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ANNUAL GROUNDWATER MONITORING REPORT

Gladiola Station
Lea County
Tatum, New Mexico

OCD No. AP038

Annual Groundwater Monitoring Report

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Tatum, NM
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Prepared for:

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February 28, 2013

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1. INTRODUCTION

The Gladiola Station crude oil pipeline release site (Site) is located in eastern Lea County, New Mexico. A Site Location Map is included as **Figure 1**. The legal description of the Site is the SE ¼ of Section 5, T12S, R38E. The location of the initial release is south of Tank # 2857. A Site Map is included as **Figure 2**. The Site consists of approximately 0.54 acres and was operated as a crude oil pipeline pumping station by ExxonMobil Pipeline Company until its purchase by Trojan Pipeline L.P. (Trojan) in February 2004. Trojan changed their name to Centurion Pipeline L.P. (Centurion) in July 2004. The Site is currently operated by Centurion.

The initial release occurred on November 18, 2002 and was the result of the former western sump overflow/bleeder valve leak, located to the northeast of MW-1. A Leak, Maintenance and Exposed Pipe Report dated November 18, 2002 indicated the crude oil release consisted of 15 barrels lost and five barrels recovered.

Centurion reported a release of crude oil on May 21, 2007 from a strainer valve failure which caused the eastern sump, located to the north of MW-2, to overfill. Soil remediation activities, including excavation, were conducted from May 18 through June 27, 2007. In a letter dated April 2, 2009, Conestoga-Rovers and Associates, on behalf of Centurion, recommended no further action be conducted related to the May 2007 release. Based upon groundwater monitoring data collected by Kleinfelder during 2008 and 2009, it was reported that hydrocarbon impact related to the Centurion May 2007 release was still present on the Site.

In January 2010, ExxonMobil retained the services of Groundwater and Environmental Services, Inc. (GES) as the new environmental consultant for the Site. Due to access negotiations with the offsite owner, GES was not able to start performing monitoring activities until October 2011. This report summarizes activities conducted from October 2011 to October 2012.

2. PREVIOUS SOIL AND GROUNDWATER INVESTIGATION ACTIVITIES

The initial remedial excavation activities were conducted at the Site by E.D. Walton in August 2003. After completion of the excavation, a soil boring investigation was also conducted in August 2003 by B&H Maintenance and Construction. These activities were documented in the *Soil Coring Investigation Report.*

BNC Environmental Services conducted soil and groundwater assessment activities in 2004 and installed three monitoring wells. Soil hydrocarbon concentrations were above the New Mexico Oil Conservation Division (NMOCD) regulatory guidelines and groundwater hydrocarbon concentrations were above the New Mexico Water Quality Control Commission (NMWQCC) regulatory guidelines in all three monitoring wells. A water well search was conducted in 2004 and did not identify water wells located on the Gladiola Station property or land immediately adjacent to the Site.

In 2006, seven (7) new groundwater monitoring wells were installed and two (2) new soil borings were completed by Conestoga-Rovers and Associates. In addition, a site-wide groundwater monitoring and sampling event was conducted. Soil samples from four of the newly-drilled monitoring wells contained concentrations of TPH that exceeded NMOCD soil recommended

remediation action levels (RRALs). Light non-aqueous phase liquid (LNAPL) was also encountered in the three wells installed in 2004; MW-1 through MW-3. Groundwater samples collected from eight of the ten wells contained hydrocarbons in excess of NMWQCC regulatory limits in seven of the monitoring wells (MW-1 through MW-5, MW-7, and MW-10).

Monitoring wells MW-11 through MW-16 were installed in April 2008 for hydrocarbon plume delineation. Kleinfelder supervised the installation. Soil samples collected during installation exceeded TPH NMOCD RRALs in three of the westernmost borings (MW-13, MW-14, and MW-15). Groundwater monitoring activities were conducted in April 2008 through February 2009. Six of the groundwater samples collected in February 2009 exceeded the NMWQCC regulatory limits.

In addition, Kleinfelder oversaw the installation of monitoring wells MW-17 through MW-21, which were installed in August 2009.

3. REGULATORY FRAMEWORK AND SITE CLASSIFICATION

The NMOCD has regulatory jurisdiction over oil and gas production operations including crude oil pipeline releases and closure activities in the State of New Mexico. This investigation was conducted in accordance with a "revised Stage 1 Abatement Plan," submitted to the NMOCD on March 2, 2006. The NMOCD requires that soil impacted by a crude oil release by remediated in such a manner that the potential for future impacts to groundwater or the environment are minimized. The NMOCD hydrocarbon soil remediation levels are determined by ranking criteria on a site-by-site basis, outlined in the NMOCD Guidelines for Remediation of Spills, Leaks, and Releases dated August 13, 1993. The ranking criteria are based on three site characteristics: depth to groundwater; wellhead protection; and distance to surface water.

The NMOCD guidelines require groundwater to be analyzed for potential contaminants as defined by NMWQCC regulatory limits. Human health standards for groundwater with total dissolved solids (TDS) concentration of less than 10,000 milligrams per liter (mg/L) can be found in New Mexico Administrative Code (NMAC) 20.6.2.3103, sections A and B.

A water well search was conducted on May 28, 2008. According to the New Mexico Office of the State Engineer Water Administration Technical Engineering Resource System database, eighteen (18) wells are located within approximately one mile of the Site. Three of those wells are within 2,000 feet of the Site. Two were natural resource exploratory wells (likely petroleum exploration) and one was installed as a livestock watering well. According to the Water Administration Technical Engineering Resource System database, no wells are located within 1,000 feet of the Site.

Kleinfelder contacted Mr. Tommy Burrus on March 13 and April 15, 2009, an adjacent property owner, to obtain information regarding water well locations and usage. According to Mr. Burrus, water supply wells are located as indicated below:

LOCATION	USAGE	OWNER
Approximately 0.5 miles to the northeast	Livestock watering well	Tommy Burrus
Between approximately 0.5-0.75 miles to the southeast	Livestock watering well	Tommy Burrus
Approximately 0.4 miles to the east	Domestic well at an abandoned ranch (no longer in use)	Tommy Burrus
Between approximately 0.5-0.75 miles to the northwest	Livestock watering well	Clinton Houston

Data collected during the soil and groundwater assessments indicated that the depth-to-groundwater at the Site ranges from approximately 26 to 35 feet below ground surface (bgs), that the site is not within 1,000 feet of a wellhead protection area, and surface water is more than 1,000 feet from the site. This gives the Site a ranking criteria score of 20 as summarized below:

CHARACTERIZATION	SELECTION	SCORE
Depth to Groundwater	<50 feet	20
Wellhead Protection Area	>1,000 feet	0
Distance to Surface Water	>1,000 feet	0

Total Score = 20

Based on a total score of 20, the following soil hydrocarbon RRALs apply to this site:

Contaminant of Concern	RRALs (mg/kg)
Benzene	10
Total BTEX	50
TPH	100

mg/kg = milligrams per kilogram

Groundwater samples collected as part of assessment activities were evaluated using New Mexico Water Quality Control Commission (NMWQCC) regulatory limits for the following analytical parameters:

Contaminant of Concern	Concentration (mg/L)
Benzene	0.01
Toluene	0.75
Ethylbenzene	0.75
Total Xylenes	0.62
Benzo (a) pyrene	0.0007
Total Naphthalene[1]	0.030
Arsenic	0.1
Barium	1.0
Cadmium	0.01

Chromium	0.05
Lead	0.05
Mercury	0.002
Selenium	0.05
Silver	0.05

[1] Total Naphthalene = naphthalene + 1-methylnaphthalene + 2-methylnaphthalene

4. OFFSITE ACCESS

As noted above, GES became the consultant for this site in January 2010. However, the existing access agreement was between the previous consultant (Kleinfelder) and the offsite owner (Tommy and Sarah Burrus). A new access agreement was negotiated between ExxonMobil and Tommy and Sarah Burrus. The access agreement was executed in September 2011, which granted access to their property to sample existing monitoring wells and/or install additional soil borings or monitoring wells.

5. SUBSURFACE INVESTIGATION

Based on the groundwater data through 2009, it appeared additional subsurface assessment was warranted at the Site. In particular, there appeared to be a potential gap in delineation to the north (between MW-20 and MW-22). Additionally, the presence of light non-aqueous phase liquid (LNAPL) located in wells west/northwest (and cross-gradient with respect to groundwater flow direction) of the original release point indicated there may be a separate release condition in this area. The subsurface assessment was intended to address these concerns. The assessment was separated into two (2) investigations: 1) install soil borings/temporary monitoring wells and to collect soil and groundwater samples; and 2) based on the data from the temporary monitoring wells, install permanent monitoring wells for delineation and source identification purposes. The two events are discussed in detail in Section 5.1.

5.1. October 2011 Soil Boring/ Temporary Monitoring Well Installation

On October 26-27, 2012, GES advanced seven (7) soil borings at the Site. These soil borings were identified as SB-1 through SB-7 and can be referenced on the Soil Boring Location Map, which is included as **Figure 3**. These soil borings were advanced to depths from 43 feet bgs (SB-4) to 45 feet bgs. The borings were advanced using an air rotary drilling rig. Groundwater was observed at depths ranging from 25 to 35 feet bgs. The soil boring logs are included as **Appendix A**.

Prior to drilling, GES met with Centurion personnel to ensure the boring locations were not near pipelines or known utilities. The utility notification service was also notified at least 48 hours prior to drilling activity. Prior to drilling, each soil boring location was probed and hand-cleared to at least five (5) feet bgs. The drilling equipment and sampling tools were steam cleaned prior to drilling at the Site and between borings.

Soil samples were generally collected and logged every 5-10 feet (if not on very hard material where in situ samples could not be collected) and field screened with a photo-ionization detector

(PID) via the heated-headspace method. The drill cuttings generated during the assessment were placed in 55-gallon steel drums stationed onsite pending disposal at an appropriate disposal facility (discussed in Section 12).

In general, the first 15 feet are composed of hardpacked, dry, tan silt. From 15 to 20 feet, fine, dry, tan to light brown sand is predominant. From 20 to 40 feet, a layer of hard, dry, tan chert is present. Below 40 feet is primarily red, wet, silty clay.

Two soil samples were collected via split spoon from each of the seven soil borings installed on site, ranging from 15-17 to 38-40 feet bgs. In order to minimize the potential for cross-contamination, the split spoon was deconed after each well. The samples were collected via disposable plastic bags, which were only used once per well.

The soil samples were placed in clean, method specific, properly preserved, laboratory provided sample jars. The sample jars were labeled in the field with the well designation, project name, date, and laboratory and were placed in sealed zip locked bags. The samples were immediately placed in ice-filled coolers with enough room to allow for even distribution of the ice around the samples. The sample coolers were sealed with a custody seal and submitted to TestAmerica Laboratories, Inc. (TestAmerica) in Nashville, Tennessee under chain-of-custody protocol. The samples were analyzed for the following constituents:

- Volatile Organic Compounds (VOCs) via EPA Method 8260B; and
- TPH-GRO and TPH-DRO via EPA Method 8015B.

The laboratory analytical package for the soil monitoring events is included in **Appendix B**. The soil analytical results are summarized in **Table 1** and a map illustrating the distribution of soil chemical of concern (COC) concentrations is included in **Figure 4**. Soil COC concentrations were reported in excess of NMOCD RRALs in samples collected from SB-3. Specifically, the samples collected at depths 30-32 feet bgs and 35-37 feet bgs exceeded the limit for total TPH. Total TPH concentrations ranged from below detection limits to 293.3 mg/kg at 30-32 feet bgs in SB-3. All other COCs were below NMOCD RRALs.

Following the completion of the soil borings, temporary wells were installed and developed at each location. The temporary wells were constructed of 2-inch polyvinyl chloride (PVC) screen and riser and filter sand was placed around the annulus of the screen interval. The purged water was properly stored in 55-gallon steel drums and secured at the site pending disposal at an approved site (discussed in Section 10). Following the collection of the groundwater samples, the temporary wells were removed and the boring locations were plugged with grout to two (2) feet bgs and backfilled with native soils for the remaining two (2) feet.

The temporary monitoring wells (SB-1 through SB-7) were gauged and sampled on October 28, 2012. Prior to beginning monitor well purging and groundwater sample collection activities, static fluid levels were measured using an electronic interface probe. None of the temporary monitoring wells had measurable LNAPL. The interface probe was decontaminated prior to beginning the survey and between each location. Decontamination procedures included an Alconox ® rinse followed by a double rinse with distilled water. After recording the fluid levels, three well volumes were purged via submersible pump and/or hand bailers from each temporary well. In order to minimize the potential for cross-contamination, new tubing was used at each

well and the submersible pump was deconed after each well. The samples were collected via dedicated disposable bailers.

The groundwater samples were placed in clean, method specific, properly preserved, laboratory provided sample bottles. The sample bottles were labeled in the field with the well designation,

project name, date, and laboratory and were placed in sealed zip locked bags. The samples were immediately placed in ice-filled coolers with enough room to allow for even distribution of the ice around the samples. The sample coolers were sealed with a custody seal and submitted to TestAmerica in Nashville, Tennessee under chain-of-custody protocol. The samples were analyzed for the following constituents:

- Volatile Organic Compounds (VOCs) via EPA Method 8260B;
- Polycyclic Aromatic Hydrocarbons (PAHs) via EPA Method 8270C;
- Dissolved RCRA 8 Metals via 6010B; and
- Sulfate and Chloride via EPA Method 9056.

In addition to the groundwater samples, Field Quality Assurance/Quality Controls (QA/QC) samples were also collected during the groundwater sampling program. The QA/QC samples for this sampling event included one (1) field duplicate sample, one (1) field blank, and one (1) trip blank. The laboratory analytical package for the temporary monitoring well groundwater monitoring event is included in **Appendix C**.

Groundwater COC concentrations were reported in excess of NMWQCC regulatory limits in samples collected from SB-2, SB-3, SB-4, SB-5, and SB-7. Samples from SB-2 and SB-7 exceeded the limit for benzene. Samples from SB-3 exceeded the limits for benzene, toluene, ethylbenzene, total xylenes, total naphthalene, and barium. The samples from SB-4 exceeded the limits for benzene, total xylenes, total naphthalene, and barium. Samples from SB-5 exceeded the limits for benzene and total naphthalene.

5.2. December 2011 Monitoring Well Installation

Based on the soil and groundwater results from the October drilling event, four (4) monitoring well locations were selected to install permanent monitoring wells. Monitoring well MW-23 was installed to confirm delineation west/southwest of the Site. Monitoring wells MW-24 and MW-25 were installed to assess potential impacts from an additional source/release condition west/northwest of the original release area. Monitoring well MW-26 was installed to confirm delineation to the north of the Site between MW-20 and MW-22.

Prior to drilling, GES met with Centurion personnel to ensure the boring locations were not near pipelines or known utilities. The utility notification service was also notified at least 48 hours prior to drilling activity. In addition, each soil boring location was probed and hand-cleared to at least five (5) feet bgs.

On December 13-15, 2011, GES installed four (4) permanent 2-inch monitoring wells, MW-23 through MW-26, using an air rotary drilling rig. Since the majority of the well locations were in close proximity to the October 2011 soil boring locations, soil screening/logging samples were not collected (with the exception of MW-26) while advancing the soil borings. No soil samples

were submitted for laboratory analysis. The drilling equipment and sampling tools were steam cleaned prior to drilling at the Site and between borings. Following the completion of the soil borings, permanent monitoring wells were installed at each location. The monitoring wells were advanced from 40 to 43 feet bgs, using 2 inch schedule 40 PVC pipe, with the bottom 15 feet of each well using 0.01 inch machine-slotted pipe. The top 22 feet of the well were cemented with a 2:1 bentonite-to-cement mixture, with the remainder of the well filled with filter sand. The drill

cuttings generated during the assessment were placed in 55-gallon steel drums stationed onsite pending disposal at an approved site (discussed in Section 12). Monitoring well construction logs are included in **Appendix A**.

After completion of the monitoring well installation, each well was developed at each location. The purged water was properly stored in 55-gallon steel drums and secured at the site pending disposal at an approved site (discussed in Section 12).

6. GROUNDWATER SAMPLING ACTIVITIES

Groundwater monitoring activities were conducted on October 12-13, 2011, February 22, 2012, July 17, 2012, and October 3, 2012. The field methodology of the groundwater monitoring events is presented below.

6.1. Field Methodology

On October 12 and 13, 2011, GES performed groundwater gauging and sampling activities for monitoring wells MW-1 through MW-22 (MW-23 through MW-26 had not yet been installed). Prior to beginning monitor well purging and groundwater sample collection activities, static fluid levels were measured using an electronic interface probe. The well locations and potentiometric surface data are included on **Figure 5**. Before collecting the fluid level measurements, all wells were opened and allowed to equilibrate to atmospheric pressure. The measurements were collected from the top of casing and measured to the nearest 0.01-foot. Monitoring wells containing measurable LNAPL were not sampled. The interface probe was decontaminated prior to beginning the survey and between each location. Decontamination procedures included an Alconox ® rinse followed by a double rinse with distilled water. After recording the fluid levels, three (3) well volumes were purged via submersible pump and/or hand bailers from the monitoring wells to be sampled. In order to minimize the potential for cross-contamination, new tubing was used at each well and the submersible pump was cleaned after each well. The samples were collected via disposable hand bailers, which were also only used once per well. Copies of the gauging documentation and well purging records are included in **Appendix D**.

The groundwater samples were placed in clean, method specific, properly preserved, laboratory provided sample bottles. The sample bottles were labeled in the field with the well designation, project name, date, and laboratory and were placed in sealed zip locked bags. The samples were immediately placed in ice-filled coolers with enough room to allow for even distribution of the ice around the samples. The sample coolers were sealed with a custody seal and submitted to TestAmerica in Nashville, Tennessee under chain-of-custody protocol. The samples were analyzed for the following constituents:

- Volatile Organic Compounds (VOCs) via EPA Method 8260B;

- Polycyclic Aromatic Hydrocarbons (PAHs) via EPA Method 8270C;
- Dissolved RCRA 8 Metals via 6010B; and
- Sulfate and Chloride via EPA Method 9056.

In addition to the groundwater samples, Field Quality Assurance/Quality Controls (QA/QC) samples were also collected during the groundwater sampling program. The QA/QC samples for

this sampling event included one (1) field duplicate sample, one (1) field blank, and five (5) trip blanks.

On February 22, 2012, GES performed groundwater gauging and sampling activities for monitoring wells MW-1 through MW-26. Similar gauging, purging, sampling, and shipping procedures were conducted as those identified in the October 2011 sampling event. The samples were analyzed selectively for one or more of the following constituents:

- VOCs via EPA Method 8260B;
- PAHs via EPA Method 8270C SIM; and
- Dissolved RCRA 8 Metals or Dissolved Barium and Chromium via EPA Method 6010B.

In addition to the groundwater samples, Field QA/QC samples were also collected during the groundwater sampling program. The QA/QC samples for this sampling event included one (1) field duplicate sample, one (1) field blank, and three (3) trip blanks.

On July 17, 2012, GES performed groundwater gauging and sampling activities at all the Site wells. The monitoring activities followed the same field and shipping procedures as noted above. The samples were analyzed for the following constituents:

- VOCs via EPA Method 8260B;
- PAHs via EPA Method 8270C SIM;
- Dissolved RCRA 8 Metals via EPA Method 6010B; and
- Chloride, Sulfate, Total Alkalinity, and TDS.

In addition to the groundwater samples, Field QA/QC samples were also collected during the groundwater sampling program. The QA/QC samples for this sampling event included one (1) field duplicate sample and one (1) field blank.

On October 3, 2012, GES performed groundwater monitoring activities. It should be noted that while the gauging and shipping procedures remained the same, the sampling method was changed during this sampling event from purge (with bailer and/or pump) and sample with a bailer to low-flow sampling. The sampling method was changed to 1) ensure collection of representative groundwater samples; and 2) to generate less purge water as part of sampling activities. As such, monitoring wells not containing LNAPL (with the exception of MW-9) were purged via submersible pump using low flow techniques until the indicator field parameters (i.e. pH, specific conductance, dissolved oxygen (D.O.), oxidation/reduction potential (ORP) and temperature) stabilized. In order to minimize the potential for cross-contamination, new tubing was used at each well and the submersible pump was deconed after each well. The samples were analyzed for the following constituents:

- VOCs via EPA Method 8260B;
- PAHs via EPA Method 8270C SIM;
- Dissolved RCRA 8 Metals via EPA Method 6010B; and
- Chloride, Sulfate, Total Alkalinity, and TDS.

In addition to the groundwater samples, Field QA/QC samples were also collected during the groundwater sampling program. The QA/QC samples for this sampling event included one (1) field duplicate sample, one (1) field blank, and one (1) equipment blank.

The laboratory analytical packages for these four (4) events are included in **Appendix E**.

7. LNAPL REMOVAL

As part of the groundwater sampling events, the monitoring wells with LNAPL were gauged and bailed. The LNAPL was removed during each event with a dedicated disposable bailer and was placed into 55-gallon steel drums onsite pending removal and recycling at an approved site (discussed in Section 12). To date, an estimated 14 gallons of LNAPL has been removed during the monitoring activities.

8. MONITORING WELL SURVEY

On July 17, 2012, GES oversaw the professional survey firm, Borbas Surveying and Mapping, LLC (Borbas), survey the 26 Site monitoring wells and select site features. The survey was completed in order to update the site map and the monitoring well elevation data (with the new monitoring wells) to be used to generate the groundwater elevation data and potentiometric surface maps.

9. GROUNDWATER FLOW GRADIENT

Gladiola Station is monitored through a network of 26 monitoring wells. Groundwater gauging data collected during the October 2011, February 2012, July 2012, and October 2012 monitoring events are summarized along with historical groundwater gauging data included in **Table 2**. Top of well casing elevations and depth to water measurements were used to determine the groundwater elevation at each well location. Groundwater elevation data from the sampling events were used to construct contour maps of the groundwater potentiometric surfaces and determine apparent groundwater flow directions as illustrated in **Figures 5** through **8**. The apparent groundwater flow at the site in each of the four (4) groundwater monitoring events is generally to the northeast, which is consistent with historical data. The average groundwater gradient over the four sampling events is approximately 0.0013 feet/foot (ft./ft.), which is considered to be a flat gradient.

10. GROUNDWATER ANALYTICAL RESULTS AND LNAPL DISTRIBUTION

Groundwater monitoring activities were conducted on October 12-13, 2011, February 22, 2012, July 17, 2012, and October 3, 2012. The groundwater analytical results for all groundwater monitoring activities are summarized in **Tables 3** through **5** and maps illustrating the distribution of groundwater chemical of concern (COC) concentrations are presented in **Figures 9** through **18**. The laboratory analytical packages for these four (4) events are included in **Appendix E**. The groundwater sampling results are discussed below.

October 2011 Sampling Event

Groundwater samples collected during the October 2011 monitoring event were analyzed for VOCs, PAHs, RCRA 8 Metals, Sulfate, and Chloride. Groundwater COC concentrations were reported in excess of NMWQCC standards in samples collected from MW-5, MW-7, MW-12, MW-14, MW-16, MW-17, and MW-18. These monitoring wells had exceedances of one or more of the following constituents: benzene, total naphthalene, and barium. No other COCs were reported in excess of NMWQCC standards. In general, COC concentrations were relatively consistent with historical trends.

During October 2011 gauging, LNAPL was detected in six (6) monitoring wells, which included MW-1, MW-2, MW-3, MW-4, MW-13, and MW-15. The measured thicknesses of LNAPL in the monitoring wells ranged from 0.38 (in MW-3) to 2.88 feet (in MW-2).

February 2012 Sampling Event

Groundwater samples collected during the February 2012 monitoring event were analyzed for VOCs, PAHs, dissolved RCRA 8 metals, dissolved barium, and dissolved chromium. Groundwater COC concentrations were reported in excess of NMOCD RRALs in samples collected from MW-5, MW-7, MW-10, MW-12, MW-14, MW-16, MW-17, and MW-25. These monitoring wells had exceedances of one or more of the following constituents: benzene, toluene, ethylbenzene, total xylenes, total naphthalene, and barium. The COC concentrations were generally consistent with historical trends; however, the benzene concentration at MW-5 is starting to indicate a decreasing trend. Additionally, the barium concentration at MW-10 increased significantly, which may not be indicative of actual conditions (especially since concentrations decreased to historical concentrations during the next 2 sampling events). The results for monitoring well MW-25 (initial event) had concentrations significantly above the NMWQCC standards for benzene and barium. No other COCs were reported in excess of NMWQCC standards.

During February 2012 gauging, LNAPL was detected in nine (9) wells, which included MW-1, MW-2, MW-3, MW-4, MW-8, MW-13, MW-15, MW-18 and MW-24. The measured thicknesses of LNAPL in the monitoring wells ranged from 0.01 (in MW-18) to 2.80 feet (in MW-2).

July 2012 Sampling Event

Groundwater samples collected during the July 2012 monitoring event analyzed for VOCs, PAHs, dissolved RCRA 8 Metals, chloride, sulfate, total alkalinity, and TDS. Groundwater COC concentrations were reported in excess of NMWQCC standards in samples collected from MW-5,

MW-12, MW-14, MW-16, MW-17, and MW-22. These monitoring wells had exceedances of one or more of the following constituents: benzene, total naphthalene, and barium. The COC concentrations were generally consistent with historical trends. The benzene concentration in MW-5 continued to decrease and the barium concentration in MW-10 decreased below the NMWQCC standards. Additionally, the barium concentration at MW-22 increased significantly; however, it may not be indicative of actual conditions since concentrations decreased well below the regulatory limits (and consistent with historical data) during the October 2012 event. No other COCs were reported in excess of NMWQCC standards.

During July 2012 gauging, LNAPL was detected in eleven (11) wells, which included MW-1, MW-2, MW-3, MW-4, MW-7, MW-8, MW-13, MW-15, MW-18 MW-24, and MW-25. The measured thicknesses of LNAPL in the monitoring wells ranged from 0.02 (in MW-7) to 4.15 feet (in MW-24).

October 2012 Sampling Event

Groundwater samples collected during the October 2012 monitoring event were analyzed for VOCs, PAHs, dissolved RCRA 8 Metals, chloride, sulfate, total alkalinity, and TDS. Groundwater COC concentrations were reported in excess of NMWQCC standards in samples collected from MW-5, MW-9, MW-12, MW-14, MW-16, and MW-17. These monitoring wells had exceedances of one or more of the following constituents: benzene, ethylbenzene, total xylenes, total naphthalene, and barium. The COC concentrations were generally consistent with recent sampling events and/or historical trends. Monitoring well MW-9, which was sampled after detectable LNAPL was removed, had benzene, total xylenes and total naphthalene above regulatory standards. In addition, MW-17 had barium concentrations above regulatory limits for the first time since the October 2011 sampling event. No other COCs were reported in excess of NMWQCC standards.

During October 2012 gauging, LNAPL was detected in twelve (12) wells, which included MW-1, MW-2, MW-3, MW-4, MW-7, MW-8, MW-9, MW-13, MW-15, MW-18, MW-24, and MW-25. The measured thicknesses of LNAPL in the monitoring wells ranged from 0.01 (in MW-7) to 4.35 feet (in MW-24).

11. LNAPL FINGERPRINTING AND CHARACTERIZATION

The initial release at the Site occurred in November 2002 and released an estimated net residual of 10 barrels of crude oil to the subsurface. This release was in the vicinity of monitoring well MW-1. Another documented release of approximately 15 barrels of crude oil was reported by Centurion in May 2007. The release occurred near monitoring well MW-2 and appears contributed to the petroleum impacts at the site as the LNAPL thickness at MW-2 increased from 0.12 feet in February 2006 to 6.44 feet in April 2008. In addition, based on increasing product thicknesses in wells (MW-13, MW-15, MW-18, MW-24 and MW-25) located west/northwest (and cross-gradient) of the original release, it appeared there may be another source/release in this area.

In order to provide additional lines of evidence to support the hypothesis that additional releases may have impacted the Site, GES collected LNAPL samples for fingerprint analyses. The

fingerprint analysis was conducted to determine whether the LNAPL present in the sampled wells had been released at the same time and and/or are from separate sources.

During the July 2012 groundwater sampling event, GES collected LNAPL samples from monitoring wells MW-2 and MW-13. LNAPL samples collected were submitted to PTS Laboratories, Inc. (PTS) in Santa Fe Springs, California and analyzed for detailed information on the hydrocarbon composition of the C_2-C_{34} fractions, including OILPRINT FSCOT via the Industry of Petroleum (IP) Method 318/75M. Both samples were determined to be from relatively recent releases of crude oil due to the high percentage composition of light gasoline in the samples. The analysis indicated the samples are similar in hydrocarbon make up but are not

from the same single source. In addition, the differences observed in the specific hydrocarbon fingerprints could not be explained by weathering, water dissolution or degradation by microbial activity. The PTS laboratory report is included in **Appendix H**.

In order to obtain additional information from a larger data set during the October 2012 groundwater sampling event, GES collected LNAPL samples from monitoring wells MW-1, MW-2, MW-13, MW-18, and MW-25. The samples were submitted to PTS in Santa Fe Springs, California and analyzed for detailed information on the hydrocarbon composition of the C_2-C_{34} fractions, including OILPRINT FSCOT via the IP Method 318/75M. The results from MW-1 indicated it has striking differences when compared to the other four (4) samples. In addition, MW-1 represented a bacterially degraded diesel/crude mixture, indicating it is from a different origin than the other four (4) samples and has been in the subsurface environment for a longer period of time. The other four samples collected showed significantly less degradation, and therefore, suggested a more recent discharge of crude oil. The samples from MW-13, MW-18, and MW-25 were identified as similar enough to verify that they had come from the same source. However, the sample from MW-2 exhibited differences from the other three crude samples (MW-13, MW-25 and MW-18) that could not be attributed to degradation in the subsurface environment. The PTS laboratory report is included in **Appendix H**.

Based on the results of the fingerprinting analyses, it appears likely there are three (3) sources/releases at the Site. The release that occurred in 2002 (near MW-1) appears to be the oldest release based on the degradation identified in the laboratory analysis. The Centurion release reported in 2007 (near MW-2) appears to be a separate release (although potentially co-mingled with the 2002 release). Additionally, the results for MW-13, MW-18, and MW-25 indicate a third source/release west/northwest of Gladiola Station.

12. INVESTIGATION DERIVED WASTE

Groundwater that was purged from the monitoring wells during groundwater sampling and monitoring well development was stored in 55-gallon steel drums and secured at the site pending offsite removal. Additionally, LNAPL bailed from the monitoring wells was also placed into the 55-gallon drums. The stored liquid was removed from the site on November 16, 2011 and on October 3, 2012. The liquid was removed by FCC Environmental and transported to their facility in Odessa, TX for proper disposal. Approximately 101 gallons were removed on November 16, 2011 and approximately 300 gallons were removed on October 3, 2012. The waste manifests are included in **Appendix G**.

Soil cuttings generated during the drilling activities completed in 2011 were stored in 55-gallon steel drums and secured at the site pending offsite removal. On December 15, 2011, one 55-gallon drums were removed by FCC Environmental and transported to their facility in Odessa, TX for proper disposal. The waste manifest is included in **Appendix G**.

13. SUMMARY OF FINDINGS AND CONCLUSIONS

The field activities completed at the Gladiola Station were conducted during the period of October 2011 through October 2012. Based on activities conducted during the monitoring period and/or discussed previously, the following summary and conclusions are presented:

- Two subsurface investigations were completed during the reporting period. The October 2011 event was completed to provide additional delineation wells and to assess potential offsite sources to the west/northwest. Based on the results of this investigation, four additional monitoring (MW-23, MW-24, MW-25, and MW-26) wells were installed in December 2011.

- Four groundwater gauging and sampling events were conducted during this monitoring period. The sampling events were conducted on October 12-13, 2011, February 22, 2012, July 17, 2012, and October 3, 2012. The apparent groundwater flow direction during each of these events was generally towards the northeast, which is consistent with historical data. The average groundwater gradient over the four sampling events was determined to be approximately 0.0013 ft./ft., which is considered to be a flat gradient.

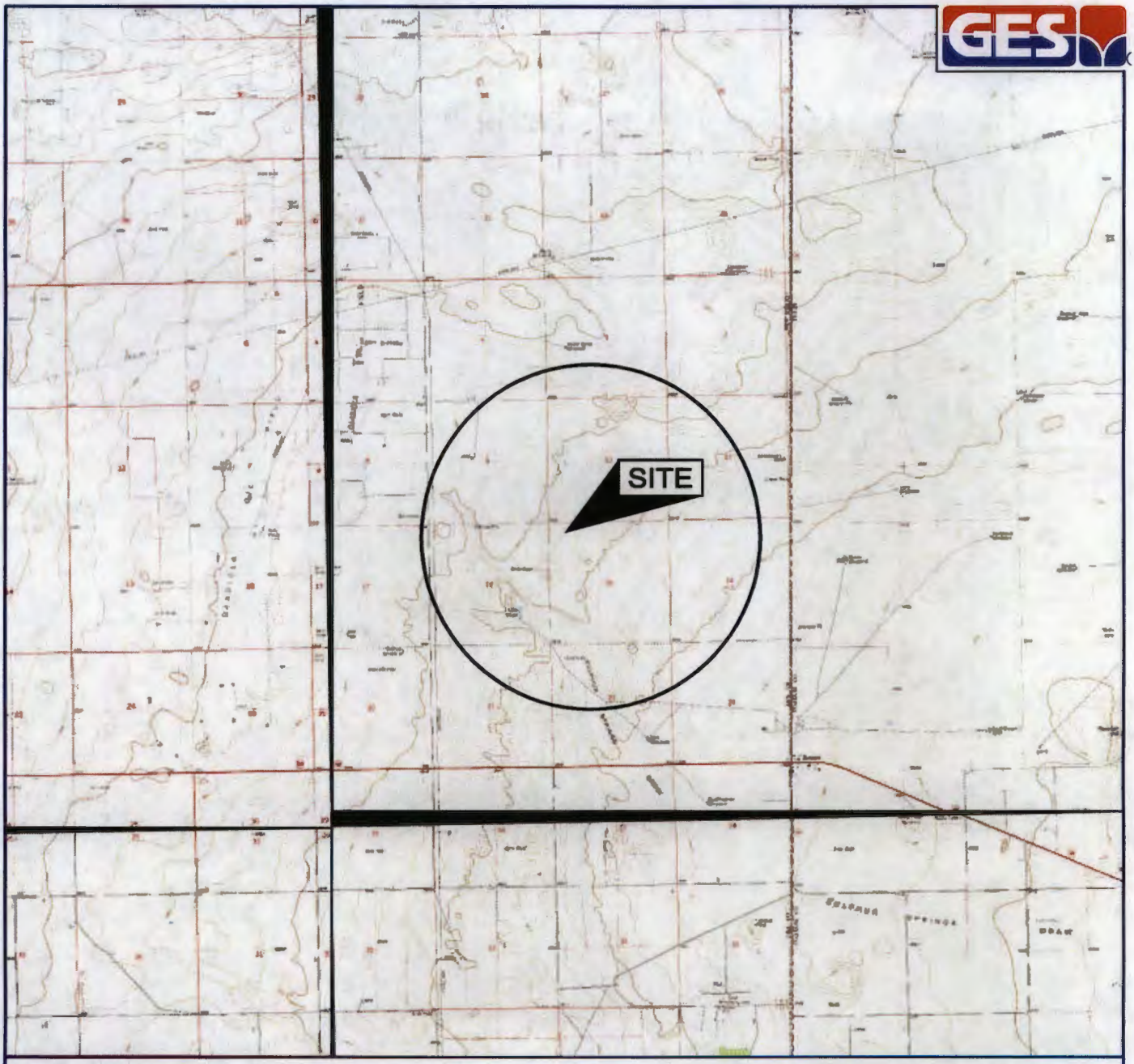
- LNAPL was detected at monitoring wells during each of the sampling events. During the October 2011 event, LNAPL was detected in six (6) monitoring wells: during the February 2012 event, LNAPL was detected in nine (9) wells; during the July 2012 event, LNAPL was detected in eleven (11) wells; and during the October 2012 event, LNAPL was detected in twelve (12) wells.

- The groundwater concentrations for BTEX, Naphthalene and dissolved metals were generally consistent with historical data; however, many monitoring wells during each of the sampling events were not sampled due to the presence of LNAPL.

- The LNAPL plume appears to be expanding at the Site. The approximate extent of LNAPL over the monitoring period has increased in both LNAPL thickness observed in the wells and in the number of wells containing LNAPL. Refer to **Figures 17** and **18** for the approximate extent of LNAPL in October 2011 and October 2012.

- Based on the results of the fingerprinting analyses, it appears likely there are three (3) sources/releases on or offsite. The release that occurred in 2002 (near MW-1) appears to be the oldest release based on the degradation identified in the laboratory analysis. The Centurion release reported in 2007 (near MW-2) appears to be a separate release (although potentially co-mingled with the 2002 release). Additionally, the results for MW-13, MW-18, and MW-25 indicate a third source/release west/northwest of Gladiola Station, which is more similar to age and chemical makeup to the 2007 release material than to the 2002 release material.

FIGURES

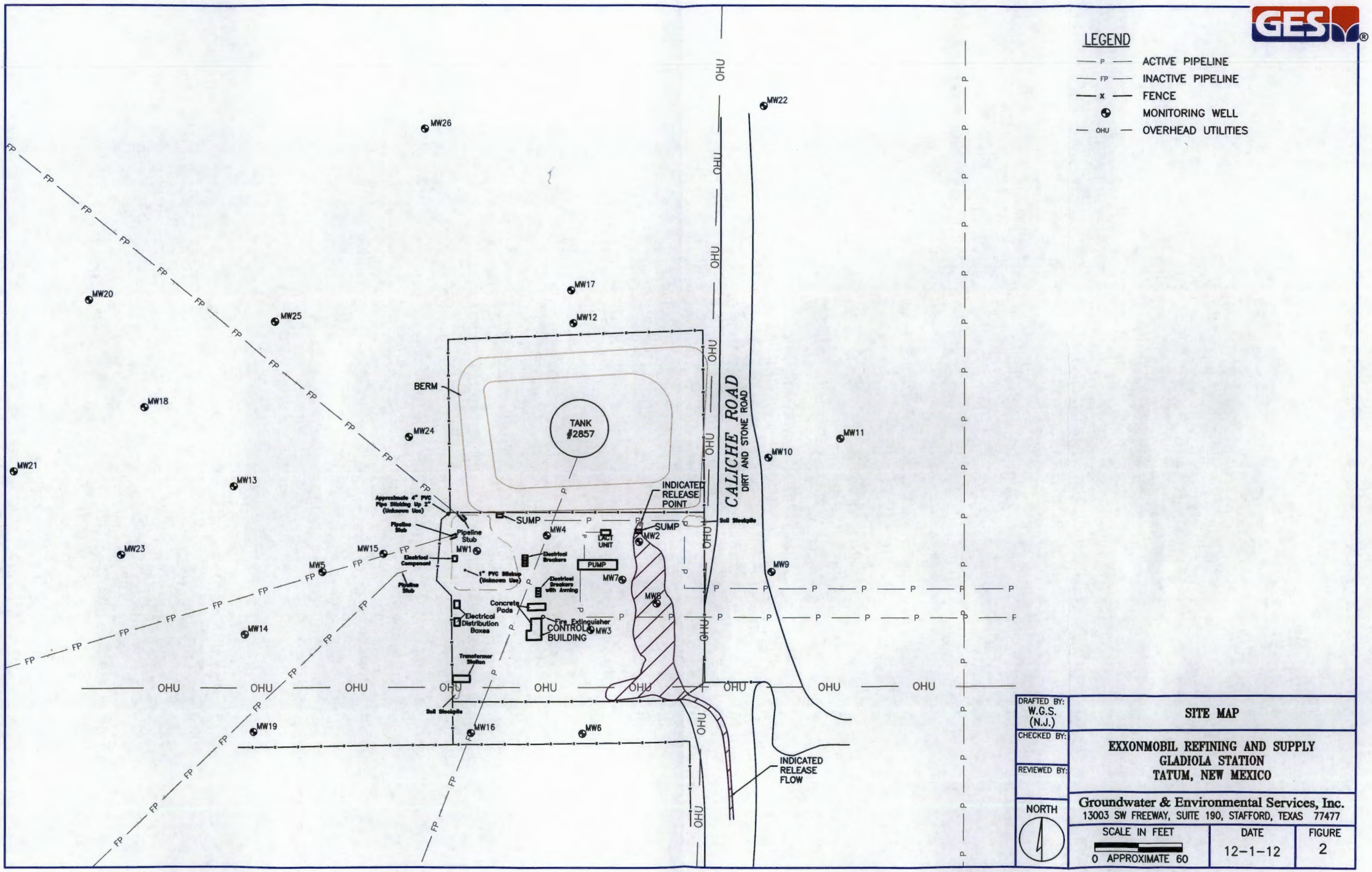


SOURCE: USGS 7.5 MINUTE SERIES
TOPOGRAPHIC QUADRANGLE 1985
BRONCO, NEW MWXICO
CONTOUR INTERVAL = 5'

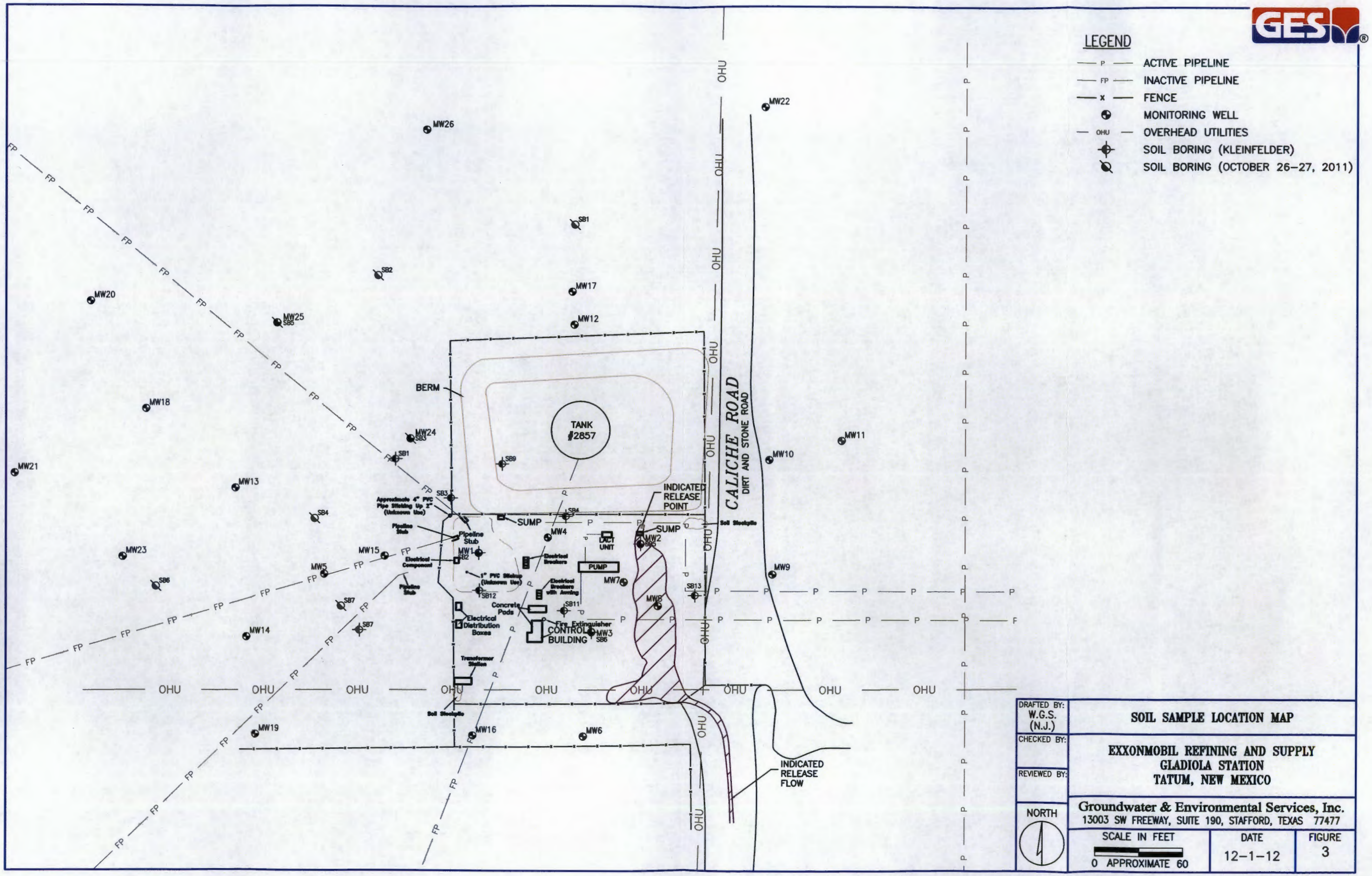
QUADRANGLE LOCATION

DRAFTED BY: W.G.S. (N.J.)	**SITE LOCATION MAP**
CHECKED BY:	**EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO**
REVIEWED BY:	
NORTH	**Groundwater & Environmental Services, Inc.** 13003 SW FREEWAY, SUITE 190, HOUSTON, TEXAS 77477
SCALE IN FEET 0 2000	DATE 4-29-10 / FIGURE 1

M:\Graphics\36000-Houston\ExxonMobil\000Major Projects\Gladiola Station\Gladiola Station SLM.dwg, Layout1, 4/29/2010 11:42:19 AM, WShea



DRAFTED BY: W.G.S. (N.J.)	SITE MAP
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO
REVIEWED BY:	
NORTH	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
SCALE IN FEET 0 APPROXIMATE 60	DATE: 12-1-12
	FIGURE: 2



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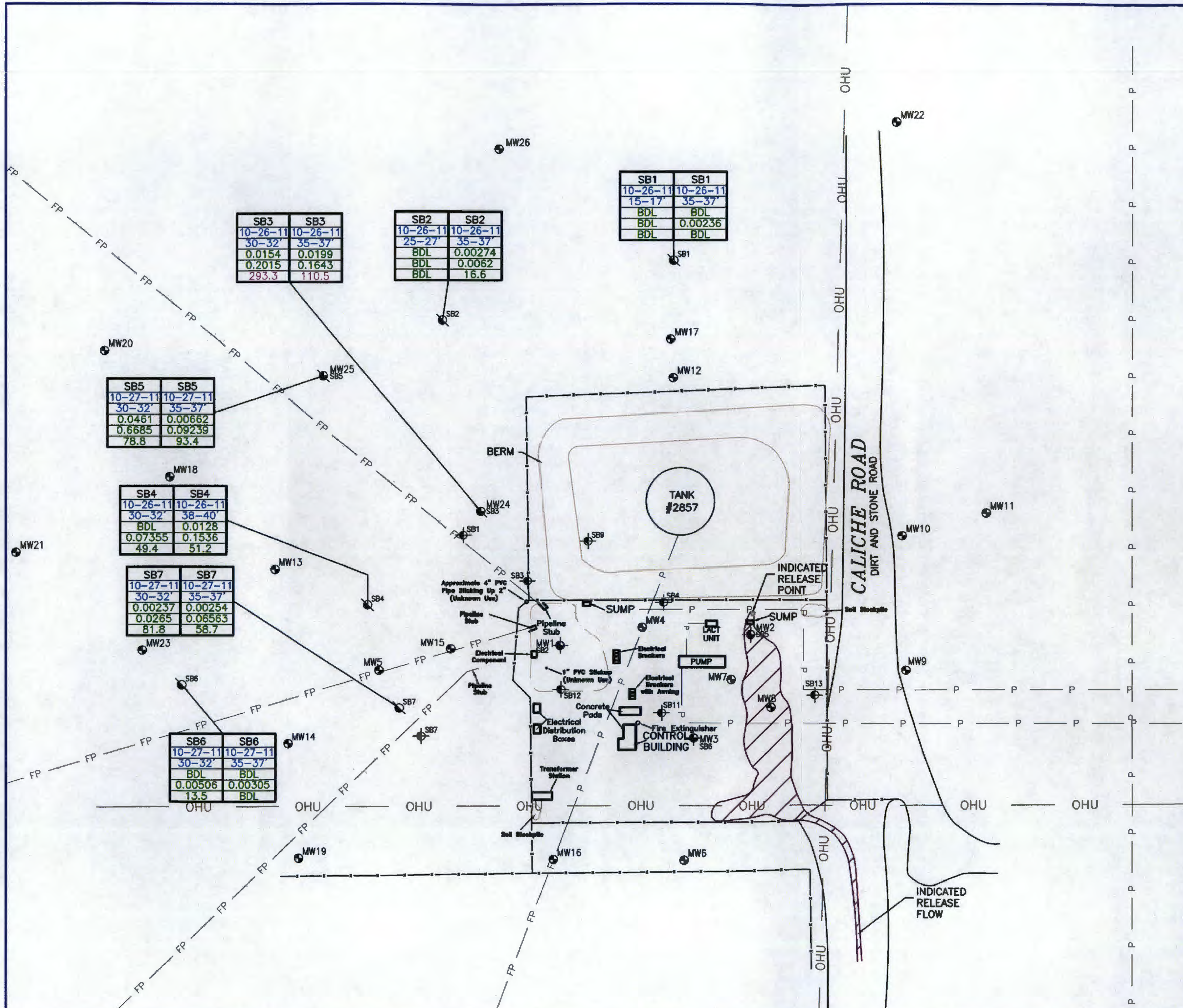
DRAFTED BY: W.G.S. (N.J.)	SOIL SAMPLE LOCATION MAP	
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO	
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477	
NORTH	SCALE IN FEET 0 APPROXIMATE 60	DATE 12–1–12
		FIGURE 3



LEGEND

— P —	ACTIVE PIPELINE
— FP —	INACTIVE PIPELINE
— x —	FENCE
	MONITORING WELL
— OHU —	OVERHEAD UTILITIES
	SOIL BORING (KLEINFELDER)
	SOIL BORING (OCTOBER 26–27, 2011)
SB1	SAMPLE IDENTIFICATION
10–26–11	SAMPLE DATE
15–17'	SAMPLE DEPTH (feet)
BDL	BENZENE CONCENTRATION (mg/kg)
BDL	TOTAL BTEX CONCENTRATION (mg/kg)
BDL	TOTAL TPH CONCENTRATION (mg/kg)
mg/kg	MILLIGRAMS PER KILOGRAM
BTEX	BENZENE, TOLUENE, ETHYLBENZENE, XYLENES
TPH	TOTAL PETROLEUM HYDROCARBONS
BDL	BELOW METHOD DETECTION LIMIT
<#	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN

NOTE:

VALUES SHADED PURPLE EXCEED NMOCD RRALS.

