWING THE LOCATION OF DRILLING

APPLICANT AGREES, AS A CONDITION AND CONSIDERATION FOR THE PERMIT, TO PROVIDE THE WATER CODE ADMINISTRATION, AT NO COST TO THE WCA, THE FOLLOWING INFORMATION UPON COMPLETION OF THE WELL:

- **A:** **A COMPLETED TRIBAL "WELL RECORD" FORM WITH SUMMARY DRILLER'S LOG INFORMATION AND GEOLOGIC FORMATIONS IDENTIFIED. (See last 2 pages of this form.)**
- **B:** **COPIES OF ALL WELL LOGS**
- **C:** **COPIES OF ALL CHEMICAL & BIOLOGICAL ANALYSES**

APPLICANT AGREES, AS A CONDITION FOR THE PERMIT, TO REASONABLE ACCESS TO, ENTRY UPON, AND INSPECTION OF THEIR PROJECT PREMISES BY NAVAJO NATION EMPLOYEES ENGAGED IN ADMINISTRATION OF THIS PERMIT.

APPLICANT NAME: Cassie Brown for Energy Transfer

ADDRESS: 6121 Indian School Rd NE Ste 200 CITY: Albuquerque STATE: New Mexico

TELEPHONE NUMBER: (505) 884-0672 ZIP: 87110

FAX NUMBER: 505-884-4932 E-MAIL cmbrown@craworld.com

APPLICANT'S SIGNATURE: Cassie Brown DATE: 10/23/14

WDP NO: 15.004

REF. WUP NO. _____

CONDITIONS!

The following data MUST BE furnished to the Water Code Administration within 30 days of completion of the well:

1. **Driller's log;**
2. **Stratigraphic log (if done on the well);**
3. **Copies of all electric logs;**
4. **Any completed water quality analyses, including TDS, heavy metals, radionuclides, e-coli, total coliforms, VOCs, and so on;**
5. **Copy of completed well design and construction showing casing and well screen settings, gravel pack, and packer settings;**
6. **Cement bonding log;**
7. **Pump test data, recovery rates, static water level, etc.**
8. **Copies of any additional special tests conducted on the well.**
9. **Placing a well in service without submittal of the above information will result in a penalty, and may include fines, forfeiture of the well, and other appropriate measures.**
10. **Well may be utilized by local livestock permit holders in the area.**

A water use permit is required to withdraw water from the new well, and such permit will only be valid if the appropriate data noted above have been supplied.

RECOMMENDATIONS

GRAZING COMMITTEE MEMBER/ DISTRICT LAND BOARD MEMBER ( ) YES( ) NO N.A. DATE ___/___/___

CHAPTER COUNCIL DELEGATE ( ) YES( ) NO N.A. DATE ___/___/___

for: WATER CODE ADMINISTRATOR (✓) YES( ) NO Jack Stanley DATE 11/6/14

TECHNICAL REVIEWER (✓) YES( ) NO Jack Stanley DATE 11/6/14

APPROVED: _____ DATE 11/6/14

Director, Department of Water Resources

WELL RECORD

15.004

Navajo Water Code Administration
Department of Water Resources
P.O. Box 678
Fort Defiance, Arizona 86504

WDP NO:_____

REF. WUP NO:_____
WELL NO: _____TBA

LOCATION

7.5 min. quad name:_____Quad no._____Grazing Dist._____

State:_____County:_____ Chapter:_____

Approx. location:_____

UTM Coordinates: X (East):_____ Y (North):_____ Zone:_____

STRUCTURE

Date begun:___/___/___ Date completed:___/___/___ Date depth measured:___/___/___

Elevation:_____ ft. Total Depth:_____ ft. Hole Diameter(s):_____

Casing Diameter:_____ in. From:_____ ft. to_____ ft. Material:_____
Casing Diameter:_____ in. From:_____ ft. to_____ ft. Material:_____
Casing Diameter:_____ in. From:_____ ft. to_____ ft. Material:_____
Casing Diameter:_____ in. From:_____ ft. to_____ ft. Material:_____