DRAFTED BY: W.G.S. (N.J.)
CHECKED BY:
REVIEWED BY:
NORTH

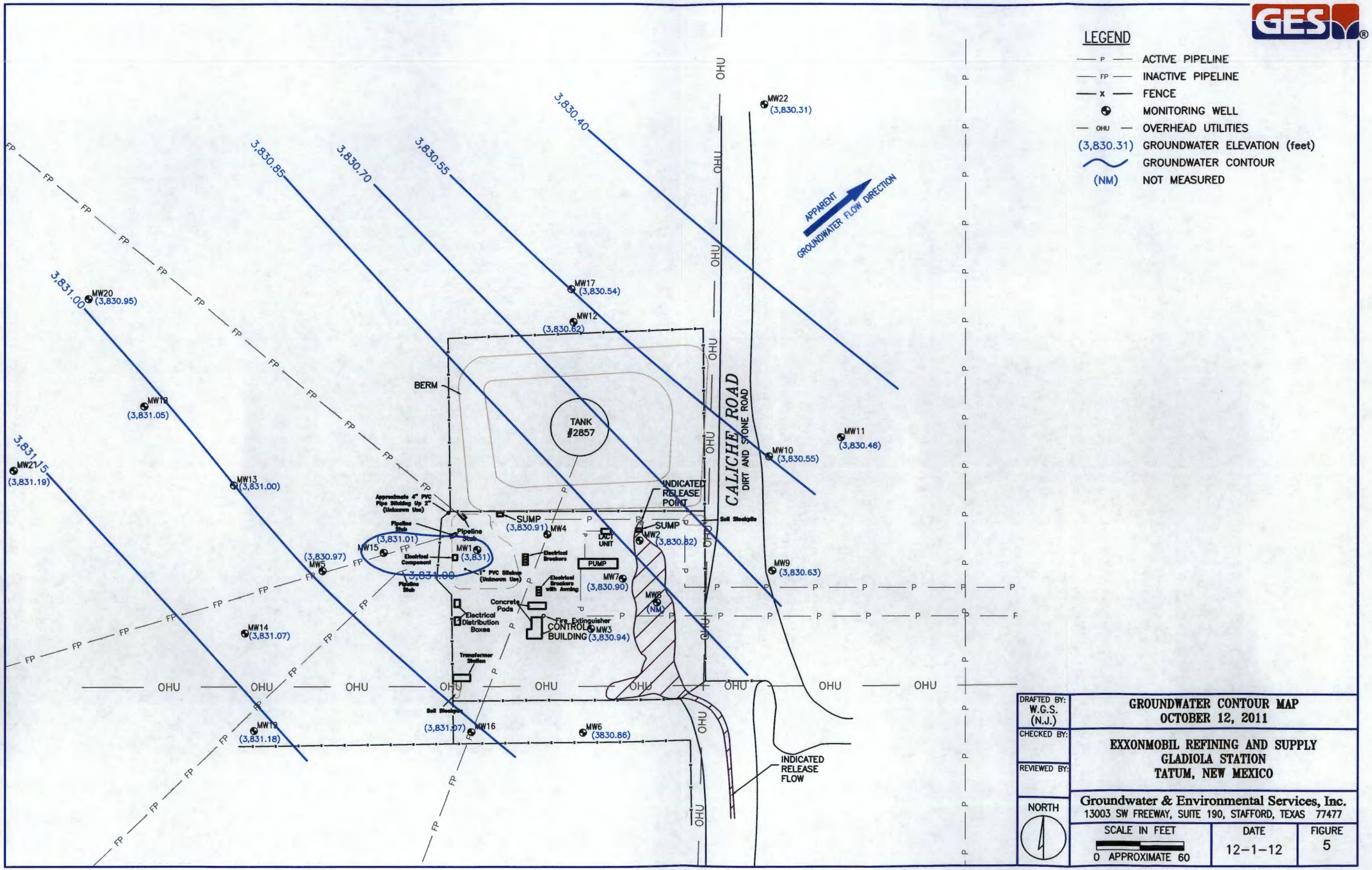
SOIL CONCENTRATION MAP
OCTOBER 26–27, 2011

EXXONMOBIL REFINING AND SUPPLY
GLADIOLA STATION
TATUM, NEW MEXICO

Groundwater & Environmental Services, Inc.
13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477

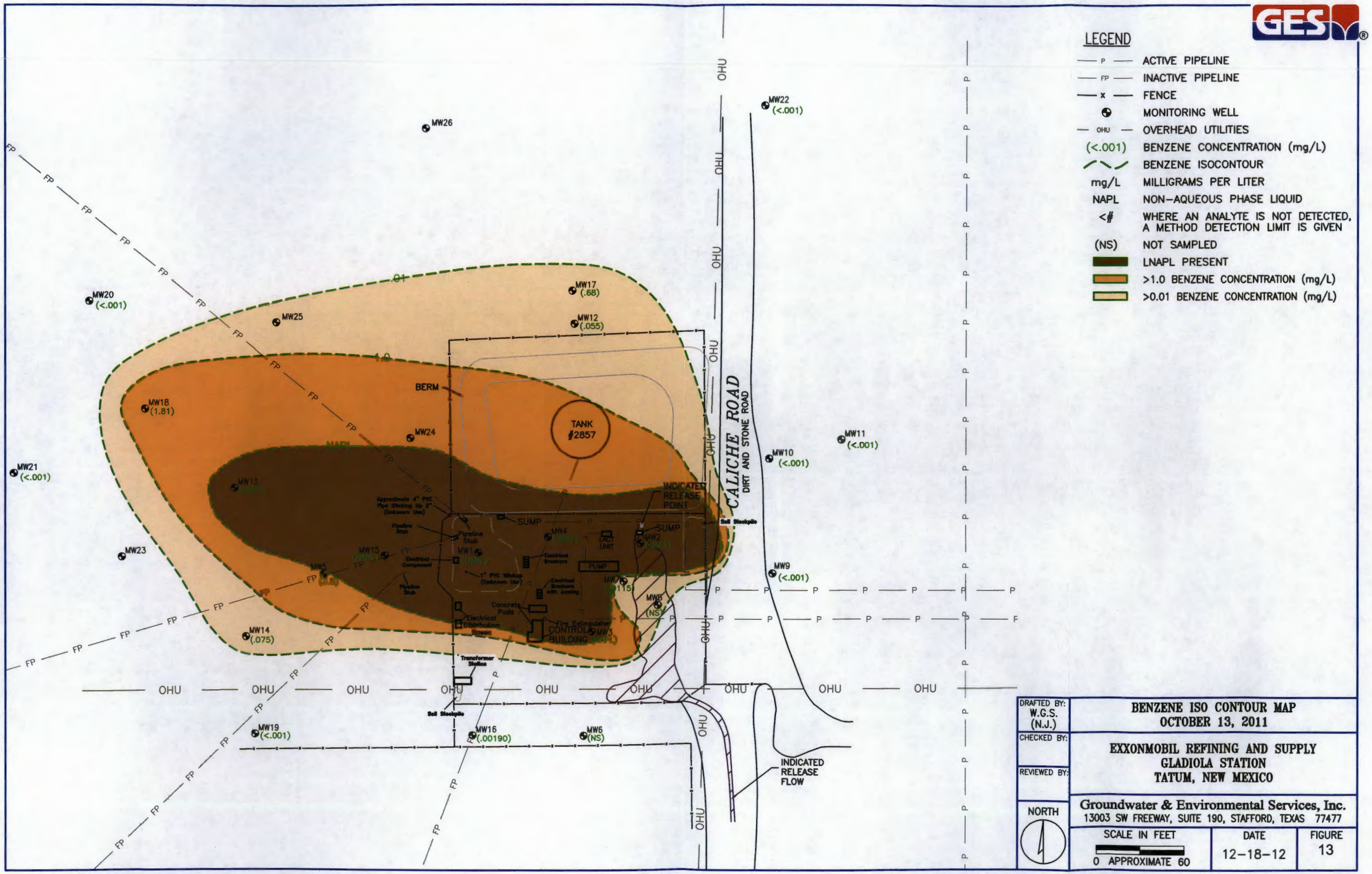
SCALE IN FEET	DATE	FIGURE
0 APPROXIMATE 60	12–1–12	4

M:\Graphics\3600-Houston\ExxonMobil\000Major Projects\Gladiola Station\Gladiola Station SM.dwg, B-60, WShea



M:\Graphics\3600-Houston\ExxonMobil\000Major Projects\Gladiola Station\Gladiola Station SM.dwg, B-80, WShee

DRAFTED BY: W.G.S. (N.J.)	GROUNDWATER CONTOUR MAP OCTOBER 12, 2011	
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO	
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477	
NORTH	SCALE IN FEET 0 APPROXIMATE 60	DATE 12-1-12 / FIGURE 5



LEGEND

- P — ACTIVE PIPELINE
- FP — INACTIVE PIPELINE
- x — FENCE
- MONITORING WELL
- OHU — OVERHEAD UTILITIES
- (<.001) — BENZENE CONCENTRATION (mg/L)
- BENZENE ISOCONTOUR
- mg/L — MILLIGRAMS PER LITER
- NAPL — NON-AQUEOUS PHASE LIQUID
- <# — WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
- (NS) — NOT SAMPLED
- LNAPL PRESENT
- >1.0 BENZENE CONCENTRATION (mg/L)
- >0.01 BENZENE CONCENTRATION (mg/L)

DRAFTED BY: W.G.S. (N.J.)	BENZENE ISO CONTOUR MAP OCTOBER 13, 2011
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
NORTH	SCALE IN FEET: 0 APPROXIMATE 60 / DATE: 12-18-12 / FIGURE: 13

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LEGEND

- ACTIVE PIPELINE
- INACTIVE PIPELINE
- FENCE
- MONITORING WELL
- OVERHEAD UTILITIES
- (<0.01) BENZENE CONCENTRATION (mg/kg)
- BENZENE ISOCONTOUR
- mg/L MILLIGRAMS PER KILOGRAM
- NAPL NON-AQUEOUS PHASE LIQUID
- <# WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
- LNAPL PRESENT
- >1.0 BENZENE CONCENTRATION (mg/L)
- >0.01 BENZENE CONCENTRATION (mg/L)

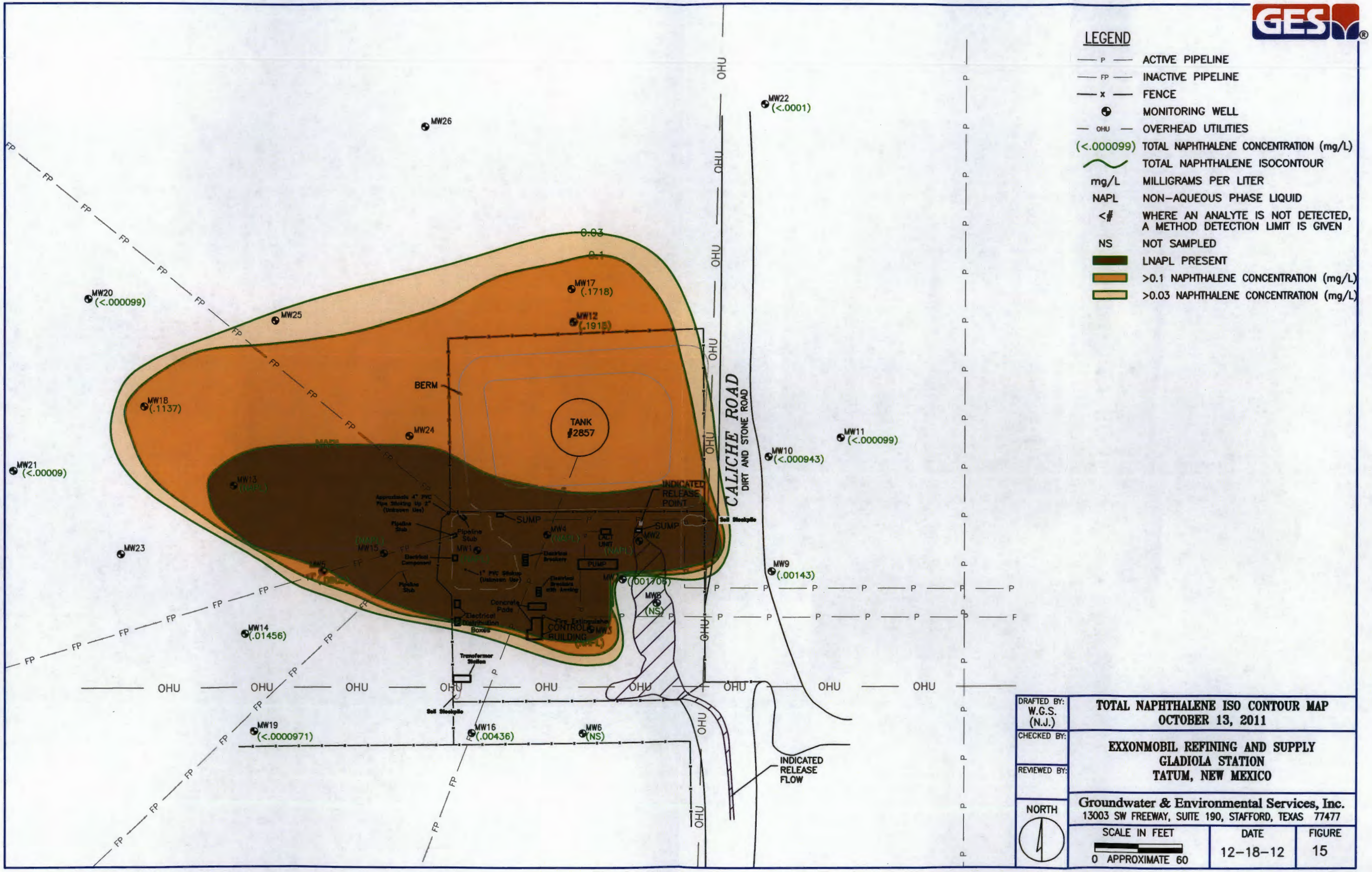
MW26 (.00236)
MW22 (<0.0001)
MW20 (<0.0001)
MW25 (NAPL)
MW17 (.825)
MW12 (.054)
MW18 (NAPL)
BERM
MW24 (NAPL)
TANK #2857
MW11 (<0.0001)
MW10 (<0.0001)
MW21 (<0.0001)
MW13 (NAPL)
INDICATED RELEASE POINT
SUMP
MW4 (NAPL)
SUMP
MW2 (NAPL)
MW23 (<0.0001)
MW15 (NAPL)
MW1 (NAPL)
MW5 (2.01)
PUMP
MW7 (NAPL)
MW9 (NAPL)
MW8 (NAPL)
MW14 (.107)
CONTROL BUILDING
MW3 (NAPL)
INDICATED RELEASE FLOW
MW19 (<0.0001)
MW16 (.00192)
MW6 (<0.0001)

CALICHE ROAD
DIRT AND STONE ROAD

0.01
1.0

DRAFTED BY: W.G.S. (N.J.)	BENZENE ISO CONTOUR MAP OCTOBER 3, 2012	
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO	
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477	
NORTH	SCALE IN FEET 0 APPROXIMATE 60	DATE 12-18-12 / FIGURE 14

M:\Graphics\36600-Houston\ExxonMobil\0000Major Projects\Gladiola Station\Gladiola Station SM.dwg, B-60, WShea

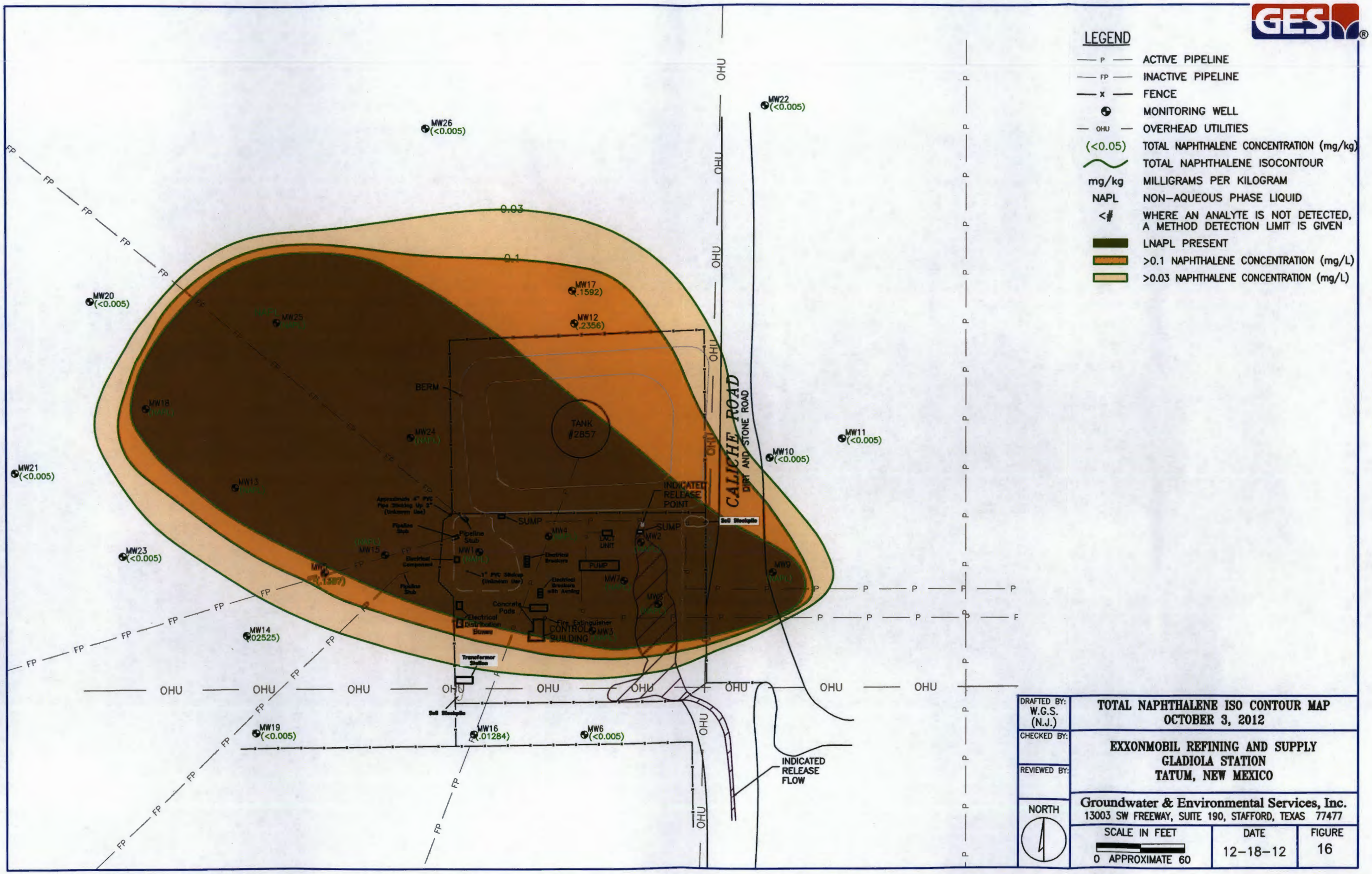


LEGEND

- ACTIVE PIPELINE
- INACTIVE PIPELINE
- FENCE
- MONITORING WELL
- OVERHEAD UTILITIES
- (<.000099) TOTAL NAPHTHALENE CONCENTRATION (mg/L)
- TOTAL NAPHTHALENE ISOCONTOUR
- mg/L MILLIGRAMS PER LITER
- NAPL NON-AQUEOUS PHASE LIQUID
- <# WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
- NS NOT SAMPLED
- LNAPL PRESENT
- >0.1 NAPHTHALENE CONCENTRATION (mg/L)
- >0.03 NAPHTHALENE CONCENTRATION (mg/L)

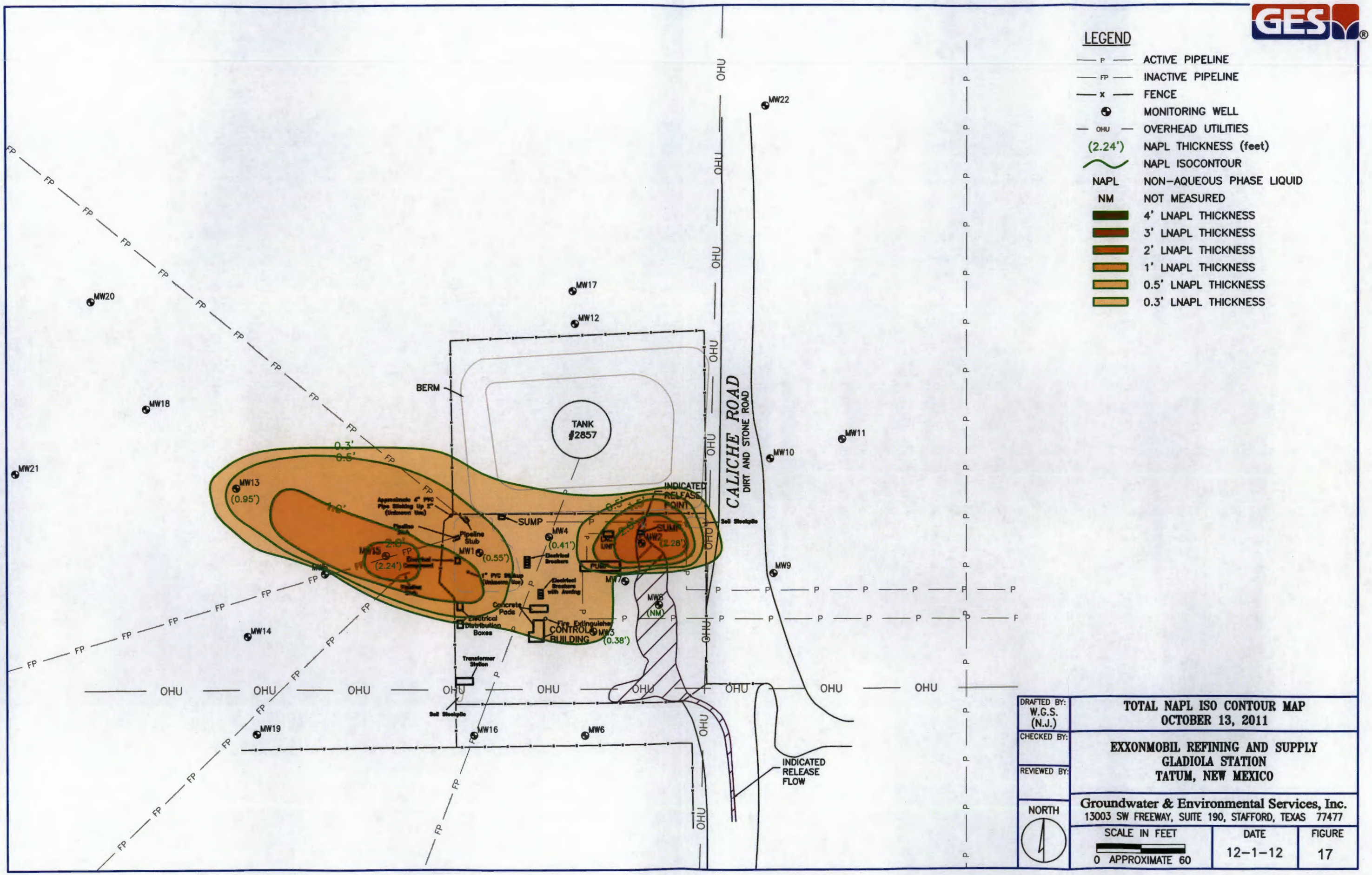
DRAFTED BY: W.G.S. (N.J.)	TOTAL NAPHTHALENE ISO CONTOUR MAP OCTOBER 13, 2011
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
NORTH	SCALE IN FEET: 0 APPROXIMATE 60 / DATE: 12-18-12 / FIGURE: 15

M:\Graphics\3600-Houston\ExxonMobil\0000Major Projects\Gladiola Station\Gladiola Station SM.dwg, B-80, WShea



M:\Graphics\3600-Houston\ExxonMobil\000\Major Projects\Gladiola Station\Gladiola Station SM.dwg, B-60, WShea

DRAFTED BY: W.G.S. (N.J.)	TOTAL NAPHTHALENE ISO CONTOUR MAP OCTOBER 3, 2012
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
NORTH	SCALE IN FEET: 0 APPROXIMATE 60 / DATE: 12-18-12 / FIGURE: 16



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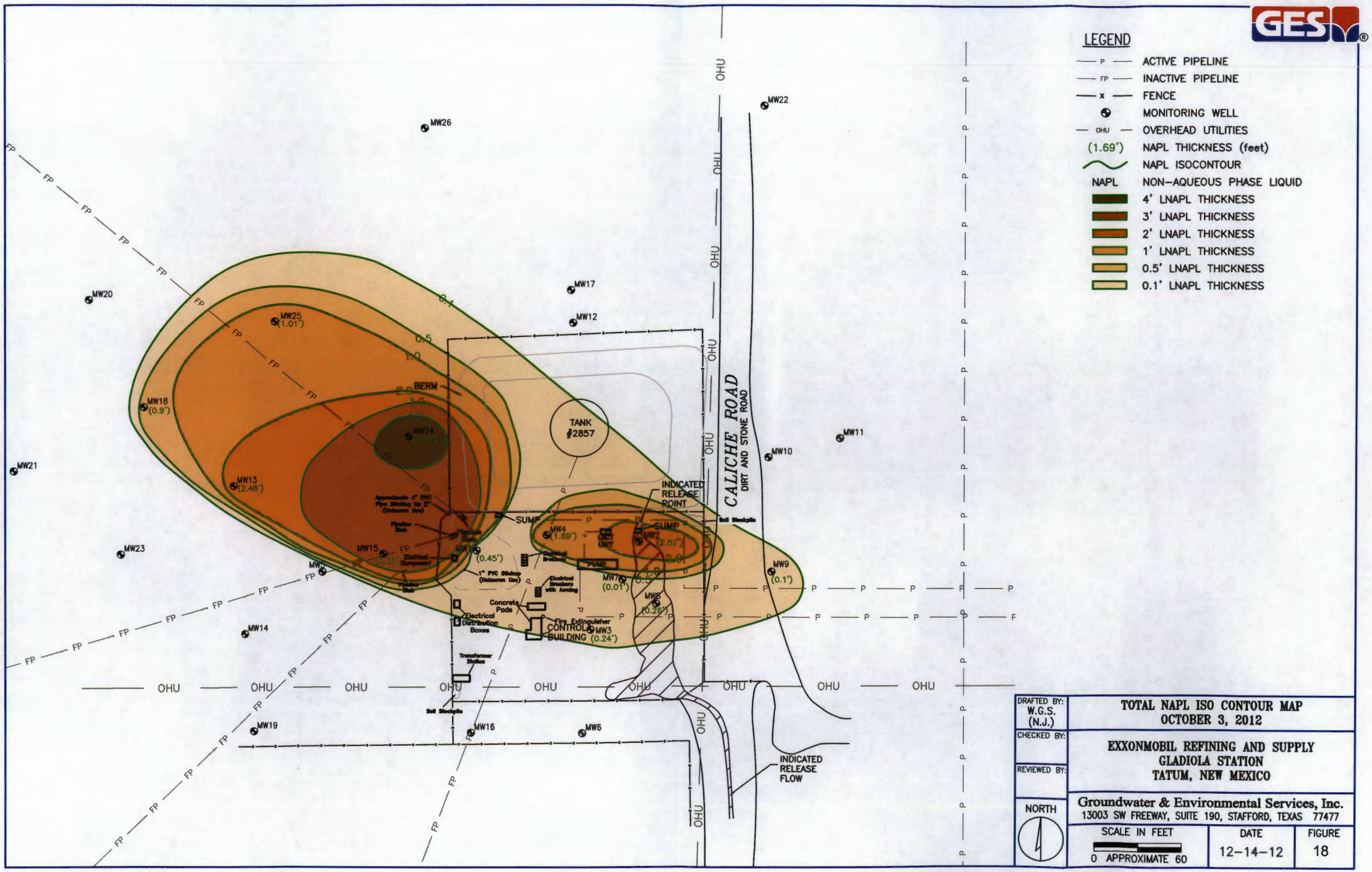
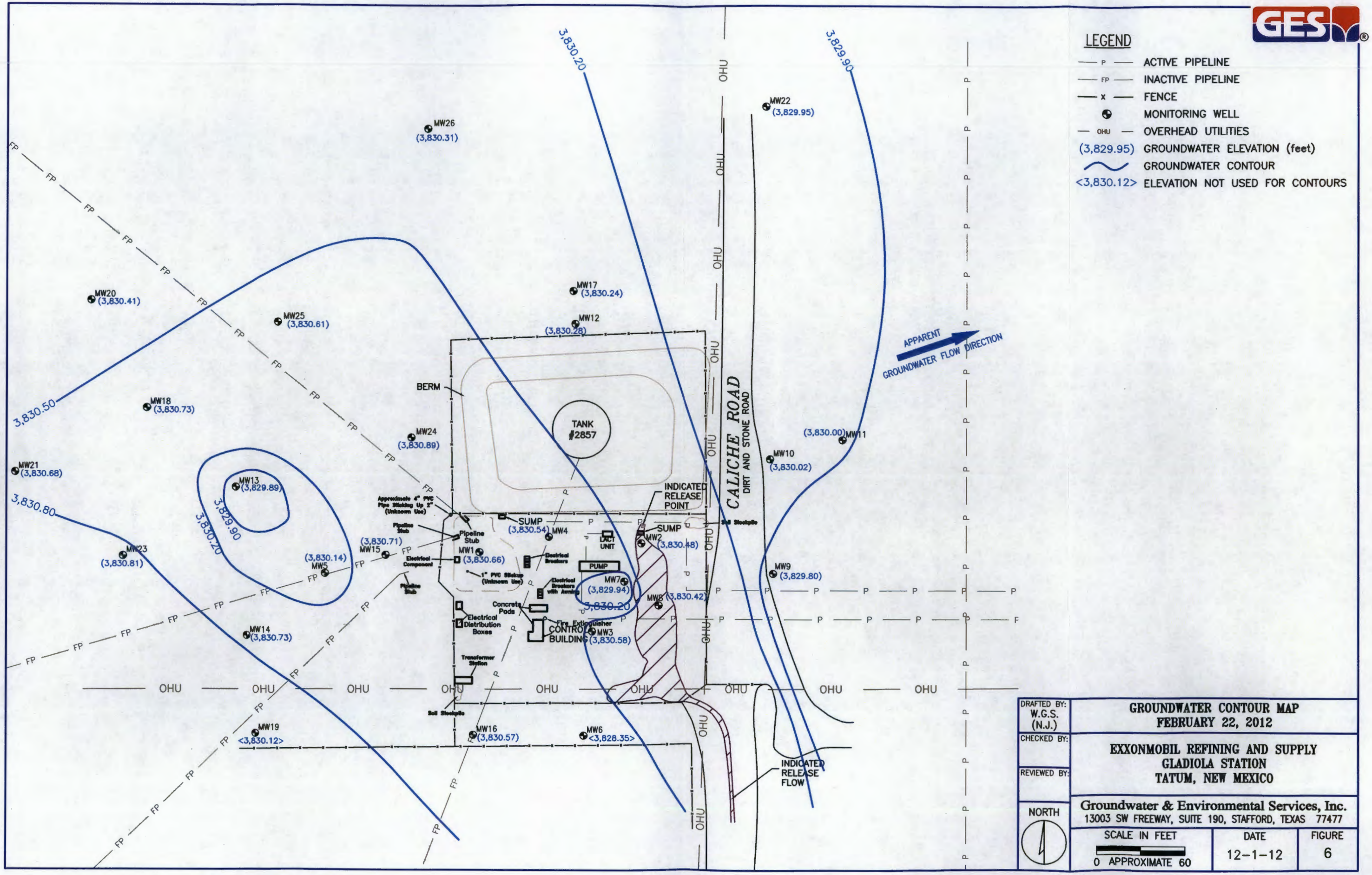
DRAFTED BY: W.G.S. (N.J.)	TOTAL NAPL ISO CONTOUR MAP OCTOBER 13, 2011	
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO	
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477	
NORTH	SCALE IN FEET 0 APPROXIMATE 60	DATE 12-1-12 / FIGURE 17



DRAFTED BY: W.G.S. (N.J.)	TOTAL NAPL ISO CONTOUR MAP OCTOBER 3, 2012
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
NORTH	SCALE IN FEET: 0 APPROXIMATE 60 / DATE: 12-14-12 / FIGURE: 18

M:\Graphics\3600-Houston\ExxonMobil\000\Major Projects\Gladiola Station\Gladiola Station SM.dwg, B-80, WShea



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DRAFTED BY: W.G.S. (N.J.)	GROUNDWATER CONTOUR MAP FEBRUARY 22, 2012
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
SCALE IN FEET	DATE: 12-1-12
FIGURE: 6	

LEGEND

- P — ACTIVE PIPELINE
- FP — INACTIVE PIPELINE
- x — FENCE
- MONITORING WELL
- OHU — OVERHEAD UTILITIES
- (3,831.53) GROUNDWATER ELEVATION (feet)
- GROUNDWATER CONTOUR

3831.10
3831.25
3831.40
3831.55
3831.70
3831.85
3832.00
(3,832.03)

MW1 (3,831.77)
MW2 (3,831.64)
MW3 (3,831.71)
MW4 (3,831.78)
MW5 (3,831.84)
MW6 (3,831.74)
MW7 (3,831.73)
MW8 (3,831.68)
MW9 (3,831.52)
MW10 (3,831.42)
MW11 (3,831.32)
MW12 (3,831.37)
MW13 (3,831.86)
MW14 (3,831.93)
MW15
MW16 (3,831.89)
MW17 (3,831.39)
MW18 (3,831.82)
MW19 (3,831.94)
MW20 (3,831.66)
MW21 (3,831.94)
MW22 (3,831.13)
MW23 (3,831.95)
MW24 (3,831.62)
MW25 (3,831.58)
MW26 (3,831.08)

APPARENT GROUNDWATER FLOW DIRECTION

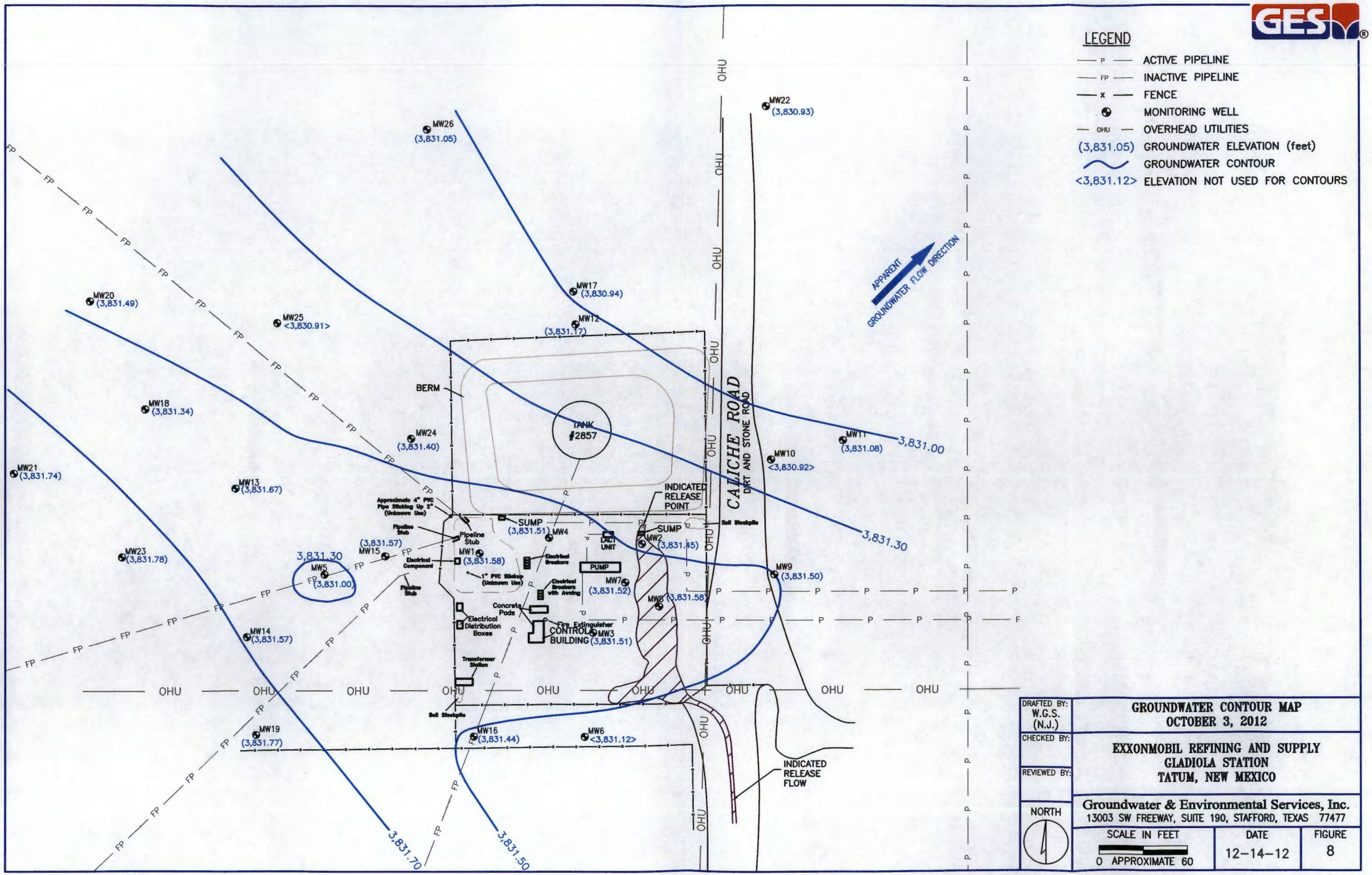
BERM
TANK #2857
SUMP
DOT UNIT
PUMP
Electrical Breakers
Electrical Breakers with Awning
Electrical Component
Pipeline Stub
Approximate 4" PVC Pipe Sticking Up 2" (Unknown Use)
1" PVC Stickup (Unknown Use)
Concrete Pads
Electrical Distribution Boxes
Fire Extinguisher
CONTROL BUILDING
Transformer Station
Soil Stockpile
INDICATED RELEASE POINT
INDICATED RELEASE FLOW

CALICHE ROAD
DIRT AND STONE ROAD

OHU
P
FP

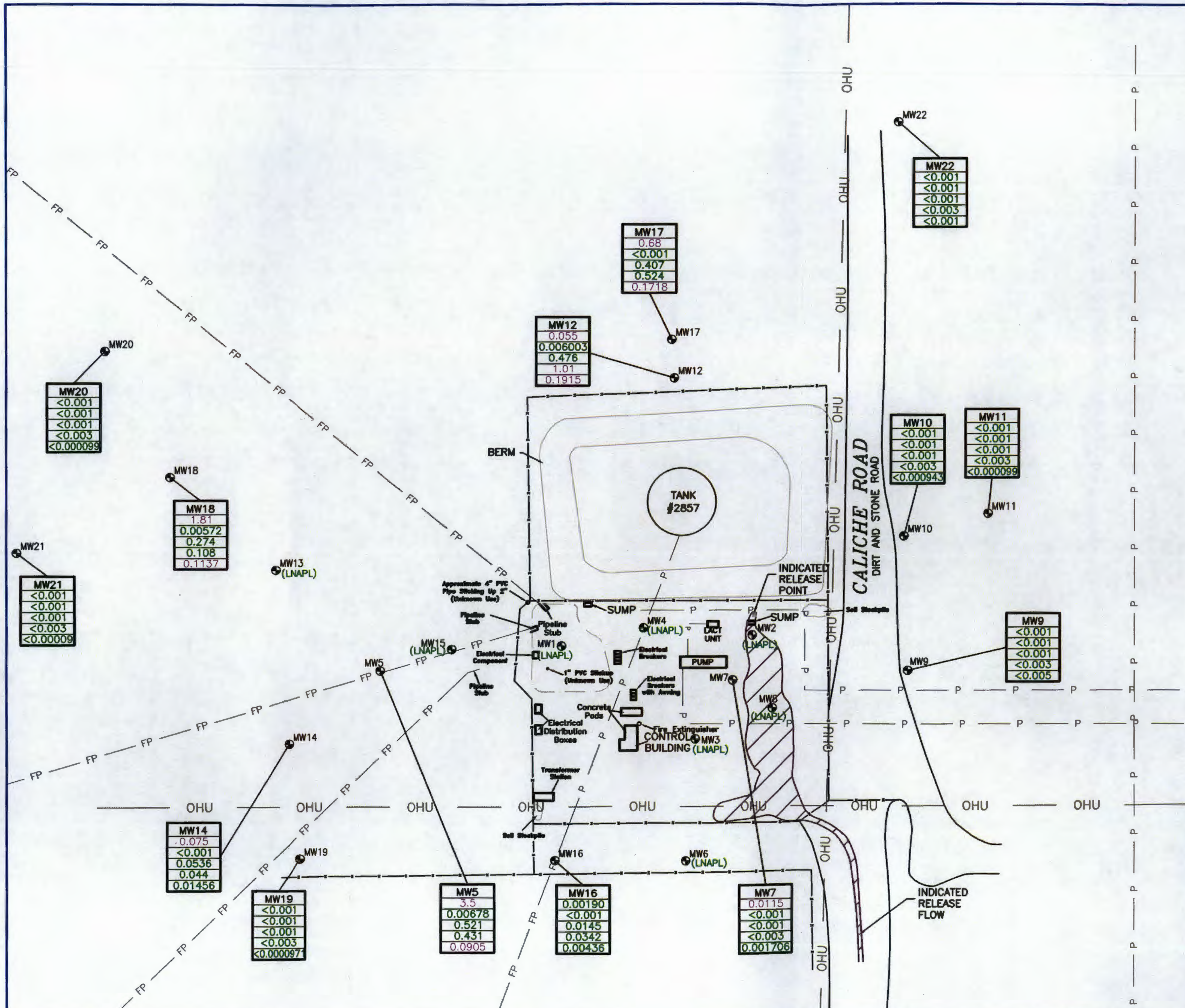
M:\Graphics\3600-Houston\ExxonMobil\0000\Major Projects\Gladiola Station\Gladiola Station SM.dwg, B-60, WShea

DRAFTED BY: W.G.S. (N.J.)	GROUNDWATER CONTOUR MAP JULY 17, 2012
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
NORTH	SCALE IN FEET: 0 APPROXIMATE 60 / DATE: 12-14-12 / FIGURE: 7



DRAFTED BY: W.G.S. (N.J.)	GROUNDWATER CONTOUR MAP OCTOBER 3, 2012
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
NORTH	SCALE IN FEET: 0 APPROXIMATE 60 / DATE: 12-14-12 / FIGURE: 8

M:\Graphics\3600-Houston\ExxonMobil\000Major Projects\Gladiola Station\Gladiola Station SM.dwg, B-60, WShea



LEGEND

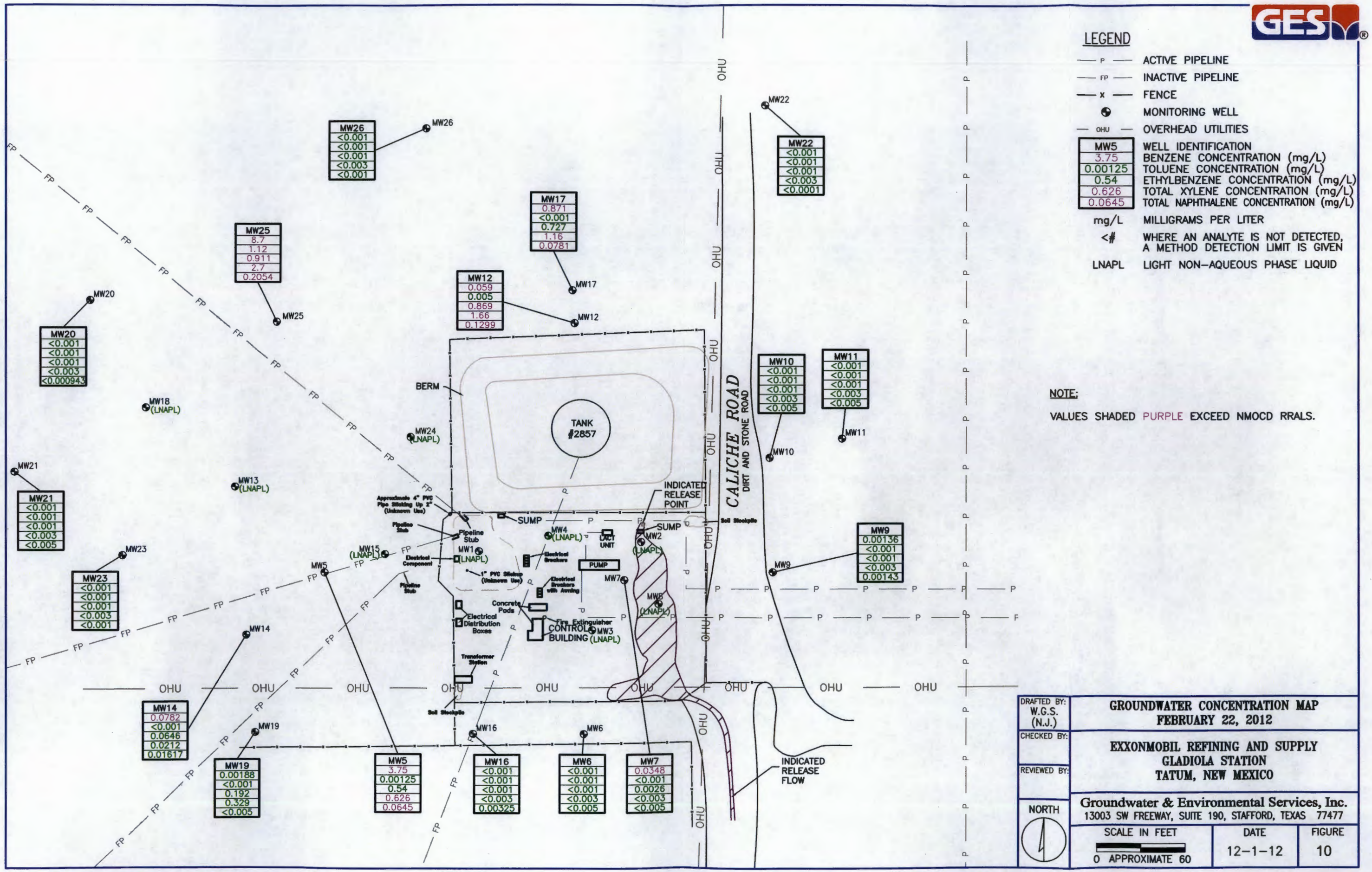
— P —	ACTIVE PIPELINE
— FP —	INACTIVE PIPELINE
— x —	FENCE
⊕	MONITORING WELL
— OHU —	OVERHEAD UTILITIES
MW5	WELL IDENTIFICATION
3.5	BENZENE CONCENTRATION (mg/L)
0.00678	TOLUENE CONCENTRATION (mg/L)
0.521	ETHYLBENZENE CONCENTRATION (mg/L)
0.431	TOTAL XYLENE CONCENTRATION (mg/L)
0.0905	TOTAL NAPHTHALENE CONCENTRATION (mg/L)
mg/L	MILLIGRAMS PER LITER
<#	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID

NOTE:

VALUES SHADED PURPLE EXCEED NMOCD RRALS.

DRAFTED BY: W.G.S. (N.J.)	**GROUNDWATER CONCENTRATION MAP** OCTOBER 13, 2011
CHECKED BY:	**EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO**
REVIEWED BY:	
NORTH	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
SCALE IN FEET 0 APPROXIMATE 60	DATE 12-1-12 / FIGURE 9

M:\Graphics\3600-Houston\ExxonMobil\000Major Projects\Gladiola Station\Gladiola Station SM.dwg, B-60, WShea



LEGEND

— P —	ACTIVE PIPELINE
— FP —	INACTIVE PIPELINE
— x —	FENCE
◕	MONITORING WELL
— OHU —	OVERHEAD UTILITIES
MW5	WELL IDENTIFICATION
3.75	BENZENE CONCENTRATION (mg/L)
0.00125	TOLUENE CONCENTRATION (mg/L)
0.54	ETHYLBENZENE CONCENTRATION (mg/L)
0.626	TOTAL XYLENE CONCENTRATION (mg/L)
0.0645	TOTAL NAPHTHALENE CONCENTRATION (mg/L)
mg/L	MILLIGRAMS PER LITER
<#	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID

NOTE:

VALUES SHADED PURPLE EXCEED NMOCD RRALS.

DRAFTED BY: W.G.S. (N.J.)	**GROUNDWATER CONCENTRATION MAP FEBRUARY 22, 2012**
CHECKED BY:	**EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO**
REVIEWED BY:	**Groundwater & Environmental Services, Inc.** 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
NORTH	SCALE IN FEET: 0 APPROXIMATE 60 / DATE: 12-1-12 / FIGURE: 10

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GES®

LEGEND

- P — ACTIVE PIPELINE
- FP — INACTIVE PIPELINE
- x — FENCE
- MONITORING WELL
- OHU — OVERHEAD UTILITIES

MW5	WELL IDENTIFICATION
2.68	BENZENE CONCENTRATION (mg/L)
<0.001	TOLUENE CONCENTRATION (mg/L)
0.419	ETHYLBENZENE CONCENTRATION (mg/L)
0.262	TOTAL XYLENE CONCENTRATION (mg/L)
0.1035	TOTAL NAPHTHALENE CONCENTRATION (mg/L)

- mg/L — MILLIGRAMS PER LITER
- <# — WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
- LNAPL — LIGHT NON-AQUEOUS PHASE LIQUID

NOTE:

VALUES SHADED PURPLE EXCEED NMOCD RRALS.

MW26
0.00177
<0.001
<0.001
<0.003
<0.005

MW22
<0.001
<0.001
<0.001
<0.003
<0.00190

MW17
0.649
0.00494
0.504
0.438
0.0991

MW12
0.050
0.0116
0.737
0.562
0.1404

MW20
<0.001
<0.001
<0.001
<0.003
<0.005

MW10
<0.001
<0.001
<0.001
<0.003
<0.005

MW11
<0.001
<0.001
<0.001
<0.003
<0.005

MW21
<0.001
<0.001
<0.001
<0.003
<0.005

MW23
<0.001
<0.001
<0.001
<0.003
<0.005

MW9
0.00529
<0.001
0.00654
0.0132
<0.005

MW14
0.0798
<0.001
0.0731
0.0535
0.02391

MW19
<0.001
<0.001
<0.001
<0.003
<0.005

MW5
2.68
<0.001
0.419
0.262
0.1035

MW16
0.00157
<0.001
0.01860
0.01050
0.00229

MW6
<0.001
<0.001
<0.001
<0.003
<0.005

MW18 (LNAPL), MW24 (LNAPL), MW25 (LNAPL), MW13 (LNAPL), MW15 (LNAPL), MW1 (LNAPL), MW4 (LNAPL), MW2 (LNAPL), MW7 (LNAPL), MW8 (LNAPL), MW3 (LNAPL)

BERM, TANK #2857, SUMP, PUMP, DUCT UNIT, Electrical Breakers, Electrical Breakers with Awning, Electrical Components, Electrical Distribution Boxes, Concrete Pads, Fire Extinguisher, CONTROL BUILDING, Transformer Station, Pipeline Stub, Approximate 4" PVC Pipe Sticking Up 3" (Unknown Use), 1" PVC Stickup (Unknown Use), Soil Stockpile

INDICATED RELEASE POINT

INDICATED RELEASE FLOW

CALICHE ROAD
DIRT AND STONE ROAD

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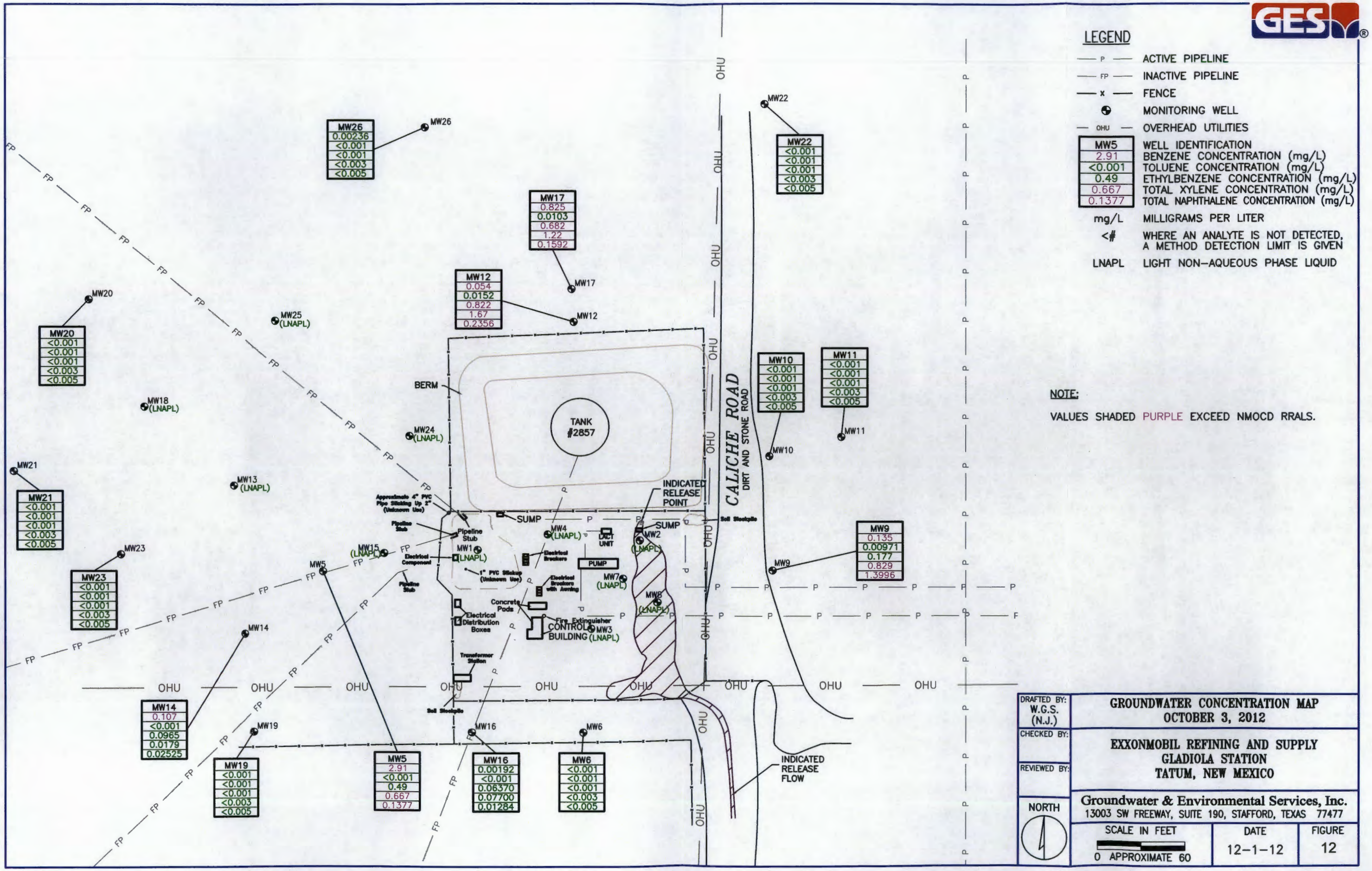
DRAFTED BY: W.G.S. (N.J.)	GROUNDWATER CONCENTRATION MAP JULY 17, 2012	
CHECKED BY:	EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO	
REVIEWED BY:	Groundwater & Environmental Services, Inc. 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477	
NORTH	SCALE IN FEET 0 APPROXIMATE 60	DATE 12-1-12 / FIGURE 11



LEGEND

— P —	ACTIVE PIPELINE
— FP —	INACTIVE PIPELINE
— x —	FENCE
⊕	MONITORING WELL
— OHU —	OVERHEAD UTILITIES
MW5	WELL IDENTIFICATION
2.91	BENZENE CONCENTRATION (mg/L)
<0.001	TOLUENE CONCENTRATION (mg/L)
0.49	ETHYLBENZENE CONCENTRATION (mg/L)
0.667	TOTAL XYLENE CONCENTRATION (mg/L)
0.1377	TOTAL NAPHTHALENE CONCENTRATION (mg/L)
mg/L	MILLIGRAMS PER LITER
<#	WHERE AN ANALYTE IS NOT DETECTED, A METHOD DETECTION LIMIT IS GIVEN
LNAPL	LIGHT NON-AQUEOUS PHASE LIQUID

NOTE:

VALUES SHADED PURPLE EXCEED NMOCD RRALS.

DRAFTED BY: W.G.S. (N.J.)	**GROUNDWATER CONCENTRATION MAP OCTOBER 3, 2012**
CHECKED BY:	**EXXONMOBIL REFINING AND SUPPLY GLADIOLA STATION TATUM, NEW MEXICO**
REVIEWED BY:	**Groundwater & Environmental Services, Inc.** 13003 SW FREEWAY, SUITE 190, STAFFORD, TEXAS 77477
NORTH	SCALE IN FEET: 0 APPROXIMATE 60 / DATE: 12-1-12 / FIGURE: 12

M:\Graphics\3600-Houston\ExxonMobil\000Major Projects\Gladiola Station\Gladiola Station SM.dwg, B-80, WShea

TABLES

Table 1

SOIL ANALYTICAL DATA

Gladiola Station
Lea County, New Mexico

Sample ID	Date	Depth (feet)	Benzene (mg/kg)	Ethyl-Benzene (mg/kg)	Toluene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (8015B) TPH DRO (mg/kg)	TPH GRO (mg/kg)	Total TPH (mg/kg)
NMOCD Site RRALS (in mg/kg)			**10**	--	--	--	**50**	--	--	**100**
SB - 1	5/14/2004	0 - 2	<0.001	<0.001	<0.001	<0.001	BDL	<5	<0.1	BDL
	5/14/2004	4 - 5	<0.001	<0.001	<0.001	<0.001	BDL	6.7	<0.1	6.7
SB - 2 (MW-1)	5/13/2004	4 - 5	<0.100	<0.100	2.100	4.240	6.340	3,300	750	**4,050**
	5/13/2004	14 - 15	<0.025	<0.025	0.610	2.288	2.898	1,200	190	**1,390**
	5/13/2004	29 - 30	<0.025	0.063	0.470	1.380	1.913	360	56	**416**
	5/13/2004	39 - 40	<0.001	<0.001	<0.001	<0.001	BDL	9	0.11	9.11
SB - 3	5/12/2004	4 - 5	<0.001	<0.001	<0.001	<0.001	BDL	23	<0.1	23
	5/12/2004	19 - 20	<0.001	<0.001	<0.001	<0.001	BDL	<5	<0.1	BDL
	5/12/2004	29 - 30	<0.250	2.200	6.200	16.200	24.600	56	380	**436**
	5/12/2004	39 - 40	<0.001	<0.001	<0.001	0.0018	0.0018	14	0.11	14.11
SB - 4	5/13/2004	4 - 5	0.140	0.110	1.500	1.410	3.160	4,000	480	**4,480**
	5/13/2004	14 - 15	0.470	<0.100	5.800	21.200	27.470	3,900	1,100	**5,000**
	5/13/2004	29 - 30	<0.025	<0.025	0.180	0.290	0.470	270	30	**300**
	5/13/2004	34 - 35	<0.025	<0.025	0.110	0.180	0.290	330	20	**350**
SB - 5	5/13/2004	34 - 35	0.0022	0.018	0.073	0.103	0.1962	240	15	**255**
(MW-2)	5/13/2004	39 - 40	<0.001	<0.001	0.0018	0.0034	0.0052	9.7	0.62	10.32
SB - 6 (MW-3)	5/13/2004	0 - 3	<0.001	<0.001	<0.001	<0.001	BDL	18	<0.1	18
	5/13/2004	24 - 25	<0.001	<0.001	<0.001	<0.001	BDL	6	<0.1	6
	5/13/2004	44 - 45	<0.001	<0.001	<0.001	<0.001	BDL	13	0.21	13.21
SB - 7	5/14/2004	24 - 25	<0.001	<0.001	<0.001	<0.001	BDL	8.1	<0.1	8.1
MW-4	6/14/2006	9-10	0.134	0.177	2.800	13.6	16.711	2740	713	**3453**
	6/14/2006	19-20	<0.00101	<0.00101	<0.00101	<0.00303	BDL	68.7	<0.101	68.7
	6/14/2006	24-25	<0.00101	<0.00101	<0.00101	<0.00300	BDL	117	0.186	**117.186**
MW-5	6/14/2006	9-10	0.00144	0.00142	<0.000994	<0.00298	0.00286	17.9	<0.0994	17.9
	6/14/2006	14-15	0.00268	0.00208	<0.000990	<0.00297	0.00476	9.76	<0.0990	9.76
MW-6	6/14/2006	4-5	0.00132	0.00134	<0.00100	<0.00301	0.00266	202	<0.100	**202**
	6/14/2006	19-20	0.00156	0.00133	<0.00101	<0.00302	0.00289	<4.93	<0.101	BDL
	6/14/2006	24-25	<0.00100	<0.00100	<0.00100	<0.00300	BDL	<4.92	<0.100	BDL
MW-7	6/15/2006	9-10	<0.000990	<0.000990	<0.000990	<0.00297	BDL	<4.90	<0.0990	BDL
	6/15/2006	19-20	<0.000990	<0.000990	<0.000990	<0.00297	BDL	<4.83	<0.0990	BDL
	6/15/2006	24-25	<0.00100	0.00100	0.00146	0.00541	0.00787	171	0.713	**171.713**
MW-8	6/15/2006	9-10	<0.00100	<0.00100	<0.00100	0.00387	0.00387	1720	0.224	**1720.224**
	6/15/2006	14-15	<0.00101	<0.00101	<0.00101	<0.00302	BDL	538	<0.101	**538**
	6/15/2006	24-25	<0.00101	<0.00101	<0.00101	<0.00302	BDL	37.7	<0.101	37.7
MW-9	6/13/2006	4-5	0.00242	0.00299	<0.00101	<0.00303	0.00541	<4.82	<0.101	BDL
	6/13/2006	14-15	<0.00100	<0.00100	<0.00100	<0.00300	BDL	<4.83	<0.100	BDL
	6/13/2006	29-30	<0.00101	<0.00101	<0.00101	<0.00303	BDL	24.5	<0.101	24.5
MW-10	6/13/2006	9-10	<0.00100	<0.00100	<0.00100	<0.00301	BDL	<4.82	<0.100	BDL
	6/13/2006	19-20	<0.000990	<0.000990	<0.000990	<0.00297	BDL	<4.93	<0.0990	BDL
	6/13/2006	24-25	0.00144	0.00142	<0.00101	<0.00303	0.00286	<4.85	<0.101	BDL
SB-9	6/15/2006	9-10	<0.00100	<0.00100	<0.00100	<0.00301	BDL	<4.83	<0.100	BDL
	6/15/2006	14-15	<0.000990	<0.000990	<0.000990	<0.00297	BDL	<4.84	<0.0990	BDL
	6/15/2006	24-25	<0.00101	<0.00101	<0.00101	<0.00303	BDL	9.42	<0.101	9.42

Table 1

SOIL ANALYTICAL DATA

Gladiola Station
Lea County, New Mexico

Sample ID	Date	Depth (feet)	Benzene (mg/kg)	Ethyl-Benzene (mg/kg)	Toluene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (8015B) TPH DRO (mg/kg)	TPH GRO (mg/kg)	Total TPH (mg/kg)
NMOCD Site RRALS (in mg/kg)			**10**	**--**	**--**	**--**	**50**	**--**	**--**	**100**
SB-11	6/14/2006	4-5	<0.00100	<0.00100	<0.00100	<0.00301	BDL	5.88	<0.100	5.88
	6/14/2006	14-15	<0.00101	<0.00101	<0.00101	<0.00303	BDL	<4.98	<0.101	BDL
	6/14/2006	24-25	<0.00100	<0.00100	<0.00100	<0.00301	BDL	<4.81	<0.100	BDL
MW-11	4/28/2008	4-5	0.00163	<0.000971	<0.000971	<0.00291	0.00163	<4.95	<0.0971	BDL
	4/28/2008	14-15	<0.00100	<0.00100	<0.00100	<0.00300	BDL	<4.91	<0.100	BDL
	4/28/2008	19-20	0.00109	<0.000986	<0.000986	<0.00296	0.00109	<4.96	<0.0986	BDL
	4/28/2008	34-35	<0.000978	<0.000978	<0.000978	<0.00294	BDL	<4.96	<0.0978	BDL
MW-12	4/29/2008	4-5	0.00272	<0.000952	<0.000952	<0.00286	0.00272	<4.91	<0.0952	BDL
	4/29/2008	14-15	<0.000986	<0.000986	<0.000986	<0.00296	BDL	<4.90	<0.0986	BDL
	4/29/2008	24-25	0.00100	<0.000945	<0.000945	<0.00284	0.00100	<4.86	<0.0945	BDL
	4/29/2008	29-30	<0.000988	<0.000988	<0.000988	<0.00296	BDL	52.4	<0.0988	52.4
MW-13	4/29/2008	4-5	0.00178	0.000951	0.000951	<0.00285	0.00178	<4.92	<0.0951	BDL
	4/29/2008	9-10	<0.000945	<0.000945	<0.000945	<0.00284	BDL	<4.86	<0.0945	BDL
	4/29/2008	24-25	0.00124	<0.000996	<0.000996	<0.00299	0.00124	<4.83	<0.0996	BDL
	4/29/2008	29-30	<0.000977	0.0439	0.00549	0.274	0.323	577	9.94	**586.94**
MW-14	4/29/2008	4-5	0.00190	<0.000947	<0.000947	<0.00284	0.00190	<4.84	<0.0947	BDL
	4/29/2008	9-10	<0.000980	<0.000980	<0.000980	<0.00294	BDL	<4.82	<0.0980	BDL
	4/29/2008	19-20	<0.000971	<0.000971	<0.000971	<0.00291	BDL	<4.95	<0.0971	BDL
	4/29/2008	29-30	<0.000984	<0.000984	<0.000984	<0.00295	BDL	133	<0.0984	**133**
MW-15	4/29/2008	4-5	0.00167	<0.000988	<0.000988	<0.00296	0.00167	<4.85	<0.0988	BDL
	4/29/2008	9-10	<0.000998	<0.000998	<0.000998	<0.00299	BDL	<4.97	<0.0998	BDL
	4/29/2008	24-25	<0.000975	<0.000975	<0.000975	<0.00292	BDL	11.4	<0.0975	11.4
	4/29/2008	29-30	<0.000977	<0.000977	<0.000977	0.00602	0.00602	175	0.940	**175.940**
MW-16	4/28/2008	4-5	0.00159	<0.000984	<0.000984	<0.00295	0.00159	<4.97	<0.0984	BDL
	4/28/2008	14-15	<0.000998	<0.000998	<0.000998	<0.00299	BDL	<4.89	<0.0998	BDL
	4/28/2008	19-20	<0.000988	<0.000988	<0.000988	<0.00296	BDL	<4.97	<0.0988	BDL
	4/28/2008	29-30	<0.000988	<0.000988	<0.000988	<0.00296	BDL	35.5	<0.0988	35.5
SB-12	4/29/2008	9-10	0.00382	2.51	0.0512	13.6	16.2	3,820	679	**4,499**
	4/29/2008	14-15	0.00226	2.20	0.118	16.0	18.3	4,310	419	**4,729**
	4/29/2008	29-30	0.00381	1.56	0.0913	7.67	9.33	1,300	250	**1,550**
SB-13	4/29/2008	4-5	<0.000967	<0.000967	<0.000967	<0.00290	BDL	9.25	0.294	9.544
	4/29/2008	19-20	<0.000992	<0.000992	<0.000992	<0.00298	BDL	<4.99	<0.0992	BDL
	4/29/2008	29-30	<0.000978	<0.000978	<0.000978	<0.00294	BDL	<4.84	<0.0978	BDL
MW-17	8/13/2009	5-10	<0.000870	<0.000870	<0.000870	<0.00261	BDL	9.69	<0.0870	9.69
	8/13/2009	15-20	<0.000917	<0.000917	<0.000917	<0.00275	BDL	14.7	<0.0917	14.7
	8/13/2009	20-25	<0.000982	<0.000982	<0.000982	<0.00295	BDL	<4.96	<0.0982	BDL
	8/13/2009	30-35	<0.000963	<0.000963	<0.000963	<0.00289	BDL	48.3	<0.0963	48.3
MW-18	8/13/2009	0-5	<0.000960	<0.000960	<0.000960	<0.00288	BDL	5.70	<0.0960	5.70
	8/13/2009	15-20	<0.00931	<0.00931	<0.00931	<0.00279	BDL	<4.90	<0.0931	BDL
	8/13/2009	25-30	0.00153	0.00900	0.00503	0.0957	0.11126	296	3.89	**299.89**
MW-19	8/13/2009	5-10	<0.000835	<0.000835	<0.000835	<0.00250	BDL	10.2	<0.0835	10.2
	8/13/2009	10-15	<0.000931	<0.000931	<0.000931	<0.00279	BDL	7.03	<0.0931	7.03
	8/13/2009	25-30	<0.000882	<0.000882	<0.000882	<0.00265	BDL	5.59	<0.0882	5.59
MW-20	8/14/2009	5-10	<0.000876	<0.000876	<0.000876	<0.00263	BDL	9.33	<0.0876	9.33
	8/14/2009	10-15	<0.000893	<0.000893	<0.000893	<0.00268	BDL	<4.88	<0.0893	BDL
	8/14/2009	25-30	<0.000864	<0.000864	<0.000864	<0.00259	BDL	14.0	<0.0864	14.0
MW-21	8/14/2009	5-10	<0.000896	<0.000896	<0.000896	<0.00269	BDL	<4.96	<0.0896	BDL
	8/14/2009	15-20	<0.000880	<0.000880	<0.000880	<0.00264	BDL	<4.99	<0.0880	BDL
	8/14/2009	25-30	<0.000952	<0.000952	<0.000952	<0.00286	BDL	<4.94	<0.0952	BDL
SB-14	8/14/2009	4-6	<0.000956	<0.000956	<0.000956	<0.00287	BDL	5.69	<0.0956	5.69
	8/14/2009	10-12	<0.000911	<0.000911	<0.000911	<0.00273	BDL	<4.97	<0.0911	BDL
	8/14/2009	24-26	0.0034	0.0358	0.0191	0.124	0.1823	354	3.43	**357.43**
SB-15	8/14/2009	8-10	0.00405	0.0157	0.0172	0.395	0.43195	1,350	9.89	**1,359.89**
	8/14/2009	12-14	0.0228	0.0545	0.117	0.585	0.7793	1,230	16.8	**1,246.8**

Table 1

SOIL ANALYTICAL DATA

Gladiola Station
Lea County, New Mexico

Sample ID	Date	Depth (feet)	Benzene (mg/kg)	Ethyl-Benzene (mg/kg)	Toluene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)	TPH (8015B)		
								TPH DRO (mg/kg)	TPH GRO (mg/kg)	Total TPH (mg/kg)
NMOCD Site RRALS (in mg/kg)			**10**	--	--	--	**50**	--	--	**100**
	8/14/2009	22-24	0.00689	0.0956	0.0600	0.483	0.64549	746	10.1	**756.1**
MW-22	10/15/2009	0-5	<0.000890	<0.000890	<0.000890	<0.00267	BDL	58.0 H1	<4.88 H1	58.0 H1
	10/15/2009	15-20	<0.000998	<0.000998	<0.000998	<0.00299	BDL	5.59 H1	<4.80 H1	5.59 H1
	10/15/2009	25-30	<0.000940	<0.000940	<0.000940	<0.00282	BDL	6.84 H1	<4.54 H1	6.84 H1
	10/15/2009	30-35	<0.000865	<0.000865	<0.000865	<0.00260	BDL	<4.98 H1	<5.00 H1	BDL
SB-1	10/26/2011	15-17	<0.00133	<0.00133	<0.00133	<0.00398	BDL	<4.84	<0.133	BDL
	10/26/2011	35-37	<0.0011	<0.0011	0.00236	<0.00329	0.00236	<4.95	<0.11	BDL
SB-2	10/26/2011	25-27	<0.00113	<0.00113	<0.00113	<0.0034	BDL	<4.87	<0.113	BDL
	10/26/2011	35-37	0.00274	<0.00167	0.00346	<0.005	0.0062	16.6	<0.167	16.6
SB-3	10/26/2011	30-32	0.0154	0.0404	0.0277	0.118	0.2015	289	4.34	**293.3**
	10/26/2011	35-37	0.0199	0.0325	0.0249	0.087	0.1643	107	3.45	**110.5**
SB-4	10/26/2011	30-32	<0.00124	0.00723	0.00592	0.0604	0.07355	47.8	1.63	49.4
	10/27/2011	38-40	0.0128	0.0217	0.0121	0.107	0.1536	47.8	3.38	51.2
SB-5	10/27/2011	30-32	0.0461	0.135	0.0524	0.435	0.6685	68	10.8	78.8
	10/27/2011	35-37	0.00662	0.0179	0.00917	0.0587	0.09239	91.5	1.87	93.4
SB-6	10/27/2011	30-32	<0.00136	<0.00136	<0.00136	0.00506	0.00506	13.3	0.248	13.5
	10/27/2011	35-37	<0.00152	<0.00152	0.00305	<0.00457	0.00305	<4.96	<0.152	BDL
SB-7	10/27/2011	30-32	0.00237	<0.00156	0.00483	0.0193	0.0265	81.2	0.607	81.8
	10/27/2011	35-37	0.00254	0.00801	0.00498	0.0501	0.06563	57.3	1.35	58.7

Notes:

NMOCD RRAL = New Mexico Oil Conservation Division Recommended Remediation Action Levels for sites with Total Ranking Score >19

BTEX analysis by EPA Method 8021B; TPH analysis by EPA Method 8015B

BDL - Below Detection Limits

Bold - concentration exceeds the RRAL

H1 - Sample analysis performed past the method-specified holding time

Table 2

GROUNDWATER GAUGING SUMMARY

Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-1	05/17/04	3,863.81	32.74	ND	ND	3,831.07
Screened	11/30/04	3,863.81	30.83	28.40	**2.43**	3,835.00
(22.71-42.71)	05/05/05	3,863.81	29.20	28.43	**0.77**	3,835.25
	07/20/06	3,863.81	28.71	28.13	**0.58**	3,835.58
	02/06/07	3,863.81	28.92	28.46	**0.46**	3,835.27
	04/15/08	3,863.81	29.45	29.06	**0.39**	3,834.68
	09/20/08	3,863.81	29.58	29.24	**0.34**	3,834.51
	02/15/09	3,863.81	30.50	30.15	**0.35**	3,833.60
	05/19/09	3,863.81	30.85	30.42	**0.43**	3,833.32
	08/18/09	3,865.14	31.75	31.40	**0.35**	3,833.68
	10/29/09	3,865.14	31.73	31.45	**0.28**	3,833.64
	10/12/11	3,865.14	34.60	34.05	**0.55**	3,831.00
	02/22/12	3,865.14	34.85	34.40	**0.45**	3,830.66
	07/17/12	3,866.63	35.26	34.78	**0.48**	3,831.77
	10/03/12	3,866.63	35.42	34.97	**0.45**	3,831.58
MW-2	05/17/04	3,867.89	37.04	ND	ND	3,830.85
Screened	11/30/04	3,867.89	35.61	33.68	**1.93**	3,833.88
(27.59 - 47.59)	05/05/05	3,867.89	33.36	32.91	**0.45**	3,834.90
	07/20/06	3,867.89	33.14	32.90	**0.24**	3,834.95
	02/06/07	3,867.89	33.07	32.95	**0.12**	3,834.92
	04/15/08	3,867.89	38.81	32.37	**6.44**	3,834.43
	09/20/08	3,867.89	38.97	32.92	**6.05**	3,833.94
	02/15/09	3,867.89	38.95	33.52	**5.43**	3,833.45
	05/19/09	3,867.89	38.63	34.01	**4.62**	3,833.09
	08/18/09	3,867.89	39.00	34.15	**4.85**	3,832.92
	10/29/09	3,867.89	38.98	34.21	**4.77**	3,832.87
	10/12/11	3,867.89	39.46	36.58	**2.88**	3,830.82
	02/22/12	3,867.89	39.73	36.93	**2.80**	3,830.48
	07/17/12	3,869.40	40.19	37.26	**2.93**	3,831.64
	10/03/12	3,869.40	40.29	37.47	**2.82**	3,831.45
MW-3	05/17/04	3,863.72	32.79	ND	ND	3,830.93
Screened	11/30/04	3,863.72	30.08	29.64	**0.44**	3,834.01
(24.20 - 44.20)	05/05/05	3,863.72	28.90	28.66	**0.24**	3,835.02
	07/20/06	3,863.72	28.87	28.62	**0.25**	3,835.06
	02/06/07	3,863.72	28.79	28.68	**0.11**	3,835.02
	04/15/08	3,863.72	29.42	29.20	**0.22**	3,834.48
	09/20/08	3,863.72	29.99	29.79	**0.20**	3,833.90
	02/15/09	3,863.72	29.90	29.75	**0.15**	3,833.94
	05/19/09	3,863.72	30.82	30.53	**0.29**	3,833.14
	08/18/09	3,863.72	31.15	30.80	**0.35**	3,832.86
	10/29/09	3,863.72	31.16	30.83	**0.33**	3,832.83
	10/12/11	3,863.72	33.10	32.72	**0.38**	3,830.94
	02/22/12	3,863.72	33.30	33.11	**0.19**	3,830.58
	07/17/12	3,865.25	33.80	33.49	**0.31**	3,831.71
	10/03/12	3,865.25	33.94	33.70	**0.24**	3,831.51

Table 2

GROUNDWATER GAUGING SUMMARY

Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-4	07/20/06	3,864.66	29.57	ND	ND	3,835.09
Screened	02/06/07	3,864.66	29.66	ND	ND	3,835.00
(23.97 - 38.97)	04/15/08	3,864.66	30.21	ND	ND	3,834.45
	09/20/08	3,864.66	30.75	30.73	**0.02**	3,833.93
	02/15/09	3,864.66	31.09	31.08	**0.01**	3,833.58
	05/19/09	3,864.66	31.73	31.53	**0.20**	3,833.10
	08/18/09	3,864.66	31.82	31.65	**0.17**	3,832.98
	10/29/09	3,864.66	31.80	31.68	**0.12**	3,832.96
	10/12/11	3,864.66	34.09	33.68	**0.41**	3,830.91
	02/22/12	3,864.66	34.58	34.02	**0.56**	3,830.54
	07/17/12	3,866.18	35.21	34.24	**0.97**	3,831.78
	10/03/12	3,866.18	36.07	34.38	**1.69**	3,831.51
MW-5	07/20/06	3,866.99	31.82	ND	ND	3,835.17
Screened	02/06/07	3,866.99	31.93	ND	ND	3,835.06
(27.19 - 47.19)	04/15/08	3,866.99	32.45	ND	ND	3,834.54
	09/20/08	3,866.99	33.07	ND	ND	3,833.92
	02/15/09	3,866.99	33.54	ND	ND	3,833.45
	05/19/09	3,866.99	33.83	ND	ND	3,833.16
	08/18/09	3,866.99	34.15	ND	ND	3,832.84
	10/29/09	3,866.99	34.35	ND	ND	3,832.64
	10/12/11	3,866.99	36.02	ND	ND	3,830.97
	02/22/12	3,866.99	36.85	ND	ND	3,830.14
	07/17/12	3,868.54	36.70	ND	ND	3,831.84
	10/03/12	3,868.54	37.54	ND	ND	3,831.00
MW-6	07/20/06	3,867.00	31.84	ND	ND	3,835.16
Screened	02/06/07	3,867.00	31.93	ND	ND	3,835.07
(27.05 - 42.05)	04/15/08	3,867.00	32.51	ND	ND	3,834.49
	09/20/08	3,867.00	33.08	ND	ND	3,833.92
	02/15/09	3,867.00	33.51	ND	ND	3,833.49
	05/18/09	3,867.00	33.87	ND	ND	3,833.13
	08/18/09	3,867.00	34.15	ND	ND	3,832.85
	10/29/09	3,867.00	34.35	ND	ND	3,832.65
	11/19/09	3,867.00	34.42	ND	ND	3,832.58
	10/12/11	3,867.00	36.14	ND	ND	3,830.86
	02/22/12	3,867.00	38.65	ND	ND	3,828.35
	07/17/12	3,868.52	36.78	ND	ND	3,831.74
	10/03/12	3,868.52	37.40	ND	ND	3,831.12
MW-7	07/20/06	3,864.14	29.05	ND	ND	3,835.09
Screened	02/06/07	3,864.14	29.08	ND	ND	3,835.06
(24.35 - 39.35)	04/15/08	3,864.14	29.67	ND	ND	3,834.47
	09/20/08	3,864.14	30.17	ND	ND	3,833.97
	02/15/09	3,864.14	30.54	ND	ND	3,833.60
	05/18/09	3,864.14	31.08	ND	ND	3,833.06
	08/18/09	3,864.14	31.20	ND	ND	3,832.94
	10/29/09	3,864.14	31.29	ND	ND	3,832.85
	10/12/11	3,864.14	33.24	ND	ND	3,830.90
	02/22/12	3,864.14	34.20	ND	ND	3,829.94
	07/17/12	3,865.67	33.96	33.94	**0.02**	3,831.73
	10/03/12	3,865.67	34.16	34.15	**0.01**	3,831.52

Table 2

GROUNDWATER GAUGING SUMMARY

Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-8	07/20/06	3,863.80	28.74	ND	ND	3,835.06
Screened	02/06/07	3,863.80	28.82	ND	ND	3,834.98
(23.05 - 38.05)	04/15/08	3,863.80	29.40	ND	ND	3,834.40
	09/20/08	3,863.80	29.92	ND	ND	3,833.88
	02/15/09	3,863.80	30.31	ND	ND	3,833.49
	05/18/09	3,863.80	30.72	ND	ND	3,833.08
	08/18/09	3,863.80	29.95	ND	ND	3,833.85
	10/29/09	3,863.80	29.99	ND	ND	3,833.81
	10/12/11	3,863.80	NM	NM	NM	NM
	02/22/12	3,863.80	33.40	33.38	**0.02**	3,830.42
	07/17/12	3,865.32	33.80	33.61	**0.19**	3,831.68
	10/03/12	3,865.32	33.96	33.70	**0.26**	3,831.58
MW-9	07/20/06	3,868.29	33.48	ND	ND	3,834.81
Screened	02/06/07	3,868.29	33.60	ND	ND	3,834.69
(27.64 - 42.64)	04/15/08	3,868.29	34.10	ND	ND	3,834.19
	09/20/08	3,868.29	34.66	ND	ND	3,833.63
	02/15/09	3,868.29	35.16	ND	ND	3,833.13
	05/18/09	3,868.29	35.44	ND	ND	3,832.85
	08/18/09	3,868.29	35.70	ND	ND	3,832.59
	10/29/09	3,868.29	35.93	ND	ND	3,832.36
	10/12/11	3,868.29	37.66	ND	ND	3,830.63
	02/22/12	3,868.29	38.49	ND	ND	3,829.80
	07/17/12	3,869.82	38.30	ND	ND	3,831.52
	10/03/12	3,869.82	38.40	38.30	**0.10**	3,831.50
MW-10	07/20/06	3,868.85	34.10	ND	ND	3,834.75
Screened	02/06/07	3,868.85	34.22	ND	ND	3,834.63
(28.08 - 43.08)	04/15/08	3,868.85	34.76	ND	ND	3,834.09
	09/20/08	3,868.85	35.34	ND	ND	3,833.51
	02/15/09	3,868.85	35.84	ND	ND	3,833.01
	05/18/09	3,868.85	36.12	ND	ND	3,832.73
	08/18/09	3,868.85	36.40	ND	ND	3,832.45
	10/29/09	3,868.85	36.61	ND	ND	3,832.24
	11/19/09	3,868.85	36.65	ND	ND	3,832.20
	10/12/11	3,868.85	38.30	ND	ND	3,830.55
	02/22/12	3,868.85	38.83	ND	ND	3,830.02
	07/17/12	3,870.38	38.96	ND	ND	3,831.42
	10/03/12	3,870.38	39.46	ND	ND	3,830.92
MW-11	04/30/08	3,868.06	31.50	ND	ND	3,836.56
Screened	09/20/08	3,868.06	34.65	ND	ND	3,833.41
(29.00-44.00)	02/15/09	3,868.06	35.12	ND	ND	3,832.94
	05/18/09	3,868.06	35.42	ND	ND	3,832.64
	08/18/09	3,868.06	35.75	ND	ND	3,832.31
	10/29/09	3,868.06	35.95	ND	ND	3,832.11
	10/12/11	3,868.06	37.60	ND	ND	3,830.46
	02/22/12	3,868.06	38.06	ND	ND	3,830.00
	07/17/12	3,869.58	38.26	ND	ND	3,831.32
	10/03/12	3,869.58	38.50	ND	ND	3,831.08

Table 2

GROUNDWATER GAUGING SUMMARY

Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-12	04/30/08	3,867.74	31.50	ND	ND	3,836.24
Screened	09/20/08	3,867.74	34.12	ND	ND	3,833.62
(30.00-45.00)	02/15/09	3,867.74	34.67	ND	ND	3,833.07
	05/19/09	3,867.74	34.98	ND	ND	3,832.76
	08/18/09	3,867.74	35.20	ND	ND	3,832.54
	10/29/09	3,867.74	35.45	ND	ND	3,832.29
	10/12/11	3,867.74	37.12	ND	ND	3,830.62
	02/22/12	3,867.74	37.46	ND	ND	3,830.28
	07/17/12	3,869.27	37.90	ND	ND	3,831.37
	10/03/12	3,869.27	38.10	ND	ND	3,831.17
MW-13	04/30/08	3,867.11	29.65	ND	ND	3,837.46
Screened	09/20/08	3,867.11	33.11	ND	ND	3,834.00
(30.00-45.00)	02/15/09	3,867.11	33.62	ND	ND	3,833.49
	05/19/09	3,867.11	33.88	ND	ND	3,833.23
	08/18/09	3,867.11	34.32	34.20	**0.12**	3,832.89
	10/29/09	3,867.11	34.45	34.38	**0.07**	3,832.72
	10/12/11	3,867.11	36.90	35.95	**0.95**	3,831.00
	02/22/12	3,867.11	37.78	37.10	**0.68**	3,829.89
	07/17/12	3,868.63	38.85	36.35	**2.50**	3,831.86
	10/03/12	3,868.63	39.02	36.54	**2.48**	3,831.67
MW-14	04/30/08	3,866.92	29.48	ND	ND	3,837.44
Screened	09/20/08	3,866.92	32.82	ND	ND	3,834.10
(27.00-42.00)	02/15/09	3,866.92	33.37	ND	ND	3,833.55
	05/19/09	3,866.92	33.64	ND	ND	3,833.28
	08/18/09	3,866.92	33.98	ND	ND	3,832.94
	10/29/09	3,866.92	34.15	ND	ND	3,832.77
	10/12/11	3,866.92	35.85	ND	ND	3,831.07
	02/22/12	3,866.92	36.19	ND	ND	3,830.73
	07/17/12	3,868.47	36.54	ND	ND	3,831.93
	10/03/12	3,868.47	36.90	ND	ND	3,831.57
MW-15	04/30/08	3,867.19	29.74	ND	ND	3,837.45
Screened	09/20/08	3,867.19	33.26	33.25	**0.01**	3,833.94
(29.00-44.00)	02/15/09	3,867.19	33.82	33.73	**0.09**	3,833.44
	05/19/09	3,867.19	34.20	34.04	**0.16**	3,833.12
	08/18/09	3,867.19	34.40	34.25	**0.15**	3,832.91
	10/29/09	3,867.19	34.60	34.48	**0.12**	3,832.69
	10/12/11	3,867.19	38.04	35.80	**2.24**	3,831.01
	02/22/12	3,867.19	38.41	36.09	**2.32**	3,830.71
	07/17/12	3,868.74	38.20	36.40	**1.80**	3,832.03
	10/03/12	3,868.74	39.95	36.60	**3.35**	3,831.57
MW-16	04/30/08	3,867.02	29.95	ND	ND	3,837.07
Screened	09/20/08	3,867.02	32.94	ND	ND	3,834.08
(26.50-41.50)	02/15/09	3,867.02	33.39	ND	ND	3,833.63
	05/18/09	3,867.02	33.73	ND	ND	3,833.29
	08/18/09	3,867.02	34.00	ND	ND	3,833.02
	10/29/09	3,867.02	34.17	ND	ND	3,832.85
	10/12/11	3,867.02	35.95	ND	ND	3,831.07
	02/22/12	3,867.02	36.45	ND	ND	3,830.57
	07/17/12	3,868.54	36.65	ND	ND	3,831.89
	10/03/12	3,868.54	37.10	ND	ND	3,831.44

Table 2

GROUNDWATER GAUGING SUMMARY

Gladiola Station
Lea County, New Mexico

MONITOR WELL	DATE	Top of Casing Elevation (feet AMSL)	Depth to Water (feet BTOC)	Depth to LNAPL (feet BTOC)	LNAPL Thickness (feet)	Corrected Groundwater Elevation (feet AMSL)
MW-17	08/18/09	3,867.64	35.22	ND	ND	3,832.42
Screened	10/29/09	3,867.64	35.40	ND	ND	3,832.24
(29.50-44.50)	10/12/11	3,867.64	37.10	ND	ND	3,830.54
	02/22/12	3,867.64	37.40	ND	ND	3,830.24
	07/17/12	3,869.14	37.75	ND	ND	3,831.39
	10/03/12	3,869.14	38.20	ND	ND	3,830.94
MW-18	08/18/09	3,867.31	34.45	ND	ND	3,832.86
Screened	10/29/09	3,867.31	34.60	ND	ND	3,832.71
(27.00-42.00)	10/12/11	3,867.31	36.26	ND	ND	3,831.05
	02/22/12	3,867.31	36.59	36.58	**0.01**	3,830.73
	07/17/12	3,868.79	37.30	36.90	**0.40**	3,831.82
	10/03/12	3,868.79	38.20	37.30	**0.90**	3,831.34
MW-19	08/18/09	3,867.26	34.22	ND	ND	3,833.04
Screened	10/29/09	3,867.26	34.40	ND	ND	3,832.86
(27.00-42.00)	10/12/11	3,867.26	36.08	ND	ND	3,831.18
	02/22/12	3,867.26	37.14	ND	ND	3,830.12
	07/17/12	3,868.75	36.81	ND	ND	3,831.94
	10/03/12	3,868.75	36.98	ND	ND	3,831.77
MW-20	08/18/09	3,867.50	34.69	ND	ND	3,832.81
Screened	10/29/09	3,867.50	34.85	ND	ND	3,832.65
(29.50-44.50)	10/12/11	3,867.50	36.55	ND	ND	3,830.95
	02/22/12	3,867.50	37.09	ND	ND	3,830.41
	07/17/12	3,868.97	37.31	ND	ND	3,831.66
	10/03/12	3,868.97	37.48	ND	ND	3,831.49
MW-21	08/18/09	3,867.43	34.42	ND	ND	3,833.01
Screened	10/29/09	3,867.43	34.60	ND	ND	3,832.83
(29.50-44.50)	10/12/11	3,867.43	36.24	ND	ND	3,831.19
	02/22/12	3,867.43	36.75	ND	ND	3,830.68
	07/17/12	3,868.89	36.95	ND	ND	3,831.94
	10/03/12	3,868.89	37.15	ND	ND	3,831.74
MW-22	10/29/09	3,868.21	36.27	ND	ND	3,831.94
Screened	10/12/11	3,868.21	37.90	ND	ND	3,830.31
(30.00-45.00)	02/22/12	3,868.21	38.26	ND	ND	3,829.95
	07/17/12	3,869.73	38.60	ND	ND	3,831.13
	10/03/12	3,869.73	38.80	ND	ND	3,830.93
MW-23	02/22/12	3,867.58	36.77	ND	ND	3,830.81
Screened	07/17/12	3,869.08	37.13	ND	ND	3,831.95
(31.00-46.00)	10/03/12	3,869.08	37.30	ND	ND	3,831.78
MW-24	02/22/12	3,866.60	35.74	35.70	**0.04**	3,830.89
Screened	07/17/12	3,867.88	39.70	35.55	**4.15**	3,831.62
(28.00-43.00)	10/03/12	3,867.88	40.09	35.74	**4.35**	3,831.40
MW-25	02/22/12	3,867.61	37.00	ND	ND	3,830.61
Screened	07/17/12	3,868.99	37.84	37.32	**0.52**	3,831.58
(28.00-43.00)	10/03/12	3,868.99	38.92	37.91	**1.01**	3,830.91
MW-26	02/22/12	3,867.59	37.28	ND	ND	3,830.31
Screened	07/17/12	3,868.98	37.90	ND	ND	3,831.08
(30.00-45.00)	10/03/12	3,868.98	37.93	ND	ND	3,831.05

Notes:

All depths measured from top of casing.

Professional survey completed on 7/17/2012 by Borbas Surveying and Mapping, LLC.

Groundwater elevations in monitoring wells containing LNAPL calculated using an LNAPL specific gravity of 0.83.

LNAPL = light non-aqueous phase liquid

feet AMSL = feet above mean sea level

feet BTOC = feet below top of casing

feet BGS = feet below ground surface

ND = LNAPL not detected

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND NAPHTHALENES

Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
MW-1	7/24/2006[1]	**1.6**	0.181	0.236	**0.815**	0.194	0.109	0.0639	**0.3669**
	2/8/2007[1]	**1.1**	0.362	0.106	**1.46**	0.178	0.300	0.139	**0.617**
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	**1.03**	0.551	0.00434	**1.63**	0.0400	0.0522	0.0553	**0.1475**
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009[1]	**1.12**	0.563	0.00132	**1.22**	0.0313	0.0403	0.0461	**0.1177**
	8/19/2009[1]	**1.06**	0.670	0.227	**1.51**	3.940 R1	1.940	0.627	**6.507** R1
	10/30/2009	**1.01**	**0.774**	0.00225	**1.63**	0.118 R1	0.0573	0.0746	**0.250** R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	7/25/2006[1]	0.00492	0.142	0.0142	0.166	0.163	0.0696	0.0211	**0.2537**
	2/8/2007[1]	**0.06**	0.0726	0.0111	0.105	0.258	0.238	0.0208	**0.5168**
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	**2.57**	0.504	**2.66**	**1.21**	0.201	0.287	0.117	**0.0484**
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	NS -LNAPL entered bailer during each sampling attempt.							
	8/19/2009[1]	**2.7**	0.495	**2.44**	**1.11**	5.070 R1	2.750	0.730	**8.55** R1
	10/30/2009	**3.25**	0.381	<0.001	**0.675**	0.0975 R1	0.0781	0.0514	**0.227** R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	7/24/2006[1]	**0.0452**	0.0974	0.00715	0.015	0.161	0.0752	0.0315	**0.2677**
	2/8/2007[1]	**0.586**	0.114	0.00522	0.360	0.220	0.255	0.053	**0.528**
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	**1.55**	0.133	<0.001	0.310	0.0154	0.0162	0.0146	**0.0462**
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009[1]	**1.2**	0.116	<0.001	0.206	0.0199	0.0215	0.0164	**0.0578**
	8/19/2009[1]	**2.05**	0.174	<0.001	0.317	0.245	0.0885	0.0353 R1	**0.3688** R1
	10/30/2009	**1.96**	0.166	<0.001	0.32	0.153 R1	0.0482	0.00943	**0.211** R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	7/25/2006	**3.14**	0.153	0.0387	0.318	0.0373	0.0286	0.0227	**0.0886**
	2/7/2007	**2.78**	0.215	0.0239	0.451	0.0553	0.147	0.027	**0.2293**
	4/15/2008	**3.39**	0.337	0.0151	**0.662**	0.0320	0.0428	0.0406	**0.1154**
	9/26/2008[1]	**2.95**	0.328	0.0276	**0.688**	0.0271	0.0392	0.0397	**0.106**
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009[1]	**1.93**	0.170	0.00189	0.546	<0.0526	<0.0526	<0.0526	**<0.1578**
	8/19/2009[1]	**2.89**	0.336	<0.00100	0.600	0.0578	0.0509	0.0369	**0.1456**
	10/30/2009	**2.92**	0.347	0.0011	0.619	0.311 R1	0.163	0.0645	**0.539** R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	7/20/2006	**6.93**	0.567	0.374	**1.14**	0.0914	0.0563	0.0589	**0.2066**
	2/7/2007	**6.91**	**0.905**	0.297	**1.74**	0.105	0.218	0.117	**0.44**
	4/15/2008	**5.44**	**0.763**	0.0686	**1.33**	0.0451	0.0547	0.0693	**0.1691**
	9/26/2008	**6.17**	0.736	0.0979	**1.22**	0.0443	0.605	0.074	**0.1671**
	2/6/2009	**5.61**	**0.849**	0.0514	**1.41**	NA	NA	0.0958	NA
	2/6/2009 Dup.	**5.26**	**0.835**	0.0438	**1.32**	NA	NA	0.0932	NA
	5/19/2009	**5.08**	0.681	0.0436	**1.18**	0.0573	0.0676	0.0873	**0.2122**
	8/19/2009	**4.68**	0.726	0.0567	**0.932**	0.189 R1	0.103	0.105	**0.397**
	8/19/2009 Dup.	**4.79**	0.709	0.0732	**1.1**	0.171 R1	0.0707	0.0954	**0.3371** R1
	10/30/2009	**5.01**	0.713	0.0933	**1.25**	0.0375 R12	0.0641	0.0191	**0.121** R12
	10/13/2011	**3.5**	0.521	0.00678	0.431	0.0216	0.0287	0.0402	**0.0905**
	10/13/2011 Dup.	**3.47**	0.52	0.00666	0.407	NA	NA	0.0553	**0.0553**
	2/22/2012	**3.75**	0.54	0.00125	**0.626**	NA	NA	0.0645	**0.0645**
	2/22/2012 Dup	**3.65**	0.516	<0.001	0.593	NA	NA	0.0604	**0.0604**
	7/17/2012	**2.68**	0.419	<0.001	0.262	0.0229	0.0248	0.0558	**0.1035**
	7/17/2012 Dup	**2.62**	0.39	<0.001	0.251	0.0245	0.0270	0.0568	**0.1083**
	10/3/2012	**2.91**	0.49	<0.001	**0.667**	0.0296	0.0310	0.0771	**0.1377**
	10/3/2012 Dup	**2.97**	0.501	<0.001	**0.683**	0.0265	0.0299	0.0833	**0.1397**

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND NAPHTHALENES

Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
MW-6	7/21/2006	**0.034**	0.001	0.001	0.0531	<0.000943	0.00641	<0.000943	0.006410
	2/7/2007	0.00667	<0.001	<0.001	0.0245	<0.00111	<0.00111	<0.00111	<0.00333
	4/15/2008	**1.34**	<0.001	<0.001	<0.003	<0.00990	<0.00990	<0.00990	<0.02970
	9/26/2008	0.00261	<0.00100	<0.00100	<0.00300	<0.00943	<0.00943	<0.00943	<0.02829
	2/6/2009	0.00143	<0.00100	<0.00100	<0.00300	NA	NA	<0.00500	NA
	5/18/2009	0.00184	<0.00100	<0.00100	<0.00300	<0.00952	<0.00952	<0.00952	<0.02856
	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100	<0.00300
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	NA	NA	NA	NA
	11/19/2009	NS	NS	NS	NS	<0.000980	<0.000980	<0.000980	BDL
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	<0.00100	<0.00100	<0.00100	<0.00300	NA	NA	<0.00500	<0.00500
	7/17/2012	<0.00100	<0.00100	<0.00100	<0.00300	<0.00190	<0.00190	<0.00500	<0.00500
	10/3/2012	<0.00100	<0.00100	<0.00100	<0.00300	<0.00189	<0.00189	<0.00500	<0.00500
MW-7	7/25/2006	**0.0279**	0.00385	0.00113	0.0288	0.00855	0.00879	0.00383	0.02117
	2/7/2007	**0.0332**	0.0244	<0.001	0.0276	0.0215	0.0150	0.00284	**0.03934**
	4/15/2008	**0.0147**	0.00422	<0.001	0.0167	<0.00971	<0.00971	<0.00971	<0.02913
	9/26/2008	**0.0194**	0.00260	<0.00100	0.0161	<0.00943	<0.00943	<0.00943	<0.02829
	2/5/2009	**0.0158**	0.00424	<0.00100	0.0122	NA	NA	0.00701	NA
	5/18/2009	**0.0138**	0.00270	<0.00100	0.0107	<0.0100	<0.0100	<0.0100	<0.0300
	8/19/2009	**0.025**	<0.00100	<0.00100	0.0160	0.00400	<0.00100	0.00227	0.00627
	10/30/2009	**0.0363**	0.00193	<0.00100	0.0356	0.00873 R1	0.00372	<0.00100	0.0125 R1
	10/13/2011	**0.0115**	<0.001	<0.001	<0.003	0.000611	0.000558	0.000537	0.001706
	2/22/2012	**0.0348**	**0.0026**	<0.001	<0.003	NA	NA	<0.005	<0.005
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-8	7/25/2006	**0.0176**	0.00724	0.001	0.0236	0.00472	<0.000939	<0.000939	0.004720
	2/7/2007	0.00561	0.0138	<0.001	0.00655	0.0201	0.0113	<0.00104	**0.0314**
	4/15/2008	0.00319	0.00382	<0.001	0.00614	<0.00962	<0.00962	<0.00962	<0.02886
	9/26/2008	0.00385	0.00722	<0.00100	0.0151	<0.00980	<0.00980	<0.00980	<0.02940
	2/5/2009	0.00337	0.00552	<0.00100	0.00313	NA	NA	0.00521	NA
	5/18/2009	0.00201	0.00406	<0.00100	0.00337	<0.00952	<0.00952	<0.00952	<0.02856
	8/19/2009	<0.00100	0.00318	<0.00100	0.00620	0.00674 R1	0.00354 R1	<0.00103	0.01028 R1
	10/30/2009	0.00124	<0.00100	<0.00100	0.00653	0.0101 R1	0.0043	<0.00100	0.0144 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-9	7/21/2006	0.00137	0.001	0.001	0.003	<0.00099	<0.00099	<0.00099	<0.00297
	2/6/2007	0.00170	<0.001	<0.001	<0.003	0.0148	0.00424	<0.00104	0.01904
	4/15/2008	0.00254	<0.001	<0.001	<0.003	<0.00971	<0.00971	<0.00971	<0.02913
	9/26/2008	<0.00100	<0.00100	<0.00100	<0.00300	<0.00962	<0.00962	<0.00962	<0.02886
	2/5/2009	0.00585	<0.00100	<0.00100	<0.00300	NA	NA	<0.00500	NA
	5/18/2009	0.00404	<0.00100	<0.00100	<0.00300	<0.00952	<0.00952	<0.00952	<0.02856
	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.000971	<0.000971	<0.000971	<0.002913
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.000952	<0.000952	<0.000952	<0.000952
	2/22/2012	0.00136	<0.001	<0.001	<0.003	<0.000952	<0.000952	0.00143	0.00143
	7/17/2012	0.00529	0.00654	<0.001	0.0132	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	**0.135**	0.177	0.00971	**0.829**	0.537	0.795	**0.0676**	**1.3996**
MW-10	7/21/2006	**0.0133**	0.001	0.001	0.003	0.001	0.001	<0.001	0.001
	2/6/2007	**0.0115**	<0.001	<0.001	<0.003	<0.00110	<0.00110	<0.00110	<0.00330
	4/15/2008	0.00599	<0.001	<0.001	<0.003	<0.00971	<0.00971	<0.00971	<0.02913
	9/26/2008	0.00635	<0.00100	<0.00100	<0.00300	<0.0100	<0.0100	<0.0100	<0.0300
	2/5/2009	0.00409	<0.00100	<0.00100	<0.00300	NA	NA	<0.00500	NA
	5/18/2009	0.00348	<0.00100	<0.00100	<0.00300	<0.00952	<0.00952	<0.00952	<0.02856
	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.000980	0.00268	<0.000980	0.00268
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	NA	NA	NA	NA
	11/19/2009	NA	NA	NA	NA	0.0202 R1	0.0142 R1	<0.00105	0.0344 R1
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.0000943	<0.0000943	<0.0000943	<0.000943
	2/22/2012	<0.001	<0.001	<0.001	<0.003	NA	NA	<0.005	<0.005
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND NAPHTHALENES

Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
MW-11	4/30/2008	<0.001	<0.001	<0.001	<0.003	<0.00971	<0.00971	<0.00971	<0.02913
	9/26/2008	0.00351	<0.00100	<0.00100	<0.003	<0.00962	<0.00962	<0.00962	<0.02886
	2/5/2009	0.00401	<0.00100	<0.00100	<0.00300	NA	NA	<0.00500	NA
	5/18/2009	0.00382	<0.00100	<0.00100	<0.00300	<0.00943	<0.00943	<0.00943	<0.02829
	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	0.00334	<0.00100	0.00334
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00099	<0.00099	<0.00099	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.000099	<0.000099	<0.000099	<0.000099
	2/22/2012	<0.001	<0.001	<0.001	<0.003	NA	NA	<0.005	<0.005
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00194	<0.00194	<0.005	<0.005
MW-12	4/30/2008	**0.0504**	**0.242**	0.00401	0.598	0.0316	0.0241	0.0327	**0.0884**
	9/26/2008	**0.222**	**0.978**	0.0116	**1.84**	0.0512	0.0613	0.0909	**0.2034**
	2/5/2009	**0.178**	**1.19**	0.0134	**2.22**	NA	NA	0.12	NA
	5/19/2009	**0.143**	**0.882**	0.0128	**1.65**	0.0434	0.0534	0.0726	**0.1694**
	8/19/2009	**0.162**	**0.937**	0.00987	**1.68**	0.159 R1	0.0808	0.12	**0.3598** R1
	10/30/2009	**0.162**	**1.02**	0.0128	**1.99**	0.0283 R1	0.0708	0.0236	**0.123** R1
	10/13/2011	**0.055**	0.476	0.00603	**1.01**	0.0406	0.063	0.0879	**0.1915**
	2/22/2012	**0.059**	**0.869**	0.005	**1.66**	0.0244	0.0396	0.0659	**0.1299**
	7/17/2012	**0.050**	0.737	0.0116	0.562	0.0357	0.0394	0.0653	**0.1404**
	10/3/2012	**0.054**	**0.822**	0.0152	**1.67**	0.0464	0.0602	0.129	**0.2356**
MW-13	4/30/2008	**3.64**	0.292	0.102	0.499	0.0279	0.0329	0.0366	**0.0974**
	9/26/2008	**9.26**	**0.972**	0.513	**1.71**	<0.00980	<0.00980	0.0986	**0.0986**
	2/6/2009	**10.1**	**1.050**	0.554	**1.89**	NA	NA	0.118	NA
	5/19/2009	**8.44**	**0.842**	0.323	**1.38**	0.0712	0.0888	0.121	**0.281**
	8/19/2009[1]	**8.13**	**0.950**	0.305	**2.07**	0.291 R1	0.147	0.12	**0.558** R1
	10/30/2009	**9.55**	**1.03**	0.218	**1.75**	0.0325 R1	0.0743	0.0212	**0.128** R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-14	4/30/2008	**0.0449**	0.0231	0.00125	0.0341	<0.00971	<0.00971	<0.00971	<0.02913
	9/26/2008	**0.123**	0.0164	0.00187	0.0911	0.0103	0.0108	0.0120	**0.0331**
	2/6/2009	**0.24**	0.246	0.00986	0.166	NA	NA	0.0528	NA
	5/19/2009	**0.12**	0.0971	0.00203	0.0386	<0.00952	<0.00952	0.00956	0.00956
	8/19/2009	**0.112**	0.110	<0.00100	0.0444	0.0547 R1	0.0172	0.00923	**0.08113** R1
	10/30/2009	**0.119**	0.0895	0.00168	0.0645	0.0506 R1	0.0186	0.00998	**0.0792** R1
	10/13/2011	**0.075**	0.0536	<0.001	0.044	0.00459	0.00418	0.00579	0.01456
	2/22/2012	**0.0782**	0.0646	<0.001	0.0212	0.00479	0.00428	0.0071	0.01617
	7/17/2012	**0.0798**	0.0731	<0.001	0.0535	0.00521	0.005	0.0137	0.02391
	10/3/2012	**0.107**	0.0965	<0.001	0.0179	0.00625	0.0072	0.0118	0.02525
MW-15	4/30/2008	**1.230**	0.320	0.167	0.554	0.0318	0.0395	0.0367	**0.108**
	9/26/2008[1]	**6.540**	**1.130**	**1.350**	**2.4**	0.0636	0.0825	0.0902	**0.2363**
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009[1]	**3.800**	**0.848**	0.632	**1.8**	0.0380	0.0484	0.0658	**0.1522**
	8/19/2009[1]	**3.850**	**0.799**	**0.892**	**2.25**	0.202 R1	0.118	0.1690	**0.489** R1
	10/30/2009	**8.96**	**0.949**	0.228	**1.66**	0.0407 R1	0.0225	0.0274	**0.0906** R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	4/30/2008	0.00321	0.0237	<0.001	0.0376	<0.0103	<0.0103	<0.0103	**<0.0309**
	9/26/2008	0.00317	0.0253	<0.00100	0.0790	<0.00943	<0.00943	<0.00943	<0.02829
	2/6/2009	**0.0113**	0.0426	<0.00100	0.0634	NA	NA	0.0228	NA
	5/18/2009	0.00670	0.0488	<0.00100	0.0526	<0.00943	<0.00943	<0.00943	<0.02829
	8/19/2009	0.00419	0.0251	<0.00100	0.0797	0.00603 R10	0.0127 R1	0.00429 R1	0.02302 R10, R1
	10/30/2009	0.00391	0.0128	<0.00100	0.0564	NA	NA	NA	NA
	10/30/09 Dup.	0.00576	0.035	<0.00100	0.122	0.0405 R1	0.0124	0.00791	**0.0608** R1
	10/13/2011	0.00190	0.0145	<0.001	0.0342	0.00158	0.00124	0.00154	0.00436
	2/22/2012	<0.001	<0.001	<0.001	<0.003	0.00113	0.00090	0.00122	0.00325
	7/17/2012	0.00157	0.01860	<0.001	0.01050	0.00229	<0.00190	<0.005	0.00229
	10/3/2012	0.00192	0.06370	<0.001	0.07700	0.00429	<0.00189	0.00855	**0.01284**

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND NAPHTHALENES

Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
MW-17	8/19/2009	**1.28**	**0.845**	0.0146	**1.19**	0.188 R1	0.0768	0.134	0.3988 R1
	10/30/2009	**1.52**	**0.986**	0.0211	**1.55**	0.193 R1	NA	0.134	0.327 R1
	10/13/2011	**0.68**	0.407	<0.001	0.524	0.0364	0.0556	0.0798	**0.1718**
	2/22/2012	**0.871**	0.727	<0.001	**1.16**	NA	NA	**0.0781**	**0.0781**
	7/17/2012	**0.649**	0.504	0.00494	0.438	**0.0256**	**0.0306**	**0.0429**	**0.0991**
	10/3/2012	**0.825**	0.682	0.0103	**1.22**	**0.0325**	**0.0402**	**0.0865**	**0.1592**
MW-18	8/19/2009	**2.4**	0.681	0.0206	**0.836**	0.141 R1	0.0193	0.0213	**0.1816 R1**
	10/30/2009	**2.88**	**0.779**	0.0144	**0.703**	0.189 R1	0.0696	0.11	**0.369 R1**
	10/13/2011	**1.81**	0.274	0.00572	0.108	0.0292	0.0431	0.0414	**0.1137**
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-19	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100	<0.00300
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00102	<0.00102	<0.00102	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.0000971	<0.0000971	<0.0000971	<0.0000971
	2/22/2012	0.00188	0.192	<0.001	0.329	NA	NA	<0.005	<0.005
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00189	<0.00189	<0.005	<0.005
MW-20	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.000971	<0.000971	<0.000971	<0.002913
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.000952	<0.000952	<0.000952	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.000099	<0.000099	<0.000099	<0.000099
	2/22/2012	<0.001	<0.001	<0.001	<0.003	<0.000943	<0.000943	<0.000943	<0.000943
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00189	<0.00189	<0.005	<0.005
MW-21	8/19/2009	<0.00100	<0.00100	<0.00100	<0.00300	0.00156	<0.000980	<0.000980	0.00156
	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00100	<0.00100	<0.00100	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.000099	<0.000099	<0.000099	<0.00009
	2/22/2012	<0.001	<0.001	<0.001	<0.003	NA	NA	<0.005	<0.005
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00189	<0.00189	<0.005	<0.005
MW-22	10/30/2009	<0.00100	<0.00100	<0.00100	<0.00300	<0.00102	<0.00102	<0.00102	BDL
	10/13/2011	<0.001	<0.001	<0.001	<0.003	<0.0001	<0.0001	<0.0001	<0.0001
	2/22/2012	<0.001	<0.001	<0.001	<0.003	<0.0001	<0.0001	<0.0001	<0.0001
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00189	<0.00189	<0.005	<0.005
MW-23	2/22/2012	<0.001	<0.001	<0.001	<0.003	<0.0001	<0.0001	<0.0001	<0.001
	7/17/2012	<0.001	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	<0.001	<0.001	<0.001	<0.003	<0.00192	<0.00192	<0.005	<0.005
MW-24	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-25	2/22/2012	**8.7**	**0.911**	**1.12**	**2.7**	0.0427	0.0688	0.0939	**0.2054**
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS
MW-26	2/22/2012	<0.001	<0.001	<0.001	<0.003	<0.0001	<0.0001	<0.0001	<0.001
	7/17/2012	0.00177	<0.001	<0.001	<0.003	<0.00190	<0.00190	<0.005	<0.005
	10/3/2012	0.00236	<0.001	<0.001	<0.003	<0.00189	<0.00189	<0.005	<0.005

Table 3

SUMMARY OF GROUNDWATER ANALYTICAL DATA - BTEX AND NAPHTHALENES

Gladiola Station
Lea County, New Mexico

Sample ID	Sample Date	Benzene (mg/L)	Ethylbenzene (mg/L)	Toluene (mg/L)	Total Xylenes (mg/L)	1-Methyl-naphthalene (mg/L)	2-Methyl-naphthalene (mg/L)	Naphthalene (mg/L)	Total Naphthalene (mg/L)
SB-1GW	10/28/2011	0.00719	<0.001	<0.001	<0.003	0.000462	0.000144	0.000115	0.000721
SB-2GW	10/28/2011	**1.88**	0.138	0.0938	0.26	0.00625	0.00883	0.00922	0.0243
SB-3GW	10/28/2011	**1.94**	**0.986**	**2.42**	**2.27**	0.039	0.0606	0.0835	**0.1831**
SB-4GW	10/28/2011	**3.91**	0.587	0.0703	**1.15**	0.0084	0.00967	0.0137	**0.03177**
SB-5GW	10/28/2011	**2.9**	0.034	0.024	0.218	0.0182	0.0269	0.0499	**0.095**
SB-6GW	10/28/2011	0.00133	0.00168	<0.001	<0.003	0.000291	0.000437	0.000505	0.001233
SB-7GW	10/28/2011	**0.135**	0.0263	0.00135	0.0759	0.00281	0.00367	0.0047	0.01118

Notes:

NMWQCC Standards = New Mexico Water Quality Control Commission Human Health Standards for Groundwater of 10,000 mg/L TDS Concentration or Less

Bold = above NMWQCC Standards

BDL = Below Sa = Above NMWQCC standards

LNAPL = Light Non-Aqueous Phase Liquids

NA = Not Analyzed

NS = Not Sampled

R1 = The relative percent difference between the primary and confirmatory analysis exceeded 40%. The higher value was reported.

R10 = The relative percent difference between the primary and confirmatory analysis exceeded 40%. The lower value was reported due to apparent chromatographic problems.

R12 = The relative percent difference between the primary and confirmatory analysis exceeded 40%. The lower value was reported.

(1) = Sampled collected from below the LNAPL.