Perforations [ ] Screen [ ] (type:_____) Open Hole [ ] From:_____ ft. to _____ ft.
Perforations [ ] Screen [ ] (type:_____) Open Hole [ ] From:_____ ft. to _____ ft.
Perforations [ ] Screen [ ] (type:_____) Open Hole [ ] From:_____ ft. to _____ ft.
Perforations [ ] Screen [ ] (type:_____) Open Hole [ ] From:_____ ft. to _____ ft.
Perforations [ ] Screen [ ] (type:_____) Open Hole [ ] From:_____ ft. to _____ ft.

Funded By:_____ Contractor:_____

Site Improvements:_____

Type of Lift:_____ Energy Source:_____ Pump HP:_____

HYDROLOGY

Well Yield:_____ gallons/minute (GPM) Date Yield Measured:___/___/___

Test Type:_____ Test rate:_____ GPM for _____ hours (Attach copy of well test data.)

Test Date:___/___/___ SWL at Beginning of Test:_____ ft. Total Drawdown:_____ ft.

Specific Capacity:_____ GPM per ft. Recovery:_____ ft. after _____ hours.

Logs Available (attach copies): [ ] Driller's [ ] Geophysical [ ] Other

Water Chemistry Analysis Available (attach copies): [ ] Yes [ ] No

Static Water Level (SWL):___ ft. Date:___/___/___ SWL._____ ft. Date:___/___/___

WELL RECORD

Navajo Water Code Administration
Department of Water Resources
P.O. Box 678
Fort Defiance, Arizona 86504

WDP NO: 15.004

REF WUP NO: _____

WELL NO: _____ TBA

LOG

DEPTH (FT)