Total Naphthalene = 1- and 2-Methylnaphthalene and Naphthalene

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) Anthracene (mg/L)	Benzo(a) Pyrene (mg/L)	Benzo(b) Fluoranthene (mg/L)	Benzo(g,h,i) Perylene (mg/L)	Benzo(k) Fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-cd) pyrene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		---	---	---	---	0.0007	---	---	---	---	---	---	---	---	---	---
MW-1	7/24/2006[1]	<0.00101	<0.00101	**0.141**	**0.0165**	***0.00260***	**0.000971**	<0.000202	**0.00128**	**0.0111**	<0.000202	**0.0788**	**0.00614**	<0.000202	**0.00434**	**0.0246**
	2/8/2007[1]	<0.00105	<0.00526	<0.00526	**0.00603**	<0.000105	**0.00267**	<0.000211	**0.000886**	**0.00615**	**0.0104**	**0.153**	**0.0153**	<0.000211	**0.0489**	**0.0493**
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
	5/19/2009[1]	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
	8/19/2009[1]	<0.0200	<0.100	0.0871 R12	0.162 R1	<0.00200	**0.0369**	0.0358 R1	0.0321 R1	**0.323**	0.0550 R1	1.660 R1	**0.0895**	**0.0210**	1.620 R1	1.470 R1
	10/30/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	**0.000992**	<0.000200	0.00634 R1	**0.00163**	<0.000200	0.0132 R1	0.00554 R1
	10/13/2011	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	**0.000476**	<0.0000952	<0.0000952	<0.0000952
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	7/25/2006[1]	<0.000939	<0.00217	**0.228**	**0.0300**	***0.00533***	**0.0173**	**0.000665**	**0.00101**	**0.0420**	**0.00186**	**0.155**	**0.00823**	<0.000188	**0.0603**	**0.0333**
	2/8/2007[1]	<0.00109	<0.00543	**0.142**	**0.0128**	<0.000109	**0.00297**	<0.000217	**0.00150**	**0.00802**	**0.0156**	**0.0491**	**0.0174**	<0.000217	**0.232**	**0.075**
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971	<0.0971
	5/19/2009[1]	NS -LNAPL entered bailer.														
	8/19/2009[1]	<0.00513	<0.0256	0.0783 R12	**0.157**	<0.000513	0.0318 R1	0.0357 R1	0.0269 R1	**0.311**	0.0530 R1	0.673 R1	**0.0992**	**0.0216**	1.660 R1	1.410 R1
	10/30/2009	<0.00100	<0.00500	<0.00100	0.00507 R1	**0.000684 R1**	0.00124 R1	0.00133 R1	0.00166 R1	**0.0104**	0.00390 R1	0.0400 R1	**0.00407**	<0.000200	0.0382 R1	0.0545 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	7/24/2006[1]	<0.00106	<0.00106	**0.127**	**0.0160**	***0.00245***	**0.000869**	<0.000213	**0.00131**	**0.0113**	<0.000213	**0.0772**	**0.00575**	**<0.000213**	**0.0357**	**0.0182**
	2/8/2007[1]	<0.00111	<0.00556	**0.0914**	**0.00885**	***0.00172***	**0.00209**	<0.000222	**0.00121**	**0.00849**	**0.0136**	**0.0437**	**0.012**	<0.000222	**0.191**	**0.0557**
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/26/2008[1]	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105
	5/19/2009[1]	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105
	8/19/2009[1]	<0.00103	<0.00513	0.00966 R12	0.0234 R1	***0.00225 R1***	0.00490 R1	0.00422 R1	0.00416 R1	**0.0461**	0.00630 R1	0.0907 R1	**0.00825**	**0.00271**	0.146 R1	0.161 R1
	10/30/2009	<0.000990	<0.00495	0.00168 R12	0.00741 R1	**0.000418 R1**	0.00208 R1	0.00254 R1	0.00286 R1	**0.0147**	0.00554 R1	0.0537 R1	**0.00478**	<0.000198	0.0451 R1	0.0738 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	7/25/2006	<0.000939	**0.0026**	<0.000939	<0.000188	<0.0000939	<0.0000939	<0.000188	<0.000131	<0.0000939	<0.000188	<0.000188	**0.000947**	<0.000188	<0.000469	<0.000188
	2/7/2007	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	**0.0168**	**0.0023**	<0.000208	**0.00901**	**0.0117**
	4/15/2008	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
	9/26/2008[1]	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
	5/19/2009[1]	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526
	8/19/2009[1]	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	**0.00217**	<0.000194	0.00365 R1	**0.00126**	0.000459 R1	0.0143 R1	0.00854 R1
	10/30/2009	<0.000990	<0.00495	<0.000990	0.0124 R1	<0.000099	0.00316 R1	0.00467 R1	0.00399 R1	**0.00447**	0.00919 R1	0.103 R1	**0.0092**	<0.000198	0.0949 R1	0.158 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) Anthracene (mg/L)	Benzo(a) Pyrene (mg/L)	Benzo(b) Fluoranthene (mg/L)	Benzo(g,h,i) Perylene (mg/L)	Benzo(k) Fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-cd) pyrene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		---	---	---	---	**0.0007**	---	---	---	---	---	---	---	---	---	---
MW-5	7/20/2006	<0.00472	**0.00565**	<0.000943	<0.000189	<0.0000943	<0.0000943	<0.000189	<0.000132	**0.000356**	<0.000189	**0.00309**	<0.000472	<0.000189	**0.00483**	<0.000189
	2/7/2007	<0.00118	<0.00588	**0.0113**	<0.000235	<0.000118	<0.000118	<0.000235	<0.000165	<0.000118	<0.000235	**0.00227**	**0.00233**	<0.000235	**0.0075**	**0.0037**
	4/15/2008	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
	9/26/2008	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	5/19/2009	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526	<0.0526
	8/19/2009	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	**0.000639**	<0.000194	0.00253 R1	**0.00241**	<0.000194	0.0194 R1	0.00619 R1
	8/19/09 Dup.	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	0.000191 R1	<0.000196	<0.000137	**0.000994**	<0.000196	0.00269 R1	0.00206 R1	<0.000196	0.0192 R1	0.00682 R1
	10/30/2009	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	**0.000313**	<0.000204	0.00349 R1	**0.00213**	<0.000204	0.0127 R1	0.00378 R1
	10/13/2011	**0.000367**	**0.000178**	**0.000144**	**0.000122**	0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	**0.00167**	<0.000111	**0.00146**	**0.000111**
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	**0.00202**	<0.00190	<0.00190	<0.00190
	7/17/12 Dup	<0.00190	<0.00190	**0.00214**	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	**0.00218**	<0.00190	<0.00190	**0.00214**	<0.00190
	10/3/2012	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	<0.00196	**0.00253**	<0.00196	**0.00241**	<0.00196
	10/3/12 Dup	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	**0.00249**	<0.00189	**0.00218**	<0.00189
MW-6	7/21/2006	<0.00467	<0.000943	<0.000943	<0.000189	<0.0000943	<0.0000943	**<0.000189**	**<0.000132**	**<0.0000943**	**<0.000189**	**<0.000189**	**<0.000472**	**<0.000189**	**<0.000472**	**<0.000189**
	2/7/2007	<0.00111	<0.00556	<0.00111	<0.000222	<0.000111	<0.000111	<0.000222	<0.000156	<0.000111	<0.000222	<0.000222	**0.000637**	<0.000222	<0.000556	<0.000222
	4/15/2008	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990	<0.00990
	9/26/2008	<0.00943	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962	<0.0962
	5/18/2009	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
	8/19/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200
	10/30/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/19/2009	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.0.000196
	10/13/2011	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	**0.00189**	<0.00189	<0.00189	<0.00189
MW-7	7/25/2006	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	**<0.000188**	**<0.000131**	**<0.0000939**	**<0.000188**	**<0.000188**	**<0.000469**	**<0.000188**	**<0.000469**	**<0.000188**
	2/7/2007	<0.00109	<0.00543	<0.00109	<0.000217	<0.000109	<0.000109	<0.000217	<0.000152	<0.000109	<0.000217	<0.000217	**0.000772**	<0.000217	<0.000543	<0.000217
	4/15/2008	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
	9/26/2008	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
	5/18/2009	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
	8/19/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	**0.00135**	<0.000200	<0.000500	**0.000665**
	10/30/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	**0.00149**	<0.000200	<0.000500	0.000609 R1
	10/13/2011	**0.000116**	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	**0.000547**	<0.000105	**0.000147**	<0.000105
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-8	7/25/2006	<0.000939	<0.000939	<0.000939	<0.000188	<0.0000939	<0.0000939	**<0.000188**	**<0.000131**	**<0.0000939**	**<0.000188**	**<0.000188**	**<0.000469**	**<0.000188**	**<0.000469**	**<0.000188**
	2/7/2007	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208	<0.000521	<0.000208
	4/15/2008	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
	9/26/2008	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
	5/18/2009	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
	8/19/2009	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	**0.00101**	<0.000205	<0.000513	**0.000657**
	10/30/2009	<0.00100	<0.00500	<0.00100	>0.000200	<0.000100	**0.0001**	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	**0.0012**	<0.000200	**0.0005**	**0.000518**
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) Anthracene (mg/L)	Benzo(a) Pyrene (mg/L)	Benzo(b) Fluoranthene (mg/L)	Benzo(g,h,i) Perylene (mg/L)	Benzo(k) Fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-cd) pyrene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		---	---	---	---	**0.0007**	---	---	---	---	---	---	---	---	---	---
MW-9	7/21/2006	<0.00099	**0.001**	<0.00099	<0.000198	<0.00099	<0.00099	**<0.000198**	**<0.000139**	<0.00099	**0.000198**	**<0.000198**	**<0.000495**	**<0.000198**	**<0.000495**	**<0.000198**
	2/6/2007	<0.00104	<0.00521	<0.00104	<0.000208	<0.000104	<0.000104	<0.000208	<0.000146	<0.000104	<0.000208	<0.000208	<0.000521	<0.000208	<0.000521	<0.000208
	4/15/2008	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
	9/26/2008	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
	5/18/2009	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
	8/19/2009	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194	<0.000485	<0.000194
	10/30/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	**0.00101**
	10/13/2011	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	**0.000476**	<0.0000952	<0.0000952	<0.0000952
	2/22/2012	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	**0.000295**	<0.0000952	<0.0000952	<0.0000952
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	**0.017**	**0.00713**	<0.00377	**0.0271**	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	<0.00377	**0.005**	**0.0768**	<0.00377	**0.0941**	**0.00931**
MW-10	7/21/2006	**0.001**	**0.001**	**0.001**	<0.0002	<0.0001	<0.0001	<0.0002	<0.00014	<0.0001	<0.0002	<0.0002	**0.000892**	<0.0002	<0.0005	<0.0002
	2/6/2007	<0.00110	<0.00549	<0.00110	<0.000220	<0.000110	<0.000110	<0.000220	<0.000154	<0.000110	<0.000220	<0.000220	**0.000831**	<0.000220	<0.00549	<0.000220
	4/15/2008	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
	9/26/2008	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100	<0.0100
	5/18/2009	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
	8/19/2009	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.000196
	10/30/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/19/2009	<0.00105	<0.00526	<0.00105	<0.000211	<0.000105	<0.000105	<0.000211	<0.000147	<0.000105	<0.000211	<0.000211	**0.000683**	<0.000211	<0.000526	0.000935 R1
	10/13/2011	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	**0.000104**	<0.0000943	<0.0000943	<0.0000943
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
MW-11	4/30/2008	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
	9/26/2008	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962	<0.00962
	5/18/2009	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
	8/19/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200
	10/30/2009	<0.000990	<0.00495	<0.000990	<0.000198	<0.000099	<0.000099	<0.000198	<0.000139	<0.000099	<0.000198	<0.000198	<0.000495	<0.000198	<0.000495	<0.000198
	10/13/2011	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	**0.000109**	<0.000099	<0.000099
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194	<0.00194
MW-12	4/30/2008	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
	9/26/2008	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
	5/19/2009	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
	8/19/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	**0.000145**	<0.000200	0.00136 R1	**0.00203**	<0.000200	<0.000500	<0.000200
	10/30/2009	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	0.00270 R1	**0.00169**	<0.000204	0.0111 R1	0.00257 R1
	10/13/2011	**0.000337**	**0.000149**	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	**0.00197**	<0.000099	**0.00165**	<0.000099
	2/22/2012	**0.000123**	**0.0000943**	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	**0.00115**	<0.0000943	**0.000991**	<0.0000943
	7/17/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
	10/3/2012	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	**0.00189**	<0.00189	<0.00189	<0.00189
MW-13	4/30/2008	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
	9/26/2008	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980	<0.0980
	5/19/2009	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476	<0.0476
	8/19/2009[1]	<0.00103	<0.00513	0.00152 R12	<0.000205	<0.000103	**0.000578**	0.000915 R1	<0.000144	**0.00515**	<0.000205	0.0118 R1	**0.00424**	<0.000205	0.0458 R1	0.0277 R1
	10/30/2009	<0.000971	<0.00485	<0.000971	0.00309 R1	<0.0000971	0.000598 R1	0.00123 R1	<0.000136	**0.00642**	0.00300 R1	0.0247 R1	**0.00331**	<0.000194	0.0238 R1	0.0369 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) Anthracene (mg/L)	Benzo(a) Pyrene (mg/L)	Benzo(b) Fluoranthene (mg/L)	Benzo(g,h,i) Perylene (mg/L)	Benzo(k) Fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-cd) pyrene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		---	---	---	---	**0.0007**	---	---	---	---	---	---	---	---	---	---
MW-14	4/30/2008	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
	9/26/2008	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
	5/19/2009	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952	<0.00952
	8/19/2009	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	**0.000797**	<0.000194	0.00411 R1	**0.00109**
	10/30/2009	<0.00100	<0.00500	<0.00100	<0.000200	0.000172	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00165 R1	**0.00123**	<0.000200	0.00441 R1	0.00135 R1
	10/13/2011	**0.0002**	<0.0000952	**0.000429**	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	**0.00114**	<0.0000952	**0.000381**	<0.0000952
	2/22/2012	**0.000222**	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	<0.000111	**0.0013**	<0.000111	**0.000644**	<0.000111
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	**0.00189**	<0.00189	<0.00189	<0.00189
MW-15	4/30/2008	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971	<0.00971
	9/26/2008[1]	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980	<0.00980
	5/19/2009[1]	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105	<0.0105
	8/19/2009[1]	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	**0.000857**	<0.000205	0.00315 R1	**0.00229**	<0.000205	0.0196 R1	0.00753 R1
	10/30/2009	<0.000980	<0.00490	<0.000980	0.00384 R1	<0.000098	0.000723 R1	0.00128 R1	0.00191 R1	**0.00786**	0.00345 R1	0.0300 R1	**0.00380**	<0.000196	0.0282 R1	0.0435 R1
	10/13/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	4/30/2008	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103	<0.0103
	9/26/2008	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
	5/18/2009	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943	<0.00943
	8/19/2009	<0.00103	<0.00513	<0.00103	<0.000205	<0.000103	<0.000103	<0.000205	<0.000144	<0.000103	<0.000205	<0.000205	**0.00109**	<0.000205	<0.000513	0.000979 R1
	10/30/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/13/2011	**0.000238**	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	**0.0017**	<0.0000952	**0.000343**	<0.0000952
	2/22/2012	**0.000217**	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	**0.00153**	<0.0000943	**0.000292**	<0.0000943
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	**0.00189**	<0.00189	<0.00189	<0.00189
MW-17	8/19/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	**0.000315**	**0.00144**	<0.000200	0.0102 R1	<0.000200
	10/30/2009	<0.00100	<0.00500	<0.00100	<0.000200	0.000774 R1	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	0.00290 R1	**0.00180**	<0.000200	0.0121 R1	0.00284 R1
	10/13/2011	**0.000307**	**0.000515**	**0.0016**	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	**0.00178**	<0.000099	<0.000099	<0.000099
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
MW-18	8/19/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	**0.000423**	**0.00120**	<0.000200	0.0104 R1	**0.000948**
	10/30/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	0.000767 R1	<0.000200	0.00281 R1	**0.00202**	<0.000200	0.0129 R1	0.00257 R1
	10/13/2011	**0.000467**	**0.000133**	**0.000114**	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	**0.000143**	<0.0000952	<0.0000952	**0.00239**	<0.0000952	**0.00246**	<0.0000952
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) Anthracene (mg/L)	Benzo(a) Pyrene (mg/L)	Benzo(b) Fluoranthene (mg/L)	Benzo(g,h,i) Perylene (mg/L)	Benzo(k) Fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-cd) pyrene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		---	---	---	---	**0.0007**	---	---	---	---	---	---	---	---	---	---
MW-19	8/19/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200
	10/30/2009	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204	<0.000510	<0.000204
	10/13/2011	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	**0.00189**	<0.00189	<0.00189	<0.00189
MW-20	8/19/2009	<0.000971	<0.00485	<0.000971	<0.000194	<0.0000971	<0.0000971	<0.000194	<0.000136	<0.0000971	<0.000194	<0.000194	<0.000485	<0.000194	<0.000485	<0.000194
	10/30/2009	<0.000952	<0.00476	<0.000952	<0.000190	<0.0000952	<0.0000952	<0.000190	<0.000133	<0.0000952	<0.000190	<0.000190	<0.000476	<0.000190	<0.000476	<0.000190
	10/13/2011	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
	2/22/2012	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189
MW-21	8/19/2009	<0.000980	<0.00490	<0.000980	<0.000196	<0.0000980	<0.0000980	<0.000196	<0.000137	<0.0000980	<0.000196	<0.000196	<0.000490	<0.000196	<0.000490	<0.000196
	10/30/2009	<0.00100	<0.00500	<0.00100	<0.000200	<0.000100	<0.000100	<0.000200	<0.000140	<0.000100	<0.000200	<0.000200	<0.000500	<0.000200	<0.000500	<0.000200
	10/13/2011	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099	<0.000099
	2/22/2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	**0.00189**	<0.00189	<0.00189	<0.00189
MW-22	10/30/2009	<0.00102	<0.00510	<0.00102	<0.000204	<0.000102	<0.000102	<0.000204	<0.000143	<0.000102	<0.000204	<0.000204	<0.000510	<0.000204	<0.000510	<0.000204
	10/13/2011	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	2/22/2012	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	**0.00189**	<0.00189	<0.00189	<0.00189
MW-23	2/22/2012	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943	<0.0000943
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192	<0.00192
MW-24	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25	2/22/2012	**0.000168**	**0.000179**	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	<0.000105	**0.00232**	<0.000105	**0.0018**	<0.000105
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-26	2/22/2012	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952	<0.0000952
	7/17/2012	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190	<0.00190
	10/3/2012	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	<0.00189	**0.00189**	<0.00189	<0.00189	<0.00189

Table 4

SUMMARY OF GROUNDWATER ANALYTICAL DATA - POLYCYCLIC AROMATIC HYDROCARBONS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Acenaphthene (mg/L)	Acenaphthylene (mg/L)	Anthracene (mg/L)	Benzo(a) Anthracene (mg/L)	Benzo(a) Pyrene (mg/L)	Benzo(b) Fluoranthene (mg/L)	Benzo(g,h,i) Perylene (mg/L)	Benzo(k) Fluoranthene (mg/L)	Chrysene (mg/L)	Dibenz(a,h) anthracene (mg/L)	Fluoranthene (mg/L)	Fluorene (mg/L)	Indeno (1,2,3-cd) pyrene (mg/L)	Phenanthrene (mg/L)	Pyrene (mg/L)
NMWQCC Standards (mg/l)		---	---	---	---	0.0007	---	---	---	---	---	---	---	---	---	---
SB-1GW	10/28/2011	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	<0.0000962	**0.000452**	<0.0000962
SB-2GW	10/28/2011	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	**0.00034**	<0.0000971	**0.000359**	<0.0000971
SB-3GW	10/28/2011	**0.0005**	**0.000167**	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	**0.00165**	<0.000098	**0.00168**	<0.000098
SB-4GW	10/28/2011	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	**0.000216**	<0.000098	**0.000363**	<0.000098
SB-5GW	10/28/2011	**0.000137**	**0.000304**	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	**0.000725**	<0.000098	**0.000559**	<0.000098
SB-6GW	10/28/2011	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	**0.0000971**	<0.0000971
SB-7GW	10/28/2011	**0.000184**	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	<0.0000971	**0.000495**	<0.0000971	**0.000495**	<0.0000971

Notes:

mg/l - milligrams per liter

NMWQCC Standards - New Mexico Water Quality Control Commission Human Health Standards for Groundwater of 10,000 mg/L TDS Concentration or Less

Bold - Above NMWQCC standards

NS - Not Sampled

NA - Not Analyzed

A-01 - Could not obtain constant weight.

L2 - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.

R1 - The relative percent difference between the primary and confirmatory analysis exceeded 40%. The higher value was reported.

R12 - The relative percent difference between the primary and confirmatory analysis exceeded 40%. The lower value was reported.

Semivolatile organics analyzed by EPA Method 8310 in July 2006, February 2007, and September 2009. Semivolatile organics analyzed by EPA Method 8270C from April 2008 to May 2009.

(1) Sampled collected from below the LNAPL.

Dup. - Duplicate

Table 5

SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
MW-1	7/24/2006	*0.0295*	***4.82***	*0.0018*	*0.0126*	*<0.005*	*<0.01*	*<0.005*	*0.000303*	10.9	1.82	743	900
	2/8/2007	*0.0304*	***5.02***	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	2.8	1.24	621	<100
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/21/2008	0.0256	**7.52**	0.0011	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	1.63	1.28	913	815 [d]
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	0.0265	**8.72**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	2.41	<1.00	952	962
	8/19/2009	0.0303	**7**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	2.25	<1.00	979	940
	10/30/2009	0.0246	**8.54**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	2.83	3.54	917	780
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	7/25/2006	*0.0469*	*0.958*	*0.0021*	*0.0140*	*<0.005*	*<0.01*	*0.0057*	*<0.0002*	30.6	2.11	668	900
	2/8/2007	*0.0348*	*0.764*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	32	3.9	634	440
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/22/2008	0.0352	0.823	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	29.4	3.57	669	622
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/19/2009	0.0393	0.901	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	31.2	2.74	649	742
	10/30/2009	0.0208	**8.57**	<0.00100	<0.00500	<0.00500	<0.0100	0.005	0.0002	15.1	1.08	752	480
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	7/24/2006	*0.057*	***3.33***	*0.0015*	*0.0098*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	21.2	8.35	773	880
	2/8/2007	*0.0505*	***3.44***	*<0.001*	*<0.005*	*0.0052*	*<0.01*	*<0.005*	*<0.0002*	31.6	33.4	708	540
	4/15/2008	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/22/2008	0.0380	**6.09**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	26.7	2.64	876	744
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	0.0397	**6.14**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	23.7	2.66	883	858
	8/19/2009	0.0302	**6.56**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	28.4	<1.00	880	802
	10/30/2009	0.0316	**5.91**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	0.0002	21.4	<1.00	842	670
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	7/25/2006	*0.034*	***7.34***	*0.0016*	*0.0122*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	20.7	<1.00	850	1000
	2/7/2007	*0.0617*	***8.00***	*<0.001*	***0.0615***	*0.0201*	*<0.01*	*<0.005*	*<0.0002*	15.1	1.09	2290	<100
	4/15/2008	*0.0140*	***7.47***	*0.0011*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	10.2	<1.00	1060	1180
	9/21/2008	0.0156	**7.74**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	17.7	1.31	792	774
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	0.0162	**8.32**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	18.4	3.08	802	854
	8/19/2009	0.0133	**8.19**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	18.9	<1.00	807	860
	10/30/2009	0.0224	**8.64**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	12.2	<1.00	782	660
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS				
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS				
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS				

Table 5

SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
MW-5	7/20/2006	*0.0661*	***1.71***	*<0.001*	***0.177***	*0.0151*	*<0.01*	*<0.005*	*0.000220*	6.11	<1.00	1250	712
	2/7/2007	*0.0526*	***1.96***	*<0.001*	***0.0599***	*0.0105*	*<0.01*	*<0.005*	*<0.0002*	6.58	1.56	1130	610
	4/15/2008	*0.0440*	***3.02***	*0.0017*	*0.0167*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	6.34	<1.00	976	736
	9/21/2008	0.0370	**3.07**	0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.62	1.54	841 M2	712 [a]
	2/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	7.49	<1.00	797	744
	2/6/09 Dup.	NA	NA	NA	NA	NA	NA	NA	NA	6.80	1.05	801	730
	5/19/2009	0.0336	**3.49**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.81	<1.00	837	792
	8/19/2009	0.031	**3.68**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	7.02	<1.00	856	752
	8/19/09 Dup.	0.0322	**3.71**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.93	<1.00	847	760
	10/30/2009	0.0284	**3.93**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.61	<1.00	797	1540
	10/28/2011	0.0353	**4.8**	<0.001	<0.005	0.007	<0.01	<0.005	<0.0002	5.03	1.4	NS	NS
	2/22/2012	NA	**4.81**	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/2012 Dup	NA	**4.74**	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0234	**4.9**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.59	1.18	720	753
	7/17/2012 Dup	0.0252	**5.08**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.42	1.21	721	760
	10/3/2012	0.0238	**4.48**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	5.46	<1.00	726	740
	10/3/2012 Dup	0.0233	**4.62**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	5.47	<1.00	732	749
MW-6	7/21/2006	*<0.01*	***0.168***	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*0.000207*	6.28	63.2	524	660
	2/7/2007	*0.0397*	***3.19***	*<0.001*	***0.0822***	*0.0307*	*<0.01*	*<0.005*	*0.00172*	6.6	<2.00	2930	325
	4/15/2008	*0.0199*	*0.610*	*0.0020*	*0.0213*	*0.00805*	*0.0106*	*<0.005*	*0.000467*	5.38	42.7	1650	548
	9/21/2008	<0.0100	0.0932	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.75	34.5	528	440
	2/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	1.80	8.41	509	574
	5/18/2009	<0.0100	0.0991	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.90	37.2	567	234
	8/19/2009	<0.0100	0.1	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.11	33.0	519	568
	10/30/2009	<0.0100	0.108	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	6.03	31.1	475	470
	10/28/2011	<0.01	0.112	<0.001	<0.005	0.0057	<0.01	<0.005	<0.0002	5	26.3	NS	NS
	2/22/2012	NA	0.119	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	<0.01	0.127	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.23	24.6	452	571
	10/3/2012	<0.01	0.121	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.91	26.4	446	566
MW-7	7/25/2006	*<0.01*	*0.679*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	15.5	<1.00	641	800
	2/7/2007	*0.0583*	***2.46***	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	14.4	4.48	654	200
	4/15/2008	*0.0513*	***3.00***	*0.0015*	*0.0051*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	13.6	1.46	710	744
	9/20/2008	0.0407	**1.92**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	15.3	3.16	680	710 B, CF6, L1
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	14.5	1.87	692	672
	5/18/2009	0.0395	**1.88**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	15.7	3.10	672	748
	8/19/2009	0.0137	**1.86**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	17.2	3.06	673	720
	10/30/2009	0.0112	**2.05**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	16.5	3.26	645	500
	10/28/2011	0.014	**2.34**	<0.001	<0.005	0.0054	<0.01	<0.005	<0.0002	14.5	3.74	NS	NS
	2/22/2012	NA	**2.55**	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS				
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS				
MW-8	7/25/2006	*0.0153*	*0.328*	*0.0012*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	13.1	8.01	593	810
	2/7/2007	*0.0342*	*0.929*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	11.5	22.2	707	510
	4/15/2008	*0.035*	***1.22***	*0.0015*	*0.0078*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	11.6	7.4	716	688
	9/20/2008	0.0211	**0.773**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	13.5	9.30	633	610
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	11.6	6.52	615	628
	5/18/2009	0.0174	**0.776**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	11.1	8.68	535	258
	8/19/2009	<0.0100	**1.14**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	13.3	6.57	623	676
	10/30/2009	<0.0100	**1.04**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	14.0	7.46	599	560
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 5

SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
MW-9	7/21/2006	*0.0298*	*0.918*	*<0.001*	*0.0354*	*0.0078*	*<0.01*	*<0.005*	*<0.0002*	103	157	1010	900
	2/6/2007	*0.0291*	*0.284*	*<0.001*	*0.0075*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	92	89.0	717	1110
	4/15/2008	*0.0694*	***1.61***	*0.0023*	*0.0473*	*0.0126*	*<0.01*	*<0.005*	*<0.0002*	85.5	47.5	2410	684
	9/21/2008	0.0274	0.100	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	73.3	40.7	572	520
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	71	33.9	616	<1000
	5/18/2009	0.0234	0.0961	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	61.0	38.3	584	644
	8/19/2009	0.0185	0.102	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	75.8	37.9	578	744
	10/30/2009	0.0203	0.0993	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	79.3	39.3	534	610
	10/28/2011	0.0147	0.122	<0.001	<0.005	0.0059	<0.01	<0.005	<0.0002	101	27.5	NA	NA
	2/22/2012	NA	0.103	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0175	0.0972	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	105	21.8	516	771
	10/3/2012	0.0277	0.0878	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	105	23	NA	1130
MW-10	7/21/2006	*<0.01*	*0.324*	*<0.001*	*0.0136*	*<0.005*	*<0.01*	*<0.005*	*0.000822*	500	85.2	748	1520
	2/6/2007	*<0.01*	*0.112*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	6.72	105	602	1630
	4/15/2008	*0.0439*	*0.981*	*0.0044*	***0.0625***	*0.0277*	*0.0256*	*<0.005*	*0.001950*	439	97.4	3250	1530
	9/21/2008	<0.0100	0.0858	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	414	79.6	676	1000
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	419	65.3	658	1460
	5/18/2009	<0.0100	0.0839	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	430	74.1	675	1490
	8/19/2009	<0.0100	0.0763	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	0.000818	421	80.8	660	1510
	10/30/2009	<0.0100	0.0781	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	394	89.7	614	1370
	10/28/2011	<0.01	0.0656	<0.001	<0.005	0.0057	<0.01	<0.005	0.000998	356	91.7	NS	NS
	2/22/2012	NA	**10.9**	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0108	0.0696	<0.001	<0.005	<0.005	<0.01	<0.005	0.000338	283	94.0	577	1400
	10/3/2012	<0.01	0.0672	<0.001	<0.005	<0.005	<0.01	<0.005	0.00106	259	99.2	595	1450
MW-11	4/30/2008	*<0.01*	*0.159*	*<0.001*	*<0.005*	*<0.005*	*<0.01*	*<0.005*	*0.000224*	213	128	528	1120 L2
	9/21/2008	<0.0100	0.0480	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	524	130	553	1440
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	9.82	51.7	547	1510
	5/18/2009	<0.0100	0.0562	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	503	125	572	1490
	8/19/2009	<0.0100	0.0483	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	517	121	577 M8	1550
	10/30/2009	<0.0100	0.0534	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	502	127	539	1350
	10/28/2011	<0.01	0.051	<0.001	<0.005	0.005	<0.01	<0.005	<0.0002	428	117	NS	NS
	2/22/2012	NA	0.0529	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0142	0.0531	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	422	124	452	1570
	10/3/2012	0.0171	0.0551	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	405	121	490	1500
MW-12	4/30/2008	*0.0278*	***2.23***	*<0.001*	*0.0132*	*0.0082*	*<0.01*	*<0.005*	*<0.0002*	10.7	8.19	995	657 L2
	9/21/2008	0.0238	**5.10**	0.00130	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	25.1	1.62	755	708
	2/5/2009	NA	NA	NA	NA	NA	NA	NA	NA	31.2	<1.00	738	734
	5/19/2009	0.0233	**5.82**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	30.3	<1.00	777	2390
	8/19/2009	0.0177	**6.02**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	28.2	<1.00	778	750
	10/30/2009	0.0196	**6.63**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	24.7	<1.00	727	1260
	10/28/2011	0.01	**7.88**	<0.001	<0.005	0.0063	<0.01	<0.005	<0.0002	17.5	1.32	NA	NA
	2/22/2012	NA	**4.01**	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0133	**8.44**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	13.4	1.18	707	757
	10/3/2012	<0.01	**8.32**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	15.3	<1.00	694	724
MW-13	4/30/2008	*0.0221*	***1.41***	*<0.001*	*0.0134*	*0.0104*	*<0.01*	*<0.005*	*<0.0002*	61.9	209	870	1920 A-01, L2
	9/21/2008	0.0377	**3.54**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200 M2	4.62	1.20	751	748
	2/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	4.77	<1.00	751	776
	5/19/2009	0.0321	**4.04**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.99	<1.00	800	252
	8/19/2009	0.0249	**4.44**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	4.76	<1.00	781	800
	10/30/2009	0.0275	**4.47**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.99	1.4	745	580
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

Table 5

SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
MW-14	4/30/2008	*0.0172*	*0.193*	*<0.001*	*0.0063*	*<0.005*	*<0.01*	*<0.005*	*<0.0002*	5.21	195	780	919 L2
	9/21/2008	0.0572	0.181	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	4.71	19.7	647	668 [a]
	2/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	9.82	3.13	623	672
	5/19/2009	0.0159	0.165	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	4.85	11.2	663	698
	8/19/2009	0.0271	0.196	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.14	15.7	656	702
	10/30/2009	0.0261	0.196	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.01	16.7	604	510
	10/28/2011	0.0325	0.38	<0.001	<0.005	0.0058	<0.01	<0.005	<0.0002	4.42	17.7	NS	NS
	2/22/2012	NA	0.293	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0592	0.318	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	3.82	26.2	582	712
	10/3/2012	0.0308	0.294	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.47	20.3	593	733
MW-15	4/30/2008	*0.0259*	***2.16***	*<0.001*	*0.0152*	*0.0084*	*<0.01*	*0.0065*	*<0.0002*	8.74	31.9	1050	641 L2
	9/21/2008	0.0282	**5.87**	0.0014	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	10.4	1.02	808	724 [a]
	2/6/2009	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/19/2009	0.0267	**6.47**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	10.0	<1.00	886	850
	8/19/2009	0.0254	**6.05**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	11.6	<1.00	891	850
	10/30/2009	0.0256	**4.5**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	5.41	<1.00	738	570
	10/28/2011	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-16	4/30/2008	*0.0107*	***1.02***	*<0.001*	*0.0097*	*0.0058*	*<0.01*	*<0.005*	*<0.0002*	16.6	52.5	750	726 A-01 L2
	9/21/2008	0.0153	**1.40**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	9.87	3.28	762	716
	2/6/2009	NA	NA	NA	NA	NA	NA	NA	NA	8.03	<1.00	756	730
	5/18/2009	0.0167	**1.59**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	8.84	1.69	783	776
	8/19/2009	0.0136	**1.73**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	9.37	1.67	791	750
	10/30/2009	0.0136	**1.79**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	8.38	1.83	732	410
	10/30/09 Dup.	0.0152	**2.04**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	8.8	1.51	730	260
	10/28/2011	0.0142	**2.21**	0.0051	<0.005	0.0074	<0.01	<0.005	<0.0002	6.19	2.08	NS	NS
	2/22/2012	NA	**2.15**	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0147	**1.86**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	4.83	2.32	726	788
	10/3/2012	0.0193	**1.93**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	7	1.81	721	769
MW-17	8/19/2009	0.0475	**1.98**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	11.7	1.09	748	725
	10/30/2009	0.0541	**1.69**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	11	<1.00	719	210
	10/28/2011	0.036	**3.61**	<0.001	<0.005	0.0065	<0.01	<0.005	<0.0002	7.35	1.34	NS	NS
	2/22/2012	NA	0.0716	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0238	0.0206	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	5.93	1.43	714	747
	10/3/2012	0.0418	**4.51**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	7.12	<1.00	698	718
MW-18	8/19/2009	0.0178	0.144	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	113	232	961	1510
	10/30/2009	0.0377	**0.249**	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	28.1	42.8	989	890
	10/28/2011	0.0102	0.138	<0.001	<0.005	0.0065	<0.01	<0.005	<0.0002	46.6	15.7	NS	NS
	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-19	8/19/2009	0.0203	0.0352	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	29.6	145	224	554
	10/30/2009	0.0169	0.0374	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	23.1	148	209	380
	10/28/2011	0.0197	0.0321	<0.001	<0.005	0.0052	<0.01	<0.005	<0.0002	30	140	NS	NS
	2/22/2012	NA	0.0574	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0237	0.0357	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	32.2	150	196	595
	10/3/2012	0.0308	0.0271	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	33.8	151	195	579
MW-20	8/19/2009	<0.0100	0.0908	<0.00100	<0.00500	<0.00500	0.015	<0.00500	<0.000200	440	417	187	1580
	10/30/2009	<0.0100	0.0705	<0.00100	<0.00500	<0.00500	0.0148	<0.00500	<0.000200	301	386	235	1230
	10/28/2011	<0.01	0.0521	<0.001	<0.005	0.0057	0.0212	<0.005	<0.0002	391	428	NS	NS
	2/22/2012	NA	0.0483	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0115	0.0481	<0.001	<0.005	<0.005	0.0295	<0.005	<0.0002	423	528	241	1870
	10/3/2012	0.0183	0.0476	<0.001	<0.005	<0.005	0.0382	<0.005	<0.0002	506	682	208	2090

Table 5

SUMMARY OF GROUNDWATER ANALYTICAL DATA - METALS

Gladiola Station
Lea County, New Mexico

Sample	Sample Date	Arsenic (mg/L)	Barium (mg/L)	Cadmium (mg/L)	Chromium (mg/L)	Lead (mg/L)	Selenium (mg/L)	Silver (mg/L)	Mercury (mg/L)	Chloride (mg/L)	Sulfate (mg/L)	Total Alkalinity (mg/L)	Total Dissolved Solids (mg/L)
MW-21	8/19/2009	0.0248	0.0263	<0.00100	<0.00500	<0.00500	0.0126	<0.00500	<0.000200	38.8	666	248	1360
	10/30/2009	0.0245	0.0216	<0.00100	<0.00500	<0.00500	0.0146	<0.00500	<0.000200	39.3	816	222	1340
	10/28/2011	0.0311	0.0155	0.004	<0.005	0.0052	0.0107	<0.005	<0.0002	26.7	634	NS	NS
	2/22/2012	NA	0.018	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0349	0.0161	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	21.1	559	232	1270
	10/3/2012	0.0435	0.0131	<0.001	<0.005	<0.005	0.011	<0.005	<0.0002	23.3	597	242	1260
MW-22	10/30/2009	0.013	0.0376	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	42.4	266	213	630
	10/28/2011	0.018	0.023	<0.001	<0.005	0.0059	<0.01	<0.005	<0.0002	41.3	288	NS	NS
	2/22/2012	NA	0.0209	NA	<0.005	NA	NA	NA	NA	NA	NA	NA	NA
	7/17/2012	0.0353	**4.49**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	40.1	274	206	806
	10/3/2012	0.0232	0.0197	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	42.5	280	223	792
MW-23	2/22/2012	0.0258	0.061	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	NA	NA	NA	NA
	7/17/2012	0.0307	0.0392	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	3.06	91.9	425	652
	10/3/2012	0.0335	0.0334	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	3.34	79.4	412	654
MW-24	2/22/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-25	2/22/2012	0.062	**7.1**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	NA	NA	NA	NA
	7/17/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/3/2012	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-26	2/22/2012	0.0135	0.0408	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	NA	NA	NA	NA
	7/17/2012	0.0123	0.0391	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	19.5	136	304	723
	10/3/2012	0.0198	0.0296	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	24	165	307	736
SB-1GW	10/28/2011	<0.01	0.0808	<0.001	<0.005	0.0053	<0.01	<0.005	<0.0002	9.4	77.8	NA	NA
SB-2GW	10/28/2011	0.0139	0.134	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	156	307	NA	NA
SB-3GW	10/28/2011	0.0338	**7.8**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	2.84	2.3	NA	NA
SB-4GW	10/28/2011	0.0296	**3.44**	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	5.9	2.8	NA	NA
SB-5GW	10/28/2011	<0.01	0.0971	<0.001	<0.005	<0.005	0.0105	<0.005	<0.0002	180	421	NA	NA
SB-6GW	10/28/2011	0.0116	0.0343	<0.001	<0.005	<0.005	<0.01	<0.005	<0.0002	7.04	290	NA	NA
SB-7GW	10/28/2011	<0.0100	0.465	<0.00100	<0.00500	<0.00500	<0.0100	<0.00500	<0.000200	4.58	38.6	NA	NA

Notes:

Bold = above NMWQCC Standards

1 Metal concentrations shown *in italics* represent total metals concentrations. Metal concentrations that are not italicized represent dissolved metals concentrations.

NA - Not Analyzed

NS - Not Sampled

(a) Sample collected on 9/26/08

A-01 - Could not obtain constant weight.

L1 - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above acceptance limits.

L2 - Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was below acceptance limits.

M2/M8 - The matrix spike and/or matrix spike duplicate were below the acceptance limits due to sample matrix interference.

B - Analyte was detected in the associated method blank.

APPENDIX A

Soil Boring Logs/Monitoring Well Logs

BORING LOG

Project: Gladiola Station
Tatum, New Mexico
Client: ExxonMobil
Houston, Texas

No. MW-26

File No.:
Date: 12/13/2011 - 12/14/2011
Drilling Co.: Talon LPE
Supervisor: Jose
Type Rig: Reichdill T-650-WII
Logged by: R. Francis

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Subsurface Clearance: Hand Auger Start Time: 1550 Finish Time: 1000
					Not Sampled			5			Hardpacked silt, dry, tan
					Not Sampled			10			
					Not Sampled			15			
					0.1			20			
					1.0			25			Sand, dry, tan, fine, poorly graded
					1.8			30			
					1.9			35			Chert, dry, hard, tan
					Not Sampled			40	▽		Red, sandy silt, moist
								45			

Split Spoon
Hand Auger
No Recovery

(1) Photoionization Detector Mini Rae

▽ Water First Noted

* No Penetrometer or SPT Value

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

BORING LOG

Project: Gladiola Station
Tatum, New Mexico

Client: ExxonMobil
Houston, Texas

No. SB-1

File No.:
Date: 10/26/2011
Drilling Co.: Talon LPE
Supervisor: Jose
Type Rig: Reichdill T-650-WII
Logged by: R. Francis

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Subsurface Clearance: Hand Auger Start Time: 0915 Finish Time: 1115
					0.0			5			Silty soil, dry, rocks
					0.0			10			Hardpacked silt, dry, pinkish tan
					0.0			15			
					0.0			20			
					0.0			25			Pink sand, chert fragments, dry
					0.0			30			
					0.0			35	▽		Pink clayey sand, moist
					0.0			40			
					3.1			45			Hard rocky clay, red, wet

Split Spoon

Hand Auger

No Recovery

(1) Photoionization Detector Mini Rae

▽ Water First Noted

* No Penetrometer or SPT Value

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

BORING LOG

Project: Gladiola Station
Tatum, New Mexico
Client: ExxonMobil
Houston, Texas

No. SB-2

File No.:
Date: 10/26/2011
Drilling Co.: Talon LPE
Supervisor: Jose
Type Rig: Reichdill T-650-WII
Logged by: R. Francis

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Subsurface Clearance: Hand Auger Start Time: 1135 Finish Time: 1400
											Sandy soil, dry, light tan
					1.5			5			Sand and chert, hard, tan, dry
					0.0			10			
					0.0			15			Soft sand, dry, tan, fine, poorly graded
					0.4			20			Soft sand, large chert pieces, dry, pink/tan
					3.2			25			Chert, some sand, hard, dry
					1.1			30			
					2.6			35			Solid limestone, dry
					0.0			40			No recovery/cuttings only Chert, solid, dry
					4.3			45	▽		Soft, red, sandy silt, wet

Split Spoon
Hand Auger
No Recovery

(1) Photoionization Detector Mini Rae

▽ Water First Noted

* No Penetrometer or SPT Value

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

BORING LOG

Project: Gladiola Station
Tatum, New Mexico
Client: ExxonMobil
Houston, Texas

No. SB-4

File No.:
Date: 10/26/2011 - 10/27/2011
Drilling Co.: Talon LPE
Supervisor: Jose
Type Rig: Reichdill T-650-WII
Logged by: R. Francis

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Subsurface Clearance: Hand Auger Start Time: 1630 Finish Time: 1215
					2.0			5			Hardpacked silt with sand, dry, tan
					1.8			10			
					2.2			15			
					2.7			20			Sand with chert fragments, dry, tan
					2.5			25			
					18.9			30			Chert, hard, some sand, dry, tan
					NR			35	▽		Chert fragments, silty sand, tan, moist
					8.0			40			Hardpacked silt, tan, dry
					4.5			45			

Split Spoon
Hand Auger
No Recovery

(1) Photoionization Detector Mini Rae

▽ Water First Noted

* No Penetrometer or SPT Value

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

BORING LOG

Project: Gladiola Station
Tatum, New Mexico
Client: ExxonMobil
Houston, Texas

No. SB-6

File No.:
Date: 10/27/2211
Drilling Co.: Talon LPE
Supervisor: Jose
Type Rig: Reichdill T-650-WII
Logged by: R. Francis

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Subsurface Clearance: Hand Auger Start Time: 1245 Finish Time: 1415
					3.5			5			Hardpacked silt, dry, tan, some clay
					2.4			10			
					3.2			15			
					8.6			20	▽		Fine sand, poorly graded, dry to slightly moist, tan
					4.8			25			Chert, hard, dry, tan
					48.1			30			Chert and minor sand, tan, dry
					25.1			35			Chert, hard, dry, tan
					13.4			40			
					13.7			45			Red silty clay, moist

Split Spoon

Hand Auger

No Recovery

(1) Photoionization Detector Mini Rae

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

▽ Water First Noted

* No Penetrometer or SPT Value

BORING LOG

Project: Gladiola Station
Tatum, New Mexico
Client: ExxonMobil
Houston, Texas

No. SB-7

File No.:
Date: 10/27/2011
Drilling Co.: Talon LPE
Supervisor: Jose
Type Rig: Reichdill T-650-WII
Logged by: R. Francis

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Subsurface Clearance: Hand Auger Start Time: 1455 Finish Time: 1630
					7.2			5			Limestone fragments and sand, tan, dry
					6.1			10			Hardpacked silt with chert fragments, tan, dry
					14.4			15			
					15.0			20			Fine sand, tan, dry, poorly graded
					12.2			25			Fine sand, tan, dry, chert fragments
					42.2			30			Chert, hard, dry, tan
					34.1			35			
					9.7			40			
					15.2			45	▽		Red silty clay, moist

Split Spoon

Hand Auger

No Recovery

(1) Photoionization Detector Mini Rae

Water First Noted ▽

* No Penetrometer or SPT Value

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

BORING LOG

Project: Gladiola Station
Tatum, New Mexico
Client: ExxonMobil
Houston, Texas

No. MW-23

File No.:
Date: 12/13/2011
Drilling Co.: Talon LPE
Supervisor: Jose
Type Rig: Reichdill T-650-WII
Logged by: R. Francis

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Subsurface Clearance: Hand Auger Start Time: 1355 Finish Time: 1515
					Not Sampled			5			Hardpacked silt, dry, tan
					Not Sampled			10			
					Not Sampled			15			
					Not Sampled			20			Soft fine sand, dry, chert fragments
					Not Sampled			25			
					Not Sampled			30			Chert, hard, dry, tan
					Not Sampled			35			Chert and minor sand, tan, dry
					Not Sampled			40			
					Not Sampled			45	▽		Red, silty clay, moist

Split Spoon
Hand Auger
No Recovery

(1) Photoionization Detector Mini Rae

▽ Water First Noted
* No Penetrometer or SPT Value

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

BORING LOG

Project: Gladiola Station
Tatum, New Mexico
Client: ExxonMobil
Houston, Texas

No. SB-3/MW-24

File No.:
Date: 10/26/2011
Drilling Co.: Talon LPE
Supervisor: Jose
Type Rig: Reichdill T-650-WII
Logged by: R. Francis

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Subsurface Clearance: Hand Auger Start Time: 1420 Finish Time: 1615
					5.5			5			Hardpacked sandy silt, dry, tan
					8.6			10			
					6.6			15			Soft sand and silt, tan, dry
					8.0			20			Soft sand, tan to light brown, dry, poorly graded
					21.1			25			Chert, hard, dry, tan
					137.0			30			
					12.9			35			
					1.2			40			
					1.3			45	▽		Red/brown sand with silt, moist

Split Spoon

Hand Auger

No Recovery

(1) Photoionization Detector Mini Rae

▽ Water First Noted

* No Penetrometer or SPT Value

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

BORING LOG

Project: Gladiola Station
Tatum, New Mexico
Client: ExxonMobil
Houston, Texas

No. SB-5/MW-25

File No.:
Date: 10/27/2011
Drilling Co.: Talon LPE
Supervisor: Jose
Type Rig: Reichdill T-650-WII
Logged by: R. Francis

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Subsurface Clearance: Hand Auger Start Time: 1640 Finish Time: 1800
					7.7			5			Hardpacked silt, tan, dry
					0.0			10			
					10.5			15			
					13.2			20			Fine sand, tan to light brown, poorly graded, dry
					52.5			25			Chert, hard, tan, dry
					107.0			30			
					284.0			35			
					9.7			40			
					10.5			45	▽		Red silty clay, moist

Split Spoon

Hand Auger

No Recovery

(1) Photoionization Detector Mini Rae

▽ Water First Noted

* No Penetrometer or SPT Value

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

BORING LOG

Project: Gladiola Station
Tatum, New Mexico
Client: ExxonMobil
Houston, Texas

No. MW-26

File No.:
Date: 12/13/2011 - 12/14/2011
Drilling Co.: Talon LPE
Supervisor: Jose
Type Rig: Reichdill T-650-WII
Logged by: R. Francis

LABORATORY TEST DATA					FIELD DATA					BORING DATA	
Moisture Content (%)	Atterberg Test: Liquid Limit (%)	Atterberg Test: Plastic Index (%)	% Finer than #200 Sieve	Other	Organic Vapor Meter (1) (ppm)	Penetrometer (Tons/Sq.ft) or Std Pen. Test (blows/foot)	Sampling	Depth (feet)	Water Level	Screen Interval	Subsurface Clearance: Hand Auger Start Time: 1550 Finish Time: 1000
					Not Sampled			5			Hardpacked silt, dry, tan
					Not Sampled			10			
					Not Sampled			15			
					0.1			20			
					1.0			25			Sand, dry, tan, fine, poorly graded
					1.8			30			
					1.9			35			Chert, dry, hard, tan
					Not Sampled			40	▽		Red, sandy silt, moist
								45			

Split Spoon
Hand Auger
No Recovery

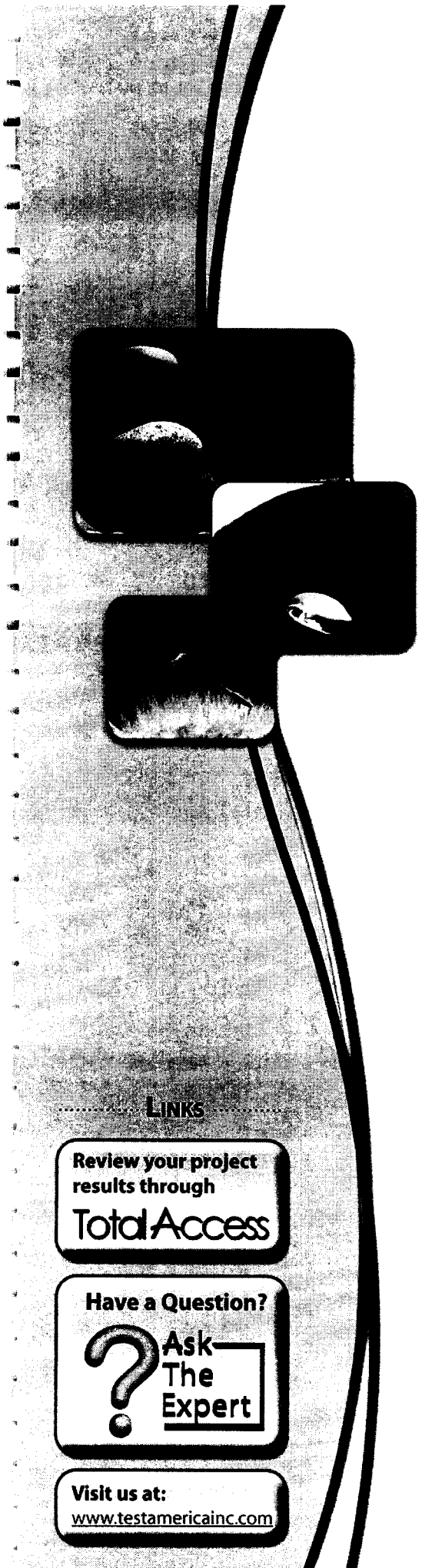
(1) Photoionization Detector Mini Rae

▽ Water First Noted
* No Penetrometer or SPT Value

Stratification is Inferred And May Not be Exact.
Soil Classification Based on Visual-Manual Procedure

APPENDIX B

Soil Laboratory Analytical Package



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NUJ3885
Client Project/Site: Gladiola Station - Lea County, NM
Client Project Description: Exxon Gladiola Station

For:
GES Stafford - Exxon (10341)
13003 SW Freeway, Suite 190
Stafford, TX 77477

Attn: Ryan Carroll

Authorized for release by:
11/12/2011 8:02:00 AM

Leah R. Klingensmith
Senior Project Management
leah.klingensmith@testamericainc.com

Table of Contents

Sample Summary

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUJ3885-01	SB-1 (15-17)	Soil	10/26/11 09:50	10/29/11 08:20
NUJ3885-02	SB-1 (35-37)	Soil	10/26/11 10:30	10/29/11 08:20
NUJ3885-03	SB-2 (25-27)	Soil	10/26/11 12:20	10/29/11 08:20
NUJ3885-04	SB-2 (35-37)	Soil	10/26/11 12:45	10/29/11 08:20
NUJ3885-05	SB-3 (30-32)	Soil	10/26/11 15:10	10/29/11 08:20
NUJ3885-06	SB-3 (35-37)	Soil	10/26/11 15:20	10/29/11 08:20
NUJ3885-07	SB-4 (30-32)	Soil	10/26/11 17:05	10/29/11 08:20
NUJ3885-08	SB-4 (38-40)	Soil	10/27/11 11:05	10/29/11 08:20
NUJ3885-09	SB-6 (30-32)	Soil	10/27/11 13:15	10/29/11 08:20
NUJ3885-10	SB-6 (35-37)	Soil	10/27/11 13:25	10/29/11 08:20
NUJ3885-11	SB-5 (30-32)	Soil	10/27/11 17:15	10/29/11 08:20
NUJ3885-12	SB-5 (35-37)	Soil	10/27/11 17:25	10/29/11 08:20
NUJ3885-13	SB-7 (30-32)	Soil	10/27/11 15:40	10/29/11 08:20
NUJ3885-14	SB-7 (35-37)	Soil	10/27/11 15:45	10/29/11 08:20
NUJ3885-15	Trip Blank 1	Water	10/27/11 00:01	10/29/11 08:20
NUJ3885-16	Trip Blank 2	Water	10/27/11 00:01	10/29/11 08:20

Case Narrative

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Job ID: NUJ3885

Laboratory: TestAmerica Nashville

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Narrative

Collection times for SB-3(30-32), SB-3(35-37) & SB-4(30-32) were pulled from labels on containers.

Definitions/Glossary

Client: GES Stafford - Exxon (10341) TestAmerica Job ID: NUJ3885
Project/Site: Gladiola Station - Lea County, NM

Qualifiers

GC Volatiles

Qualifier	Qualifier Description
Z1	Surrogate recovery was above acceptance limits.

GC Semivolatiles

Qualifier	Qualifier Description
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-1 (15-17)
Date Collected: 10/26/11 09:50
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-01
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		0.133		mg/kg wet		11/02/11 19:22	11/04/11 22:29	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*109*		*50 - 150*	*11/02/11 19:22*	*11/04/11 22:29*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00133		mg/kg wet		11/02/11 19:22	11/04/11 22:29	1.00
Ethylbenzene	ND		0.00133		mg/kg wet		11/02/11 19:22	11/04/11 22:29	1.00
Toluene	ND		0.00133		mg/kg wet		11/02/11 19:22	11/04/11 22:29	1.00
Xylenes, total	ND		0.00398		mg/kg wet		11/02/11 19:22	11/04/11 22:29	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*109*		*50 - 150*	*11/02/11 19:22*	*11/04/11 22:29*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		4.84		mg/kg wet		10/31/11 14:13	10/31/11 23:03	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*10/31/11 14:13*	*10/31/11 23:03*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-1 (35-37)
Date Collected: 10/26/11 10:30
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-02
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		0.110		mg/kg wet		11/02/11 19:22	11/04/11 22:48	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*123*		*50 - 150*	*11/02/11 19:22*	*11/04/11 22:48*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00110		mg/kg wet		11/02/11 19:22	11/04/11 22:48	1.00
Ethylbenzene	ND		0.00110		mg/kg wet		11/02/11 19:22	11/04/11 22:48	1.00
Toluene	**0.00236**		0.00110		mg/kg wet		11/02/11 19:22	11/04/11 22:48	1.00
Xylenes, total	ND		0.00329		mg/kg wet		11/02/11 19:22	11/04/11 22:48	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*123*		*50 - 150*	*11/02/11 19:22*	*11/04/11 22:48*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		4.95		mg/kg wet		10/31/11 14:13	10/31/11 23:20	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*		*50 - 150*	*10/31/11 14:13*	*10/31/11 23:20*	*1.00*

Client Sample ID: SB-2 (25-27)
Date Collected: 10/26/11 12:20
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-03
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		0.113		mg/kg wet		11/02/11 19:22	11/04/11 23:07	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*116*		*50 - 150*	*11/02/11 19:22*	*11/04/11 23:07*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00113		mg/kg wet		11/02/11 19:22	11/04/11 23:07	1.00
Ethylbenzene	ND		0.00113		mg/kg wet		11/02/11 19:22	11/04/11 23:07	1.00
Toluene	ND		0.00113		mg/kg wet		11/02/11 19:22	11/04/11 23:07	1.00
Xylenes, total	ND		0.00340		mg/kg wet		11/02/11 19:22	11/04/11 23:07	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*116*		*50 - 150*	*11/02/11 19:22*	*11/04/11 23:07*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		4.87		mg/kg wet		10/31/11 14:13	10/31/11 23:36	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*70*		*50 - 150*	*10/31/11 14:13*	*10/31/11 23:36*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-2 (35-37)
Date Collected: 10/26/11 12:45
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-04
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		0.167		mg/kg wet		11/02/11 19:22	11/04/11 23:26	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*110*		*50 - 150*	*11/02/11 19:22*	*11/04/11 23:26*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00274**		0.00167		mg/kg wet		11/02/11 19:22	11/04/11 23:26	1.00
Ethylbenzene	ND		0.00167		mg/kg wet		11/02/11 19:22	11/04/11 23:26	1.00
Toluene	**0.00346**		0.00167		mg/kg wet		11/02/11 19:22	11/04/11 23:26	1.00
Xylenes, total	ND		0.00500		mg/kg wet		11/02/11 19:22	11/04/11 23:26	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*110*		*50 - 150*	*11/02/11 19:22*	*11/04/11 23:26*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	**16.6**		4.96		mg/kg wet		10/31/11 14:13	10/31/11 23:52	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*10/31/11 14:13*	*10/31/11 23:52*	*1.00*

Client Sample Results

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-3 (30-32)

Date Collected: 10/26/11 15:10
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-05

Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	**4.34**		0.129		mg/kg wet		11/02/11 19:22	11/04/11 23:45	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*50 - 150*	*11/02/11 19:22*	*11/04/11 23:45*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0154**		0.00129		mg/kg wet		11/02/11 19:22	11/04/11 23:45	1.00
Ethylbenzene	**0.0404**		0.00129		mg/kg wet		11/02/11 19:22	11/04/11 23:45	1.00
Toluene	**0.0277**		0.00129		mg/kg wet		11/02/11 19:22	11/04/11 23:45	1.00
Xylenes, total	**0.118**		0.00386		mg/kg wet		11/02/11 19:22	11/04/11 23:45	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*50 - 150*	*11/02/11 19:22*	*11/04/11 23:45*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	**289**		9.96		mg/kg wet		10/31/11 14:13	11/01/11 11:04	2.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*175*	*ZX*	*50 - 150*	*10/31/11 14:13*	*11/01/11 11:04*	*2.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-3 (35-37)
Date Collected: 10/26/11 15:20
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-06
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	3.45		0.118		mg/kg wet		11/02/11 19:22	11/05/11 00:03	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*50 - 150*	*11/02/11 19:22*	*11/05/11 00:03*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0199		0.00118		mg/kg wet		11/02/11 19:22	11/05/11 00:03	1.00
Ethylbenzene	0.0325		0.00118		mg/kg wet		11/02/11 19:22	11/05/11 00:03	1.00
Toluene	0.0249		0.00118		mg/kg wet		11/02/11 19:22	11/05/11 00:03	1.00
Xylenes, total	0.0870		0.00353		mg/kg wet		11/02/11 19:22	11/05/11 00:03	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*50 - 150*	*11/02/11 19:22*	*11/05/11 00:03*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	107		4.92		mg/kg wet		10/31/11 14:13	11/01/11 00:57	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*117*		*50 - 150*	*10/31/11 14:13*	*11/01/11 00:57*	*1.00*

Client Sample ID: SB-4 (30-32)
Date Collected: 10/26/11 17:05
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-07
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	**1.63**		0.124		mg/kg wet		11/02/11 19:22	11/05/11 00:22	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*50 - 150*	*11/02/11 19:22*	*11/05/11 00:22*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00124		mg/kg wet		11/02/11 19:22	11/05/11 00:22	1.00
Ethylbenzene	**0.00723**		0.00124		mg/kg wet		11/02/11 19:22	11/05/11 00:22	1.00
Toluene	**0.00592**		0.00124		mg/kg wet		11/02/11 19:22	11/05/11 00:22	1.00
Xylenes, total	**0.0604**		0.00373		mg/kg wet		11/02/11 19:22	11/05/11 00:22	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*50 - 150*	*11/02/11 19:22*	*11/05/11 00:22*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	**47.8**		4.99		mg/kg wet		10/31/11 14:13	11/01/11 01:14	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*50 - 150*	*10/31/11 14:13*	*11/01/11 01:14*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-4 (38-40)
Date Collected: 10/27/11 11:05
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-08
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	3.38		0.106		mg/kg wet		11/02/11 19:22	11/05/11 00:41	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*102*		*50 - 150*	*11/02/11 19:22*	*11/05/11 00:41*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0128		0.00106		mg/kg wet		11/02/11 19:22	11/05/11 00:41	1.00
Ethylbenzene	0.0217		0.00106		mg/kg wet		11/02/11 19:22	11/05/11 00:41	1.00
Toluene	0.0121		0.00106		mg/kg wet		11/02/11 19:22	11/05/11 00:41	1.00
Xylenes, total	0.107		0.00317		mg/kg wet		11/02/11 19:22	11/05/11 00:41	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*102*		*50 - 150*	*11/02/11 19:22*	*11/05/11 00:41*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	47.8		4.88		mg/kg wet		10/31/11 14:13	11/01/11 01:30	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*50 - 150*	*10/31/11 14:13*	*11/01/11 01:30*	*1.00*

Client Sample ID: SB-6 (30-32)
Date Collected: 10/27/11 13:15
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-09
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	**0.248**		0.136		mg/kg wet		11/02/11 19:22	11/05/11 01:00	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*50 - 150*	*11/02/11 19:22*	*11/05/11 01:00*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00136		mg/kg wet		11/02/11 19:22	11/05/11 01:00	1.00
Ethylbenzene	ND		0.00136		mg/kg wet		11/02/11 19:22	11/05/11 01:00	1.00
Toluene	ND		0.00136		mg/kg wet		11/02/11 19:22	11/05/11 01:00	1.00
Xylenes, total	**0.00506**		0.00408		mg/kg wet		11/02/11 19:22	11/05/11 01:00	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*103*		*50 - 150*	*11/02/11 19:22*	*11/05/11 01:00*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	**13.3**		4.83		mg/kg wet		10/31/11 14:13	11/01/11 01:46	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*50 - 150*	*10/31/11 14:13*	*11/01/11 01:46*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-6 (35-37)
Date Collected: 10/27/11 13:25
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-10
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		0.152		mg/kg wet		11/02/11 19:22	11/05/11 01:19	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*107*		*50 - 150*	*11/02/11 19:22*	*11/05/11 01:19*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00152		mg/kg wet		11/02/11 19:22	11/05/11 01:19	1.00
Ethylbenzene	ND		0.00152		mg/kg wet		11/02/11 19:22	11/05/11 01:19	1.00
Toluene	**0.00305**		0.00152		mg/kg wet		11/02/11 19:22	11/05/11 01:19	1.00
Xylenes, total	ND		0.00457		mg/kg wet		11/02/11 19:22	11/05/11 01:19	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*107*		*50 - 150*	*11/02/11 19:22*	*11/05/11 01:19*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		4.96		mg/kg wet		10/31/11 14:13	11/01/11 02:02	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*10/31/11 14:13*	*11/01/11 02:02*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-5 (30-32)
Date Collected: 10/27/11 17:15
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-11
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	10.8		0.159		mg/kg wet		11/02/11 19:22	11/05/11 01:38	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*50 - 150*	*11/02/11 19:22*	*11/05/11 01:38*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.0461		0.00159		mg/kg wet		11/02/11 19:22	11/05/11 01:38	1.00
Ethylbenzene	0.135		0.00159		mg/kg wet		11/02/11 19:22	11/05/11 01:38	1.00
Toluene	0.0524		0.00159		mg/kg wet		11/02/11 19:22	11/05/11 01:38	1.00
Xylenes, total	0.435		0.00476		mg/kg wet		11/02/11 19:22	11/05/11 01:38	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*50 - 150*	*11/02/11 19:22*	*11/05/11 01:38*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	68.0		4.85		mg/kg wet		10/31/11 14:13	11/01/11 02:18	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*50 - 150*	*10/31/11 14:13*	*11/01/11 02:18*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-5 (35-37)
Date Collected: 10/27/11 17:25
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-12
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	1.87		0.115		mg/kg wet		11/02/11 19:22	11/05/11 01:56	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*105*		*50 - 150*	*11/02/11 19:22*	*11/05/11 01:56*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00662		0.00115		mg/kg wet		11/02/11 19:22	11/05/11 01:56	1.00
Ethylbenzene	0.0179		0.00115		mg/kg wet		11/02/11 19:22	11/05/11 01:56	1.00
Toluene	0.00917		0.00115		mg/kg wet		11/02/11 19:22	11/05/11 01:56	1.00
Xylenes, total	0.0587		0.00346		mg/kg wet		11/02/11 19:22	11/05/11 01:56	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*105*		*50 - 150*	*11/02/11 19:22*	*11/05/11 01:56*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	91.5		4.95		mg/kg wet		10/31/11 14:13	11/01/11 02:34	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*50 - 150*	*10/31/11 14:13*	*11/01/11 02:34*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-7 (30-32)
Date Collected: 10/27/11 15:40
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-13
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	**0.607**		0.156		mg/kg wet		11/02/11 19:22	11/05/11 02:15	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*105*		*50 - 150*	*11/02/11 19:22*	*11/05/11 02:15*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.00237**		0.00156		mg/kg wet		11/02/11 19:22	11/05/11 02:15	1.00
Ethylbenzene	ND		0.00156		mg/kg wet		11/02/11 19:22	11/05/11 02:15	1.00
Toluene	**0.00483**		0.00156		mg/kg wet		11/02/11 19:22	11/05/11 02:15	1.00
Xylenes, total	**0.0193**		0.00467		mg/kg wet		11/02/11 19:22	11/05/11 02:15	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*105*		*50 - 150*	*11/02/11 19:22*	*11/05/11 02:15*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	**81.2**		4.96		mg/kg wet		10/31/11 14:13	11/01/11 02:50	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*110*		*50 - 150*	*10/31/11 14:13*	*11/01/11 02:50*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-7 (35-37)
Date Collected: 10/27/11 15:45
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-14
Matrix: Soil

6

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	1.35		0.140		mg/kg wet		11/02/11 19:22	11/05/11 02:34	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*50 - 150*	*11/02/11 19:22*	*11/05/11 02:34*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00254		0.00140		mg/kg wet		11/02/11 19:22	11/05/11 02:34	1.00
Ethylbenzene	0.00801		0.00140		mg/kg wet		11/02/11 19:22	11/05/11 02:34	1.00
Toluene	0.00498		0.00140		mg/kg wet		11/02/11 19:22	11/05/11 02:34	1.00
Xylenes, total	0.0501		0.00419		mg/kg wet		11/02/11 19:22	11/05/11 02:34	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*106*		*50 - 150*	*11/02/11 19:22*	*11/05/11 02:34*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	57.3		4.97		mg/kg wet		10/31/11 14:13	11/01/11 03:07	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*128*		*50 - 150*	*10/31/11 14:13*	*11/01/11 03:07*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: Trip Blank 1
Date Collected: 10/27/11 00:01
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-15
Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		10/27/11 00:01	11/05/11 13:05	1.00
Ethylbenzene	ND		1.00		ug/L		10/27/11 00:01	11/05/11 13:05	1.00
Toluene	ND		1.00		ug/L		10/27/11 00:01	11/05/11 13:05	1.00
Xylenes, total	ND		3.00		ug/L		10/27/11 00:01	11/05/11 13:05	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*78*		*50 - 150*	*10/27/11 00:01*	*11/05/11 13:05*	*1.00*

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Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: Trip Blank 2
Date Collected: 10/27/11 00:01
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3885-16
Matrix: Water

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		10/27/11 00:01	11/05/11 13:40	1.00
Ethylbenzene	ND		1.00		ug/L		10/27/11 00:01	11/05/11 13:40	1.00
Toluene	ND		1.00		ug/L		10/27/11 00:01	11/05/11 13:40	1.00
Xylenes, total	ND		3.00		ug/L		10/27/11 00:01	11/05/11 13:40	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*79*		*50 - 150*	*10/27/11 00:01*	*11/05/11 13:40*	*1.00*

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Method: SW846 8015B - Purgeable Petroleum Hydrocarbons

Lab Sample ID: 11K0853-BLK1
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		5.00		mg/kg wet		11/03/11 14:47	11/04/11 21:14	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*117*		*50 - 150*	*11/03/11 14:47*	*11/04/11 21:14*	*50.0*

Lab Sample ID: 11K0853-BLK2
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		5.00		mg/kg wet		11/03/11 14:47	11/04/11 21:33	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*118*		*50 - 150*	*11/03/11 14:47*	*11/04/11 21:33*	*50.0*

Lab Sample ID: 11K0853-BLK3
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		0.100		mg/kg wet		11/03/11 14:47	11/04/11 21:52	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*117*		*50 - 150*	*11/03/11 14:47*	*11/04/11 21:52*	*1.00*

Lab Sample ID: 11K0853-BLK4
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		0.100		mg/kg wet		11/03/11 14:47	11/04/11 22:10	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*117*		*50 - 150*	*11/03/11 14:47*	*11/04/11 22:10*	*1.00*

Lab Sample ID: 11K0853-BLK5
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		5.00		mg/kg wet		11/03/11 14:47	11/05/11 06:01	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*50 - 150*	*11/03/11 14:47*	*11/05/11 06:01*	*50.0*

Method: SW846 8015B - Purgeable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11K0853-BLK6
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		5.00		mg/kg wet		11/03/11 14:47	11/05/11 06:20	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*124*		*50 - 150*	*11/03/11 14:47*	*11/05/11 06:20*	*50.0*

Lab Sample ID: 11K0853-BLK7
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		0.100		mg/kg wet		11/03/11 14:47	11/05/11 06:39	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*50 - 150*	*11/03/11 14:47*	*11/05/11 06:39*	*1.00*

Lab Sample ID: 11K0853-BLK8
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
GRO as Gasoline	ND		0.100		mg/kg wet		11/03/11 14:47	11/05/11 06:58	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*122*		*50 - 150*	*11/03/11 14:47*	*11/05/11 06:58*	*1.00*

Lab Sample ID: 11K0853-BS1
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
GRO as Gasoline	10.0	8.97		mg/kg wet		90	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*164*	*Z1*	*50 - 150*

Lab Sample ID: 11K0853-BSD1
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
GRO as Gasoline	10.0	9.64		mg/kg wet		96	70 - 130	7	23

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*154*	*Z1*	*50 - 150*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B

Lab Sample ID: 11K0853-BLK1
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/04/11 21:14	50.0
Ethylbenzene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/04/11 21:14	50.0
Toluene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/04/11 21:14	50.0
Xylenes, total	ND		0.150		mg/kg wet		11/03/11 14:47	11/04/11 21:14	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*117*		*50 - 150*	*11/03/11 14:47*	*11/04/11 21:14*	*50.0*

Lab Sample ID: 11K0853-BLK2
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/04/11 21:33	50.0
Ethylbenzene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/04/11 21:33	50.0
Toluene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/04/11 21:33	50.0
Xylenes, total	ND		0.150		mg/kg wet		11/03/11 14:47	11/04/11 21:33	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*118*		*50 - 150*	*11/03/11 14:47*	*11/04/11 21:33*	*50.0*

Lab Sample ID: 11K0853-BLK3
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/04/11 21:52	1.00
Ethylbenzene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/04/11 21:52	1.00
Toluene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/04/11 21:52	1.00
Xylenes, total	ND		0.00300		mg/kg wet		11/03/11 14:47	11/04/11 21:52	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*117*		*50 - 150*	*11/03/11 14:47*	*11/04/11 21:52*	*1.00*

Lab Sample ID: 11K0853-BLK4
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/04/11 22:10	1.00
Ethylbenzene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/04/11 22:10	1.00
Toluene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/04/11 22:10	1.00
Xylenes, total	ND		0.00300		mg/kg wet		11/03/11 14:47	11/04/11 22:10	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*117*		*50 - 150*	*11/03/11 14:47*	*11/04/11 22:10*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B (Continued)

Lab Sample ID: 11K0853-BLK5
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/05/11 06:01	50.0
Ethylbenzene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/05/11 06:01	50.0
Toluene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/05/11 06:01	50.0
Xylenes, total	ND		0.150		mg/kg wet		11/03/11 14:47	11/05/11 06:01	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*50 - 150*	*11/03/11 14:47*	*11/05/11 06:01*	*50.0*

Lab Sample ID: 11K0853-BLK6
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/05/11 06:20	50.0
Ethylbenzene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/05/11 06:20	50.0
Toluene	ND		0.0500		mg/kg wet		11/03/11 14:47	11/05/11 06:20	50.0
Xylenes, total	ND		0.150		mg/kg wet		11/03/11 14:47	11/05/11 06:20	50.0

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*124*		*50 - 150*	*11/03/11 14:47*	*11/05/11 06:20*	*50.0*

Lab Sample ID: 11K0853-BLK7
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/05/11 06:39	1.00
Ethylbenzene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/05/11 06:39	1.00
Toluene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/05/11 06:39	1.00
Xylenes, total	ND		0.00300		mg/kg wet		11/03/11 14:47	11/05/11 06:39	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*121*		*50 - 150*	*11/03/11 14:47*	*11/05/11 06:39*	*1.00*

Lab Sample ID: 11K0853-BLK8
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/05/11 06:58	1.00
Ethylbenzene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/05/11 06:58	1.00
Toluene	ND		0.00100		mg/kg wet		11/03/11 14:47	11/05/11 06:58	1.00
Xylenes, total	ND		0.00300		mg/kg wet		11/03/11 14:47	11/05/11 06:58	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*122*		*50 - 150*	*11/03/11 14:47*	*11/05/11 06:58*	*1.00*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B (Continued)

Lab Sample ID: 11K0853-BS2
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.103		mg/kg wet		103	76 - 120
Ethylbenzene	0.100	0.105		mg/kg wet		105	77 - 120
Toluene	0.100	0.104		mg/kg wet		104	79 - 120
Xylenes, total	0.300	0.304		mg/kg wet		101	79 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*123*		*50 - 150*

Lab Sample ID: 11K0853-BS3
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.100	0.106		mg/kg wet		106	76 - 120
Ethylbenzene	0.100	0.109		mg/kg wet		109	77 - 120
Toluene	0.100	0.107		mg/kg wet		107	79 - 120
Xylenes, total	0.300	0.312		mg/kg wet		104	79 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*124*		*50 - 150*

Lab Sample ID: 11K0853-BSD2
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.106		mg/kg wet		106	76 - 120	3	27
Ethylbenzene	0.100	0.108		mg/kg wet		108	77 - 120	3	49
Toluene	0.100	0.107		mg/kg wet		107	79 - 120	3	37
Xylenes, total	0.300	0.313		mg/kg wet		104	79 - 120	3	46

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*124*		*50 - 150*

Lab Sample ID: 11K0853-BSD3
Matrix: Soil
Analysis Batch: U019642

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K0853_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.100	0.106		mg/kg wet		106	76 - 120	0.5	27
Ethylbenzene	0.100	0.108		mg/kg wet		108	77 - 120	0.9	49
Toluene	0.100	0.107		mg/kg wet		107	79 - 120	0.007	37
Xylenes, total	0.300	0.313		mg/kg wet		104	79 - 120	0.4	46

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*124*		*50 - 150*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B (Continued)

Lab Sample ID: 11K0853-MS1 — **Client Sample ID: Matrix Spike**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: U019642 — **Prep Batch: 11K0853_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.00183		0.0448	0.0419		mg/kg wet		89	36 - 131
Ethylbenzene	0.00103		0.0448	0.0381		mg/kg wet		83	10 - 141
Toluene	0.00258		0.0448	0.0413		mg/kg wet		86	20 - 143
Xylenes, total	ND		0.134	0.107		mg/kg wet		79	10 - 145

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*109*		*50 - 150*

Lab Sample ID: 11K0853-MSD1 — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Soil — **Prep Type: Total**
Analysis Batch: U019642 — **Prep Batch: 11K0853_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.00183		0.0433	0.0330		mg/kg wet		72	36 - 131	24	27
Ethylbenzene	0.00103		0.0433	0.0313		mg/kg wet		70	10 - 141	20	49
Toluene	0.00258		0.0433	0.0329		mg/kg wet		70	20 - 143	23	37
Xylenes, total	ND		0.130	0.0885		mg/kg wet		68	10 - 145	19	46

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*114*		*50 - 150*

Lab Sample ID: 11K1292-BLK1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total**
Analysis Batch: U019572 — **Prep Batch: 11K1292_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		1.00		ug/L		11/05/11 00:00	11/05/11 12:29	1.00
Ethylbenzene	ND		1.00		ug/L		11/05/11 00:00	11/05/11 12:29	1.00
Toluene	ND		1.00		ug/L		11/05/11 00:00	11/05/11 12:29	1.00
Xylenes, total	ND		3.00		ug/L		11/05/11 00:00	11/05/11 12:29	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
a,a,a-Trifluorotoluene	*76*		*50 - 150*	*11/05/11 00:00*	*11/05/11 12:29*	*1.00*

Lab Sample ID: 11K1292-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total**
Analysis Batch: U019572 — **Prep Batch: 11K1292_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	100	111		ug/L		111	69 - 129
Ethylbenzene	100	106		ug/L		106	70 - 130
Toluene	100	101		ug/L		101	66 - 127
Xylenes, total	300	302		ug/L		101	69 - 123

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*84*		*50 - 150*

Method: SW846 8021B - Volatile Organic Compounds by EPA Method 8021B (Continued)

Lab Sample ID: 11K1292-BSD1
Matrix: Water
Analysis Batch: U019572

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K1292_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	100	110		ug/L		110	69 - 129	2	33
Ethylbenzene	100	105		ug/L		105	70 - 130	1	35
Toluene	100	99.5		ug/L		99	66 - 127	1	34
Xylenes, total	300	299		ug/L		100	69 - 123	1	37

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*86*		*50 - 150*

Lab Sample ID: 11K1292-MS1
Matrix: Water
Analysis Batch: U019572

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11K1292_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		50.0	66.7		ug/L		133	29 - 176
Ethylbenzene	ND		50.0	63.2		ug/L		126	30 - 170
Toluene	ND		50.0	60.4		ug/L		121	30 - 167
Xylenes, total	ND		150	168		ug/L		112	28 - 164

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*88*		*50 - 150*

Lab Sample ID: 11K1292-MSD1
Matrix: Water
Analysis Batch: U019572

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11K1292_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	67.6		ug/L		135	29 - 176	1	33
Ethylbenzene	ND		50.0	63.5		ug/L		127	30 - 170	0.6	35
Toluene	ND		50.0	60.8		ug/L		122	30 - 167	0.6	34
Xylenes, total	ND		150	170		ug/L		114	28 - 164	1	37

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
a,a,a-Trifluorotoluene	*84*		*50 - 150*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons

Lab Sample ID: 11J7301-BLK1
Matrix: Soil
Analysis Batch: U019248

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11J7301_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel	ND		5.00		mg/kg wet		10/31/11 14:13	10/31/11 20:38	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*50 - 150*	*10/31/11 14:13*	*10/31/11 20:38*	*1.00*

Method: SW846 8015B - Extractable Petroleum Hydrocarbons (Continued)

Lab Sample ID: 11J7301-BS1
Matrix: Soil
Analysis Batch: U019248

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11J7301_P

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel			40.0	36.4		mg/kg wet		91	54 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*85*		*50 - 150*

Lab Sample ID: 11J7301-MS1
Matrix: Soil
Analysis Batch: U019248

Client Sample ID: SB-1 (15-17)
Prep Type: Total
Prep Batch: 11J7301_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel	3.19		39.6	34.5		mg/kg wet		79	10 - 142		

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
o-Terphenyl	*79*		*50 - 150*

Lab Sample ID: 11J7301-MSD1
Matrix: Soil
Analysis Batch: U019248

Client Sample ID: SB-1 (15-17)
Prep Type: Total
Prep Batch: 11J7301_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel	3.19		39.6	32.7		mg/kg wet		75	10 - 142	5	47

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
o-Terphenyl	*78*		*50 - 150*

QC Association Summary

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

GC Volatiles

Analysis Batch: U019572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1292-BLK1	Method Blank	Total	Water	SW846 8021B	11K1292_P
11K1292-BS1	Lab Control Sample	Total	Water	SW846 8021B	11K1292_P
11K1292-BSD1	Lab Control Sample Dup	Total	Water	SW846 8021B	11K1292_P
11K1292-MS1	Matrix Spike	Total	Water	SW846 8021B	11K1292_P
11K1292-MSD1	Matrix Spike Duplicate	Total	Water	SW846 8021B	11K1292_P
NUJ3885-15	Trip Blank 1	Total	Water	SW846 8021B	11K1292_P
NUJ3885-16	Trip Blank 2	Total	Water	SW846 8021B	11K1292_P

Analysis Batch: U019642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0853-BLK1	Method Blank	Total	Soil	SW846 8021B	11K0853_P
11K0853-BLK1	Method Blank	Total	Soil	SW846 8015B	11K0853_P
11K0853-BLK2	Method Blank	Total	Soil	SW846 8021B	11K0853_P
11K0853-BLK2	Method Blank	Total	Soil	SW846 8015B	11K0853_P
11K0853-BLK3	Method Blank	Total	Soil	SW846 8021B	11K0853_P
11K0853-BLK3	Method Blank	Total	Soil	SW846 8015B	11K0853_P
11K0853-BLK4	Method Blank	Total	Soil	SW846 8021B	11K0853_P
11K0853-BLK4	Method Blank	Total	Soil	SW846 8015B	11K0853_P
11K0853-BLK5	Method Blank	Total	Soil	SW846 8021B	11K0853_P
11K0853-BLK5	Method Blank	Total	Soil	SW846 8015B	11K0853_P
11K0853-BLK6	Method Blank	Total	Soil	SW846 8021B	11K0853_P
11K0853-BLK6	Method Blank	Total	Soil	SW846 8015B	11K0853_P
11K0853-BLK7	Method Blank	Total	Soil	SW846 8021B	11K0853_P
11K0853-BLK7	Method Blank	Total	Soil	SW846 8015B	11K0853_P
11K0853-BLK8	Method Blank	Total	Soil	SW846 8021B	11K0853_P
11K0853-BLK8	Method Blank	Total	Soil	SW846 8015B	11K0853_P
11K0853-BS1	Lab Control Sample	Total	Soil	SW846 8015B	11K0853_P
11K0853-BS2	Lab Control Sample	Total	Soil	SW846 8021B	11K0853_P
11K0853-BS3	Lab Control Sample	Total	Soil	SW846 8021B	11K0853_P
11K0853-BSD1	Lab Control Sample Dup	Total	Soil	SW846 8015B	11K0853_P
11K0853-BSD2	Lab Control Sample Dup	Total	Soil	SW846 8021B	11K0853_P
11K0853-BSD3	Lab Control Sample Dup	Total	Soil	SW846 8021B	11K0853_P
11K0853-MS1	Matrix Spike	Total	Soil	SW846 8021B	11K0853_P
11K0853-MSD1	Matrix Spike Duplicate	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-01	SB-1 (15-17)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-01	SB-1 (15-17)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-02	SB-1 (35-37)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-02	SB-1 (35-37)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-03	SB-2 (25-27)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-03	SB-2 (25-27)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-04	SB-2 (35-37)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-04	SB-2 (35-37)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-05	SB-3 (30-32)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-05	SB-3 (30-32)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-06	SB-3 (35-37)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-06	SB-3 (35-37)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-07	SB-4 (30-32)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-07	SB-4 (30-32)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-08	SB-4 (38-40)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-08	SB-4 (38-40)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-09	SB-6 (30-32)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-09	SB-6 (30-32)	Total	Soil	SW846 8015B	11K0853_P

GC Volatiles (Continued)

Analysis Batch: U019642 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUJ3885-10	SB-6 (35-37)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-10	SB-6 (35-37)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-11	SB-5 (30-32)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-11	SB-5 (30-32)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-12	SB-5 (35-37)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-12	SB-5 (35-37)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-13	SB-7 (30-32)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-13	SB-7 (30-32)	Total	Soil	SW846 8015B	11K0853_P
NUJ3885-14	SB-7 (35-37)	Total	Soil	SW846 8021B	11K0853_P
NUJ3885-14	SB-7 (35-37)	Total	Soil	SW846 8015B	11K0853_P

Prep Batch: 11K0853_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0853-BLK1	Method Blank	Total	Soil	EPA 5035A (GC)	
11K0853-BLK2	Method Blank	Total	Soil	EPA 5035A (GC)	
11K0853-BLK3	Method Blank	Total	Soil	EPA 5035A (GC)	
11K0853-BLK4	Method Blank	Total	Soil	EPA 5035A (GC)	
11K0853-BLK5	Method Blank	Total	Soil	EPA 5035A (GC)	
11K0853-BLK6	Method Blank	Total	Soil	EPA 5035A (GC)	
11K0853-BLK7	Method Blank	Total	Soil	EPA 5035A (GC)	
11K0853-BLK8	Method Blank	Total	Soil	EPA 5035A (GC)	
11K0853-BS1	Lab Control Sample	Total	Soil	EPA 5035A (GC)	
11K0853-BS2	Lab Control Sample	Total	Soil	EPA 5035A (GC)	
11K0853-BS3	Lab Control Sample	Total	Soil	EPA 5035A (GC)	
11K0853-BSD1	Lab Control Sample Dup	Total	Soil	EPA 5035A (GC)	
11K0853-BSD2	Lab Control Sample Dup	Total	Soil	EPA 5035A (GC)	
11K0853-BSD3	Lab Control Sample Dup	Total	Soil	EPA 5035A (GC)	
11K0853-MS1	Matrix Spike	Total	Soil	EPA 5035A (GC)	
11K0853-MSD1	Matrix Spike Duplicate	Total	Soil	EPA 5035A (GC)	
NUJ3885-01	SB-1 (15-17)	Total	Soil	EPA 5035A (GC)	
NUJ3885-02	SB-1 (35-37)	Total	Soil	EPA 5035A (GC)	
NUJ3885-03	SB-2 (25-27)	Total	Soil	EPA 5035A (GC)	
NUJ3885-04	SB-2 (35-37)	Total	Soil	EPA 5035A (GC)	
NUJ3885-05	SB-3 (30-32)	Total	Soil	EPA 5035A (GC)	
NUJ3885-06	SB-3 (35-37)	Total	Soil	EPA 5035A (GC)	

GC Volatiles (Continued)

Prep Batch: 11K0853_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUJ3885-07	SB-4 (30-32)	Total	Soil	EPA 5035A (GC)	
NUJ3885-08	SB-4 (38-40)	Total	Soil	EPA 5035A (GC)	
NUJ3885-09	SB-6 (30-32)	Total	Soil	EPA 5035A (GC)	
NUJ3885-10	SB-6 (35-37)	Total	Soil	EPA 5035A (GC)	
NUJ3885-11	SB-5 (30-32)	Total	Soil	EPA 5035A (GC)	
NUJ3885-12	SB-5 (35-37)	Total	Soil	EPA 5035A (GC)	
NUJ3885-13	SB-7 (30-32)	Total	Soil	EPA 5035A (GC)	
NUJ3885-14	SB-7 (35-37)	Total	Soil	EPA 5035A (GC)	

Prep Batch: 11K1292_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1292-BLK1	Method Blank	Total	Water	EPA 5030B (GC)	
11K1292-BS1	Lab Control Sample	Total	Water	EPA 5030B (GC)	
11K1292-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B (GC)	
11K1292-MS1	Matrix Spike	Total	Water	EPA 5030B (GC)	
11K1292-MSD1	Matrix Spike Duplicate	Total	Water	EPA 5030B (GC)	
NUJ3885-15	Trip Blank 1	Total	Water	EPA 5030B (GC)	
NUJ3885-16	Trip Blank 2	Total	Water	EPA 5030B (GC)	

GC Semivolatiles

Analysis Batch: U019248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J7301-BLK1	Method Blank	Total	Soil	SW846 8015B	11J7301_P
11J7301-BS1	Lab Control Sample	Total	Soil	SW846 8015B	11J7301_P
11J7301-MS1	SB-1 (15-17)	Total	Soil	SW846 8015B	11J7301_P
11J7301-MSD1	SB-1 (15-17)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-01	SB-1 (15-17)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-02	SB-1 (35-37)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-03	SB-2 (25-27)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-04	SB-2 (35-37)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-05 - RE1	SB-3 (30-32)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-06	SB-3 (35-37)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-07	SB-4 (30-32)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-08	SB-4 (38-40)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-09	SB-6 (30-32)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-10	SB-6 (35-37)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-11	SB-5 (30-32)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-12	SB-5 (35-37)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-13	SB-7 (30-32)	Total	Soil	SW846 8015B	11J7301_P
NUJ3885-14	SB-7 (35-37)	Total	Soil	SW846 8015B	11J7301_P

Prep Batch: 11J7301_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J7301-BLK1	Method Blank	Total	Soil	EPA 3550B	
11J7301-BS1	Lab Control Sample	Total	Soil	EPA 3550B	

GC Semivolatiles (Continued)

Prep Batch: 11J7301_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J7301-MS1	SB-1 (15-17)	Total	Soil	EPA 3550B	
11J7301-MSD1	SB-1 (15-17)	Total	Soil	EPA 3550B	
NUJ3885-01	SB-1 (15-17)	Total	Soil	EPA 3550B	
NUJ3885-02	SB-1 (35-37)	Total	Soil	EPA 3550B	
NUJ3885-03	SB-2 (25-27)	Total	Soil	EPA 3550B	
NUJ3885-04	SB-2 (35-37)	Total	Soil	EPA 3550B	
NUJ3885-05 - RE1	SB-3 (30-32)	Total	Soil	EPA 3550B	
NUJ3885-06	SB-3 (35-37)	Total	Soil	EPA 3550B	
NUJ3885-07	SB-4 (30-32)	Total	Soil	EPA 3550B	
NUJ3885-08	SB-4 (38-40)	Total	Soil	EPA 3550B	
NUJ3885-09	SB-6 (30-32)	Total	Soil	EPA 3550B	
NUJ3885-10	SB-6 (35-37)	Total	Soil	EPA 3550B	
NUJ3885-11	SB-5 (30-32)	Total	Soil	EPA 3550B	
NUJ3885-12	SB-5 (35-37)	Total	Soil	EPA 3550B	
NUJ3885-13	SB-7 (30-32)	Total	Soil	EPA 3550B	
NUJ3885-14	SB-7 (35-37)	Total	Soil	EPA 3550B	

Lab Chronicle

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-1 (15-17)

Lab Sample ID: NUJ3885-01

Date Collected: 10/26/11 09:50
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.33	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/04/11 22:29	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/04/11 22:29	FKG	TAL NSH
Total	Prep	EPA 3550B		0.968	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	10/31/11 23:03	JJP	TAL NSH

Client Sample ID: SB-1 (35-37)

Lab Sample ID: NUJ3885-02

Date Collected: 10/26/11 10:30
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.10	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/04/11 22:48	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/04/11 22:48	FKG	TAL NSH
Total	Prep	EPA 3550B		0.990	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	10/31/11 23:20	JJP	TAL NSH

Client Sample ID: SB-2 (25-27)

Lab Sample ID: NUJ3885-03

Date Collected: 10/26/11 12:20
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.13	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/04/11 23:07	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/04/11 23:07	FKG	TAL NSH
Total	Prep	EPA 3550B		0.974	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	10/31/11 23:36	JJP	TAL NSH

Client Sample ID: SB-2 (35-37)

Lab Sample ID: NUJ3885-04

Date Collected: 10/26/11 12:45
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.67	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/04/11 23:26	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/04/11 23:26	FKG	TAL NSH
Total	Prep	EPA 3550B		0.992	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	10/31/11 23:52	JJP	TAL NSH

Lab Chronicle

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-3 (30-32)

Lab Sample ID: NUJ3885-05

Date Collected: 10/26/11 15:10
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.29	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/04/11 23:45	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/04/11 23:45	FKG	TAL NSH
Total	Prep	EPA 3550B	RE1	0.996	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B	RE1	2.00	U019248	11/01/11 11:04	JJP	TAL NSH

Client Sample ID: SB-3 (35-37)

Lab Sample ID: NUJ3885-06

Date Collected: 10/26/11 15:20
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.18	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/05/11 00:03	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/05/11 00:03	FKG	TAL NSH
Total	Prep	EPA 3550B		0.983	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	11/01/11 00:57	JJP	TAL NSH

Client Sample ID: SB-4 (30-32)

Lab Sample ID: NUJ3885-07

Date Collected: 10/26/11 17:05
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.24	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/05/11 00:22	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/05/11 00:22	FKG	TAL NSH
Total	Prep	EPA 3550B		0.997	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	11/01/11 01:14	JJP	TAL NSH

Client Sample ID: SB-4 (38-40)

Lab Sample ID: NUJ3885-08

Date Collected: 10/27/11 11:05
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.06	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/05/11 00:41	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/05/11 00:41	FKG	TAL NSH
Total	Prep	EPA 3550B		0.975	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	11/01/11 01:30	JJP	TAL NSH

Lab Chronicle

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-6 (30-32)

Lab Sample ID: NUJ3885-09

Date Collected: 10/27/11 13:15
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.36	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/05/11 01:00	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/05/11 01:00	FKG	TAL NSH
Total	Prep	EPA 3550B		0.966	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	11/01/11 01:46	JJP	TAL NSH

Client Sample ID: SB-6 (35-37)

Lab Sample ID: NUJ3885-10

Date Collected: 10/27/11 13:25
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.52	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/05/11 01:19	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/05/11 01:19	FKG	TAL NSH
Total	Prep	EPA 3550B		0.992	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	11/01/11 02:02	JJP	TAL NSH

Client Sample ID: SB-5 (30-32)

Lab Sample ID: NUJ3885-11

Date Collected: 10/27/11 17:15
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.59	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/05/11 01:38	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/05/11 01:38	FKG	TAL NSH
Total	Prep	EPA 3550B		0.971	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	11/01/11 02:18	JJP	TAL NSH

Client Sample ID: SB-5 (35-37)

Lab Sample ID: NUJ3885-12

Date Collected: 10/27/11 17:25
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.15	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/05/11 01:56	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/05/11 01:56	FKG	TAL NSH
Total	Prep	EPA 3550B		0.990	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	11/01/11 02:34	JJP	TAL NSH

Lab Chronicle

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Client Sample ID: SB-7 (30-32)

Lab Sample ID: NUJ3885-13

Date Collected: 10/27/11 15:40
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.56	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/05/11 02:15	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/05/11 02:15	FKG	TAL NSH
Total	Prep	EPA 3550B		0.991	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	11/01/11 02:50	JJP	TAL NSH

Client Sample ID: SB-7 (35-37)

Lab Sample ID: NUJ3885-14

Date Collected: 10/27/11 15:45
Matrix: Soil
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5035A (GC)		1.40	11K0853_P	11/02/11 19:22	AAN	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019642	11/05/11 02:34	FKG	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019642	11/05/11 02:34	FKG	TAL NSH
Total	Prep	EPA 3550B		0.993	11J7301_P	10/31/11 14:13	JJR	TAL NSH
Total	Analysis	SW846 8015B		1.00	U019248	11/01/11 03:07	JJP	TAL NSH

Client Sample ID: Trip Blank 1

Lab Sample ID: NUJ3885-15

Date Collected: 10/27/11 00:01
Matrix: Water
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B (GC)		1.00	11K1292_P	10/27/11 00:01	GWM	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019572	11/05/11 13:05	GWM	TAL NSH

Client Sample ID: Trip Blank 2

Lab Sample ID: NUJ3885-16

Date Collected: 10/27/11 00:01
Matrix: Water
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B (GC)		1.00	11K1292_P	10/27/11 00:01	GWM	TAL NSH
Total	Analysis	SW846 8021B		1.00	U019572	11/05/11 13:40	GWM	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

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Method Summary

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Method	Method Description	Protocol	Laboratory
SW846 8015B	Purgeable Petroleum Hydrocarbons		TAL NSH
SW846 8021B	Volatile Organic Compounds by EPA Method 8021B		TAL NSH
SW846 8015B	Extractable Petroleum Hydrocarbons		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3885

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER R

NUJ3885

Cooler Received/Opened On 10/29/2011 @ 0820

1. Tracking # 1867 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 1.9 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA (circled: NA)

4. Were custody seals on outside of cooler? YES...NO...NA (circled: YES)

If yes, how many and where: One front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA (circled: YES)

6. Were custody papers inside cooler? YES...NO...NA (YES crossed out; circled: NO) DA 10-29-11

I certify that I opened the cooler and answered questions 1-6 (intial) DA

7. Were custody seals on containers: YES NO (circled: NO) and Intact YES...NO...NA (circled: NA)

Were these signed and dated correctly? YES...NO...NA (circled: NA)

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None (circled: Bubblewrap, Plastic bag)

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None (circled: Ice)

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA (circled: YES)

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA (circled: YES)

12. Did all container labels and tags agree with custody papers? YES...NO...NA (circled: YES)

13a. Were VOA vials received? YES...NO...NA (circled: YES)

b. Was there any observable headspace present in any VOA vial? YES...NO...NA (circled: NO)

14. Was there a Trip Blank in this cooler? YES...NO...NA (circled: YES) If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) JG

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA (circled: NA)

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA (circled: YES)

16. Was residual chlorine present? YES...NO...NA (circled: NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JG

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA (circled: YES)

18. Did you sign the custody papers in the appropriate place? YES...NO...NA (circled: YES)

19. Were correct containers used for the analysis requested? YES...NO...NA (circled: YES)

20. Was sufficient amount of sample sent in each container? YES...NO...NA (circled: YES)

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JG

I certify that I attached a label with the unique LIMS number to each container (intial) JG

21. Were there Non-Conformance issues at login? YES..NO (circled: NO) Was a PIPE generated? YES..NO..# (circled: NO)

BIS = Broken in shipment
Cooler Receipt Form.doc

Revised 6/24/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

NUJ3885
11/14/11 23:59

Mobil

Consultant: GES Stafford - Exxon (10341)
Address: 13003 SW Freeway, Suite 190
City, State, Zip: Stafford TX 77477
ExxonMobil Project Mgr: Joe Ibanez (inv.)
Consultant Project Mgr: Ryan Carroll
Consultant Telephone #r: (888) 540-0804 Fax: (281) 494-0496
Sampler Name (Print): Ryan Francis
SamplerSignature:

TA Account #: 1409738 PO #:
Invoice to: ExxonMobil Corporation (80110)
Report to: Ryan Carroll
Project Name: Exxon Gladiola Station
Retail Project (MRN): Gladiola
Major Project (AFE): E5.2003.38111.V.01.08
Site Address:
City,State,Zip: Tatum New Mexico

	Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: BTEX via 8021	TPH-GRO 8015	TPH-DRO 8015	PAHs via 8310	RCRA 8 metals	RUSH TAT (Pre Schedule)*	TAT request in Bus Days	Fax Results (Yes or No)
1	SB-1 (15-17)	10/26/11	0950	7	X			X	X						X					X		X	X	X	X	X			
2	SB-1 (35-37)	10/26/11	1030	7	X			X	X						X					X		X	X	X	X	X			
3	SB-2 (25-27)	10/26/11	1220	7	X			X	X						X					X		X	X	X	X	X			
4	SB-2 (35-37)	10/26/11	1245	7	X			X	X						X					X		X	X	X	X	X			
5	SB-3 (30-32)	10/26/11	on ice	7	X			X	X						X					X		X	X	X	X	X			
6	SB-3 (35-37)	10/26/11	on ice	7	X			X	X						X					X		X	X	X	X	X			
7	SB-4 (30-32)	10/26/11	on ice	7	X			X	X						X					X		X	X	X	X	X			
8	SB-4 (38-40)	10/27/11	1105	7	X			X	X						X					X		X	X	X	X	X			
9	SB-6 (30-32)	10/27/11	1315	7	X			X	X						X					X		X	X	X	X	X			
10	SB-6 (35-37)	10/27/11	1325	7	X			X	X						X					X		X	X	X	X	X			

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

* It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager_____ Date:_____

There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 26850

No PAHs or RCRA

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
	10/26/11	1725						

Shipped Via: FedEx	Shipped Via:	QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:

Received for TestAmerica by: TA-NSH	Date: 10/28/11	Time: 0820	Temperature Upon Receipt: 0.4, 4.0	Sample Containers Intact? Y N	VOCs Free of Headspace? Y N

0.6, 1.9

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

NUJ3885
11/14/11 23:59

Mobil

2 of 2

11/12/2011

Consultant: GES Stafford - Exxon (10341)
Address: 13003 SW Freeway, Suite 190
City, State, Zip: Stafford TX 77477
ExxonMobil Project Mgr: Joe Ibanez (inv.)
Consultant Project Mgr: Ryan Carroll
Consultant Telephone #r: (888) 540-0804 Fax: (281) 494-0496
Sampler Name (Print): Ryan Francis
SamplerSignature:

TA Account #: 1409738 PO #:
Invoice to: ExxonMobil Corporation (80110)
Report to: Ryan Carroll
Project Name: Exxon Gladiola Station
Retail Project (MRN): Gladiola
Major Project (AFE): E5.2003.38111.V.01.08
Site Address:
City,State,Zip: Tatum New Mexico

	Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: BTEX via 8021	TPH-GRO	TPH-DRO	RUSH TAT (Pre Schedule)*	TAT request in Bus Days	Fax Results (Yes or No)
1	SB-5 (30-32)	10/27/11	1715	7	X			X	X						X					X		X	X	X			
2	SB-5 (35-37)	10/27/11	1725	7	X			X	X						X					X		X	X	X			
3	SB-7 (30-32)	10/27/11	1540	7	X			X	X						X					X		X	X	X			
4	SB-7 (35-37)	10/27/11	1545	7	X			X	X						X					X		X	X	X			
5	Trip Blanks																										

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager_____ Date:_____
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 26850

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
	10/28/11	1825						
Shipped Via: Fed Ex			Shipped Via:			QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)		Date Due of Report:
Received for TestAmerica by: TA-NSH	Date: 10/29/11	Time: 0820	Temperature Upon Receipt: 0.4, 4.6	Sample Containers Intact? Y N				
			0.0, 1.9	VOCs Free of Headspace? Y N				

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

NUJ3885
11/14/11 23:59

COOLER RECEIPT FORM

Cooler Received/Opened On 10/29/2011 @ 0820

1. Tracking # 1889 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 4.0 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: one front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA DA 10-29-11

I certify that I opened the cooler and answered questions 1-6 (intial) DA

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated ~~correctly~~? YES...NO...(NA)

8. Packing mat'l used? ~~Bubblewrap~~ Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) JG

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JG

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JG

I certify that I attached a label with the unique LIMS number to each container (intial) JG

21. Were there Non-Conformance issues at login? YES...(NO) Was a PIPE generated? YES...(NO)...#

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

NUJ3885

11/14/11 23:59

COOLER RECEIPT FORM

Cooler Received/Opened On 10/29/2011 @ 0820

1. Tracking # 1845 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 0.4 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES (NO)...NA

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? YES...(NO)...NA

I certify that I opened the cooler and answered questions 1-6 (intial) J.G.

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # 4

I certify that I unloaded the cooler and answered questions 7-14 (intial) J.G

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)..NO...NA

16. Was residual chlorine present? YES..(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) J.G.

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) J.G.

I certify that I attached a label with the unique LIMS number to each container (intial) J.G.

21. Were there Non-Conformance issues at login? YES.(NO) Was a PIPE generated? YES...(NO)..#_____

1

BIS = Broken in shipment

Cooler Receipt Form.doc

LF-1

Revised 6/24/09

End of Form

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

NUJ3885
11/14/11 23:59

COOLER RECEIPT FORM

Cooler Received/Opened On 10/29/2011@ 8:20

1. Tracking # 1878 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 0.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JH

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack (Ice (direct contact)) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) J.G.

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) J.G.

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) J.G.

I certify that I attached a label with the unique LIMS number to each container (intial) J.G.

21. Were there Non-Conformance issues at login? YES...(NO) Was a PIPE generated? YES...(NO)...#

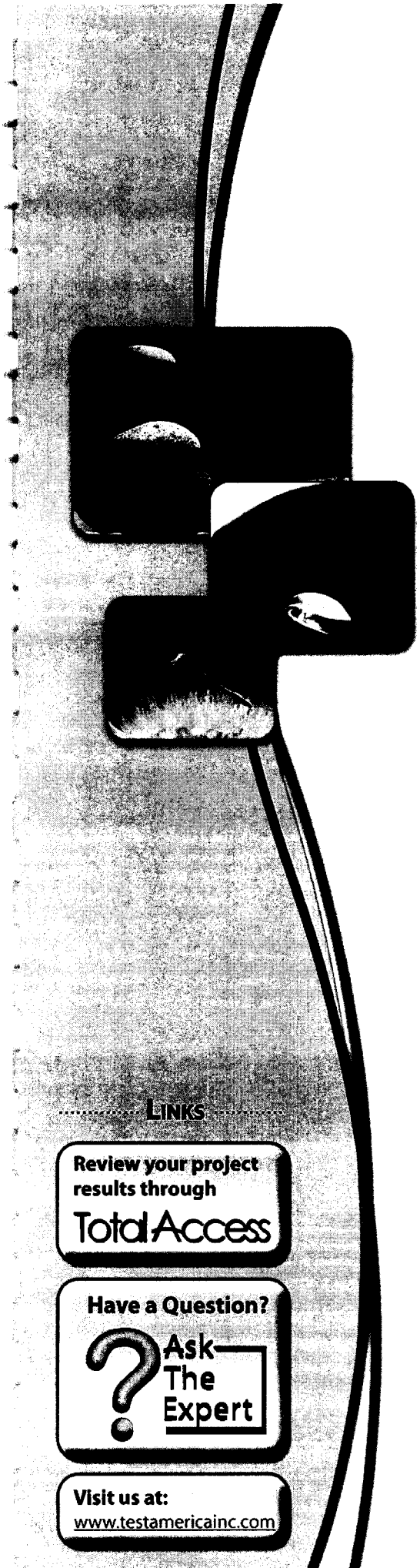
12

BIS = Broken in shipment
Cooler Receipt Form.doc

Revised 6/24/09
11/12/2011

APPENDIX C

Temporary Monitoring Well Groundwater Analytical Package



TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NUJ3893
Client Project/Site: Gladiola Station - Lea County, NM
Client Project Description: Exxon Gladiola Station

For:
GES Stafford - Exxon (10341)
13003 SW Freeway, Suite 190
Stafford, TX 77477

Attn: Ryan Carroll

Authorized for release by:
11/12/2011 8:28:15 AM

Leah R. Klingensmith
Senior Project Management
leah.klingensmith@testamericainc.com

Table of Contents

Sample Summary

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUJ3893-01	SB-1GW	Ground Water	10/28/11 09:10	10/29/11 08:20
NUJ3893-02	SB-2GW	Ground Water	10/28/11 10:15	10/29/11 08:20
NUJ3893-03	SB-3GW	Ground Water	10/28/11 10:30	10/29/11 08:20
NUJ3893-04	SB-4GW	Ground Water	10/28/11 10:50	10/29/11 08:20
NUJ3893-05	SB-5GW	Ground Water	10/28/11 11:45	10/29/11 08:20
NUJ3893-06	SB-6GW	Ground Water	10/28/11 11:05	10/29/11 08:20
NUJ3893-07	SB-7GW	Ground Water	10/28/11 11:20	10/29/11 08:20
NUJ3893-08	FB	Water	10/28/11 12:25	10/29/11 08:20
NUJ3893-09	DUP	Ground Water	10/28/11 00:01	10/29/11 08:20
NUJ3893-10	Trip Blank	Water	10/28/11 00:01	10/29/11 08:20

Definitions/Glossary

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

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Qualifiers

GCMS Volatiles

Qualifier	Qualifier Description
M7	The MS and/or MSD were above the acceptance limits. See Blank Spike (LCS).
Z1	Surrogate recovery was above acceptance limits.
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
B	Analyte was detected in the associated Method Blank.
L	Laboratory Control Sample and/or Laboratory Control Sample Duplicate recovery was above the acceptance limits. Analyte not detected, data not impacted.

GCMS Semivolatiles

Qualifier	Qualifier Description
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
B	Analyte was detected in the associated Method Blank.
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.

HPLC

Qualifier	Qualifier Description
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
E	Concentration exceeds the calibration range and therefore result is semi-quantitative.