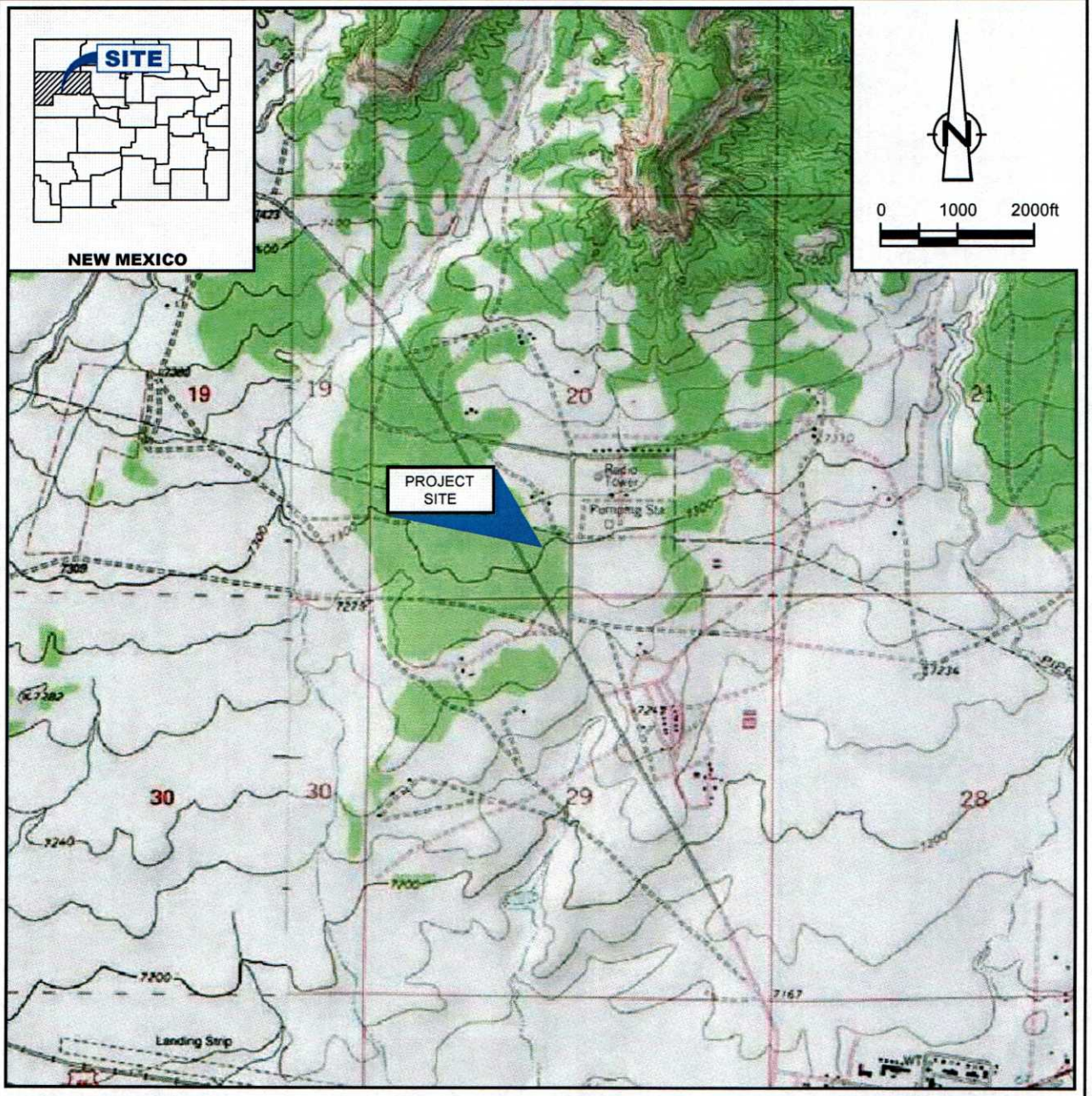
FROM	TO	FORMATION DESCRIPTION	GEOLOGIC UNIT	REMARKS

Additional Comments: _____

_____

_____ *revised 9/96; reviewed 9/12*

15.004



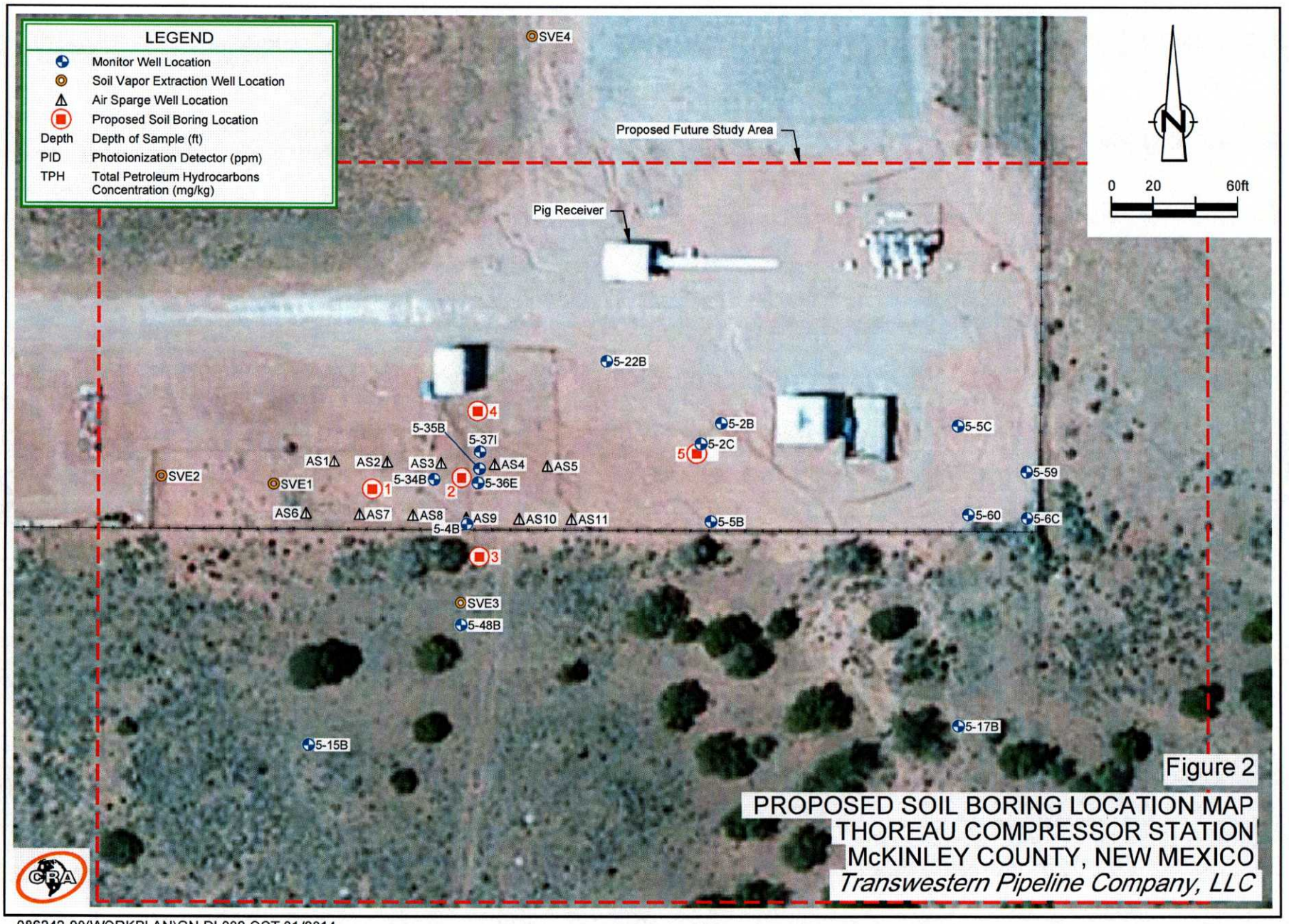
SOURCE: USGS 7.5 MINUTE QUAD
"BELL LAKE AND TIP TOP WELLS, NEW MEXICO"