Metals

Qualifier	Qualifier Description
M8	The MS and/or MSD were below the acceptance limits. See Blank Spike (LCS).
P7	Sample filtered in lab.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-1GW
Date Collected: 10/28/11 09:10
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-01
Matrix: Ground Water

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Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Benzene	**7.19**		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Bromobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Bromochloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Bromodichloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Bromoform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Bromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
2-Butanone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
sec-Butylbenzene	**5.79**		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
n-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
tert-Butylbenzene	**1.41**		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Carbon disulfide	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Chlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Chloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Chloroform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Chloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Dibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Ethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
2-Hexanone	ND	M7	10.0		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Isopropylbenzene	**39.4**		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
p-Isopropyltoluene	**2.28**		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Methylene Chloride	ND		5.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
4-Methyl-2-pentanone	ND	M7	10.0		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Naphthalene	ND		5.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
n-Propylbenzene	**1.39**		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Styrene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00

Client Sample ID: SB-1GW
Date Collected: 10/28/11 09:10
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-01
Matrix: Ground Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Tetrachloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Toluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,1,2-Trichloroethane	ND	M7	1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Trichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Vinyl chloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00
Xylenes, total	ND		3.00		ug/L		11/03/11 08:13	11/03/11 14:46	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*114*		*70 - 130*	*11/03/11 08:13*	*11/03/11 14:46*	*1.00*
Dibromofluoromethane	*105*		*70 - 130*	*11/03/11 08:13*	*11/03/11 14:46*	*1.00*
Toluene-d8	*108*		*70 - 130*	*11/03/11 08:13*	*11/03/11 14:46*	*1.00*
4-Bromofluorobenzene	*107*		*70 - 130*	*11/03/11 08:13*	*11/03/11 14:46*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Acenaphthylene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Anthracene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Benzo (a) anthracene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Benzo (a) pyrene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Benzo (b) fluoranthene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Benzo (g,h,i) perylene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Benzo (k) fluoranthene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Chrysene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Dibenz (a,h) anthracene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Fluoranthene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Fluorene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
1-Methylnaphthalene	**0.462**		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
2-Methylnaphthalene	**0.144**		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Naphthalene	**0.115**		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Phenanthrene	**0.452**		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00
Pyrene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 17:36	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*49*		*27 - 120*	*11/03/11 13:30*	*11/04/11 17:36*	*1.00*
2-Fluorobiphenyl	*31*		*29 - 120*	*11/03/11 13:30*	*11/04/11 17:36*	*1.00*
Terphenyl-d14	*45*		*13 - 120*	*11/03/11 13:30*	*11/04/11 17:36*	*1.00*

Method: SW846 9056 - General Chemistry Parameters - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.40**		1.00		mg/L		11/05/11 15:01	11/05/11 16:12	1.00
Sulfate	**77.8**		1.00		mg/L		11/05/11 15:01	11/05/11 16:12	1.00

Client Sample Results

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-1GW
Date Collected: 10/28/11 09:10
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-01
Matrix: Ground Water

5

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:03	1.00
Barium	**0.0808**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:03	1.00
Cadmium	ND	P7	0.00100		mg/L		11/03/11 06:56	11/05/11 06:03	1.00
Chromium	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:03	1.00
Lead	**0.00530**	**P7**	0.00500		mg/L		11/03/11 06:56	11/05/11 06:03	1.00
Selenium	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:03	1.00
Silver	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:03	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	P7	0.000200		mg/L		11/02/11 08:35	11/02/11 14:48	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-2GW
Date Collected: 10/28/11 10:15
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-02
Matrix: Ground Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Bromobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Bromochloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Bromodichloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Bromoform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Bromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
2-Butanone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
sec-Butylbenzene	**2.82**		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
n-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
tert-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Carbon disulfide	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Chlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Chloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Chloroform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Chloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Dibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Ethylbenzene	**138**		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
2-Hexanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Isopropylbenzene	**23.5**		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
p-Isopropyltoluene	**2.34**		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Methylene Chloride	ND		5.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Naphthalene	**34.4**		5.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
n-Propylbenzene	**18.4**		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Styrene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00

Client Sample ID: SB-2GW
Date Collected: 10/28/11 10:15
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-02
Matrix: Ground Water

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Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Toluene	**93.8**		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Trichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,3,5-Trimethylbenzene	**37.2**		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
1,2,4-Trimethylbenzene	**98.5**		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Vinyl chloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00
Xylenes, total	**260**		3.00		ug/L		11/03/11 08:13	11/03/11 15:12	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*115*		*70 - 130*	*11/03/11 08:13*	*11/03/11 15:12*	*1.00*
Dibromofluoromethane	*103*		*70 - 130*	*11/03/11 08:13*	*11/03/11 15:12*	*1.00*
Toluene-d8	*108*		*70 - 130*	*11/03/11 08:13*	*11/03/11 15:12*	*1.00*
4-Bromofluorobenzene	*107*		*70 - 130*	*11/03/11 08:13*	*11/03/11 15:12*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1880**	**M7**	100		ug/L		11/07/11 08:02	11/07/11 14:57	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*70 - 130*	*11/07/11 08:02*	*11/07/11 14:57*	*100*
Dibromofluoromethane	*105*		*70 - 130*	*11/07/11 08:02*	*11/07/11 14:57*	*100*
Toluene-d8	*107*		*70 - 130*	*11/07/11 08:02*	*11/07/11 14:57*	*100*
4-Bromofluorobenzene	*108*		*70 - 130*	*11/07/11 08:02*	*11/07/11 14:57*	*100*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Acenaphthylene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Anthracene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Benzo (a) anthracene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Benzo (a) pyrene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Benzo (b) fluoranthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Benzo (g,h,i) perylene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Benzo (k) fluoranthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Chrysene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Dibenz (a,h) anthracene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Fluoranthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Fluorene	**0.340**		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
1-Methylnaphthalene	**6.25**		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
2-Methylnaphthalene	**8.83**		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Naphthalene	**9.22**		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Phenanthrene	**0.359**		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00
Pyrene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 17:57	1.00

Client Sample ID: SB-2GW

Date Collected: 10/28/11 10:15
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-02

Matrix: Ground Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*76*		*27 - 120*	*11/03/11 13:30*	*11/04/11 17:57*	*1.00*
2-Fluorobiphenyl	*64*		*29 - 120*	*11/03/11 13:30*	*11/04/11 17:57*	*1.00*
Terphenyl-d14	*63*		*13 - 120*	*11/03/11 13:30*	*11/04/11 17:57*	*1.00*

Method: SW846 9056 - General Chemistry Parameters - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**156**		5.00		mg/L		11/06/11 11:13	11/07/11 06:50	5.00
Sulfate	**307**		5.00		mg/L		11/06/11 11:13	11/07/11 06:50	5.00

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0139**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:12	1.00
Barium	**0.134**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:12	1.00
Cadmium	ND	P7	0.00100		mg/L		11/03/11 06:56	11/05/11 06:12	1.00
Chromium	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:12	1.00
Lead	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:12	1.00
Selenium	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:12	1.00
Silver	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:12	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	M8 P7	0.000200		mg/L		11/02/11 08:35	11/02/11 14:51	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-3GW
Date Collected: 10/28/11 10:30
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-03
Matrix: Ground Water

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Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Bromobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Bromochloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Bromodichloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Bromoform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Bromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
2-Butanone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
sec-Butylbenzene	**15.2**		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
n-Butylbenzene	**15.2**		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
tert-Butylbenzene	**2.05**		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Carbon disulfide	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Chlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Chloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Chloroform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Chloromethane	**33.7**		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Dibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
2-Hexanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Isopropylbenzene	**98.5**		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
p-Isopropyltoluene	**11.6**		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Methylene Chloride	ND		5.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Naphthalene	**141**		5.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
n-Propylbenzene	**93.0**		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Styrene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Tetrachloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00

Client Sample ID: SB-3GW
Date Collected: 10/28/11 10:30
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-03
Matrix: Ground Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Trichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
1,3,5-Trimethylbenzene	**124**		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00
Vinyl chloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:50	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*108*		*70 - 130*	*11/03/11 08:13*	*11/03/11 17:50*	*1.00*
Dibromofluoromethane	*103*		*70 - 130*	*11/03/11 08:13*	*11/03/11 17:50*	*1.00*
Toluene-d8	*111*		*70 - 130*	*11/03/11 08:13*	*11/03/11 17:50*	*1.00*
4-Bromofluorobenzene	*105*		*70 - 130*	*11/03/11 08:13*	*11/03/11 17:50*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**1940**		10.0		ug/L		11/04/11 08:21	11/04/11 17:40	10.0
Ethylbenzene	**986**		10.0		ug/L		11/04/11 08:21	11/04/11 17:40	10.0
1,2,4-Trimethylbenzene	**464**		10.0		ug/L		11/04/11 08:21	11/04/11 17:40	10.0
Xylenes, total	**2270**		30.0		ug/L		11/04/11 08:21	11/04/11 17:40	10.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*70 - 130*	*11/04/11 08:21*	*11/04/11 17:40*	*10.0*
Dibromofluoromethane	*105*		*70 - 130*	*11/04/11 08:21*	*11/04/11 17:40*	*10.0*
Toluene-d8	*107*		*70 - 130*	*11/04/11 08:21*	*11/04/11 17:40*	*10.0*
4-Bromofluorobenzene	*107*		*70 - 130*	*11/04/11 08:21*	*11/04/11 17:40*	*10.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**2420**		100		ug/L		11/07/11 08:02	11/07/11 15:23	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*108*		*70 - 130*	*11/07/11 08:02*	*11/07/11 15:23*	*100*
Dibromofluoromethane	*108*		*70 - 130*	*11/07/11 08:02*	*11/07/11 15:23*	*100*
Toluene-d8	*104*		*70 - 130*	*11/07/11 08:02*	*11/07/11 15:23*	*100*
4-Bromofluorobenzene	*106*		*70 - 130*	*11/07/11 08:02*	*11/07/11 15:23*	*100*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.500**		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Acenaphthylene	**0.167**		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Anthracene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Benzo (a) anthracene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Benzo (a) pyrene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Benzo (b) fluoranthene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Benzo (g,h,i) perylene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Benzo (k) fluoranthene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Chrysene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Dibenz (a,h) anthracene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Fluoranthene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-3GW
Date Collected: 10/28/11 10:30
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-03
Matrix: Ground Water

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Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**1.65**		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Phenanthrene	**1.68**		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00
Pyrene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:18	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*87*		*27 - 120*	*11/03/11 13:30*	*11/04/11 18:18*	*1.00*
2-Fluorobiphenyl	*44*		*29 - 120*	*11/03/11 13:30*	*11/04/11 18:18*	*1.00*
Terphenyl-d14	*28*		*13 - 120*	*11/03/11 13:30*	*11/04/11 18:18*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**39.0**		1.96		ug/L		11/03/11 13:30	11/06/11 17:10	20.0
2-Methylnaphthalene	**60.6**		1.96		ug/L		11/03/11 13:30	11/06/11 17:10	20.0
Naphthalene	**83.5**		1.96		ug/L		11/03/11 13:30	11/06/11 17:10	20.0

Method: SW846 9056 - General Chemistry Parameters - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.84**		1.00		mg/L		11/05/11 15:01	11/05/11 16:46	1.00
Sulfate	**2.30**		1.00		mg/L		11/05/11 15:01	11/05/11 16:46	1.00

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0338**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:15	1.00
Barium	**7.80**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:15	1.00
Cadmium	ND	P7	0.00100		mg/L		11/03/11 06:56	11/05/11 06:15	1.00
Chromium	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:15	1.00
Lead	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:15	1.00
Selenium	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:15	1.00
Silver	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:15	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	P7	0.000200		mg/L		11/02/11 08:35	11/02/11 14:57	1.00

Client Sample ID: SB-4GW
Date Collected: 10/28/11 10:50
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-04
Matrix: Ground Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**81.1**		50.0		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Bromobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Bromochloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Bromodichloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Bromoform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Bromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
2-Butanone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
sec-Butylbenzene	**6.14**		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
n-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
tert-Butylbenzene	**1.00**		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Carbon disulfide	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Chlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Chloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Chloroform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Chloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Dibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
2-Hexanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Isopropylbenzene	**59.1**		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
p-Isopropyltoluene	**4.75**		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Methylene Chloride	ND		5.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Naphthalene	**90.1**		5.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
n-Propylbenzene	**52.1**		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Styrene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Tetrachloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-4GW
Date Collected: 10/28/11 10:50
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-04
Matrix: Ground Water

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Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**70.3**		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Trichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,3,5-Trimethylbenzene	**74.4**		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
1,2,4-Trimethylbenzene	**167**		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00
Vinyl chloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 15:39	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*115*		*70 - 130*	*11/03/11 08:13*	*11/03/11 15:39*	*1.00*
Dibromofluoromethane	*105*		*70 - 130*	*11/03/11 08:13*	*11/03/11 15:39*	*1.00*
Toluene-d8	*109*		*70 - 130*	*11/03/11 08:13*	*11/03/11 15:39*	*1.00*
4-Bromofluorobenzene	*108*		*70 - 130*	*11/03/11 08:13*	*11/03/11 15:39*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**587**		10.0		ug/L		11/04/11 08:21	11/04/11 16:21	10.0
Xylenes, total	**1150**		30.0		ug/L		11/04/11 08:21	11/04/11 16:21	10.0

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*70 - 130*	*11/04/11 08:21*	*11/04/11 16:21*	*10.0*
Dibromofluoromethane	*104*		*70 - 130*	*11/04/11 08:21*	*11/04/11 16:21*	*10.0*
Toluene-d8	*108*		*70 - 130*	*11/04/11 08:21*	*11/04/11 16:21*	*10.0*
4-Bromofluorobenzene	*105*		*70 - 130*	*11/04/11 08:21*	*11/04/11 16:21*	*10.0*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**3910**		100		ug/L		11/07/11 08:02	11/07/11 15:49	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*112*		*70 - 130*	*11/07/11 08:02*	*11/07/11 15:49*	*100*
Dibromofluoromethane	*105*		*70 - 130*	*11/07/11 08:02*	*11/07/11 15:49*	*100*
Toluene-d8	*106*		*70 - 130*	*11/07/11 08:02*	*11/07/11 15:49*	*100*
4-Bromofluorobenzene	*107*		*70 - 130*	*11/07/11 08:02*	*11/07/11 15:49*	*100*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Acenaphthylene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Anthracene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Benzo (a) anthracene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Benzo (a) pyrene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Benzo (b) fluoranthene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Benzo (g,h,i) perylene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Benzo (k) fluoranthene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Chrysene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Dibenz (a,h) anthracene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Fluoranthene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00

Client Sample ID: SB-4GW
Date Collected: 10/28/11 10:50
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-04
Matrix: Ground Water

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	**0.216**		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
1-Methylnaphthalene	**8.40**		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
2-Methylnaphthalene	**9.67**		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Phenanthrene	**0.363**		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00
Pyrene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 18:39	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*61*		*27 - 120*	*11/03/11 13:30*	*11/04/11 18:39*	*1.00*
2-Fluorobiphenyl	*45*		*29 - 120*	*11/03/11 13:30*	*11/04/11 18:39*	*1.00*
Terphenyl-d14	*36*		*13 - 120*	*11/03/11 13:30*	*11/04/11 18:39*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**13.7**		0.490		ug/L		11/03/11 13:30	11/06/11 17:32	5.00

Method: SW846 9056 - General Chemistry Parameters - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.90**		1.00		mg/L		11/05/11 15:01	11/05/11 17:04	1.00
Sulfate	**2.80**		1.00		mg/L		11/05/11 15:01	11/05/11 17:04	1.00

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0296**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:18	1.00
Barium	**3.44**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:18	1.00
Cadmium	ND	P7	0.00100		mg/L		11/03/11 06:56	11/05/11 06:18	1.00
Chromium	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:18	1.00
Lead	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:18	1.00
Selenium	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:18	1.00
Silver	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:18	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	P7	0.000200		mg/L		11/02/11 08:35	11/02/11 15:00	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-5GW
Date Collected: 10/28/11 11:45
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-05
Matrix: Ground Water

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Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Bromobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Bromochloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Bromodichloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Bromoform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Bromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
2-Butanone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
sec-Butylbenzene	**6.10**		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
n-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
tert-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Carbon disulfide	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Chlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Chloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Chloroform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Chloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Dibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Ethylbenzene	**34.0**		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
2-Hexanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Isopropylbenzene	**41.1**		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
p-Isopropyltoluene	**5.21**		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Methylene Chloride	ND		5.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Naphthalene	**39.7**		5.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
n-Propylbenzene	**9.11**		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Styrene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00

Client Sample ID: SB-5GW
Date Collected: 10/28/11 11:45
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-05
Matrix: Ground Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Toluene	**24.0**		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Trichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,3,5-Trimethylbenzene	**56.6**		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
1,2,4-Trimethylbenzene	**171**		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Vinyl chloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00
Xylenes, total	**218**		3.00		ug/L		11/03/11 08:13	11/03/11 16:05	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*113*		*70 - 130*	*11/03/11 08:13*	*11/03/11 16:05*	*1.00*
Dibromofluoromethane	*102*		*70 - 130*	*11/03/11 08:13*	*11/03/11 16:05*	*1.00*
Toluene-d8	*109*		*70 - 130*	*11/03/11 08:13*	*11/03/11 16:05*	*1.00*
4-Bromofluorobenzene	*109*		*70 - 130*	*11/03/11 08:13*	*11/03/11 16:05*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2900**		100		ug/L		11/07/11 08:02	11/07/11 16:15	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*112*		*70 - 130*	*11/07/11 08:02*	*11/07/11 16:15*	*100*
Dibromofluoromethane	*105*		*70 - 130*	*11/07/11 08:02*	*11/07/11 16:15*	*100*
Toluene-d8	*106*		*70 - 130*	*11/07/11 08:02*	*11/07/11 16:15*	*100*
4-Bromofluorobenzene	*106*		*70 - 130*	*11/07/11 08:02*	*11/07/11 16:15*	*100*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.137**		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Acenaphthylene	**0.304**		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Anthracene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Benzo (a) anthracene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Benzo (a) pyrene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Benzo (b) fluoranthene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Benzo (g,h,i) perylene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Benzo (k) fluoranthene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Chrysene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Dibenz (a,h) anthracene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Fluoranthene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Fluorene	**0.725**		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Phenanthrene	**0.559**		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00
Pyrene	ND		0.0980		ug/L		11/03/11 13:30	11/04/11 19:01	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*91*		*27 - 120*	*11/03/11 13:30*	*11/04/11 19:01*	*1.00*
2-Fluorobiphenyl	*53*		*29 - 120*	*11/03/11 13:30*	*11/04/11 19:01*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-5GW
Date Collected: 10/28/11 11:45
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-05
Matrix: Ground Water

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Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1 (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*31*		*13 - 120*	*11/03/11 13:30*	*11/04/11 19:01*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**18.2**		0.980		ug/L		11/03/11 13:30	11/06/11 17:53	10.0
2-Methylnaphthalene	**26.9**		0.980		ug/L		11/03/11 13:30	11/06/11 17:53	10.0
Naphthalene	**49.9**		0.980		ug/L		11/03/11 13:30	11/06/11 17:53	10.0

Method: SW846 9056 - General Chemistry Parameters - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**180**		10.0		mg/L		11/06/11 11:13	11/07/11 07:07	10.0
Sulfate	**421**		10.0		mg/L		11/06/11 11:13	11/07/11 07:07	10.0

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:34	1.00
Barium	**0.0971**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:34	1.00
Cadmium	ND	P7	0.00100		mg/L		11/03/11 06:56	11/05/11 06:34	1.00
Chromium	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:34	1.00
Lead	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:34	1.00
Selenium	**0.0105**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:34	1.00
Silver	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:34	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	P7	0.000200		mg/L		11/02/11 08:35	11/02/11 15:07	1.00

Client Sample Results

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-6GW
Date Collected: 10/28/11 11:05
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-06
Matrix: Ground Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Benzene	**1.33**		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Bromobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Bromochloromethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Bromodichloromethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Bromoform	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Bromomethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
2-Butanone	ND		50.0		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
sec-Butylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
n-Butylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
tert-Butylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Carbon disulfide	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Chlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Chloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Chloroform	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Chloromethane	**1.26**		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Dibromomethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Ethylbenzene	**1.68**		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
2-Hexanone	ND		10.0		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Isopropylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
p-Isopropyltoluene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Methylene Chloride	ND		5.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Naphthalene	ND		5.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
n-Propylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Styrene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-6GW
Date Collected: 10/28/11 11:05
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-06
Matrix: Ground Water

5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Tetrachloroethene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Toluene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Trichloroethene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,3,5-Trimethylbenzene	**2.43**		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
1,2,4-Trimethylbenzene	**1.85**		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Vinyl chloride	ND		1.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00
Xylenes, total	ND		3.00		ug/L		11/04/11 08:21	11/04/11 14:36	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*70 - 130*	*11/04/11 08:21*	*11/04/11 14:36*	*1.00*
Dibromofluoromethane	*102*		*70 - 130*	*11/04/11 08:21*	*11/04/11 14:36*	*1.00*
Toluene-d8	*107*		*70 - 130*	*11/04/11 08:21*	*11/04/11 14:36*	*1.00*
4-Bromofluorobenzene	*108*		*70 - 130*	*11/04/11 08:21*	*11/04/11 14:36*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Acenaphthylene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Anthracene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Benzo (a) anthracene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Benzo (a) pyrene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Benzo (b) fluoranthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Benzo (g,h,i) perylene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Benzo (k) fluoranthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Chrysene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Dibenz (a,h) anthracene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Fluoranthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Fluorene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
1-Methylnaphthalene	**0.291**		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
2-Methylnaphthalene	**0.437**		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Naphthalene	**0.505**		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Phenanthrene	**0.0971**		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00
Pyrene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:22	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*53*		*27 - 120*	*11/03/11 13:30*	*11/04/11 19:22*	*1.00*
2-Fluorobiphenyl	*65*		*29 - 120*	*11/03/11 13:30*	*11/04/11 19:22*	*1.00*
Terphenyl-d14	*54*		*13 - 120*	*11/03/11 13:30*	*11/04/11 19:22*	*1.00*

Method: SW846 9056 - General Chemistry Parameters - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.04**		1.00		mg/L		11/05/11 15:01	11/05/11 17:55	1.00

Client Sample Results

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-6GW
Date Collected: 10/28/11 11:05
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-06
Matrix: Ground Water

Method: SW846 9056 - General Chemistry Parameters - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**290**		10.0		mg/L		11/06/11 11:13	11/07/11 07:24	10.0

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0116**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:37	1.00
Barium	**0.0343**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:37	1.00
Cadmium	ND	P7	0.00100		mg/L		11/03/11 06:56	11/05/11 06:37	1.00
Chromium	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:37	1.00
Lead	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:37	1.00
Selenium	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:37	1.00
Silver	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:37	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	P7	0.000200		mg/L		11/02/11 08:35	11/02/11 15:09	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-7GW
Date Collected: 10/28/11 11:20
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-07
Matrix: Ground Water

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Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Benzene	**135**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Bromobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Bromochloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Bromodichloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Bromoform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Bromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
2-Butanone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
sec-Butylbenzene	**3.69**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
n-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
tert-Butylbenzene	**1.50**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Carbon disulfide	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Chlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Chloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Chloroform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Chloromethane	**2.05**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Dibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Ethylbenzene	**26.3**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
2-Hexanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Isopropylbenzene	**6.20**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
p-Isopropyltoluene	**1.70**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Methylene Chloride	ND		5.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Naphthalene	**5.51**		5.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
n-Propylbenzene	**3.37**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Styrene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00

Client Sample ID: SB-7GW
Date Collected: 10/28/11 11:20
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-07
Matrix: Ground Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Tetrachloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Toluene	**1.35**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Trichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,3,5-Trimethylbenzene	**33.8**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
1,2,4-Trimethylbenzene	**28.8**		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Vinyl chloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00
Xylenes, total	**75.9**		3.00		ug/L		11/03/11 08:13	11/03/11 16:57	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*108*		*70 - 130*	*11/03/11 08:13*	*11/03/11 16:57*	*1.00*
Dibromofluoromethane	*102*		*70 - 130*	*11/03/11 08:13*	*11/03/11 16:57*	*1.00*
Toluene-d8	*108*		*70 - 130*	*11/03/11 08:13*	*11/03/11 16:57*	*1.00*
4-Bromofluorobenzene	*106*		*70 - 130*	*11/03/11 08:13*	*11/03/11 16:57*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.184**		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Acenaphthylene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Anthracene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Benzo (a) anthracene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Benzo (a) pyrene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Benzo (b) fluoranthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Benzo (g,h,i) perylene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Benzo (k) fluoranthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Chrysene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Dibenz (a,h) anthracene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Fluoranthene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Fluorene	**0.495**		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
1-Methylnaphthalene	**2.81**		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
2-Methylnaphthalene	**3.67**		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Naphthalene	**4.70**		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Phenanthrene	**0.495**		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00
Pyrene	ND		0.0971		ug/L		11/03/11 13:30	11/04/11 19:43	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*115*		*27 - 120*	*11/03/11 13:30*	*11/04/11 19:43*	*1.00*
2-Fluorobiphenyl	*58*		*29 - 120*	*11/03/11 13:30*	*11/04/11 19:43*	*1.00*
Terphenyl-d14	*44*		*13 - 120*	*11/03/11 13:30*	*11/04/11 19:43*	*1.00*

Method: SW846 9056 - General Chemistry Parameters - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.58**		1.00		mg/L		11/05/11 15:01	11/05/11 18:12	1.00
Sulfate	**38.6**		1.00		mg/L		11/05/11 15:01	11/05/11 18:12	1.00

Client Sample Results

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-7GW
Date Collected: 10/28/11 11:20
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-07
Matrix: Ground Water

5

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:40	1.00
Barium	**0.465**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:40	1.00
Cadmium	ND	P7	0.00100		mg/L		11/03/11 06:56	11/05/11 06:40	1.00
Chromium	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:40	1.00
Lead	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:40	1.00
Selenium	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:40	1.00
Silver	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:40	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	P7	0.000200		mg/L		11/02/11 08:35	11/02/11 15:11	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: FB
Date Collected: 10/28/11 12:25
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-08
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Benzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Bromobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Bromochloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Bromodichloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Bromoform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Bromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
2-Butanone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
sec-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
n-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
tert-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Carbon disulfide	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Chlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Chloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Chloroform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Chloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Dibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Ethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
2-Hexanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Isopropylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
p-Isopropyltoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Methylene Chloride	ND		5.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Naphthalene	ND		5.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
n-Propylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Styrene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: FB
Date Collected: 10/28/11 12:25
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-08
Matrix: Water

5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Tetrachloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Toluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Trichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Vinyl chloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00
Xylenes, total	ND		3.00		ug/L		11/03/11 08:13	11/03/11 13:54	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*109*		*70 - 130*	*11/03/11 08:13*	*11/03/11 13:54*	*1.00*
Dibromofluoromethane	*105*		*70 - 130*	*11/03/11 08:13*	*11/03/11 13:54*	*1.00*
Toluene-d8	*107*		*70 - 130*	*11/03/11 08:13*	*11/03/11 13:54*	*1.00*
4-Bromofluorobenzene	*107*		*70 - 130*	*11/03/11 08:13*	*11/03/11 13:54*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Acenaphthylene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Anthracene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Benzo (a) anthracene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Benzo (a) pyrene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Benzo (b) fluoranthene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Benzo (g,h,i) perylene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Benzo (k) fluoranthene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Chrysene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Dibenz (a,h) anthracene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Fluoranthene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Fluorene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
1-Methylnaphthalene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
2-Methylnaphthalene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Naphthalene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Phenanthrene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00
Pyrene	ND		0.0962		ug/L		11/01/11 07:20	11/02/11 06:49	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*42*		*27 - 120*	*11/01/11 07:20*	*11/02/11 06:49*	*1.00*
2-Fluorobiphenyl	*52*		*29 - 120*	*11/01/11 07:20*	*11/02/11 06:49*	*1.00*
Terphenyl-d14	*87*		*13 - 120*	*11/01/11 07:20*	*11/02/11 06:49*	*1.00*

Method: SW846 9056 - General Chemistry Parameters - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00		mg/L		11/05/11 15:01	11/05/11 18:29	1.00
Sulfate	ND		1.00		mg/L		11/05/11 15:01	11/05/11 18:29	1.00

Client Sample Results

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: FB
Date Collected: 10/28/11 12:25
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-08
Matrix: Water

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:43	1.00
Barium	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:43	1.00
Cadmium	ND	P7	0.00100		mg/L		11/03/11 06:56	11/05/11 06:43	1.00
Chromium	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:43	1.00
Lead	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:43	1.00
Selenium	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:43	1.00
Silver	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:43	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	P7	0.000200		mg/L		11/02/11 08:35	11/02/11 15:13	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: DUP
Date Collected: 10/28/11 00:01
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-09
Matrix: Ground Water

5

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Bromobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Bromochloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Bromodichloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Bromoform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Bromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
2-Butanone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
sec-Butylbenzene	**5.29**		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
n-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
tert-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Carbon disulfide	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Chlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Chloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Chloroform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Chloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Dibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Ethylbenzene	**30.0**		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
2-Hexanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Isopropylbenzene	**35.1**		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
p-Isopropyltoluene	**4.64**		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Methylene Chloride	ND		5.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Naphthalene	**25.4**		5.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
n-Propylbenzene	**8.11**		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Styrene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00

Client Sample ID: DUP
Date Collected: 10/28/11 00:01
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-09
Matrix: Ground Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Toluene	**23.5**		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Trichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,3,5-Trimethylbenzene	**51.1**		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
1,2,4-Trimethylbenzene	**158**		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Vinyl chloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00
Xylenes, total	**200**		3.00		ug/L		11/03/11 08:13	11/03/11 17:23	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*113*		*70 - 130*	*11/03/11 08:13*	*11/03/11 17:23*	*1.00*
Dibromofluoromethane	*102*		*70 - 130*	*11/03/11 08:13*	*11/03/11 17:23*	*1.00*
Toluene-d8	*106*		*70 - 130*	*11/03/11 08:13*	*11/03/11 17:23*	*1.00*
4-Bromofluorobenzene	*106*		*70 - 130*	*11/03/11 08:13*	*11/03/11 17:23*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**2840**		100		ug/L		11/07/11 08:02	11/07/11 16:41	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*115*		*70 - 130*	*11/07/11 08:02*	*11/07/11 16:41*	*100*
Dibromofluoromethane	*105*		*70 - 130*	*11/07/11 08:02*	*11/07/11 16:41*	*100*
Toluene-d8	*106*		*70 - 130*	*11/07/11 08:02*	*11/07/11 16:41*	*100*
4-Bromofluorobenzene	*106*		*70 - 130*	*11/07/11 08:02*	*11/07/11 16:41*	*100*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.115**		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Acenaphthylene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Anthracene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Benzo (a) anthracene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Benzo (a) pyrene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Benzo (b) fluoranthene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Benzo (g,h,i) perylene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Benzo (k) fluoranthene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Chrysene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Dibenz (a,h) anthracene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Fluoranthene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Fluorene	**0.385**		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Indeno (1,2,3-cd) pyrene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Phenanthrene	**0.548**		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00
Pyrene	ND		0.0962		ug/L		11/03/11 13:30	11/04/11 20:05	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*30*		*27 - 120*	*11/03/11 13:30*	*11/04/11 20:05*	*1.00*
2-Fluorobiphenyl	*56*		*29 - 120*	*11/03/11 13:30*	*11/04/11 20:05*	*1.00*

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: DUP
Date Collected: 10/28/11 00:01
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-09
Matrix: Ground Water

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Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE1 (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*43*		*13 - 120*	*11/03/11 13:30*	*11/04/11 20:05*	*1.00*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	**16.5**		0.962		ug/L		11/03/11 13:30	11/09/11 14:06	10.0
2-Methylnaphthalene	**20.1**		0.962		ug/L		11/03/11 13:30	11/09/11 14:06	10.0
Naphthalene	**24.2**		0.962		ug/L		11/03/11 13:30	11/09/11 14:06	10.0

Method: SW846 9056 - General Chemistry Parameters - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**177**		10.0		mg/L		11/06/11 11:13	11/07/11 07:41	10.0
Sulfate	**413**		10.0		mg/L		11/06/11 11:13	11/07/11 07:41	10.0

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:46	1.00
Barium	**0.0957**	**P7**	0.0100		mg/L		11/03/11 06:56	11/05/11 06:46	1.00
Cadmium	ND	P7	0.00100		mg/L		11/03/11 06:56	11/05/11 06:46	1.00
Chromium	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:46	1.00
Lead	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:46	1.00
Selenium	ND	P7	0.0100		mg/L		11/03/11 06:56	11/05/11 06:46	1.00
Silver	ND	P7	0.00500		mg/L		11/03/11 06:56	11/05/11 06:46	1.00

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND	P7	0.000200		mg/L		11/02/11 08:35	11/02/11 15:15	1.00

Client Sample ID: Trip Blank
Date Collected: 10/28/11 00:01
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-10
Matrix: Water

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Benzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Bromobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Bromochloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Bromodichloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Bromoform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Bromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
2-Butanone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
sec-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
n-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
tert-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Carbon disulfide	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Chlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Chloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Chloroform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Chloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Dibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Ethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
2-Hexanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Isopropylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
p-Isopropyltoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Methylene Chloride	ND		5.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Naphthalene	ND		5.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
n-Propylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Styrene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: Trip Blank
Date Collected: 10/28/11 00:01
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-10
Matrix: Water

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Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Tetrachloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Toluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Trichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Vinyl chloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00
Xylenes, total	ND		3.00		ug/L		11/03/11 08:13	11/03/11 13:01	1.00

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*111*		*70 - 130*	*11/03/11 08:13*	*11/03/11 13:01*	*1.00*
Dibromofluoromethane	*105*		*70 - 130*	*11/03/11 08:13*	*11/03/11 13:01*	*1.00*
Toluene-d8	*108*		*70 - 130*	*11/03/11 08:13*	*11/03/11 13:01*	*1.00*
4-Bromofluorobenzene	*109*		*70 - 130*	*11/03/11 08:13*	*11/03/11 13:01*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B

Lab Sample ID: 11K0285-BLK1
Matrix: Water
Analysis Batch: U019490

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0285_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Benzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Bromobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Bromochloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Bromodichloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Bromoform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Bromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
2-Butanone	ND		50.0		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
sec-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
n-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
tert-Butylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Carbon disulfide	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Chlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Chloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Chloroform	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Chloromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Dibromomethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Ethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
2-Hexanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Isopropylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
p-Isopropyltoluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Methylene Chloride	ND		5.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Naphthalene	ND		5.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
n-Propylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Styrene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0285-BLK1
Matrix: Water
Analysis Batch: U019490

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0285_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Tetrachloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Toluene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Trichloroethene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Vinyl chloride	ND		1.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00
Xylenes, total	ND		3.00		ug/L		11/03/11 08:13	11/03/11 12:26	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*111*		*70 - 130*	*11/03/11 08:13*	*11/03/11 12:26*	*1.00*
Dibromofluoromethane	*106*		*70 - 130*	*11/03/11 08:13*	*11/03/11 12:26*	*1.00*
Toluene-d8	*109*		*70 - 130*	*11/03/11 08:13*	*11/03/11 12:26*	*1.00*
4-Bromofluorobenzene	*110*		*70 - 130*	*11/03/11 08:13*	*11/03/11 12:26*	*1.00*

Lab Sample ID: 11K0285-BS1
Matrix: Water
Analysis Batch: U019490

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K0285_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	288		ug/L		115	54 - 145
Benzene	50.0	53.9		ug/L		108	80 - 121
Bromobenzene	50.0	57.5		ug/L		115	68 - 130
Bromochloromethane	50.0	52.5		ug/L		105	78 - 129
Bromodichloromethane	50.0	53.9		ug/L		108	75 - 129
Bromoform	50.0	55.9		ug/L		112	46 - 145
Bromomethane	50.0	44.5		ug/L		89	41 - 150
2-Butanone	250	272		ug/L		109	62 - 133
sec-Butylbenzene	50.0	58.0		ug/L		116	76 - 128
n-Butylbenzene	50.0	59.3		ug/L		119	68 - 132
tert-Butylbenzene	50.0	57.3		ug/L		115	76 - 126
Carbon disulfide	50.0	52.8		ug/L		106	77 - 126
Carbon Tetrachloride	50.0	58.2		ug/L		116	64 - 147
Chlorobenzene	50.0	56.1		ug/L		112	80 - 120
Chlorodibromomethane	50.0	58.5		ug/L		117	69 - 133
Chloroethane	50.0	51.0		ug/L		102	72 - 120
Chloroform	50.0	56.3		ug/L		113	73 - 129
Chloromethane	50.0	41.7		ug/L		83	12 - 150
2-Chlorotoluene	50.0	58.7		ug/L		117	75 - 126
4-Chlorotoluene	50.0	58.6		ug/L		117	75 - 130
1,2-Dibromo-3-chloropropane	50.0	50.9		ug/L		102	54 - 125
1,2-Dibromoethane (EDB)	50.0	55.5		ug/L		111	80 - 129

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0285-BS1
Matrix: Water
Analysis Batch: U019490

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K0285_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromomethane	50.0	48.8		ug/L		98	71 - 125
1,4-Dichlorobenzene	50.0	57.0		ug/L		114	80 - 120
1,3-Dichlorobenzene	50.0	55.8		ug/L		112	80 - 122
1,2-Dichlorobenzene	50.0	55.2		ug/L		110	80 - 121
Dichlorodifluoromethane	50.0	47.1		ug/L		94	37 - 127
1,1-Dichloroethane	50.0	56.6		ug/L		113	78 - 125
1,2-Dichloroethane	50.0	57.0		ug/L		114	77 - 121
cis-1,2-Dichloroethene	50.0	59.1		ug/L		118	76 - 125
1,1-Dichloroethene	50.0	58.0		ug/L		116	79 - 124
trans-1,2-Dichloroethene	50.0	60.8		ug/L		122	79 - 126
1,3-Dichloropropane	50.0	56.6		ug/L		113	80 - 125
1,2-Dichloropropane	50.0	52.3		ug/L		105	75 - 120
2,2-Dichloropropane	50.0	57.6		ug/L		115	43 - 161
cis-1,3-Dichloropropene	50.0	59.3		ug/L		119	74 - 140
trans-1,3-Dichloropropene	50.0	58.3		ug/L		117	63 - 134
1,1-Dichloropropene	50.0	56.5		ug/L		113	80 - 122
Ethylbenzene	50.0	56.8		ug/L		114	80 - 130
Hexachlorobutadiene	50.0	54.9		ug/L		110	49 - 146
2-Hexanone	250	286		ug/L		114	60 - 142
Isopropylbenzene	50.0	61.7		ug/L		123	80 - 141
p-Isopropyltoluene	50.0	56.9		ug/L		114	75 - 128
Methyl tert-Butyl Ether	50.0	54.2		ug/L		108	72 - 133
Methylene Chloride	50.0	50.1		ug/L		100	79 - 123
4-Methyl-2-pentanone	250	281		ug/L		113	60 - 137
Naphthalene	50.0	53.6		ug/L		107	62 - 138
n-Propylbenzene	50.0	60.5		ug/L		121	75 - 129
Styrene	50.0	54.5		ug/L		109	80 - 127
1,1,1,2-Tetrachloroethane	50.0	56.6		ug/L		113	74 - 135
1,1,2,2-Tetrachloroethane	50.0	56.6		ug/L		113	69 - 131
Tetrachloroethene	50.0	59.3		ug/L		119	80 - 126
Toluene	50.0	56.8		ug/L		114	80 - 126
1,2,3-Trichlorobenzene	50.0	55.1		ug/L		110	62 - 133
1,2,4-Trichlorobenzene	50.0	54.0		ug/L		108	63 - 133
1,1,2-Trichloroethane	50.0	55.9		ug/L		112	80 - 124
1,1,1-Trichloroethane	50.0	57.6		ug/L		115	78 - 135
Trichloroethene	50.0	55.8		ug/L		112	80 - 123
Trichlorofluoromethane	50.0	54.0		ug/L		108	65 - 124
1,2,3-Trichloropropane	50.0	56.9		ug/L		114	70 - 131
1,3,5-Trimethylbenzene	50.0	58.5		ug/L		117	77 - 127
1,2,4-Trimethylbenzene	50.0	56.4		ug/L		113	77 - 126
Vinyl chloride	50.0	43.9		ug/L		88	68 - 120
Xylenes, total	150	163		ug/L		108	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*100*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8	*105*		*70 - 130*
4-Bromofluorobenzene	*106*		*70 - 130*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0285-BSD1
Matrix: Water
Analysis Batch: U019490

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K0285_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	279		ug/L		112	54 - 145	3	21
Benzene	50.0	54.9		ug/L		110	80 - 121	2	17
Bromobenzene	50.0	57.6		ug/L		115	68 - 130	0.2	20
Bromochloromethane	50.0	51.7		ug/L		103	78 - 129	2	17
Bromodichloromethane	50.0	53.2		ug/L		106	75 - 129	1	18
Bromoform	50.0	54.8		ug/L		110	46 - 145	2	16
Bromomethane	50.0	47.0		ug/L		94	41 - 150	5	50
2-Butanone	250	260		ug/L		104	62 - 133	4	19
sec-Butylbenzene	50.0	59.3		ug/L		119	76 - 128	2	16
n-Butylbenzene	50.0	59.9		ug/L		120	68 - 132	1	18
tert-Butylbenzene	50.0	58.7		ug/L		117	76 - 126	2	16
Carbon disulfide	50.0	54.0		ug/L		108	77 - 126	2	21
Carbon Tetrachloride	50.0	59.3		ug/L		119	64 - 147	2	19
Chlorobenzene	50.0	56.0		ug/L		112	80 - 120	0.1	14
Chlorodibromomethane	50.0	58.2		ug/L		116	69 - 133	0.6	15
Chloroethane	50.0	53.6		ug/L		107	72 - 120	5	20
Chloroform	50.0	56.3		ug/L		113	73 - 129	0.04	18
Chloromethane	50.0	42.5		ug/L		85	12 - 150	2	31
2-Chlorotoluene	50.0	58.4		ug/L		117	75 - 126	0.6	17
4-Chlorotoluene	50.0	59.3		ug/L		119	75 - 130	1	18
1,2-Dibromo-3-chloropropane	50.0	49.5		ug/L		99	54 - 125	3	24
1,2-Dibromoethane (EDB)	50.0	54.6		ug/L		109	80 - 129	1	15
Dibromomethane	50.0	47.4		ug/L		95	71 - 125	3	16
1,4-Dichlorobenzene	50.0	56.8		ug/L		114	80 - 120	0.3	15
1,3-Dichlorobenzene	50.0	55.7		ug/L		111	80 - 122	0.2	15
1,2-Dichlorobenzene	50.0	55.7		ug/L		111	80 - 121	1	15
Dichlorodifluoromethane	50.0	49.9		ug/L		100	37 - 127	6	18
1,1-Dichloroethane	50.0	57.3		ug/L		115	78 - 125	1	17
1,2-Dichloroethane	50.0	57.8		ug/L		116	77 - 121	1	17
cis-1,2-Dichloroethene	50.0	58.6		ug/L		117	76 - 125	0.8	17
1,1-Dichloroethene	50.0	60.2		ug/L		120	79 - 124	4	17
trans-1,2-Dichloroethene	50.0	60.9		ug/L		122	79 - 126	0.1	16
1,3-Dichloropropane	50.0	56.0		ug/L		112	80 - 125	1	14
1,2-Dichloropropane	50.0	51.5		ug/L		103	75 - 120	2	17
2,2-Dichloropropane	50.0	57.3		ug/L		115	43 - 161	0.5	18
cis-1,3-Dichloropropene	50.0	59.3		ug/L		119	74 - 140	0.07	15
trans-1,3-Dichloropropene	50.0	58.1		ug/L		116	63 - 134	0.3	14
1,1-Dichloropropene	50.0	57.4		ug/L		115	80 - 122	1	17
Ethylbenzene	50.0	56.7		ug/L		113	80 - 130	0.1	15
Hexachlorobutadiene	50.0	59.3		ug/L		119	49 - 146	8	23
2-Hexanone	250	270		ug/L		108	60 - 142	6	15
Isopropylbenzene	50.0	61.8		ug/L		124	80 - 141	0.2	16
p-Isopropyltoluene	50.0	56.6		ug/L		113	75 - 128	0.6	16
Methyl tert-Butyl Ether	50.0	53.4		ug/L		107	72 - 133	2	16
Methylene Chloride	50.0	50.8		ug/L		102	79 - 123	1	17
4-Methyl-2-pentanone	250	270		ug/L		108	60 - 137	4	17
Naphthalene	50.0	54.3		ug/L		109	62 - 138	1	26
n-Propylbenzene	50.0	60.2		ug/L		120	75 - 129	0.4	17
Styrene	50.0	55.4		ug/L		111	80 - 127	2	24

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0285-BSD1
Matrix: Water
Analysis Batch: U019490

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K0285_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	50.0	57.3		ug/L		115	74 - 135	1	16
1,1,2,2-Tetrachloroethane	50.0	55.1		ug/L		110	69 - 131	3	20
Tetrachloroethene	50.0	60.1		ug/L		120	80 - 126	1	16
Toluene	50.0	57.4		ug/L		115	80 - 126	1	15
1,2,3-Trichlorobenzene	50.0	56.0		ug/L		112	62 - 133	2	25
1,2,4-Trichlorobenzene	50.0	55.4		ug/L		111	63 - 133	3	19
1,1,2-Trichloroethane	50.0	55.2		ug/L		110	80 - 124	1	15
1,1,1-Trichloroethane	50.0	57.8		ug/L		116	78 - 135	0.3	17
Trichloroethene	50.0	55.8		ug/L		112	80 - 123	0.02	17
Trichlorofluoromethane	50.0	58.4		ug/L		117	65 - 124	8	18
1,2,3-Trichloropropane	50.0	57.2		ug/L		114	70 - 131	0.6	19
1,3,5-Trimethylbenzene	50.0	59.1		ug/L		118	77 - 127	1	17
1,2,4-Trimethylbenzene	50.0	56.9		ug/L		114	77 - 126	1	16
Vinyl chloride	50.0	45.8		ug/L		92	68 - 120	4	17
Xylenes, total	150	162		ug/L		108	80 - 132	0.4	15

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*102*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8	*105*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*

Lab Sample ID: 11K0285-MS1
Matrix: Water
Analysis Batch: U019490

Client Sample ID: SB-1GW
Prep Type: Total
Prep Batch: 11K0285_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		250	282		ug/L		113	45 - 141
Benzene	7.19		50.0	64.1		ug/L		114	75 - 133
Bromobenzene	ND		50.0	60.5		ug/L		121	60 - 138
Bromochloromethane	ND		50.0	54.0		ug/L		108	67 - 139
Bromodichloromethane	ND		50.0	56.0		ug/L		112	70 - 140
Bromoform	ND		50.0	59.4		ug/L		119	42 - 147
Bromomethane	ND		50.0	41.8		ug/L		84	16 - 163
2-Butanone	ND		250	285		ug/L		114	50 - 138
sec-Butylbenzene	5.79		50.0	65.0		ug/L		118	73 - 138
n-Butylbenzene	0.880		50.0	60.7		ug/L		120	66 - 141
tert-Butylbenzene	1.41		50.0	63.5		ug/L		124	70 - 138
Carbon disulfide	ND		50.0	51.6		ug/L		103	48 - 152
Carbon Tetrachloride	ND		50.0	64.8		ug/L		130	62 - 164
Chlorobenzene	ND		50.0	59.1		ug/L		118	80 - 129
Chlorodibromomethane	ND		50.0	61.4		ug/L		123	66 - 140
Chloroethane	ND		50.0	53.3		ug/L		107	58 - 137
Chloroform	ND		50.0	60.2		ug/L		120	66 - 138
Chloromethane	ND		50.0	51.2		ug/L		102	10 - 169
2-Chlorotoluene	ND		50.0	60.5		ug/L		121	67 - 138
4-Chlorotoluene	ND		50.0	60.4		ug/L		121	69 - 138
1,2-Dibromo-3-chloropropane	ND		50.0	52.6		ug/L		105	52 - 126
1,2-Dibromoethane (EDB)	ND		50.0	58.2		ug/L		116	75 - 137

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0285-MS1
Matrix: Water
Analysis Batch: U019490

Client Sample ID: SB-1GW
Prep Type: Total
Prep Batch: 11K0285_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromomethane	ND		50.0	49.1		ug/L		98	58 - 140
1,4-Dichlorobenzene	ND		50.0	58.5		ug/L		117	78 - 126
1,3-Dichlorobenzene	ND		50.0	57.6		ug/L		115	77 - 131
1,2-Dichlorobenzene	ND		50.0	57.6		ug/L		115	79 - 128
Dichlorodifluoromethane	ND		50.0	43.3		ug/L		87	40 - 127
1,1-Dichloroethane	ND		50.0	61.2		ug/L		122	71 - 139
1,2-Dichloroethane	ND		50.0	61.4		ug/L		123	64 - 136
cis-1,2-Dichloroethene	ND		50.0	61.6		ug/L		123	68 - 138
1,1-Dichloroethene	ND		50.0	62.7		ug/L		125	70 - 142
trans-1,2-Dichloroethene	ND		50.0	62.9		ug/L		126	66 - 143
1,3-Dichloropropane	ND		50.0	60.6		ug/L		121	72 - 134
1,2-Dichloropropane	ND		50.0	55.4		ug/L		111	67 - 131
2,2-Dichloropropane	ND		50.0	54.9		ug/L		110	37 - 175
cis-1,3-Dichloropropene	ND		50.0	60.8		ug/L		122	71 - 141
trans-1,3-Dichloropropene	ND		50.0	59.1		ug/L		118	59 - 135
1,1-Dichloropropene	ND		50.0	60.6		ug/L		121	76 - 139
Ethylbenzene	ND		50.0	60.4		ug/L		121	79 - 139
Hexachlorobutadiene	ND		50.0	51.2		ug/L		102	45 - 155
2-Hexanone	ND	M7	250	368		ug/L		147	50 - 150
Isopropylbenzene	39.4		50.0	101		ug/L		122	80 - 153
p-Isopropyltoluene	2.28		50.0	60.7		ug/L		117	71 - 137
Methyl tert-Butyl Ether	ND		50.0	58.1		ug/L		116	66 - 141
Methylene Chloride	ND		50.0	52.2		ug/L		104	64 - 139
4-Methyl-2-pentanone	ND	M7	250	360		ug/L		144	50 - 147
Naphthalene	ND		50.0	54.0		ug/L		108	55 - 140
n-Propylbenzene	1.39		50.0	63.7		ug/L		125	69 - 142
Styrene	ND		50.0	59.4		ug/L		119	61 - 148
1,1,1,2-Tetrachloroethane	ND		50.0	60.3		ug/L		121	73 - 141
1,1,2,2-Tetrachloroethane	ND		50.0	60.9		ug/L		122	56 - 143
Tetrachloroethene	ND		50.0	61.2		ug/L		122	72 - 145
Toluene	ND		50.0	59.9		ug/L		120	75 - 136
1,2,3-Trichlorobenzene	ND		50.0	50.0		ug/L		100	55 - 138
1,2,4-Trichlorobenzene	ND		50.0	51.0		ug/L		102	60 - 136
1,1,2-Trichloroethane	ND	M7	50.0	67.6	M7	ug/L		135	74 - 134
1,1,1-Trichloroethane	ND		50.0	64.0		ug/L		128	76 - 149
Trichloroethene	ND		50.0	57.0		ug/L		114	73 - 144
Trichlorofluoromethane	ND		50.0	59.4		ug/L		119	58 - 139
1,2,3-Trichloropropane	ND		50.0	60.8		ug/L		122	53 - 144
1,3,5-Trimethylbenzene	ND		50.0	60.6		ug/L		121	69 - 139
1,2,4-Trimethylbenzene	ND		50.0	58.6		ug/L		117	69 - 136
Vinyl chloride	ND		50.0	45.3		ug/L		91	56 - 129
Xylenes, total	ND		150	175		ug/L		117	74 - 141

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*131*	*Z1*	*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8	*108*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0285-MSD1
Matrix: Water
Analysis Batch: U019490

Client Sample ID: SB-1GW
Prep Type: Total
Prep Batch: 11K0285_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		250	301		ug/L		120	45 - 141	6	21
Benzene	7.19		50.0	66.3		ug/L		118	75 - 133	3	17
Bromobenzene	ND		50.0	61.2		ug/L		122	60 - 138	1	20
Bromochloromethane	ND		50.0	55.2		ug/L		110	67 - 139	2	17
Bromodichloromethane	ND		50.0	58.1		ug/L		116	70 - 140	4	18
Bromoform	ND		50.0	61.2		ug/L		122	42 - 147	3	16
Bromomethane	ND		50.0	47.2		ug/L		94	16 - 163	12	50
2-Butanone	ND		250	297		ug/L		119	50 - 138	4	19
sec-Butylbenzene	5.79		50.0	68.1		ug/L		125	73 - 138	5	16
n-Butylbenzene	0.880		50.0	63.0		ug/L		124	66 - 141	4	18
tert-Butylbenzene	1.41		50.0	65.0		ug/L		127	70 - 138	2	16
Carbon disulfide	ND		50.0	53.3		ug/L		107	48 - 152	3	21
Carbon Tetrachloride	ND		50.0	67.4		ug/L		135	62 - 164	4	19
Chlorobenzene	ND		50.0	61.7		ug/L		123	80 - 129	4	14
Chlorodibromomethane	ND		50.0	63.8		ug/L		128	66 - 140	4	15
Chloroethane	ND		50.0	53.2		ug/L		106	58 - 137	0.3	20
Chloroform	ND		50.0	62.6		ug/L		125	66 - 138	4	18
Chloromethane	ND		50.0	54.0		ug/L		108	10 - 169	5	31
2-Chlorotoluene	ND		50.0	61.1		ug/L		122	67 - 138	1	17
4-Chlorotoluene	ND		50.0	62.1		ug/L		124	69 - 138	3	18
1,2-Dibromo-3-chloropropane	ND		50.0	58.0		ug/L		116	52 - 126	10	24
1,2-Dibromoethane (EDB)	ND		50.0	60.3		ug/L		121	75 - 137	4	15
Dibromomethane	ND		50.0	50.1		ug/L		100	58 - 140	2	16
1,4-Dichlorobenzene	ND		50.0	60.9		ug/L		122	78 - 126	4	15
1,3-Dichlorobenzene	ND		50.0	59.7		ug/L		119	77 - 131	4	15
1,2-Dichlorobenzene	ND		50.0	59.4		ug/L		119	79 - 128	3	15
Dichlorodifluoromethane	ND		50.0	43.8		ug/L		88	40 - 127	1	18
1,1-Dichloroethane	ND		50.0	62.0		ug/L		124	71 - 139	1	17
1,2-Dichloroethane	ND		50.0	61.8		ug/L		124	64 - 136	0.7	17
cis-1,2-Dichloroethene	ND		50.0	64.0		ug/L		128	68 - 138	4	17
1,1-Dichloroethene	ND		50.0	65.1		ug/L		130	70 - 142	4	17
trans-1,2-Dichloroethene	ND		50.0	64.4		ug/L		129	66 - 143	2	16
1,3-Dichloropropane	ND		50.0	63.7		ug/L		127	72 - 134	5	14
1,2-Dichloropropane	ND		50.0	55.9		ug/L		112	67 - 131	0.9	17
2,2-Dichloropropane	ND		50.0	56.7		ug/L		113	37 - 175	3	18
cis-1,3-Dichloropropene	ND		50.0	63.4		ug/L		127	71 - 141	4	15
trans-1,3-Dichloropropene	ND		50.0	62.2		ug/L		124	59 - 135	5	14
1,1-Dichloropropene	ND		50.0	62.4		ug/L		125	76 - 139	3	17
Ethylbenzene	ND		50.0	63.6		ug/L		127	79 - 139	5	15
Hexachlorobutadiene	ND		50.0	60.3		ug/L		121	45 - 155	16	23
2-Hexanone	ND	M7	250	384	M7	ug/L		154	50 - 150	4	15
Isopropylbenzene	39.4		50.0	102		ug/L		124	80 - 153	1	16
p-Isopropyltoluene	2.28		50.0	62.8		ug/L		121	71 - 137	3	16
Methyl tert-Butyl Ether	ND		50.0	60.6		ug/L		121	66 - 141	4	16
Methylene Chloride	ND		50.0	53.8		ug/L		108	64 - 139	3	17
4-Methyl-2-pentanone	ND	M7	250	370	M7	ug/L		148	50 - 147	3	17
Naphthalene	ND		50.0	64.5		ug/L		129	55 - 140	18	26
n-Propylbenzene	1.39		50.0	64.8		ug/L		127	69 - 142	2	17
Styrene	ND		50.0	60.9		ug/L		122	61 - 148	3	24

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0285-MSD1
Matrix: Water
Analysis Batch: U019490

Client Sample ID: SB-1GW
Prep Type: Total
Prep Batch: 11K0285_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		50.0	63.6		ug/L		127	73 - 141	5	16
1,1,2,2-Tetrachloroethane	ND		50.0	63.3		ug/L		127	56 - 143	4	20
Tetrachloroethene	ND		50.0	64.3		ug/L		129	72 - 145	5	16
Toluene	ND		50.0	63.4		ug/L		127	75 - 136	6	15
1,2,3-Trichlorobenzene	ND		50.0	61.8		ug/L		124	55 - 138	21	25
1,2,4-Trichlorobenzene	ND		50.0	58.0		ug/L		116	60 - 136	13	19
1,1,2-Trichloroethane	ND	M7	50.0	71.0	M7	ug/L		142	74 - 134	5	15
1,1,1-Trichloroethane	ND		50.0	65.8		ug/L		132	76 - 149	3	17
Trichloroethene	ND		50.0	59.8		ug/L		120	73 - 144	5	17
Trichlorofluoromethane	ND		50.0	61.9		ug/L		124	58 - 139	4	18
1,2,3-Trichloropropane	ND		50.0	61.3		ug/L		123	53 - 144	0.7	19
1,3,5-Trimethylbenzene	ND		50.0	62.0		ug/L		124	69 - 139	2	17
1,2,4-Trimethylbenzene	ND		50.0	59.6		ug/L		119	69 - 136	2	16
Vinyl chloride	ND		50.0	46.8		ug/L		94	56 - 129	3	17
Xylenes, total	ND		150	182		ug/L		122	74 - 141	4	15

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*99*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8	*109*		*70 - 130*
4-Bromofluorobenzene	*103*		*70 - 130*

Lab Sample ID: 11K0727-BLK1
Matrix: Water
Analysis Batch: U019612

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0727_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Benzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Bromobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Bromochloromethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Bromodichloromethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Bromoform	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Bromomethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
2-Butanone	ND		50.0		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
sec-Butylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
n-Butylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
tert-Butylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Carbon disulfide	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Chlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Chloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Chloroform	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Chloromethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0727-BLK1
Matrix: Water
Analysis Batch: U019612

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0727_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Ethylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Hexachlorobutadiene	ND		2.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
2-Hexanone	ND		10.0		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Isopropylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
p-Isopropyltoluene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Methylene Chloride	ND		5.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Naphthalene	ND		5.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
n-Propylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Styrene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Tetrachloroethene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Toluene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Trichloroethene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Vinyl chloride	ND		1.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00
Xylenes, total	ND		3.00		ug/L		11/04/11 08:21	11/04/11 12:49	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*107*		*70 - 130*	*11/04/11 08:21*	*11/04/11 12:49*	*1.00*
Dibromofluoromethane	*106*		*70 - 130*	*11/04/11 08:21*	*11/04/11 12:49*	*1.00*
Toluene-d8	*106*		*70 - 130*	*11/04/11 08:21*	*11/04/11 12:49*	*1.00*
4-Bromofluorobenzene	*105*		*70 - 130*	*11/04/11 08:21*	*11/04/11 12:49*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0727-BS1
Matrix: Water
Analysis Batch: U019612

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K0727_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	335		ug/L		134	54 - 145
Benzene	50.0	55.5		ug/L		111	80 - 121
Bromobenzene	50.0	57.7		ug/L		115	68 - 130
Bromochloromethane	50.0	53.0		ug/L		106	78 - 129
Bromodichloromethane	50.0	54.0		ug/L		108	75 - 129
Bromoform	50.0	56.7		ug/L		113	46 - 145
Bromomethane	50.0	47.3		ug/L		95	41 - 150
2-Butanone	250	291		ug/L		116	62 - 133
sec-Butylbenzene	50.0	58.6		ug/L		117	76 - 128
n-Butylbenzene	50.0	60.0		ug/L		120	68 - 132
tert-Butylbenzene	50.0	58.8		ug/L		118	76 - 126
Carbon disulfide	50.0	54.1		ug/L		108	77 - 126
Carbon Tetrachloride	50.0	58.5		ug/L		117	64 - 147
Chlorobenzene	50.0	57.5		ug/L		115	80 - 120
Chlorodibromomethane	50.0	59.2		ug/L		118	69 - 133
Chloroethane	50.0	48.8		ug/L		98	72 - 120
Chloroform	50.0	57.5		ug/L		115	73 - 129
Chloromethane	50.0	38.6		ug/L		77	12 - 150
2-Chlorotoluene	50.0	58.6		ug/L		117	75 - 126
4-Chlorotoluene	50.0	59.5		ug/L		119	75 - 130
1,2-Dibromo-3-chloropropane	50.0	51.1		ug/L		102	54 - 125
1,2-Dibromoethane (EDB)	50.0	55.5		ug/L		111	80 - 129
Dibromomethane	50.0	49.1		ug/L		98	71 - 125
1,4-Dichlorobenzene	50.0	57.5		ug/L		115	80 - 120
1,3-Dichlorobenzene	50.0	57.0		ug/L		114	80 - 122
1,2-Dichlorobenzene	50.0	54.9		ug/L		110	80 - 121
Dichlorodifluoromethane	50.0	42.5		ug/L		85	37 - 127
1,1-Dichloroethane	50.0	57.5		ug/L		115	78 - 125
1,2-Dichloroethane	50.0	57.4		ug/L		115	77 - 121
cis-1,2-Dichloroethene	50.0	59.7		ug/L		119	76 - 125
1,1-Dichloroethene	50.0	60.3		ug/L		121	79 - 124
trans-1,2-Dichloroethene	50.0	60.7		ug/L		121	79 - 126
1,3-Dichloropropane	50.0	57.7		ug/L		115	80 - 125
1,2-Dichloropropane	50.0	51.8		ug/L		104	75 - 120
2,2-Dichloropropane	50.0	60.1		ug/L		120	43 - 161
cis-1,3-Dichloropropene	50.0	60.9		ug/L		122	74 - 140
trans-1,3-Dichloropropene	50.0	59.7		ug/L		119	63 - 134
1,1-Dichloropropene	50.0	57.2		ug/L		114	80 - 122
Ethylbenzene	50.0	58.4		ug/L		117	80 - 130
Hexachlorobutadiene	50.0	60.4		ug/L		121	49 - 146
2-Hexanone	250	301		ug/L		121	60 - 142
Isopropylbenzene	50.0	62.8		ug/L		126	80 - 141
p-Isopropyltoluene	50.0	57.6		ug/L		115	75 - 128
Methyl tert-Butyl Ether	50.0	52.9		ug/L		106	72 - 133
Methylene Chloride	50.0	51.0		ug/L		102	79 - 123
4-Methyl-2-pentanone	250	285		ug/L		114	60 - 137
Naphthalene	50.0	54.6		ug/L		109	62 - 138
n-Propylbenzene	50.0	60.8		ug/L		122	75 - 129
Styrene	50.0	56.5		ug/L		113	80 - 127

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0727-BS1
Matrix: Water
Analysis Batch: U019612

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K0727_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	57.4		ug/L		115	74 - 135
1,1,2,2-Tetrachloroethane	50.0	55.6		ug/L		111	69 - 131
Tetrachloroethene	50.0	61.5		ug/L		123	80 - 126
Toluene	50.0	58.7		ug/L		117	80 - 126
1,2,3-Trichlorobenzene	50.0	55.8		ug/L		112	62 - 133
1,2,4-Trichlorobenzene	50.0	56.3		ug/L		113	63 - 133
1,1,2-Trichloroethane	50.0	57.4		ug/L		115	80 - 124
1,1,1-Trichloroethane	50.0	57.6		ug/L		115	78 - 135
Trichloroethene	50.0	56.9		ug/L		114	80 - 123
Trichlorofluoromethane	50.0	54.1		ug/L		108	65 - 124
1,2,3-Trichloropropane	50.0	58.0		ug/L		116	70 - 131
1,3,5-Trimethylbenzene	50.0	59.6		ug/L		119	77 - 127
1,2,4-Trimethylbenzene	50.0	56.6		ug/L		113	77 - 126
Vinyl chloride	50.0	43.0		ug/L		86	68 - 120
Xylenes, total	150	167		ug/L		112	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*98*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8	*105*		*70 - 130*
4-Bromofluorobenzene	*104*		*70 - 130*

Lab Sample ID: 11K0727-MS1
Matrix: Water
Analysis Batch: U019612

Client Sample ID: SB-2GW
Prep Type: Total
Prep Batch: 11K0727_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		2500	2810		ug/L		112	45 - 141
Benzene	2060		500	2330	M8	ug/L		54	75 - 133
Bromobenzene	ND		500	602		ug/L		120	60 - 138
Bromochloromethane	ND		500	542		ug/L		108	67 - 139
Bromodichloromethane	ND		500	574		ug/L		115	70 - 140
Bromoform	ND		500	596		ug/L		119	42 - 147
Bromomethane	ND		500	489		ug/L		98	16 - 163
2-Butanone	ND		2500	2940		ug/L		118	50 - 138
sec-Butylbenzene	ND		500	616		ug/L		123	73 - 138
n-Butylbenzene	ND		500	613		ug/L		123	66 - 141
tert-Butylbenzene	ND		500	584		ug/L		117	70 - 138
Carbon disulfide	ND		500	516		ug/L		103	48 - 152
Carbon Tetrachloride	ND		500	628		ug/L		126	62 - 164
Chlorobenzene	ND		500	582		ug/L		116	80 - 129
Chlorodibromomethane	ND		500	624		ug/L		125	66 - 140
Chloroethane	ND		500	532		ug/L		106	58 - 137
Chloroform	ND		500	624		ug/L		125	66 - 138
Chloromethane	ND		500	433		ug/L		87	10 - 169
2-Chlorotoluene	ND		500	600		ug/L		120	67 - 138
4-Chlorotoluene	ND		500	592		ug/L		118	69 - 138
1,2-Dibromo-3-chloropropane	ND		500	525		ug/L		105	52 - 126
1,2-Dibromoethane (EDB)	ND		500	586		ug/L		117	75 - 137

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0727-MS1
Matrix: Water
Analysis Batch: U019612

Client Sample ID: SB-2GW
Prep Type: Total
Prep Batch: 11K0727_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Dibromomethane	ND		500	508		ug/L		102	58 - 140
1,4-Dichlorobenzene	ND		500	571		ug/L		114	78 - 126
1,3-Dichlorobenzene	ND		500	576		ug/L		115	77 - 131
1,2-Dichlorobenzene	ND		500	567		ug/L		113	79 - 128
Dichlorodifluoromethane	ND		500	441		ug/L		88	40 - 127
1,1-Dichloroethane	ND		500	624		ug/L		125	71 - 139
1,2-Dichloroethane	ND		500	698	M7	ug/L		140	64 - 136
cis-1,2-Dichloroethene	ND		500	627		ug/L		125	68 - 138
1,1-Dichloroethene	ND		500	638		ug/L		128	70 - 142
trans-1,2-Dichloroethene	ND		500	632		ug/L		126	66 - 143
1,3-Dichloropropane	ND		500	595		ug/L		119	72 - 134
1,2-Dichloropropane	ND		500	555		ug/L		111	67 - 131
2,2-Dichloropropane	ND		500	554		ug/L		111	37 - 175
cis-1,3-Dichloropropene	ND		500	614		ug/L		123	71 - 141
trans-1,3-Dichloropropene	ND		500	597		ug/L		119	59 - 135
1,1-Dichloropropene	ND		500	593		ug/L		119	76 - 139
Ethylbenzene	144		500	717		ug/L		115	79 - 139
Hexachlorobutadiene	ND		500	622		ug/L		124	45 - 155
2-Hexanone	ND		2500	3370		ug/L		135	50 - 150
Isopropylbenzene	18.8		500	655		ug/L		127	80 - 153
p-Isopropyltoluene	ND		500	576		ug/L		115	71 - 137
Methyl tert-Butyl Ether	ND		500	599		ug/L		120	66 - 141
Methylene Chloride	ND		500	540		ug/L		108	64 - 139
4-Methyl-2-pentanone	ND		2500	3270		ug/L		131	50 - 147
Naphthalene	31.3		500	614		ug/L		117	55 - 140
n-Propylbenzene	15.8		500	625		ug/L		122	69 - 142
Styrene	ND		500	392		ug/L		78	61 - 148
1,1,1,2-Tetrachloroethane	ND		500	597		ug/L		119	73 - 141
1,1,2,2-Tetrachloroethane	ND		500	622		ug/L		124	56 - 143
Tetrachloroethene	ND		500	597		ug/L		119	72 - 145
Toluene	83.0		500	668		ug/L		117	75 - 136
1,2,3-Trichlorobenzene	ND		500	577		ug/L		115	55 - 138
1,2,4-Trichlorobenzene	ND		500	540		ug/L		108	60 - 136
1,1,2-Trichloroethane	ND		500	610		ug/L		122	74 - 134
1,1,1-Trichloroethane	ND		500	635		ug/L		127	76 - 149
Trichloroethene	ND		500	580		ug/L		116	73 - 144
Trichlorofluoromethane	ND		500	593		ug/L		119	58 - 139
1,2,3-Trichloropropane	ND		500	614		ug/L		123	53 - 144
1,3,5-Trimethylbenzene	32.0		500	618		ug/L		117	69 - 139
1,2,4-Trimethylbenzene	95.3		500	651		ug/L		111	69 - 136
Vinyl chloride	ND		500	471		ug/L		94	56 - 129
Xylenes, total	260		1500	1910		ug/L		110	74 - 141

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*100*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8	*106*		*70 - 130*
4-Bromofluorobenzene	*104*		*70 - 130*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0727-MSD1
Matrix: Water
Analysis Batch: U019612

Client Sample ID: SB-2GW
Prep Type: Total
Prep Batch: 11K0727_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		2500	2870		ug/L		115	45 - 141	2	21
Benzene	2060		500	2370	M8	ug/L		61	75 - 133	2	17
Bromobenzene	ND		500	619		ug/L		124	60 - 138	3	20
Bromochloromethane	ND		500	556		ug/L		111	67 - 139	3	17
Bromodichloromethane	ND		500	583		ug/L		117	70 - 140	1	18
Bromoform	ND		500	628		ug/L		126	42 - 147	5	16
Bromomethane	ND		500	496		ug/L		99	16 - 163	1	50
2-Butanone	ND		2500	2910		ug/L		116	50 - 138	1	19
sec-Butylbenzene	ND		500	616		ug/L		123	73 - 138	0.1	16
n-Butylbenzene	ND		500	606		ug/L		121	66 - 141	1	18
tert-Butylbenzene	ND		500	616		ug/L		123	70 - 138	5	16
Carbon disulfide	ND		500	526		ug/L		105	48 - 152	2	21
Carbon Tetrachloride	ND		500	650		ug/L		130	62 - 164	3	19
Chlorobenzene	ND		500	608		ug/L		122	80 - 129	5	14
Chlorodibromomethane	ND		500	646		ug/L		129	66 - 140	3	15
Chloroethane	ND		500	548		ug/L		110	58 - 137	3	20
Chloroform	ND		500	628		ug/L		126	66 - 138	0.6	18
Chloromethane	ND		500	431		ug/L		86	10 - 169	0.5	31
2-Chlorotoluene	ND		500	614		ug/L		123	67 - 138	2	17
4-Chlorotoluene	ND		500	628		ug/L		126	69 - 138	6	18
1,2-Dibromo-3-chloropropane	ND		500	563		ug/L		113	52 - 126	7	24
1,2-Dibromoethane (EDB)	ND		500	606		ug/L		121	75 - 137	3	15
Dibromomethane	ND		500	525		ug/L		105	58 - 140	3	16
1,4-Dichlorobenzene	ND		500	598		ug/L		120	78 - 126	5	15
1,3-Dichlorobenzene	ND		500	596		ug/L		119	77 - 131	3	15
1,2-Dichlorobenzene	ND		500	600		ug/L		120	79 - 128	6	15
Dichlorodifluoromethane	ND		500	436		ug/L		87	40 - 127	1	18
1,1-Dichloroethane	ND		500	634		ug/L		127	71 - 139	2	17
1,2-Dichloroethane	ND		500	715	M7	ug/L		143	64 - 136	2	17
cis-1,2-Dichloroethene	ND		500	635		ug/L		127	68 - 138	1	17
1,1-Dichloroethene	ND		500	638		ug/L		128	70 - 142	0	17
trans-1,2-Dichloroethene	ND		500	641		ug/L		128	66 - 143	2	16
1,3-Dichloropropane	ND		500	627		ug/L		125	72 - 134	5	14
1,2-Dichloropropane	ND		500	574		ug/L		115	67 - 131	3	17
2,2-Dichloropropane	ND		500	554		ug/L		111	37 - 175	0.05	18
cis-1,3-Dichloropropene	ND		500	628		ug/L		126	71 - 141	2	15
trans-1,3-Dichloropropene	ND		500	627		ug/L		125	59 - 135	5	14
1,1-Dichloropropene	ND		500	611		ug/L		122	76 - 139	3	17
Ethylbenzene	144		500	736		ug/L		118	79 - 139	3	15
Hexachlorobutadiene	ND		500	612		ug/L		122	45 - 155	2	23
2-Hexanone	ND		2500	3270		ug/L		131	50 - 150	3	15
Isopropylbenzene	18.8		500	690		ug/L		134	80 - 153	5	16
p-Isopropyltoluene	ND		500	594		ug/L		119	71 - 137	3	16
Methyl tert-Butyl Ether	ND		500	600		ug/L		120	66 - 141	0.1	16
Methylene Chloride	ND		500	551		ug/L		110	64 - 139	2	17
4-Methyl-2-pentanone	ND		2500	3280		ug/L		131	50 - 147	0.3	17
Naphthalene	31.3		500	646		ug/L		123	55 - 140	5	26
n-Propylbenzene	15.8		500	645		ug/L		126	69 - 142	3	17
Styrene	ND		500	393		ug/L		79	61 - 148	0.3	24

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K0727-MSD1
Matrix: Water
Analysis Batch: U019612

Client Sample ID: SB-2GW
Prep Type: Total
Prep Batch: 11K0727_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	ND		500	628		ug/L		126	73 - 141	5	16
1,1,2,2-Tetrachloroethane	ND		500	624		ug/L		125	56 - 143	0.4	20
Tetrachloroethene	ND		500	611		ug/L		122	72 - 145	2	16
Toluene	83.0		500	704		ug/L		124	75 - 136	5	15
1,2,3-Trichlorobenzene	ND		500	600		ug/L		120	55 - 138	4	25
1,2,4-Trichlorobenzene	ND		500	574		ug/L		115	60 - 136	6	19
1,1,2-Trichloroethane	ND		500	631		ug/L		126	74 - 134	3	15
1,1,1-Trichloroethane	ND		500	638		ug/L		128	76 - 149	0.5	17
Trichloroethene	ND		500	600		ug/L		120	73 - 144	3	17
Trichlorofluoromethane	ND		500	604		ug/L		121	58 - 139	2	18
1,2,3-Trichloropropane	ND		500	633		ug/L		127	53 - 144	3	19
1,3,5-Trimethylbenzene	32.0		500	646		ug/L		123	69 - 139	4	17
1,2,4-Trimethylbenzene	95.3		500	678		ug/L		117	69 - 136	4	16
Vinyl chloride	ND		500	474		ug/L		95	56 - 129	0.5	17
Xylenes, total	260		1500	1980		ug/L		115	74 - 141	4	15

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*102*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8	*108*		*70 - 130*
4-Bromofluorobenzene	*109*		*70 - 130*

Lab Sample ID: 11K1646-BLK1
Matrix: Water
Analysis Batch: U019683

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K1646_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	ND		50.0		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Benzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Bromobenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Bromochloromethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Bromodichloromethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Bromoform	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Bromomethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
2-Butanone	ND		50.0		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
sec-Butylbenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
n-Butylbenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
tert-Butylbenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Carbon disulfide	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Carbon Tetrachloride	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Chlorobenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Chlorodibromomethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Chloroethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Chloroform	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Chloromethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
2-Chlorotoluene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
4-Chlorotoluene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,2-Dibromo-3-chloropropane	ND		10.0		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,2-Dibromoethane (EDB)	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K1646-BLK1
Matrix: Water
Analysis Batch: U019683

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K1646_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromomethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,4-Dichlorobenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,3-Dichlorobenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,2-Dichlorobenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Dichlorodifluoromethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,1-Dichloroethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,2-Dichloroethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
cis-1,2-Dichloroethene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,1-Dichloroethene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
trans-1,2-Dichloroethene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,3-Dichloropropane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,2-Dichloropropane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
2,2-Dichloropropane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
cis-1,3-Dichloropropene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
trans-1,3-Dichloropropene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,1-Dichloropropene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Ethylbenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Hexachlorobutadiene	2.84		2.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
2-Hexanone	ND		10.0		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Isopropylbenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
p-Isopropyltoluene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Methyl tert-Butyl Ether	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Methylene Chloride	ND		5.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
4-Methyl-2-pentanone	ND		10.0		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Naphthalene	ND		5.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
n-Propylbenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Styrene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,1,1,2-Tetrachloroethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,1,2,2-Tetrachloroethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Tetrachloroethene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Toluene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,2,3-Trichlorobenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,2,4-Trichlorobenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,1,2-Trichloroethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,1,1-Trichloroethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Trichloroethene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Trichlorofluoromethane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,2,3-Trichloropropane	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,3,5-Trimethylbenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
1,2,4-Trimethylbenzene	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Vinyl chloride	ND		1.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00
Xylenes, total	ND		3.00		ug/L		11/07/11 08:02	11/07/11 11:13	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4	*110*		*70 - 130*	*11/07/11 08:02*	*11/07/11 11:13*	*1.00*
Dibromofluoromethane	*105*		*70 - 130*	*11/07/11 08:02*	*11/07/11 11:13*	*1.00*
Toluene-d8	*107*		*70 - 130*	*11/07/11 08:02*	*11/07/11 11:13*	*1.00*
4-Bromofluorobenzene	*104*		*70 - 130*	*11/07/11 08:02*	*11/07/11 11:13*	*1.00*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K1646-BS1
Matrix: Water
Analysis Batch: U019683

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K1646_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	250	272		ug/L		109	54 - 145
Benzene	50.0	55.7		ug/L		111	80 - 121
Bromobenzene	50.0	57.8		ug/L		116	68 - 130
Bromochloromethane	50.0	53.1		ug/L		106	78 - 129
Bromodichloromethane	50.0	55.0		ug/L		110	75 - 129
Bromoform	50.0	58.0		ug/L		116	46 - 145
Bromomethane	50.0	47.6		ug/L		95	41 - 150
2-Butanone	250	271		ug/L		108	62 - 133
sec-Butylbenzene	50.0	58.6		ug/L		117	76 - 128
n-Butylbenzene	50.0	59.5		ug/L		119	68 - 132
tert-Butylbenzene	50.0	58.4		ug/L		117	76 - 126
Carbon disulfide	50.0	53.4		ug/L		107	77 - 126
Carbon Tetrachloride	50.0	58.6		ug/L		117	64 - 147
Chlorobenzene	50.0	56.5		ug/L		113	80 - 120
Chlorodibromomethane	50.0	59.8		ug/L		120	69 - 133
Chloroethane	50.0	50.3		ug/L		101	72 - 120
Chloroform	50.0	57.5		ug/L		115	73 - 129
Chloromethane	50.0	40.8		ug/L		82	12 - 150
2-Chlorotoluene	50.0	57.7		ug/L		115	75 - 126
4-Chlorotoluene	50.0	58.5		ug/L		117	75 - 130
1,2-Dibromo-3-chloropropane	50.0	52.2		ug/L		104	54 - 125
1,2-Dibromoethane (EDB)	50.0	54.8		ug/L		110	80 - 129
Dibromomethane	50.0	48.9		ug/L		98	71 - 125
1,4-Dichlorobenzene	50.0	58.5		ug/L		117	80 - 120
1,3-Dichlorobenzene	50.0	57.4		ug/L		115	80 - 122
1,2-Dichlorobenzene	50.0	57.1		ug/L		114	80 - 121
Dichlorodifluoromethane	50.0	44.0		ug/L		88	37 - 127
1,1-Dichloroethane	50.0	57.8		ug/L		116	78 - 125
1,2-Dichloroethane	50.0	59.6		ug/L		119	77 - 121
cis-1,2-Dichloroethene	50.0	59.1		ug/L		118	76 - 125
1,1-Dichloroethene	50.0	59.8		ug/L		120	79 - 124
trans-1,2-Dichloroethene	50.0	61.3		ug/L		123	79 - 126
1,3-Dichloropropane	50.0	57.5		ug/L		115	80 - 125
1,2-Dichloropropane	50.0	52.9		ug/L		106	75 - 120
2,2-Dichloropropane	50.0	59.3		ug/L		119	43 - 161
cis-1,3-Dichloropropene	50.0	59.4		ug/L		119	74 - 140
trans-1,3-Dichloropropene	50.0	59.2		ug/L		118	63 - 134
1,1-Dichloropropene	50.0	56.8		ug/L		114	80 - 122
Ethylbenzene	50.0	56.3		ug/L		113	80 - 130
Hexachlorobutadiene	50.0	58.4	B	ug/L		117	49 - 146
2-Hexanone	250	272		ug/L		109	60 - 142
Isopropylbenzene	50.0	63.2		ug/L		126	80 - 141
p-Isopropyltoluene	50.0	57.7		ug/L		115	75 - 128
Methyl tert-Butyl Ether	50.0	56.2		ug/L		112	72 - 133
Methylene Chloride	50.0	51.8		ug/L		104	79 - 123
4-Methyl-2-pentanone	250	275		ug/L		110	60 - 137
Naphthalene	50.0	55.6		ug/L		111	62 - 138
n-Propylbenzene	50.0	59.8		ug/L		120	75 - 129
Styrene	50.0	56.6		ug/L		113	80 - 127

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K1646-BS1
Matrix: Water
Analysis Batch: U019683

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K1646_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	57.5		ug/L		115	74 - 135
1,1,2,2-Tetrachloroethane	50.0	56.8		ug/L		114	69 - 131
Tetrachloroethene	50.0	58.8		ug/L		118	80 - 126
Toluene	50.0	57.4		ug/L		115	80 - 126
1,2,3-Trichlorobenzene	50.0	57.1		ug/L		114	62 - 133
1,2,4-Trichlorobenzene	50.0	56.3		ug/L		113	63 - 133
1,1,2-Trichloroethane	50.0	56.5		ug/L		113	80 - 124
1,1,1-Trichloroethane	50.0	57.8		ug/L		116	78 - 135
Trichloroethene	50.0	56.0		ug/L		112	80 - 123
Trichlorofluoromethane	50.0	53.8		ug/L		108	65 - 124
1,2,3-Trichloropropane	50.0	59.0		ug/L		118	70 - 131
1,3,5-Trimethylbenzene	50.0	58.1		ug/L		116	77 - 127
1,2,4-Trimethylbenzene	50.0	56.6		ug/L		113	77 - 126
Vinyl chloride	50.0	43.6		ug/L		87	68 - 120
Xylenes, total	150	166		ug/L		111	80 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4	*100*		*70 - 130*
Dibromofluoromethane	*104*		*70 - 130*
Toluene-d8	*103*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*

Lab Sample ID: 11K1646-BSD1
Matrix: Water
Analysis Batch: U019683

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K1646_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	250	300		ug/L		120	54 - 145	10	21
Benzene	50.0	59.0		ug/L		118	80 - 121	6	17
Bromobenzene	50.0	61.6		ug/L		123	68 - 130	6	20
Bromochloromethane	50.0	55.6		ug/L		111	78 - 129	5	17
Bromodichloromethane	50.0	58.3		ug/L		117	75 - 129	6	18
Bromoform	50.0	61.5		ug/L		123	46 - 145	6	16
Bromomethane	50.0	51.2		ug/L		102	41 - 150	7	50
2-Butanone	250	291		ug/L		117	62 - 133	7	19
sec-Butylbenzene	50.0	62.0		ug/L		124	76 - 128	6	16
n-Butylbenzene	50.0	63.3		ug/L		127	68 - 132	6	18
tert-Butylbenzene	50.0	62.3		ug/L		125	76 - 126	7	16
Carbon disulfide	50.0	57.4		ug/L		115	77 - 126	7	21
Carbon Tetrachloride	50.0	63.6		ug/L		127	64 - 147	8	19
Chlorobenzene	50.0	59.4		ug/L		119	80 - 120	5	14
Chlorodibromomethane	50.0	63.9		ug/L		128	69 - 133	7	15
Chloroethane	50.0	53.2		ug/L		106	72 - 120	6	20
Chloroform	50.0	61.1		ug/L		122	73 - 129	6	18
Chloromethane	50.0	42.2		ug/L		84	12 - 150	3	31
2-Chlorotoluene	50.0	62.0		ug/L		124	75 - 126	7	17
4-Chlorotoluene	50.0	62.3		ug/L		125	75 - 130	6	18
1,2-Dibromo-3-chloropropane	50.0	54.3		ug/L		109	54 - 125	4	24
1,2-Dibromoethane (EDB)	50.0	59.7		ug/L		119	80 - 129	9	15

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K1646-BSD1
Matrix: Water
Analysis Batch: U019683

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K1646_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibromomethane	50.0	52.6		ug/L		105	71 - 125	7	16
1,4-Dichlorobenzene	50.0	61.1	L	ug/L		122	80 - 120	4	15
1,3-Dichlorobenzene	50.0	60.2		ug/L		120	80 - 122	5	15
1,2-Dichlorobenzene	50.0	59.2		ug/L		118	80 - 121	4	15
Dichlorodifluoromethane	50.0	45.8		ug/L		92	37 - 127	4	18
1,1-Dichloroethane	50.0	61.8		ug/L		124	78 - 125	7	17
1,2-Dichloroethane	50.0	63.0	L	ug/L		126	77 - 121	6	17
cis-1,2-Dichloroethene	50.0	63.7	L	ug/L		127	76 - 125	7	17
1,1-Dichloroethene	50.0	63.4	L	ug/L		127	79 - 124	6	17
trans-1,2-Dichloroethene	50.0	65.3	L	ug/L		131	79 - 126	6	16
1,3-Dichloropropane	50.0	60.5		ug/L		121	80 - 125	5	14
1,2-Dichloropropane	50.0	56.7		ug/L		113	75 - 120	7	17
2,2-Dichloropropane	50.0	63.8		ug/L		128	43 - 161	7	18
cis-1,3-Dichloropropene	50.0	63.5		ug/L		127	74 - 140	7	15
trans-1,3-Dichloropropene	50.0	62.9		ug/L		126	63 - 134	6	14
1,1-Dichloropropene	50.0	61.0		ug/L		122	80 - 122	7	17
Ethylbenzene	50.0	60.8		ug/L		122	80 - 130	8	15
Hexachlorobutadiene	50.0	64.9	B	ug/L		130	49 - 146	10	23
2-Hexanone	250	297		ug/L		119	60 - 142	9	15
Isopropylbenzene	50.0	67.2		ug/L		134	80 - 141	6	16
p-Isopropyltoluene	50.0	60.4		ug/L		121	75 - 128	5	16
Methyl tert-Butyl Ether	50.0	60.1		ug/L		120	72 - 133	7	16
Methylene Chloride	50.0	56.8		ug/L		114	79 - 123	9	17
4-Methyl-2-pentanone	250	297		ug/L		119	60 - 137	8	17
Naphthalene	50.0	58.7		ug/L		117	62 - 138	5	26
n-Propylbenzene	50.0	62.9		ug/L		126	75 - 129	5	17
Styrene	50.0	60.9		ug/L		122	80 - 127	7	24
1,1,1,2-Tetrachloroethane	50.0	60.0		ug/L		120	74 - 135	4	16
1,1,2,2-Tetrachloroethane	50.0	60.0		ug/L		120	69 - 131	5	20
Tetrachloroethene	50.0	63.2		ug/L		126	80 - 126	7	16
Toluene	50.0	61.0		ug/L		122	80 - 126	6	15
1,2,3-Trichlorobenzene	50.0	61.8		ug/L		124	62 - 133	8	25
1,2,4-Trichlorobenzene	50.0	60.6		ug/L		121	63 - 133	7	19
1,1,2-Trichloroethane	50.0	60.0		ug/L		120	80 - 124	6	15
1,1,1-Trichloroethane	50.0	62.6		ug/L		125	78 - 135	8	17
Trichloroethene	50.0	60.2		ug/L		120	80 - 123	7	17
Trichlorofluoromethane	50.0	56.5		ug/L		113	65 - 124	5	18
1,2,3-Trichloropropane	50.0	59.6		ug/L		119	70 - 131	1	19
1,3,5-Trimethylbenzene	50.0	62.0		ug/L		124	77 - 127	7	17
1,2,4-Trimethylbenzene	50.0	59.6		ug/L		119	77 - 126	5	16
Vinyl chloride	50.0	45.9		ug/L		92	68 - 120	5	17
Xylenes, total	150	178		ug/L		119	80 - 132	7	15

Surrogate	*LCS Dup %Recovery*	*LCS Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*103*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8	*107*		*70 - 130*
4-Bromofluorobenzene	*105*		*70 - 130*

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K1646-MS1
Matrix: Water
Analysis Batch: U019683

Client Sample ID: SB-2GW
Prep Type: Total
Prep Batch: 11K1646_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	ND		25000	29700		ug/L		119	45 - 141
Benzene	1880	M7	5000	8680	M7	ug/L		136	75 - 133
Bromobenzene	ND		5000	6460		ug/L		129	60 - 138
Bromochloromethane	ND		5000	6120		ug/L		122	67 - 139
Bromodichloromethane	ND		5000	6270		ug/L		125	70 - 140
Bromoform	ND		5000	6360		ug/L		127	42 - 147
Bromomethane	ND		5000	5270		ug/L		105	16 - 163
2-Butanone	ND		25000	30100		ug/L		120	50 - 138
sec-Butylbenzene	ND		5000	6600		ug/L		132	73 - 138
n-Butylbenzene	ND		5000	6520		ug/L		130	66 - 141
tert-Butylbenzene	ND		5000	6360		ug/L		127	70 - 138
Carbon disulfide	ND		5000	6410		ug/L		128	48 - 152
Carbon Tetrachloride	ND		5000	7380		ug/L		148	62 - 164
Chlorobenzene	ND		5000	6580	M7	ug/L		132	80 - 129
Chlorodibromomethane	ND		5000	6710		ug/L		134	66 - 140
Chloroethane	ND		5000	6290		ug/L		126	58 - 137
Chloroform	ND		5000	6710		ug/L		134	66 - 138
Chloromethane	ND		5000	5200		ug/L		104	10 - 169
2-Chlorotoluene	ND		5000	6600		ug/L		132	67 - 138
4-Chlorotoluene	ND		5000	6620		ug/L		132	69 - 138
1,2-Dibromo-3-chloropropane	ND		5000	5330		ug/L		107	52 - 126
1,2-Dibromoethane (EDB)	ND		5000	6260		ug/L		125	75 - 137
Dibromomethane	ND		5000	5790		ug/L		116	58 - 140
1,4-Dichlorobenzene	ND		5000	6440	M7	ug/L		129	78 - 126
1,3-Dichlorobenzene	ND		5000	6260		ug/L		125	77 - 131
1,2-Dichlorobenzene	ND		5000	6230		ug/L		125	79 - 128
Dichlorodifluoromethane	ND		5000	5360		ug/L		107	40 - 127
1,1-Dichloroethane	ND		5000	6930		ug/L		139	71 - 139
1,2-Dichloroethane	ND		5000	6960	M7	ug/L		139	64 - 136
cis-1,2-Dichloroethene	ND		5000	7040	M7	ug/L		141	68 - 138
1,1-Dichloroethene	ND		5000	7340	M7	ug/L		147	70 - 142
trans-1,2-Dichloroethene	ND		5000	7370	M7	ug/L		147	66 - 143
1,3-Dichloropropane	ND		5000	6610		ug/L		132	72 - 134
1,2-Dichloropropane	ND		5000	6110		ug/L		122	67 - 131
2,2-Dichloropropane	ND		5000	6750		ug/L		135	37 - 175
cis-1,3-Dichloropropene	ND		5000	6780		ug/L		136	71 - 141
trans-1,3-Dichloropropene	ND		5000	6640		ug/L		133	59 - 135
1,1-Dichloropropene	ND		5000	6990	M7	ug/L		140	76 - 139
Ethylbenzene	98.0		5000	6790		ug/L		134	79 - 139
Hexachlorobutadiene	ND		5000	5820	B	ug/L		116	45 - 155
2-Hexanone	ND		25000	32000		ug/L		128	50 - 150
Isopropylbenzene	ND		5000	7420		ug/L		148	80 - 153
p-Isopropyltoluene	ND		5000	6210		ug/L		124	71 - 137
Methyl tert-Butyl Ether	ND		5000	6410		ug/L		128	66 - 141
Methylene Chloride	ND		5000	6030		ug/L		121	64 - 139
4-Methyl-2-pentanone	ND		25000	32400		ug/L		130	50 - 147
Naphthalene	ND		5000	5150		ug/L		103	55 - 140
n-Propylbenzene	ND		5000	6920		ug/L		138	69 - 142
Styrene	ND		5000	6440		ug/L		129	61 - 148

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K1646-MS1
Matrix: Water
Analysis Batch: U019683

Client Sample ID: SB-2GW
Prep Type: Total
Prep Batch: 11K1646_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	ND		5000	6460		ug/L		129	73 - 141
1,1,2,2-Tetrachloroethane	ND		5000	6210		ug/L		124	56 - 143
Tetrachloroethene	ND		5000	6990		ug/L		140	72 - 145
Toluene	63.0		5000	6790		ug/L		134	75 - 136
1,2,3-Trichlorobenzene	ND		5000	5060		ug/L		101	55 - 138
1,2,4-Trichlorobenzene	ND		5000	5280		ug/L		106	60 - 136
1,1,2-Trichloroethane	ND		5000	6420		ug/L		128	74 - 134
1,1,1-Trichloroethane	ND		5000	7130		ug/L		143	76 - 149
Trichloroethene	ND		5000	6710		ug/L		134	73 - 144
Trichlorofluoromethane	ND		5000	7210	M7	ug/L		144	58 - 139
1,2,3-Trichloropropane	ND		5000	6090		ug/L		122	53 - 144
1,3,5-Trimethylbenzene	ND		5000	6660		ug/L		133	69 - 139
1,2,4-Trimethylbenzene	66.0		5000	6230		ug/L		123	69 - 136
Vinyl chloride	ND		5000	5420		ug/L		108	56 - 129
Xylenes, total	190		15000	19400		ug/L		128	74 - 141

Surrogate	*Matrix Spike %Recovery*	*Matrix Spike Qualifier*	*Limits*
1,2-Dichloroethane-d4	*103*		*70 - 130*
Dibromofluoromethane	*104*		*70 - 130*
Toluene-d8	*106*		*70 - 130*
4-Bromofluorobenzene	*104*		*70 - 130*

Lab Sample ID: 11K1646-MSD1
Matrix: Water
Analysis Batch: U019683

Client Sample ID: SB-2GW
Prep Type: Total
Prep Batch: 11K1646_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	ND		25000	27900		ug/L		112	45 - 141	6	21
Benzene	1880	M7	5000	8060		ug/L		123	75 - 133	7	17
Bromobenzene	ND		5000	6100		ug/L		122	60 - 138	6	20
Bromochloromethane	ND		5000	5830		ug/L		117	67 - 139	5	17
Bromodichloromethane	ND		5000	5920		ug/L		118	70 - 140	6	18
Bromoform	ND		5000	5960		ug/L		119	42 - 147	6	16
Bromomethane	ND		5000	5100		ug/L		102	16 - 163	3	50
2-Butanone	ND		25000	28600		ug/L		115	50 - 138	5	19
sec-Butylbenzene	ND		5000	6680		ug/L		134	73 - 138	1	16
n-Butylbenzene	ND		5000	6630		ug/L		133	66 - 141	2	18
tert-Butylbenzene	ND		5000	6480		ug/L		130	70 - 138	2	16
Carbon disulfide	ND		5000	6230		ug/L		125	48 - 152	3	21
Carbon Tetrachloride	ND		5000	6960		ug/L		139	62 - 164	6	19
Chlorobenzene	ND		5000	6330		ug/L		127	80 - 129	4	14
Chlorodibromomethane	ND		5000	6430		ug/L		129	66 - 140	4	15
Chloroethane	ND		5000	5910		ug/L		118	58 - 137	6	20
Chloroform	ND		5000	6430		ug/L		129	66 - 138	4	18
Chloromethane	ND		5000	4930		ug/L		99	10 - 169	5	31
2-Chlorotoluene	ND		5000	6330		ug/L		127	67 - 138	4	17
4-Chlorotoluene	ND		5000	6450		ug/L		129	69 - 138	3	18
1,2-Dibromo-3-chloropropane	ND		5000	5340		ug/L		107	52 - 126	0.3	24
1,2-Dibromoethane (EDB)	ND		5000	6020		ug/L		120	75 - 137	4	15

Method: SW846 8260B - Volatile Organic Compounds by EPA Method 8260B (Continued)

Lab Sample ID: 11K1646-MSD1
Matrix: Water
Analysis Batch: U019683

Client Sample ID: SB-2GW
Prep Type: Total
Prep Batch: 11K1646_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibromomethane	ND		5000	5440		ug/L		109	58 - 140	6	16
1,4-Dichlorobenzene	ND		5000	6200		ug/L		124	78 - 126	4	15
1,3-Dichlorobenzene	ND		5000	6180		ug/L		124	77 - 131	1	15
1,2-Dichlorobenzene	ND		5000	6040		ug/L		121	79 - 128	3	15
Dichlorodifluoromethane	ND		5000	5020		ug/L		100	40 - 127	7	18
1,1-Dichloroethane	ND		5000	6630		ug/L		133	71 - 139	5	17
1,2-Dichloroethane	ND		5000	6560		ug/L		131	64 - 136	6	17
cis-1,2-Dichloroethene	ND		5000	6740		ug/L		135	68 - 138	4	17
1,1-Dichloroethene	ND		5000	7000		ug/L		140	70 - 142	5	17
trans-1,2-Dichloroethene	ND		5000	7040		ug/L		141	66 - 143	5	16
1,3-Dichloropropane	ND		5000	6270		ug/L		125	72 - 134	5	14
1,2-Dichloropropane	ND		5000	5750		ug/L		115	67 - 131	6	17
2,2-Dichloropropane	ND		5000	6410		ug/L		128	37 - 175	5	18
cis-1,3-Dichloropropene	ND		5000	6480		ug/L		130	71 - 141	4	15
trans-1,3-Dichloropropene	ND		5000	6350		ug/L		127	59 - 135	5	14
1,1-Dichloropropene	ND		5000	6650		ug/L		133	76 - 139	5	17
Ethylbenzene	98.0		5000	6620		ug/L		131	79 - 139	3	15
Hexachlorobutadiene	ND		5000	6470	B	ug/L		129	45 - 155	11	23
2-Hexanone	ND		25000	30600		ug/L		122	50 - 150	4	15
Isopropylbenzene	ND		5000	7050		ug/L		141	80 - 153	5	16
p-Isopropyltoluene	ND		5000	6420		ug/L		128	71 - 137	3	16
Methyl tert-Butyl Ether	ND		5000	6040		ug/L		121	66 - 141	6	16
Methylene Chloride	ND		5000	5850		ug/L		117	64 - 139	3	17
4-Methyl-2-pentanone	ND		25000	30500		ug/L		122	50 - 147	6	17
Naphthalene	ND		5000	5790		ug/L		116	55 - 140	12	26
n-Propylbenzene	ND		5000	6620		ug/L		132	69 - 142	4	17
Styrene	ND		5000	6250		ug/L		125	61 - 148	3	24
1,1,1,2-Tetrachloroethane	ND		5000	6310		ug/L		126	73 - 141	2	16
1,1,2,2-Tetrachloroethane	ND		5000	5800		ug/L		116	56 - 143	7	20
Tetrachloroethene	ND		5000	6740		ug/L		135	72 - 145	4	16
Toluene	63.0		5000	6640		ug/L		132	75 - 136	2	15
1,2,3-Trichlorobenzene	ND		5000	5890		ug/L		118	55 - 138	15	25
1,2,4-Trichlorobenzene	ND		5000	5810		ug/L		116	60 - 136	10	19
1,1,2-Trichloroethane	ND		5000	6170		ug/L		123	74 - 134	4	15
1,1,1-Trichloroethane	ND		5000	6860		ug/L		137	76 - 149	4	17
Trichloroethene	ND		5000	6420		ug/L		128	73 - 144	4	17
Trichlorofluoromethane	ND		5000	6730		ug/L		135	58 - 139	7	18
1,2,3-Trichloropropane	ND		5000	6010		ug/L		120	53 - 144	1	19
1,3,5-Trimethylbenzene	ND		5000	6440		ug/L		129	69 - 139	3	17
1,2,4-Trimethylbenzene	66.0		5000	6280		ug/L		124	69 - 136	0.8	16
Vinyl chloride	ND		5000	5270		ug/L		105	56 - 129	3	17
Xylenes, total	190		15000	18900		ug/L		125	74 - 141	3	15

Surrogate	*Matrix Spike Dup %Recovery*	*Matrix Spike Dup Qualifier*	*Limits*
1,2-Dichloroethane-d4	*101*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8	*106*		*70 - 130*
4-Bromofluorobenzene	*102*		*70 - 130*

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM

Lab Sample ID: 11J7397-BLK1
Matrix: Water
Analysis Batch: 11J7397

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11J7397_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Acenaphthylene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Anthracene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Benzo (a) anthracene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Benzo (a) pyrene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Benzo (b) fluoranthene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Benzo (g,h,i) perylene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Benzo (k) fluoranthene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Chrysene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Dibenz (a,h) anthracene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Fluoranthene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Fluorene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Indeno (1,2,3-cd) pyrene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
1-Methylnaphthalene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
2-Methylnaphthalene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Naphthalene	ND		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Phenanthrene	0.130		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00
Pyrene	0.150		0.100		ug/L		11/01/11 07:20	11/01/11 15:05	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*41*		*27 - 120*	*11/01/11 07:20*	*11/01/11 15:05*	*1.00*
2-Fluorobiphenyl	*44*		*29 - 120*	*11/01/11 07:20*	*11/01/11 15:05*	*1.00*
Terphenyl-d14	*66*		*13 - 120*	*11/01/11 07:20*	*11/01/11 15:05*	*1.00*

Lab Sample ID: 11J7397-BS1
Matrix: Water
Analysis Batch: 11J7397

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11J7397_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.00	0.650	MNR	ug/L		65	46 - 120
Acenaphthylene	1.00	0.660	MNR	ug/L		66	48 - 120
Anthracene	1.00	0.700	MNR	ug/L		70	58 - 130
Benzo (a) anthracene	1.00	0.690	MNR	ug/L		69	57 - 120
Benzo (a) pyrene	1.00	0.730	MNR	ug/L		73	57 - 124
Benzo (b) fluoranthene	1.00	0.670	MNR	ug/L		67	51 - 125
Benzo (g,h,i) perylene	1.00	0.670	MNR	ug/L		67	51 - 123
Benzo (k) fluoranthene	1.00	0.740	MNR	ug/L		74	51 - 120
Chrysene	1.00	0.750	MNR	ug/L		75	55 - 120
Dibenz (a,h) anthracene	1.00	0.640	MNR	ug/L		64	50 - 125
Fluoranthene	1.00	0.700	MNR	ug/L		70	56 - 120
Fluorene	1.00	0.700	MNR	ug/L		70	52 - 120
Indeno (1,2,3-cd) pyrene	1.00	0.650	MNR	ug/L		65	54 - 125
1-Methylnaphthalene	1.00	0.580	MNR	ug/L		58	36 - 120
2-Methylnaphthalene	1.00	0.520	MNR	ug/L		52	31 - 120
Naphthalene	1.00	0.690	MNR	ug/L		69	37 - 120
Phenanthrene	1.00	0.700	MNR B	ug/L		70	56 - 120
Pyrene	1.00	0.720	MNR B	ug/L		72	53 - 122

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM (Continued)

Lab Sample ID: 11J7397-BS1
Matrix: Water
Analysis Batch: 11J7397

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11J7397_P

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	39		27 - 120
2-Fluorobiphenyl	56		29 - 120
Terphenyl-d14	77		13 - 120

Lab Sample ID: 11J7397-BSD1
Matrix: Water
Analysis Batch: 11J7397

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11J7397_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	1.00	0.710		ug/L		71	46 - 120	9	31
Acenaphthylene	1.00	0.720		ug/L		72	48 - 120	9	31
Anthracene	1.00	0.730		ug/L		73	58 - 130	4	28
Benzo (a) anthracene	1.00	0.690		ug/L		69	57 - 120	0	27
Benzo (a) pyrene	1.00	0.750		ug/L		75	57 - 124	3	27
Benzo (b) fluoranthene	1.00	0.730		ug/L		73	51 - 125	9	39
Benzo (g,h,i) perylene	1.00	0.680		ug/L		68	51 - 123	1	27
Benzo (k) fluoranthene	1.00	0.800		ug/L		80	51 - 120	8	32
Chrysene	1.00	0.800		ug/L		80	55 - 120	6	27
Dibenz (a,h) anthracene	1.00	0.630		ug/L		63	50 - 125	2	28
Fluoranthene	1.00	0.710		ug/L		71	56 - 120	1	28
Fluorene	1.00	0.750		ug/L		75	52 - 120	7	28
Indeno (1,2,3-cd) pyrene	1.00	0.660		ug/L		66	54 - 125	2	27
1-Methylnaphthalene	1.00	0.620		ug/L		62	36 - 120	7	36
2-Methylnaphthalene	1.00	0.550		ug/L		55	31 - 120	6	35
Naphthalene	1.00	0.760		ug/L		76	37 - 120	10	37
Phenanthrene	1.00	0.720	B	ug/L		72	56 - 120	3	26
Pyrene	1.00	0.750	B	ug/L		75	53 - 122	4	29

Surrogate	LCS Dup %Recovery	LCS Dup Qualifier	Limits
Nitrobenzene-d5	42		27 - 120
2-Fluorobiphenyl	61		29 - 120
Terphenyl-d14	82		13 - 120

Lab Sample ID: 11K0709-BLK1
Matrix: Water
Analysis Batch: 11K0709

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0709_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Acenaphthylene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Anthracene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Benzo (a) anthracene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Benzo (a) pyrene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Benzo (b) fluoranthene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Benzo (g,h,i) perylene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Benzo (k) fluoranthene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Chrysene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Dibenz (a,h) anthracene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Fluoranthene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00

Method: SW846 8270CSIM - Polyaromatic Hydrocarbons by EPA 8270C SIM (Continued)

Lab Sample ID: 11K0709-BLK1
Matrix: Water
Analysis Batch: 11K0709

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K0709_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Indeno (1,2,3-cd) pyrene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
1-Methylnaphthalene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
2-Methylnaphthalene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Naphthalene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Phenanthrene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00
Pyrene	ND		0.100		ug/L		11/03/11 13:30	11/04/11 15:08	1.00

Surrogate	*Blank %Recovery*	*Blank Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*94*		*27 - 120*	*11/03/11 13:30*	*11/04/11 15:08*	*1.00*
2-Fluorobiphenyl	*72*		*29 - 120*	*11/03/11 13:30*	*11/04/11 15:08*	*1.00*
Terphenyl-d14	*105*		*13 - 120*	*11/03/11 13:30*	*11/04/11 15:08*	*1.00*

Lab Sample ID: 11K0709-BS1
Matrix: Water
Analysis Batch: 11K0709

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K0709_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	1.00	0.690	MNR1	ug/L		69	46 - 120
Acenaphthylene	1.00	0.700	MNR1	ug/L		70	48 - 120
Anthracene	1.00	0.790	MNR1	ug/L		79	58 - 130
Benzo (a) anthracene	1.00	0.840	MNR1	ug/L		84	57 - 120
Benzo (a) pyrene	1.00	0.850	MNR1	ug/L		85	57 - 124
Benzo (b) fluoranthene	1.00	0.680	MNR1	ug/L		68	51 - 125
Benzo (g,h,i) perylene	1.00	0.760	MNR1	ug/L		76	51 - 123
Benzo (k) fluoranthene	1.00	0.690	MNR1	ug/L		69	51 - 120
Chrysene	1.00	0.830	MNR1	ug/L		83	55 - 120
Dibenz (a,h) anthracene	1.00	0.710	MNR1	ug/L		71	50 - 125
Fluoranthene	1.00	0.790	MNR1	ug/L		79	56 - 120
Fluorene	1.00	0.710	MNR1	ug/L		71	52 - 120
Indeno (1,2,3-cd) pyrene	1.00	0.740	MNR1	ug/L		74	54 - 125
1-Methylnaphthalene	1.00	0.500	MNR1	ug/L		50	36 - 120
2-Methylnaphthalene	1.00	0.590	MNR1	ug/L		59	31 - 120
Naphthalene	1.00	0.690	MNR1	ug/L		69	37 - 120
Phenanthrene	1.00	0.780	MNR1	ug/L		78	56 - 120
Pyrene	1.00	0.820	MNR1	ug/L		82	53 - 122

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*80*		*27 - 120*
2-Fluorobiphenyl	*67*		*29 - 120*
Terphenyl-d14	*101*		*13 - 120*

Method: SW846 9056 - General Chemistry Parameters

Lab Sample ID: 11K1439-BLK1
Matrix: Water
Analysis Batch: U019539

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K1439_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00		mg/L		11/05/11 15:01	11/05/11 15:21	1.00
Sulfate	ND		1.00		mg/L		11/05/11 15:01	11/05/11 15:21	1.00

Lab Sample ID: 11K1439-BS1
Matrix: Water
Analysis Batch: U019539

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K1439_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	48.0	MNR	mg/L		96	90 - 110
Sulfate	50.0	47.7		mg/L		95	90 - 110

Lab Sample ID: 11K1439-BSD1
Matrix: Water
Analysis Batch: U019539

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K1439_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	50.0	47.7		mg/L		95	90 - 110	0.7	20
Sulfate	50.0	46.8		mg/L		94	90 - 110	2	20

Lab Sample ID: 11K1439-MS1
Matrix: Water
Analysis Batch: U019539

Client Sample ID: Matrix Spike
Prep Type: Total
Prep Batch: 11K1439_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	ND		50.0	49.5		mg/L		99	80 - 120

Lab Sample ID: 11K1439-MSD1
Matrix: Water
Analysis Batch: U019539

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total
Prep Batch: 11K1439_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Sulfate	ND		50.0	54.0		mg/L		108	80 - 120	9	20

Lab Sample ID: 11K1439-DUP1
Matrix: Water
Analysis Batch: U019539

Client Sample ID: Duplicate
Prep Type: Total
Prep Batch: 11K1439_P

Analyte	Sample Result	Sample Qualifier	Duplicate Result	Duplicate Qualifier	Unit	D	RPD	RPD Limit
Chloride	1000		1000	E	mg/L		0	20
Sulfate	ND		ND		mg/L			20

Lab Sample ID: 11K1481-BLK1
Matrix: Water
Analysis Batch: U019604

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11K1481_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	ND		1.00		mg/L		11/06/11 11:13	11/07/11 05:58	1.00
Sulfate	ND		1.00		mg/L		11/06/11 11:13	11/07/11 05:58	1.00

Method: SW846 9056 - General Chemistry Parameters (Continued)

Lab Sample ID: 11K1481-BS1
Matrix: Water
Analysis Batch: U019604

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11K1481_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	50.0	46.6		mg/L		93	90 - 110
Sulfate	50.0	45.3		mg/L		91	90 - 110

Lab Sample ID: 11K1481-BSD1
Matrix: Water
Analysis Batch: U019604

Client Sample ID: Lab Control Sample Dup
Prep Type: Total
Prep Batch: 11K1481_P

Analyte	Spike Added	LCS Dup Result	LCS Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	50.0	46.9		mg/L		94	90 - 110	0.6	20
Sulfate	50.0	45.8		mg/L		92	90 - 110	1	20

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B

Lab Sample ID: 11K0631-BLK1
Matrix: Water
Analysis Batch: 11K0631

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 11K0631_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.0100		mg/L		11/03/11 06:56	11/05/11 05:56	1.00
Barium	ND		0.0100		mg/L		11/03/11 06:56	11/05/11 05:56	1.00
Cadmium	ND		0.00100		mg/L		11/03/11 06:56	11/05/11 05:56	1.00
Chromium	ND		0.00500		mg/L		11/03/11 06:56	11/05/11 05:56	1.00
Lead	ND		0.00500		mg/L		11/03/11 06:56	11/05/11 05:56	1.00
Selenium	ND		0.0100		mg/L		11/03/11 06:56	11/05/11 05:56	1.00
Silver	ND		0.00500		mg/L		11/03/11 06:56	11/05/11 05:56	1.00

Lab Sample ID: 11K0631-BS1
Matrix: Water
Analysis Batch: 11K0631

Client Sample ID: Lab Control Sample
Prep Type: Dissolved
Prep Batch: 11K0631_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.0500	0.0470		mg/L		94	80 - 120
Barium	2.00	2.07		mg/L		103	80 - 120
Cadmium	0.0500	0.0499		mg/L		100	80 - 120
Chromium	0.200	0.194		mg/L		97	80 - 120
Lead	0.0500	0.0513		mg/L		103	80 - 120
Selenium	0.0500	0.0482		mg/L		96	80 - 120
Silver	0.0500	0.0495		mg/L		99	80 - 120

Lab Sample ID: 11K0631-MS1
Matrix: Water
Analysis Batch: 11K0631

Client Sample ID: SB-1GW
Prep Type: Dissolved
Prep Batch: 11K0631_P

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	ND	P7	0.0500	0.0500		mg/L		100	75 - 125
Barium	0.0808	P7	2.00	2.01		mg/L		96	75 - 125
Cadmium	ND	P7	0.0500	0.0475		mg/L		95	75 - 125
Chromium	ND	P7	0.200	0.184		mg/L		92	75 - 125
Lead	0.00530	P7	0.0500	0.0555		mg/L		100	75 - 125
Selenium	ND	P7	0.0500	0.0491		mg/L		98	75 - 125

Method: SW846 6010B - Dissolved Metals by EPA Method 6010B (Continued)

Lab Sample ID: 11K0631-MS1 — **Client Sample ID: SB-1GW**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 11K0631 — **Prep Batch: 11K0631_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	ND	P7	0.0500	0.0486		mg/L		97	75 - 125

Lab Sample ID: 11K0631-MSD1 — **Client Sample ID: SB-1GW**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 11K0631 — **Prep Batch: 11K0631_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	ND	P7	0.0500	0.0495		mg/L		99	75 - 125	1	20
Barium	0.0808	P7	2.00	2.06		mg/L		99	75 - 125	2	20
Cadmium	ND	P7	0.0500	0.0490		mg/L		98	75 - 125	3	20
Chromium	ND	P7	0.200	0.189		mg/L		95	75 - 125	3	20
Lead	0.00530	P7	0.0500	0.0556		mg/L		101	75 - 125	0.2	20
Selenium	ND	P7	0.0500	0.0487		mg/L		97	75 - 125	0.8	20
Silver	ND	P7	0.0500	0.0494		mg/L		99	75 - 125	2	20

Method: SW846 7470A - Dissolved Mercury by EPA Methods 7470A/7471A

Lab Sample ID: 11K0337-BLK1 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 11K0337 — **Prep Batch: 11K0337_P**

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.000200		mg/L		11/02/11 08:35	11/02/11 14:44	1.00

Lab Sample ID: 11K0337-BS1 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 11K0337 — **Prep Batch: 11K0337_P**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00100	0.000817		mg/L		82	80 - 120

Lab Sample ID: 11K0337-MS1 — **Client Sample ID: SB-2GW**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 11K0337 — **Prep Batch: 11K0337_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Result	Matrix Spike Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	ND	M8 P7	0.00100	0.000140	M8	mg/L		14	75 - 125

Lab Sample ID: 11K0337-MSD1 — **Client Sample ID: SB-2GW**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 11K0337 — **Prep Batch: 11K0337_P**

Analyte	Sample Result	Sample Qualifier	Spike Added	Matrix Spike Dup Result	Matrix Spike Dup Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	ND	M8 P7	0.00100	0.000116	M8	mg/L		12	75 - 125	19	20

GCMS Volatiles

Analysis Batch: U019490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0285-BLK1	Method Blank	Total	Water	SW846 8260B	11K0285_P
11K0285-BS1	Lab Control Sample	Total	Water	SW846 8260B	11K0285_P
11K0285-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	11K0285_P
11K0285-MS1	SB-1GW	Total	Water	SW846 8260B	11K0285_P
11K0285-MSD1	SB-1GW	Total	Water	SW846 8260B	11K0285_P
NUJ3893-01	SB-1GW	Total	Ground Water	SW846 8260B	11K0285_P
NUJ3893-02	SB-2GW	Total	Ground Water	SW846 8260B	11K0285_P
NUJ3893-03	SB-3GW	Total	Ground Water	SW846 8260B	11K0285_P
NUJ3893-04	SB-4GW	Total	Ground Water	SW846 8260B	11K0285_P
NUJ3893-05	SB-5GW	Total	Ground Water	SW846 8260B	11K0285_P
NUJ3893-07	SB-7GW	Total	Ground Water	SW846 8260B	11K0285_P
NUJ3893-08	FB	Total	Water	SW846 8260B	11K0285_P
NUJ3893-09	DUP	Total	Ground Water	SW846 8260B	11K0285_P
NUJ3893-10	Trip Blank	Total	Water	SW846 8260B	11K0285_P