LAT/LONG: 35.4262° NORTH, 108.2360° WEST
COORDINATE: NAD83 DATUM, U.S. FOOT
STATE PLANE ZONE - NEW MEXICO WEST

Figure 1

SITE LOCATION MAP
THOREAU COMPRESSOR STATION
McKINLEY COUNTY, NEW MEXICO
Transwestern Pipeline Company, LLC

086242-00(002)GN-DL001 JUN 5/2014



086242-00(WORKPLAN)GN-DL002 OCT 21/2014

15-004

Boring Locations for Drilling Permit
Energy Transfer Thoreau Compressor Station
Thoreau, New Mexico

Boring #	Rig type	Boring Diameter (in)	Total Depth (feet bgs)	Approx. Groundwater level (feet bgs)	Approx. Latitude (N)	Approx. Longitude (W)
B-1	Hollow Stem Auger	8	up to 70	50 - 60	35°25'27.78"	108°14'05.05"
B-2	Hollow Stem Auger	8	up to 70	50 - 60	35°25'27.86	108°14'04.22"
B-3	Hollow Stem Auger	8	up to 70	50 - 60	35°25'27.39	108°14'04.41"
B-4	Hollow Stem Auger	8	up to 70	50 - 60	35°25'28.13	108°14'04.21"
B-5	Hollow Stem Auger	8	up to 70	50 - 60	35°25'28.00"	108°14'03.13"

All borings are non-artesian and breach only one aquifer

bgs = below ground surface
TD = Total Depth

15 004

Appendix F

Monitor Well Plug and Abandonment Photo Log

Photo 1. Facing south, of MW-5-23B prior to abandonment.

Photo 2. View facing west, of MW-5-2B prior to abandonment.

Photo 3. Photo facing south, toward MW-5-24B of well pad broken up for removal.

Photo 4. Photo facing southwest; of MW-5-41B following well pad removal.

Photo 5. Photo facing south, of MW-5-24B plugged and abandoned.

Photo 6. Photo facing south, of MW-5-12B plugged and abandoned.