Analysis Batch: U019612

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0727-BLK1	Method Blank	Total	Water	SW846 8260B	11K0727_P
11K0727-BS1	Lab Control Sample	Total	Water	SW846 8260B	11K0727_P
11K0727-MS1	SB-2GW	Total	Water	SW846 8260B	11K0727_P
11K0727-MSD1	SB-2GW	Total	Water	SW846 8260B	11K0727_P
NUJ3893-03 - RE1	SB-3GW	Total	Ground Water	SW846 8260B	11K0727_P
NUJ3893-04 - RE1	SB-4GW	Total	Ground Water	SW846 8260B	11K0727_P
NUJ3893-06 - RE1	SB-6GW	Total	Ground Water	SW846 8260B	11K0727_P

Analysis Batch: U019683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1646-BLK1	Method Blank	Total	Water	SW846 8260B	11K1646_P
11K1646-BS1	Lab Control Sample	Total	Water	SW846 8260B	11K1646_P
11K1646-BSD1	Lab Control Sample Dup	Total	Water	SW846 8260B	11K1646_P
11K1646-MS1	SB-2GW	Total	Water	SW846 8260B	11K1646_P
11K1646-MSD1	SB-2GW	Total	Water	SW846 8260B	11K1646_P
NUJ3893-02 - RE2	SB-2GW	Total	Ground Water	SW846 8260B	11K1646_P
NUJ3893-03 - RE2	SB-3GW	Total	Ground Water	SW846 8260B	11K1646_P
NUJ3893-04 - RE2	SB-4GW	Total	Ground Water	SW846 8260B	11K1646_P
NUJ3893-05 - RE2	SB-5GW	Total	Ground Water	SW846 8260B	11K1646_P
NUJ3893-09 - RE2	DUP	Total	Ground Water	SW846 8260B	11K1646_P

Prep Batch: 11K0285_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0285-BLK1	Method Blank	Total	Water	EPA 5030B	
11K0285-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11K0285-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
11K0285-MS1	SB-1GW	Total	Water	EPA 5030B	
11K0285-MSD1	SB-1GW	Total	Water	EPA 5030B	
NUJ3893-01	SB-1GW	Total	Ground Water	EPA 5030B	
NUJ3893-02	SB-2GW	Total	Ground Water	EPA 5030B	
NUJ3893-03	SB-3GW	Total	Ground Water	EPA 5030B	
NUJ3893-04	SB-4GW	Total	Ground Water	EPA 5030B	
NUJ3893-05	SB-5GW	Total	Ground Water	EPA 5030B	
NUJ3893-07	SB-7GW	Total	Ground Water	EPA 5030B	
NUJ3893-08	FB	Total	Water	EPA 5030B	

GCMS Volatiles (Continued)

Prep Batch: 11K0285_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUJ3893-09	DUP	Total	Ground Water	EPA 5030B	
NUJ3893-10	Trip Blank	Total	Water	EPA 5030B	

Prep Batch: 11K0727_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0727-BLK1	Method Blank	Total	Water	EPA 5030B	
11K0727-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11K0727-MS1	SB-2GW	Total	Water	EPA 5030B	
11K0727-MSD1	SB-2GW	Total	Water	EPA 5030B	
NUJ3893-03 - RE1	SB-3GW	Total	Ground Water	EPA 5030B	
NUJ3893-04 - RE1	SB-4GW	Total	Ground Water	EPA 5030B	
NUJ3893-06 - RE1	SB-6GW	Total	Ground Water	EPA 5030B	

Prep Batch: 11K1646_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1646-BLK1	Method Blank	Total	Water	EPA 5030B	
11K1646-BS1	Lab Control Sample	Total	Water	EPA 5030B	
11K1646-BSD1	Lab Control Sample Dup	Total	Water	EPA 5030B	
11K1646-MS1	SB-2GW	Total	Water	EPA 5030B	
11K1646-MSD1	SB-2GW	Total	Water	EPA 5030B	
NUJ3893-02 - RE2	SB-2GW	Total	Ground Water	EPA 5030B	
NUJ3893-03 - RE2	SB-3GW	Total	Ground Water	EPA 5030B	
NUJ3893-04 - RE2	SB-4GW	Total	Ground Water	EPA 5030B	
NUJ3893-05 - RE2	SB-5GW	Total	Ground Water	EPA 5030B	
NUJ3893-09 - RE2	DUP	Total	Ground Water	EPA 5030B	

GCMS Semivolatiles

Analysis Batch: 11J7397

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J7397-BLK1	Method Blank	Total	Water	SW846 8270CSIM	11J7397_P
11J7397-BS1	Lab Control Sample	Total	Water	SW846 8270CSIM	11J7397_P
11J7397-BSD1	Lab Control Sample Dup	Total	Water	SW846 8270CSIM	11J7397_P
NUJ3893-08	FB	Total	Water	SW846 8270CSIM	11J7397_P

Analysis Batch: 11K0709

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0709-BLK1	Method Blank	Total	Water	SW846 8270CSIM	11K0709_P
11K0709-BS1	Lab Control Sample	Total	Water	SW846 8270CSIM	11K0709_P
NUJ3893-01 - RE1	SB-1GW	Total	Ground Water	SW846 8270CSIM	11K0709_P
NUJ3893-02 - RE1	SB-2GW	Total	Ground Water	SW846 8270CSIM	11K0709_P
NUJ3893-03 - RE1	SB-3GW	Total	Ground Water	SW846 8270CSIM	11K0709_P
NUJ3893-03 - RE2	SB-3GW	Total	Ground Water	SW846 8270CSIM	11K0709_P
NUJ3893-04 - RE1	SB-4GW	Total	Ground Water	SW846 8270CSIM	11K0709_P

GCMS Semivolatiles (Continued)

Analysis Batch: 11K0709 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUJ3893-04 - RE2	SB-4GW	Total	Ground Water	SW846 8270CSIM	11K0709_P
NUJ3893-05 - RE1	SB-5GW	Total	Ground Water	SW846 8270CSIM	11K0709_P
NUJ3893-05 - RE2	SB-5GW	Total	Ground Water	SW846 8270CSIM	11K0709_P
NUJ3893-06 - RE1	SB-6GW	Total	Ground Water	SW846 8270CSIM	11K0709_P
NUJ3893-07 - RE1	SB-7GW	Total	Ground Water	SW846 8270CSIM	11K0709_P
NUJ3893-09 - RE1	DUP	Total	Ground Water	SW846 8270CSIM	11K0709_P
NUJ3893-09 - RE2	DUP	Total	Ground Water	SW846 8270CSIM	11K0709_P

Prep Batch: 11J7397_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J7397-BLK1	Method Blank	Total	Water	EPA 3510C	
11J7397-BS1	Lab Control Sample	Total	Water	EPA 3510C	
11J7397-BSD1	Lab Control Sample Dup	Total	Water	EPA 3510C	
NUJ3893-08	FB	Total	Water	EPA 3510C	

Prep Batch: 11K0709_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0709-BLK1	Method Blank	Total	Water	EPA 3510C	
11K0709-BS1	Lab Control Sample	Total	Water	EPA 3510C	
NUJ3893-01 - RE1	SB-1GW	Total	Ground Water	EPA 3510C	
NUJ3893-02 - RE1	SB-2GW	Total	Ground Water	EPA 3510C	
NUJ3893-03 - RE1	SB-3GW	Total	Ground Water	EPA 3510C	
NUJ3893-03 - RE2	SB-3GW	Total	Ground Water	EPA 3510C	
NUJ3893-04 - RE1	SB-4GW	Total	Ground Water	EPA 3510C	
NUJ3893-04 - RE2	SB-4GW	Total	Ground Water	EPA 3510C	
NUJ3893-05 - RE1	SB-5GW	Total	Ground Water	EPA 3510C	
NUJ3893-05 - RE2	SB-5GW	Total	Ground Water	EPA 3510C	
NUJ3893-06 - RE1	SB-6GW	Total	Ground Water	EPA 3510C	
NUJ3893-07 - RE1	SB-7GW	Total	Ground Water	EPA 3510C	
NUJ3893-09 - RE1	DUP	Total	Ground Water	EPA 3510C	
NUJ3893-09 - RE2	DUP	Total	Ground Water	EPA 3510C	

HPLC

Analysis Batch: U019539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1439-BLK1	Method Blank	Total	Water	SW846 9056	11K1439_P
11K1439-BS1	Lab Control Sample	Total	Water	SW846 9056	11K1439_P
11K1439-BSD1	Lab Control Sample Dup	Total	Water	SW846 9056	11K1439_P
11K1439-DUP1	Duplicate	Total	Water	SW846 9056	11K1439_P
11K1439-MS1	Matrix Spike	Total	Water	SW846 9056	11K1439_P
11K1439-MSD1	Matrix Spike Duplicate	Total	Water	SW846 9056	11K1439_P
NUJ3893-01 - RE1	SB-1GW	Total	Ground Water	SW846 9056	11K1439_P
NUJ3893-03 - RE1	SB-3GW	Total	Ground Water	SW846 9056	11K1439_P
NUJ3893-04 - RE1	SB-4GW	Total	Ground Water	SW846 9056	11K1439_P
NUJ3893-06 - RE1	SB-6GW	Total	Ground Water	SW846 9056	11K1439_P
NUJ3893-07 - RE1	SB-7GW	Total	Ground Water	SW846 9056	11K1439_P

QC Association Summary

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

HPLC (Continued)

Analysis Batch: U019539 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUJ3893-08 - RE1	FB	Total	Water	SW846 9056	11K1439_P

Analysis Batch: U019604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1481-BLK1	Method Blank	Total	Water	SW846 9056	11K1481_P
11K1481-BS1	Lab Control Sample	Total	Water	SW846 9056	11K1481_P
11K1481-BSD1	Lab Control Sample Dup	Total	Water	SW846 9056	11K1481_P
NUJ3893-02 - RE2	SB-2GW	Total	Ground Water	SW846 9056	11K1481_P
NUJ3893-05 - RE2	SB-5GW	Total	Ground Water	SW846 9056	11K1481_P
NUJ3893-06 - RE2	SB-6GW	Total	Ground Water	SW846 9056	11K1481_P
NUJ3893-09 - RE2	DUP	Total	Ground Water	SW846 9056	11K1481_P

Prep Batch: 11K1439_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1439-BLK1	Method Blank	Total	Water	Method Prep (IC)	
11K1439-BS1	Lab Control Sample	Total	Water	Method Prep (IC)	
11K1439-BSD1	Lab Control Sample Dup	Total	Water	Method Prep (IC)	
11K1439-DUP1	Duplicate	Total	Water	Method Prep (IC)	
11K1439-MS1	Matrix Spike	Total	Water	Method Prep (IC)	
11K1439-MSD1	Matrix Spike Duplicate	Total	Water	Method Prep (IC)	
NUJ3893-01 - RE1	SB-1GW	Total	Ground Water	Method Prep (IC)	
NUJ3893-03 - RE1	SB-3GW	Total	Ground Water	Method Prep (IC)	
NUJ3893-04 - RE1	SB-4GW	Total	Ground Water	Method Prep (IC)	
NUJ3893-06 - RE1	SB-6GW	Total	Ground Water	Method Prep (IC)	
NUJ3893-07 - RE1	SB-7GW	Total	Ground Water	Method Prep (IC)	
NUJ3893-08 - RE1	FB	Total	Water	Method Prep (IC)	

Prep Batch: 11K1481_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K1481-BLK1	Method Blank	Total	Water	Method Prep (IC)	
11K1481-BS1	Lab Control Sample	Total	Water	Method Prep (IC)	
11K1481-BSD1	Lab Control Sample Dup	Total	Water	Method Prep (IC)	
NUJ3893-02 - RE2	SB-2GW	Total	Ground Water	Method Prep (IC)	
NUJ3893-05 - RE2	SB-5GW	Total	Ground Water	Method Prep (IC)	
NUJ3893-06 - RE2	SB-6GW	Total	Ground Water	Method Prep (IC)	
NUJ3893-09 - RE2	DUP	Total	Ground Water	Method Prep (IC)	

Metals

Analysis Batch: 11K0337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0337-BLK1	Method Blank	Dissolved	Water	SW846 7470A	11K0337_P
11K0337-BS1	Lab Control Sample	Dissolved	Water	SW846 7470A	11K0337_P
11K0337-MS1	SB-2GW	Dissolved	Water	SW846 7470A	11K0337_P
11K0337-MSD1	SB-2GW	Dissolved	Water	SW846 7470A	11K0337_P
11K0337-PS1	SB-2GW	Dissolved	Water	SW846 7470A	11K0337_P
NUJ3893-01	SB-1GW	Dissolved	Ground Water	SW846 7470A	11K0337_P
NUJ3893-02	SB-2GW	Dissolved	Ground Water	SW846 7470A	11K0337_P
NUJ3893-03	SB-3GW	Dissolved	Ground Water	SW846 7470A	11K0337_P
NUJ3893-04	SB-4GW	Dissolved	Ground Water	SW846 7470A	11K0337_P
NUJ3893-05	SB-5GW	Dissolved	Ground Water	SW846 7470A	11K0337_P
NUJ3893-06	SB-6GW	Dissolved	Ground Water	SW846 7470A	11K0337_P

QC Association Summary

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Metals (Continued)

Analysis Batch: 11K0337 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUJ3893-07	SB-7GW	Dissolved	Ground Water	SW846 7470A	11K0337_P
NUJ3893-08	FB	Dissolved	Water	SW846 7470A	11K0337_P
NUJ3893-09	DUP	Dissolved	Ground Water	SW846 7470A	11K0337_P

Analysis Batch: 11K0631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0631-BLK1	Method Blank	Dissolved	Water	SW846 6010B	11K0631_P
11K0631-BS1	Lab Control Sample	Dissolved	Water	SW846 6010B	11K0631_P
11K0631-MS1	SB-1GW	Dissolved	Water	SW846 6010B	11K0631_P
11K0631-MSD1	SB-1GW	Dissolved	Water	SW846 6010B	11K0631_P
NUJ3893-01	SB-1GW	Dissolved	Ground Water	SW846 6010B	11K0631_P
NUJ3893-02	SB-2GW	Dissolved	Ground Water	SW846 6010B	11K0631_P
NUJ3893-03	SB-3GW	Dissolved	Ground Water	SW846 6010B	11K0631_P
NUJ3893-04	SB-4GW	Dissolved	Ground Water	SW846 6010B	11K0631_P
NUJ3893-05	SB-5GW	Dissolved	Ground Water	SW846 6010B	11K0631_P
NUJ3893-06	SB-6GW	Dissolved	Ground Water	SW846 6010B	11K0631_P
NUJ3893-07	SB-7GW	Dissolved	Ground Water	SW846 6010B	11K0631_P
NUJ3893-08	FB	Dissolved	Water	SW846 6010B	11K0631_P
NUJ3893-09	DUP	Dissolved	Ground Water	SW846 6010B	11K0631_P

Prep Batch: 11K0337_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0337-BLK1	Method Blank	Dissolved	Water	EPA 7470	
11K0337-BS1	Lab Control Sample	Dissolved	Water	EPA 7470	
11K0337-MS1	SB-2GW	Dissolved	Water	EPA 7470	
11K0337-MSD1	SB-2GW	Dissolved	Water	EPA 7470	
11K0337-PS1	SB-2GW	Dissolved	Water	EPA 7470	
NUJ3893-01	SB-1GW	Dissolved	Ground Water	EPA 7470	
NUJ3893-02	SB-2GW	Dissolved	Ground Water	EPA 7470	
NUJ3893-03	SB-3GW	Dissolved	Ground Water	EPA 7470	
NUJ3893-04	SB-4GW	Dissolved	Ground Water	EPA 7470	
NUJ3893-05	SB-5GW	Dissolved	Ground Water	EPA 7470	
NUJ3893-06	SB-6GW	Dissolved	Ground Water	EPA 7470	
NUJ3893-07	SB-7GW	Dissolved	Ground Water	EPA 7470	
NUJ3893-08	FB	Dissolved	Water	EPA 7470	
NUJ3893-09	DUP	Dissolved	Ground Water	EPA 7470	

Prep Batch: 11K0631_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11K0631-BLK1	Method Blank	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K0631-BS1	Lab Control Sample	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K0631-MS1	SB-1GW	Dissolved	Water	EPA 3010A / 6010 Dissolved	
11K0631-MSD1	SB-1GW	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NUJ3893-01	SB-1GW	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NUJ3893-02	SB-2GW	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NUJ3893-03	SB-3GW	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

Metals (Continued)

Prep Batch: 11K0631_P (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUJ3893-04	SB-4GW	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NUJ3893-05	SB-5GW	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NUJ3893-06	SB-6GW	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NUJ3893-07	SB-7GW	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	
NUJ3893-08	FB	Dissolved	Water	EPA 3010A / 6010 Dissolved	
NUJ3893-09	DUP	Dissolved	Ground Water	EPA 3010A / 6010 Dissolved	

Lab Chronicle

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-1GW

Date Collected: 10/28/11 09:10
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-01
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K0285_P	11/03/11 08:13	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U019490	11/03/11 14:46	MLG	TAL NSH
Total	Prep	EPA 3510C	RE1	0.962	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE1	1.00	11K0709	11/04/11 17:36	CLJ	TAL NSH
Total	Prep	Method Prep (IC)	RE1	1.00	11K1439_P	11/05/11 15:01	AMC	TAL NSH
Total	Analysis	SW846 9056	RE1	1.00	U019539	11/05/11 16:12	RKB	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K0631_P	11/03/11 06:56	CAT	TAL NSH
Dissolved	Analysis	SW846 6010B		1.00	11K0631	11/05/11 06:03	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K0337_P	11/02/11 08:35	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K0337	11/02/11 14:48	DEB	TAL NSH

Client Sample ID: SB-2GW

Date Collected: 10/28/11 10:15
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-02
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K0285_P	11/03/11 08:13	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U019490	11/03/11 15:12	MLG	TAL NSH
Total	Prep	EPA 5030B	RE2	1.00	11K1646_P	11/07/11 08:02	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE2	100	U019683	11/07/11 14:57	MLG	TAL NSH
Total	Prep	EPA 3510C	RE1	0.971	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE1	1.00	11K0709	11/04/11 17:57	CLJ	TAL NSH
Total	Prep	Method Prep (IC)	RE2	1.00	11K1481_P	11/06/11 11:13	AMC	TAL NSH
Total	Analysis	SW846 9056	RE2	5.00	U019604	11/07/11 06:50	AMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K0631_P	11/03/11 06:56	CAT	TAL NSH
Dissolved	Analysis	SW846 6010B		1.00	11K0631	11/05/11 06:12	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K0337_P	11/02/11 08:35	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K0337	11/02/11 14:51	DEB	TAL NSH

Client Sample ID: SB-3GW

Date Collected: 10/28/11 10:30
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-03
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K0285_P	11/03/11 08:13	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U019490	11/03/11 17:50	MLG	TAL NSH
Total	Prep	EPA 5030B	RE1	1.00	11K0727_P	11/04/11 08:21	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	10.0	U019612	11/04/11 17:40	MLG	TAL NSH
Total	Prep	EPA 5030B	RE2	1.00	11K1646_P	11/07/11 08:02	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE2	100	U019683	11/07/11 15:23	MLG	TAL NSH
Total	Prep	EPA 3510C	RE1	0.980	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE1	1.00	11K0709	11/04/11 18:18	CLJ	TAL NSH
Total	Prep	EPA 3510C	RE2	0.980	11K0709_P	11/03/11 13:30	MSR	TAL NSH

Lab Chronicle

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-3GW

Date Collected: 10/28/11 10:30
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-03
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Analysis	SW846 8270CSIM	RE2	20.0	11K0709	11/06/11 17:10	CLJ	TAL NSH
Total	Prep	Method Prep (IC)	RE1	1.00	11K1439_P	11/05/11 15:01	AMC	TAL NSH
Total	Analysis	SW846 9056	RE1	1.00	U019539	11/05/11 16:46	RKB	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K0631_P	11/03/11 06:56	CAT	TAL NSH
Dissolved	Analysis	SW846 6010B		1.00	11K0631	11/05/11 06:15	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K0337_P	11/02/11 08:35	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K0337	11/02/11 14:57	DEB	TAL NSH

Client Sample ID: SB-4GW

Date Collected: 10/28/11 10:50
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-04
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K0285_P	11/03/11 08:13	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U019490	11/03/11 15:39	MLG	TAL NSH
Total	Prep	EPA 5030B	RE1	1.00	11K0727_P	11/04/11 08:21	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	10.0	U019612	11/04/11 16:21	MLG	TAL NSH
Total	Prep	EPA 5030B	RE2	1.00	11K1646_P	11/07/11 08:02	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE2	100	U019683	11/07/11 15:49	MLG	TAL NSH
Total	Prep	EPA 3510C	RE1	0.980	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE1	1.00	11K0709	11/04/11 18:39	CLJ	TAL NSH
Total	Prep	EPA 3510C	RE2	0.980	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE2	5.00	11K0709	11/06/11 17:32	CLJ	TAL NSH
Total	Prep	Method Prep (IC)	RE1	1.00	11K1439_P	11/05/11 15:01	AMC	TAL NSH
Total	Analysis	SW846 9056	RE1	1.00	U019539	11/05/11 17:04	RKB	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K0631_P	11/03/11 06:56	CAT	TAL NSH
Dissolved	Analysis	SW846 6010B		1.00	11K0631	11/05/11 06:18	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K0337_P	11/02/11 08:35	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K0337	11/02/11 15:00	DEB	TAL NSH

Client Sample ID: SB-5GW

Date Collected: 10/28/11 11:45
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-05
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K0285_P	11/03/11 08:13	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U019490	11/03/11 16:05	MLG	TAL NSH
Total	Prep	EPA 5030B	RE2	1.00	11K1646_P	11/07/11 08:02	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE2	100	U019683	11/07/11 16:15	MLG	TAL NSH
Total	Prep	EPA 3510C	RE1	0.980	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE1	1.00	11K0709	11/04/11 19:01	CLJ	TAL NSH
Total	Prep	EPA 3510C	RE2	0.980	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE2	10.0	11K0709	11/06/11 17:53	CLJ	TAL NSH

Lab Chronicle

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: SB-5GW

Date Collected: 10/28/11 11:45
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-05
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	Method Prep (IC)	RE2	1.00	11K1481_P	11/06/11 11:13	AMC	TAL NSH
Total	Analysis	SW846 9056	RE2	10.0	U019604	11/07/11 07:07	AMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K0631_P	11/03/11 06:56	CAT	TAL NSH
Dissolved	Analysis	SW846 6010B		1.00	11K0631	11/05/11 06:34	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K0337_P	11/02/11 08:35	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K0337	11/02/11 15:07	DEB	TAL NSH

Client Sample ID: SB-6GW

Date Collected: 10/28/11 11:05
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-06
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B	RE1	1.00	11K0727_P	11/04/11 08:21	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE1	1.00	U019612	11/04/11 14:36	MLG	TAL NSH
Total	Prep	EPA 3510C	RE1	0.971	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE1	1.00	11K0709	11/04/11 19:22	CLJ	TAL NSH
Total	Prep	Method Prep (IC)	RE1	1.00	11K1439_P	11/05/11 15:01	AMC	TAL NSH
Total	Analysis	SW846 9056	RE1	1.00	U019539	11/05/11 17:55	RKB	TAL NSH
Total	Prep	Method Prep (IC)	RE2	1.00	11K1481_P	11/06/11 11:13	AMC	TAL NSH
Total	Analysis	SW846 9056	RE2	10.0	U019604	11/07/11 07:24	AMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K0631_P	11/03/11 06:56	CAT	TAL NSH
Dissolved	Analysis	SW846 6010B		1.00	11K0631	11/05/11 06:37	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K0337_P	11/02/11 08:35	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K0337	11/02/11 15:09	DEB	TAL NSH

Client Sample ID: SB-7GW

Date Collected: 10/28/11 11:20
Date Received: 10/29/11 08:20

Lab Sample ID: NUJ3893-07
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K0285_P	11/03/11 08:13	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U019490	11/03/11 16:57	MLG	TAL NSH
Total	Prep	EPA 3510C	RE1	0.971	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE1	1.00	11K0709	11/04/11 19:43	CLJ	TAL NSH
Total	Prep	Method Prep (IC)	RE1	1.00	11K1439_P	11/05/11 15:01	AMC	TAL NSH
Total	Analysis	SW846 9056	RE1	1.00	U019539	11/05/11 18:12	RKB	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K0631_P	11/03/11 06:56	CAT	TAL NSH
Dissolved	Analysis	SW846 6010B		1.00	11K0631	11/05/11 06:40	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K0337_P	11/02/11 08:35	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K0337	11/02/11 15:11	DEB	TAL NSH

Lab Chronicle

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Client Sample ID: FB

Lab Sample ID: NUJ3893-08

Date Collected: 10/28/11 12:25
Matrix: Water
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K0285_P	11/03/11 08:13	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U019490	11/03/11 13:54	MLG	TAL NSH
Total	Prep	EPA 3510C		0.962	11J7397_P	11/01/11 07:20	JJR	TAL NSH
Total	Analysis	SW846 8270CSIM		1.00	11J7397	11/02/11 06:49	CLJ	TAL NSH
Total	Prep	Method Prep (IC)	RE1	1.00	11K1439_P	11/05/11 15:01	AMC	TAL NSH
Total	Analysis	SW846 9056	RE1	1.00	U019539	11/05/11 18:29	RKB	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K0631_P	11/03/11 06:56	CAT	TAL NSH
Dissolved	Analysis	SW846 6010B		1.00	11K0631	11/05/11 06:43	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K0337_P	11/02/11 08:35	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K0337	11/02/11 15:13	DEB	TAL NSH

Client Sample ID: DUP

Lab Sample ID: NUJ3893-09

Date Collected: 10/28/11 00:01
Matrix: Ground Water
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K0285_P	11/03/11 08:13	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U019490	11/03/11 17:23	MLG	TAL NSH
Total	Prep	EPA 5030B	RE2	1.00	11K1646_P	11/07/11 08:02	TSP	TAL NSH
Total	Analysis	SW846 8260B	RE2	100	U019683	11/07/11 16:41	MLG	TAL NSH
Total	Prep	EPA 3510C	RE1	0.962	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE1	1.00	11K0709	11/04/11 20:05	CLJ	TAL NSH
Total	Prep	EPA 3510C	RE2	0.962	11K0709_P	11/03/11 13:30	MSR	TAL NSH
Total	Analysis	SW846 8270CSIM	RE2	10.0	11K0709	11/09/11 14:06	CLJ	TAL NSH
Total	Prep	Method Prep (IC)	RE2	1.00	11K1481_P	11/06/11 11:13	AMC	TAL NSH
Total	Analysis	SW846 9056	RE2	10.0	U019604	11/07/11 07:41	AMC	TAL NSH
Dissolved	Prep	EPA 3010A / 6010 Dissolved		1.00	11K0631_P	11/03/11 06:56	CAT	TAL NSH
Dissolved	Analysis	SW846 6010B		1.00	11K0631	11/05/11 06:46	AVR	TAL NSH
Dissolved	Prep	EPA 7470		1.00	11K0337_P	11/02/11 08:35	DEB	TAL NSH
Dissolved	Analysis	SW846 7470A		1.00	11K0337	11/02/11 15:15	DEB	TAL NSH

Client Sample ID: Trip Blank

Lab Sample ID: NUJ3893-10

Date Collected: 10/28/11 00:01
Matrix: Water
Date Received: 10/29/11 08:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total	Prep	EPA 5030B		1.00	11K0285_P	11/03/11 08:13	TSP	TAL NSH
Total	Analysis	SW846 8260B		1.00	U019490	11/03/11 13:01	MLG	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Method	Method Description	Protocol	Laboratory
SW846 8260B	Volatile Organic Compounds by EPA Method 8260B		TAL NSH
SW846 8270CSIM	Polyaromatic Hydrocarbons by EPA 8270C SIM		TAL NSH
SW846 9056	General Chemistry Parameters		TAL NSH
SW846 6010B	Dissolved Metals by EPA Method 6010B		TAL NSH
SW846 7470A	Dissolved Mercury by EPA Methods 7470A/7471A		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

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Certification Summary

Client: GES Stafford - Exxon (10341)
Project/Site: Gladiola Station - Lea County, NM

TestAmerica Job ID: NUJ3893

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA - LAP	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Klingensmith, Leah

From: Ryan F. Carroll [RCarroll@gesonline.com]
Sent: Tuesday, November 01, 2011 3:18 PM
To: Klingensmith, Leah
Subject: RE: TestAmerica Nashville Project: Exxon Gladiola Station

Leah,

We would like dissolved metals. Can you filter in lab and then place in NO3?

Thanks, Ryan

-----Original Message-----
From: Klingensmith, Leah [mailto:Leah.Klingensmith@testamericainc.com]
Sent: Tuesday, November 01, 2011 3:06 PM
To: Ryan F. Carroll
Subject: RE: TestAmerica Nashville Project: Exxon Gladiola Station

Will do. For NUJ3893, we only received unpreserved containers. Did you want the lab to preserve in order to run total metals?

LEAH R. KLINGENSMITH

Senior Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton

Nashville, TN 37204

Tel 615-301-5038

www.testamericainc.com

-----Original Message-----
From: Ryan F. Carroll [mailto:RCarroll@gesonline.com]
Sent: Tuesday, November 01, 2011 11:29 AM
To: Klingensmith, Leah
Subject: RE: TestAmerica Nashville Project: Exxon Gladiola Station

Leah,

Can you let me know once you have the total lead results for the waste soil sample. If total lead for soil is 100 mg/kg or greater, please run a TCLP lead.

Thanks, Ryan

-----Original Message-----
From: Element Mail [mailto:elmmail@testamericainc.com]
Sent: Monday, October 31, 2011 3:20 PM
To: Ryan F. Carroll
Cc: leah.klingensmith@testamericainc.com

Subject: TestAmerica Nashville Project: Exxon Gladiola Station

This is an automated email message from the Element DataSystem(r) LIMS at TestAmerica Nashville. If you have any questions about this email or if this email has been sent to you in error, please contact:

TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
800-765-0980 Phone
615-726-3404 Fax

Submitting Client: GES Stafford - Exxon (10341)
Project Name: Exxon Gladiola Station

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RE

NUJ3893

Cooler Received/Opened On 10/29/2011 @ 0820

1. Tracking # 1867 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 1.9 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: one front

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA DAB 28-11

I certify that I opened the cooler and answered questions 1-6 (intial) DA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # 2

I certify that I unloaded the cooler and answered questions 7-14 (intial) JG

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) JG

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JG

I certify that I attached a label with the unique LIMS number to each container (intial) JG

21. Were there Non-Conformance issues at login? YES..NO Was a PIPE generated? YES..NO..#6417

10/29/11 10/29/11

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
Revised 6/24/11

11/12/2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

NUJ3893
11/14/11 23:59

Mobil

Consultant: GES Stafford - Exxon (10341)
Address: 13003 SW Freeway, Suite 190
City, State, Zip: Stafford TX 77477
ExxonMobil Project Mgr: Joe Ibanez (inv.)
Consultant Project Mgr: Ryan Carroll
Consultant Telephone #: (888) 540-0804 Fax: (281) 494-0496
Sampler Name (Print): Ryan Francis
SamplerSignature:

TA Account #: 1409738 PO #:
Invoice to: ExxonMobil Corporation (80110)
Report to: Ryan Carroll
Project Name: Exxon Gladiola Station
Retail Project (MRN): Gladiola
Major Project (AFE): E5.2003.38111.V.01.08
Site Address:
City,State,Zip: Tatum New Mexico

	Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: VOC 8260B	PAHs 8270C	(LCLA & metals	Sulfide via 9034C	Chloride via 9056C	RUSH TAT (Pre Schedule)*	TAT request in Bus Days	Fax Results (Yes or No)
1	SB-1GW	10/26/11	0910	8	X					X					X	X						X	X	X	X	X			
2	SB-2GW		1015	8	X																								
3	SB-3GW		1030	8	X																								
4	SB-4GW		1050	8	X																								
5	SB-5GW		1145	8	X																								
6	SB-6GW		1105	8	X																								
7	SB-7GW		1120	8	X																								
8	FB		1225	8	X																X								
9	DUP		—	8	X																								
10	Trip Blanks																				X								

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager_____ Date:_____
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 26850

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
	10/26/11	1825						
Shipped Via: FedEx			Shipped Via:			QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)		Date Due of Report:
Received for TestAmerica by: TA-NSH	Date: 10/29/11	Time: 0920	Temperature Upon Receipt: 0.4, 4.0 / 0.6, 1.9	Sample Containers Intact? Y N; VOCs Free of Headspace? Y N				

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEIPT FORM

NUJ3893
11/14/11 23:59

Cooler Received/Opened On 10/29/2011 @ 0820

1. Tracking # 1845 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 14740456

2. Temperature of rep. sample or temp blank when opened: 0.4 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES (NO)...NA

4. Were custody seals on outside of cooler? (YES)...NO...NA

   If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? YES...(NO)...NA

I certify that I opened the cooler and answered questions 1-6 (intial) J.G.

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

   Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

   b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # 4

I certify that I unloaded the cooler and answered questions 7-14 (intial) J.G.

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

   b. Did the bottle labels indicate that the correct preservatives were used (YES)..NO...NA

16. Was residual chlorine present? YES..(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) J.G.

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) J.G.

I certify that I attached a label with the unique LIMS number to each container (intial) J.G.

21. Were there Non-Conformance issues at login? YES..(NO) Was a PIPE generated? YES...(NO)..#

JG 10/29/11 JG 10/29/11

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1
End of Form

Revised 6/24/09

11/12/2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

NUJ3893
11/14/11 23:59

Cooler Received/Opened On 10/29/2011 @ 0820

1. Tracking # 1889 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 4.0 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...(NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: one front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA DA 10-29-11

I certify that I opened the cooler and answered questions 1-6 (intial) DA

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated ~~correctly~~? YES...NO...(NA)

8. Packing mat'l used? ~~Bubblewrap~~ Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) JG

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions ~~15-16~~ (intial) JG

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) JG

I certify that I attached a label with the unique LIMS number to each container (intial) JG

21. Were there Non-Conformance issues at login? YES...(NO) Was a PIPE generated? YES...(NO)...# _____

10/29/11 JG 10/29/11

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1

Revised 6/24/09
11/12/2011

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

NUJ3893
11/14/11 23:59

COOLER RECEIPT FORM

Cooler Received/Opened On 10/29/2011@ 8:20

1. Tracking # 1875 (last 4 digits, FedEx)

Courier: Fedex IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 0.6 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) JH

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack (Ice (direct contact)) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence # 1

I certify that I unloaded the cooler and answered questions 7-14 (intial) J.G.

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...(NO)...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) J.G.

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was *sufficient* amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) J.G.

I certify that I attached a label with the unique LIMS number to each container (intial) J.G.

21. Were there Non-Conformance issues at login? YES...(NO) Was a PIPE generated? YES...(NO)...# _____

NO 10/24/11 NO 10/24/11

BIS = Broken in shipment
Cooler Receipt Form.doc

LF-1

Revised 6/24/09

11/12/2011

APPENDIX D

Groundwater Sampling Field Forms

FLUID LEVEL MEASUREMENTS
Project: ExxonMobil Gladiola Tank Farm
Project Site: Tatum, NM
Project No.: 3611800

Field Personnel: Jaime Peña and Ryan Francis
Weather: Sunny, west wind

Well ID	Date Gauged	Time Gauged (Central Time)	Top of Casing (TOC) Elevation (feet msl)	Depth to LNAPL (feet)	Depth to Groundwater (feet)	LNAPL Thickness (feet)	Apparent Groundwater Elevation (feet)	Total Well Depth From TOC (feet)
4" MW-22	10/12/11	0820	see gauging	—	37.90	—		47.70
4" MW-17		0823	table	—	37.10	—		48.24
4" MW-12		0825		—	37.12	—		48.40
4" MW-11		0828		—	37.60	—		48.00
MW-10		0831		—	38.30	—		42.30
MW-9		0834		—	37.66	—		43.00
MW-6		0838		—	36.14	—		41.40
4" MW-16		0840		—	35.95	—		43.10
4" MW-19		0847		—	36.08	—		44.64
4" MW-14		0851		—	35.85	—		46.00
4" MW-21		0854		—	36.29	—		48.80
4" MW-18 P		0858		—	36.26	—		44.96
4" MW-20		0906		—	36.55	—		48.04
MW-5		0910		—	36.02	—		46.50
MW-8		0						
MW-7		1037		—	33.24	—		39.19
4" MW-13 •		0919		35.45	36.90	0.95		NM
4" MW-15 •		0916		35.80	38.04	2.24		NM
MW-1 •		1051		34.05	34.60	0.55		NM
MW-3 •		1043		32.72	33.10	0.38		NM
MW-4 •		1048		33.68	34.09	0.41		NM
MW-2 •	↓	1053		36.58	39.46	2.88		NM

MW-18 Product discovered on interface probe tape but not indicated by probe

	DTP	DTW
MW-13	36.05	36.42
MW-15	36.10	36.72
MW-2	36.08	37.43
MW-3	32.80	32.84
MW-4	33.76	33.79
MW-1	34.03	34.15

Monitor Well Purging Information
Project: ExxonMobil Gladiola Station
Project Site: Gladiola, NM
Project No.: 3611800

Date: 10/12/11
Field Personnel: Jason Pena, Ryan Francis
Weather:

MONITOR WELL INFORMATION								ANALYSIS				1 Well Volume
MW Sampling Order	Well Depth	Well Diameter (in)	Screen Interval (ft)	Depth to PSH	Depth to G.W.	Total H20 purged (gal)	Total PSH bailed	VOCs via 8260B	PAHs via 8270C	Dissolved RCRA 8 metals	Chloride & Sulfate via 9056	
MW-22	~~47.20~~ 47.26	4			37.90	9	0	X	X	X	X	10.40
MW-17	~~48.24~~ 48.24	4			37.10	10	0	X	X	X	X	7.27
MW-12	48.40	~~4~~ 4			37.12	11	0	X	X	X	X	7.84
MW-11	48.00	~~4~~ 4			37.60	14	0	X	X	X	X	~~6.79~~ 6.79
MW-10	42.20	2			38.80	3	0	X	X	X	X	0.65
MW-9	43.00	2			37.66	3	0	X	X	X	X	0.87
MW-6	41.40	2			~~36.14~~ 35.95	3.25	0	X	X	X	X	0.86
MW-16	43.10	4			35.95	17	0	X	X	X	X	4.67
MW-19	44.44	4			~~36.68~~ 35.85	19	0	X	X	X	X	5.59
MW-14	46.00	4			35.85	15	0	X	X	X	X	6.03
MW-21	48.80	4			36.29	17	0	X	X	X	X	8.17
MW-18	44.96	4			~~36.26~~ 36.26	16	0	X	X	X	X	
MW-20	48.04	4			~~36.55~~ 36.55	14	0	X	X	X	X	7.49
MW-5	46.50	2			~~36.02~~ 36.02	5.25	0	X	X	X	X	1.70
MW-8	–	–						X	X	X	X	
MW-7	37.14	2			33.24	3		X	X	X	X	
MW-13	–	4		35.95	36.90	1	3	X	X	X	X	
MW-15	–	4		35.80	38.04	1	5	X	X	X	X	
MW-1	–					2	1.0	X	X	X	X	
MW-3	–					2	.50	X	X	X	X	
MW-4	–					2	.25	X	X	X	X	
MW-2	–					1	2	X	X	X	X	

NOTES:
Collect duplicate sample from MW-5 for VOCs only.
Collect standard trip blanks and field blanks to be analyzed for VOC only.

MULTIPLIERS: **0.163 for a 2" Well, 0.652 for a 4" Well, 1.167 for a 6" Well**

FORMULAS: **TD - DTW = Feet of Water (height of water column)** (_____ - _____) = _____ **Feet of Water**
WV = Feet of Water * Multiplier = _____ x _____ = _____ **Gallons**
3WV = _____ * 3 = _____ **Gallons**

COMMENTS: _____

COMPLETED: _____ _____
GES Staff Date

FLUID LEVEL MEASUREMENTS
Project: ExxonMobil Gladiola Tank Farm
Project Site: Tatum, NM
Project No.: 3612322

Field Personnel: Jaime Peña / Dylan Shaw
Weather:

MW-22	2/22/12	7.52	see gauging	—	38.24			47.63
MW-17		7.56	table	—	37.40			48.25
MW-12		8.00		—	37.46			48.30
MW-11		8.01		—	38.04			48.03
MW-10		8.03		—	38.83			42.04
MW-9		8.07		—	38.49			43.93
MW-6		8.10		—	38.45			41.45
MW-16		8.13		—	36.45			43.37
MW-19		8.14		—	37.41			44.65
MW-14		8.15		—	36.19			45.95
MW-26		8.16		—	37.28			45.40
MW-21		8.17		—	36.75			48.31
MW-23		8.20		—	36.77			46.75
MW-20		8.23		—	37.09			48.00
MW-25		8.26		—	37.00			44.34
MW-24		8.28		35.70	35.74			44.73
MW-18		8.30		36.58	36.59			44.88
MW-5		8.34		—	36.85			46.60
MW-8		8.35		33.38	33.40			37.75
MW-7		8.36		—	34.20			39.40
MW-13		8.37		37.10	37.78			
MW-15		8.40		36.09	38.41			
MW-1		8.44		34.40	34.85			
MW-3		8.47		33.11	33.30			
MW-4		8.49		34.02	34.58			
MW-2		8.50		36.93	39.73			

Monitor Well Purging Information
Project: ExxonMobil Gladiola Station
Project Site: Gladiola, NM
Project No.: 3612322

Date: 2/22/12
Field Personnel: Jaime Peña / Dylan Shaw
Weather:

MONITOR WELL INFORMATION								ANALYSIS				
MW Sampling Order	Well Depth	Well Diameter (in)	Screen Interval (ft)	Depth to PSH	Depth to G.W.	Total H20 purged (gal)	Total PSH bailed	VOCs via 8260B	PAHs via 8270C SIM	Dissolved RCRA 8 metals	Dissolved Barium & Chromium	Purge time
✓ MW-22	49.63	4		—	38.26	19	—	X	X		X	850
✓ MW-17	48.25	4		—	37.40	22	—	X			X	900
✓ MW-12	48.30	4		—	37.46	22	—	X	X		X	912
✓ MW-11	48.03	4		—	38.05	19	—	X			X	923
✓ MW-10	42.04	2		—	38.83	1	—	X			X	924
✓ MW-9	43.93	2		—	38.49	1	—	X	X		X	925
✓ MW-6	41.45	2		—	38.65	1	—	X			X	927
✓ MW-16	43.37	4		—	36.45	14	—	X	X		X	950
✓ MW-19	44.65	4		—	37.41	15	—	X			X	1015
✓ MW-14	45.95	4		—	36.19	20	—	X	X		X	1030
✓ MW-26	~~37.28~~ 45.40	2		—	37.28	14	—	X	X	X		1053
✓ MW-21	48.31	4		—	36.75	23	—	X			X	1104
✓ MW-23	46.75	2		—	36.77	5	—	X	X	X		1112
✓ MW-20	48.00	4		—	37.09	21	—	X	X		X	1124
✓ MW-25	44.34	2		—	37.00	4	—	X	X	X		1133
✓ MW-24	43.73	2		35.70	35.74	1	1	X	X	X		1145
✓ MW-18	44.88	2		36.58	36.59	1	1	X			X	1156
✓ MW-5	46.40	2		~~36.85~~	36.85	5		X			X	1208
✓ MW-8	37.75	2		~~37.38~~	38.40	4		X			X	1220
✓ MW-7	39.40	2		~~34.20~~	34.20	5		X			X	1234
✓ MW-13	—	4		~~36.10~~	37.78	1		X			X	1240
✓ MW-15	—	4		~~36.09~~	38.41	1		X			X	1253
✓ MW-1	—	2		34.40	34.85	1		X			X	1258
✓ MW-3	—	2		33.11	33.30	1		X			X	800
✓ MW-4	—	2		34.02	34.58	1		X			X	1310
✓ MW-2		2		34.93	39.73	2		X			X	1325
NOTES:								all	10	4	22	

Collect duplicate sample from MW-5.
Collect standard trip blanks and field blanks to be analyzed for VOC only.
Do not sample wells with visual product.
MULTIPLIERS: 0.163 for a 2" Well, 0.652 for a 4" Well, 1.167 for a 6" Well

FORMULAS: **TD - DTW = Feet of Water (height of water column) (_____ - _____) = _____ Feet of Water**
WV = Feet of Water * Multiplier = _____ x _____ = _____ Gallons
3WV = _____ * 3 = _____ Gallons

FLUID LEVEL MEASUREMENTS
Project: ExxonMobil Gladiola Tank Farm
Project Site: Tatum, NM
Project No.: 3692322

Field Personnel: Dylan Shaw
Weather: 70s, overcast w/ scattered showers

MW-22	7/17/12	930	see gauging	—	38.60	—		47.80
MW-17		935	table	—	37.75	—		48.03
MW-12		940		—	37.90	—		48.35
MW-11		945		—	38.26	—		48.02
MW-10		950		—	38.96	—		42.30
MW-9		1000		—	38.30	—		43.00
MW-6		1005		—	36.78	—		41.30
MW-16		1010		—	36.65	—		43.31
MW-19		1015		—	36.81	—		44.65
MW-14		1020		—	36.54	—		46.20
MW-26		1025		—	37.90	—		45.40
MW-21		1030		—	36.95	—		48.24
MW-23		1035		—	37.13	—		46.70
MW-20		1040		—	27.31	—		47.90
MW-25		1045		37.32	37.84			—
MW-24		1050		35.55	39.70			—
MW-18		~~1055~~		36.90	37.30			—
MW-5		1105		—	36.70	—		46.48
MW-8		~~1105~~ 1110		33.61	33.80			—
MW-7		~~1110~~ 1115		33.94	33.96			—
MW-13		1115	1120	36.35	38.85			—
MW-15		1120	1125	36.40	38.20			—
MW-1		1125	1130	34.78	35.26			—
MW-3		1130	1135	33.49	35.21			—
MW-4		1135	1140	34.24	37.54			—
MW-2		1140	1145	37.26	40.19			—

Monitor Well Purging Information
Project: ExxonMobil Gladiola Station
Project Site: Gladiola, NM
Project No.: 3692322

Date: 7.17.17
Field Personnel:
Weather:

MONITOR WELL INFORMATION								ANALYSIS			
MW Sampling Order	Well Depth	Well Diameter (in)	Screen Interval (ft)	Depth to PSH	Depth to G.W.	Total H20 purged (gal)	Total PSH bailed	VOCs via 8260B	PAHs via 8270C SIM	Dissolved RCRA 8 metals	Chloride, Sulfate, Total Alkalinity & TDS
MW-22	47.80	4		—	38.00	14	—	X	X	X	X
MW-17	48.03	4		—	37.75	16	—	X	X	X	X
MW-12	48.35	4		—	37.90	21	—	X	X	X	X
MW-11	48.02	4		—	38.26	20	—	X	X	X	X
MW-10	42.30	2		—	38.96	1	—	X	X	X	X
MW-9	43.00	2		—	38.30	1	—	X	X	X	X
MW-6	41.30	2		—	36.78	1	—	X	X	X	X
MW-16	43.31	4		—	36.65	14	—	X	X	X	X
MW-19	44.65	4		—	36.81	15	—	X	X	X	X
MW-14	40.20	4		—	36.54	19	—	X	X	X	X
MW-26	45.40	2		—	37.90	4	—	X	X	X	X
MW-21	48.24	4		—	36.95	22	—	X	X	X	X
MW-23	46.70	2		—	37.13	5	—	X	X	X	X
MW-20	47.90	4		—	27.31	41	—	X	X	X	X
MW-25	—	2		37.32	37.84	2	.25	X	X	X	X
MW-24	—	2		35.55	39.70	2	.25	X	X	X	X
MW-18	—	4		36.90	37.30	2	.25	X	X	X	X
MW-5	46.48	2		—	36.70	5	—	X	X	X	X
MW-8	—	2		33.61	33.80	2	.25	X	X	X	X
MW-7	—	2		33.94	33.96	2	.25	X	X	X	X
MW-13	—	4		36.35	38.85	2	.5	X	X	X	X
MW-15	—	4		36.40	38.20	2	.5	X	X	X	X
MW-1	—	2		34.78	35.26	2	.25	X	X	X	X
MW-3	—	2		33.49	33.80	2	.25	X	X	X	X
MW-4	—	2		34.24	35.21	2	.5	X	X	X	X
MW-2	—	2		37.26	37.64	0	.5	X	X	X	X
NOTES:					40.19			all	all	all	all

Collect duplicate sample from MW-5.
Collect standard trip blanks and field blanks to be analyzed for VOC only.
Do not sample wells with visual product.
MULTIPLIERS: **0.163 for a 2" Well, 0.652 for a 4" Well, 1.167 for a 6" Well**

FORMULAS: **TD - DTW = Feet of Water (height of water column) (_____ - _____) = _____ Feet of Water**
WV = Feet of Water * Multiplier = _____ x _____ = _____ Gallons
3WV = _____ * 3 = _____ Gallons

COMMENTS:

COMPLETED: _____ _____
GES Staff Date

FLUID LEVEL MEASUREMENTS
Project: ExxonMobil Gladiola Tank Farm
Project Site: Tatum, NM
Project No.: 3692322

Field Personnel: Jaime Peña / Dylan Shaw
Weather:

Well No.	Date Gauged	Time Gauged	Top of Casing Elevation (feet msl)	Depth to Liquid (feet)	Depth to Bottom (feet)	Liquid Thickness (feet)	Apparent Corrected Elevation (feet msl)	Total Well Depth from TOC (feet)
MW-22	10.3.12	630	see gauging	—	38.80	—	~~43.30~~	47.70
MW-17		637	table	—	38.20	—		48.20
MW-12		640		—	38.10	—		48.30
MW-11		644		—	38.50	—		48.00
MW-10		648		—	39.48	—		42.25
MW-9		653		38.30	38.40	0.10		—
MW-6		655		—	37.40	—		41.40
MW-16		701		—	37.10	—		43.40
MW-19		708		—	36.98	—		44.65
MW-14		713		—	36.90	—		46.25
MW-26		714		—	37.93	—		45.40
MW-21		721		—	37.15	—		48.00
MW-23		726		—	37.30	—		46.70
MW-20		728		—	37.48	—		48.00
MW-25		730		37.91	38.92	1.01		—
MW-24		735		35.74	40.09	4.35		—
MW-18		743		37.30	38.20	0.90		—
* MW-5		747		—	37.54	—		46.50
MW-8		755		33.70	33.96	0.26		
MW-7		800		34.15	34.16	0.01		
MW-13		803	~~[illegible]~~	36.54	39.02	2.48		—
MW-15		805		36.60	39.95	3.35		—
MW-1		812		34.97	35.42	0.45		—
MW-3		820		33.70	33.94	0.24		—
MW-4		827		34.38	36.07	1.69		—
MW-2		835		37.47	40.29	2.82		—

40.09 − 35.74 = 4.35

39.02 − 36.54 = 2.48

36.07 − 34.38 = 1.69

40.29 − 37.47 = 2.82

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time:	10-3-12 / 910
Site Name:	~~Andersen, TX~~ Okdola
Well I.D.:	MW-22
Event Purpose:	Groundwater Sampling Event
Wind Speed & Direction:	
Weather - Temp. & Conditions:	
DTW Measurement Time:	630
Initial Depth to Water from TOC, ft.:	38.80
Total Well Depth from TOC, ft.:	47.70
Depth to Sample Intake from TOC, ft.:	43
Purge Device: ~~Peristaltic Pump~~	Typhoon
Sampling Device: ~~Peristaltic Pump~~	Pump
Total Purge Time, Hrs & Min:	25
DNAPL Present (Y/N):	N
DNAPL Thickness:	N/A
LNAPL Present (Y/N):	N
LNAPL Thickness:	N/A
Depth to LNAPL:	N/A
Corrected GW Elevation for LNAPL:	N/A
TOC Elevation, ft., MSL:	
GW Elevation, ft., MSL (Equals TOC Elevation-DTW):	
Well Screen Length, ft.:	
Depth to Top of Screen, ft. BGS:	

DATE:	TIME:	Volume Purged (milliliters)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D.O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	845	1250	3887	17.04	1.12	3.50	7.40	125	128	Clear	No Odor
↓	850	↓	3891	17.72	1.14	3.54	7.43	132	99.3	↓	↓
↓	855	↓	3894	17.76	1.18	3.56	7.47	134	82.1	↓	↓
↓	900	↓	3897	17.50	1.20	3.58	7.50	137	53.2	↓	↓
↓	905	↓	3899	17.84	1.23	3.60	7.54	140	48.6	↓	↓

Total Volume Purged	6.25	In liters
Total Volume Purged (in gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons

Calibration Checks:

pH Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity
pH 7 =	STD = ____ milliSiemens/cm	STD = ____ mg/L	STD = ____ mV	STD = ____ NTU
pH 10 =	Check = ____ milliSiemens/cm	Check = ____ mg/L	Check = ____ mV	Check = ____ NTU
(check) pH 7 =	Stabilization Range = 1 or 3% (Initial Calibration Check only)	Stabilization Range = + or - 10% (Initial Calibration Check only)	Stabilization Range = + or - 10 mV (Initial Calibration Check only)	Stabilization Range = + or - 10% (Initial Calibration Check only)
Stabilization Range = + or - 0.1 Unit				

Printed Sampler Name(s) and Signature(s)

Jaime Pa[illegible] [signature]

Other Comments/Observations:

If this well is a duplicate, well duplicated is: No

If Equipment Blank was filled at this well, time of Equipment Blank is: No

If Field Blank was conducted at this well, time of Field Blank is: No

* TOC = Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10.3.12	DTW Measurement Time: 6.37	TOC Elevation, ft., MSL:	
Site Name: ~~Andrews, TX~~	Initial Depth to Water from TOC, ft.: 38.20	GW Elevation, ft., MSL (Equals TOC Elevation-DTW):	
Well I.D.: MW-17	Total Well Depth from TOC, ft.: 48.20	Well Screen Length, ft.:	
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.:	Depth to Top of Screen, ft. BGS:	
	Purge Device: ~~Peristaltic Pump~~, Typhoon Pump	DNAPL Present (Y/N): N	DNAPL Thickness: N/A
Wind Speed & Direction:	Sampling Device: Peristaltic Pump	LNAPL Present (Y/N): N	LNAPL Thickness: N/A
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min:	Depth to LNAPL: N/A	Corrected GW Elevation for LNAPL: N/A

DATE:	TIME:	Volume Purged (milliliters)	Depth to Water (TOC ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10.3.12	925	1250	38.27	18.03	1.21	10.57	7.04	-92	16.6	Clear	No Odor
↓	930	↓	38.33	18.06	1.28	10.91	7.10	-101	9.2	↓	↓
↓	935	↓	38.37	18.21	1.31	10.92	7.11	-103	8.6	↓	↓
↓	940	↓	38.40	18.23	1.34	10.94	7.12	-104	7.4	↓	↓
↓	945	↓	38.41	18.24	1.36	10.94	7.13	-105	5.3	↓	↓

Total Volume Purged	6.25	In liters
Total Volume Purged (in gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons

Calibration Checks: pH Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity
pH 7 =	STD = ___ mS/cm	STD = ___ mg/L	STD = ___ mV	STD = ___ NTUs
pH 10 =	Check = ___ mS/cm	Check = ___ mg/L	Check = ___ mV	Check = ___ NTUs
(check) pH 7 =	Acceptance Range = ±[illegible]%	Acceptance Range = ±[illegible]%	Acceptance Range = ±10 mV	Acceptance Range = ±[illegible]%
Acceptance Range = ± 0.1 units	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)

Printed Sampler Name(s) and Signature(s): [signature]

Other Comments/Observations:

If this well is a duplicate, well duplicated is No

If Equipment Blank was filled at this well, time of Equipment Blank is No

If Field Blank was conducted at this well, time of Field Blank is No

* TOC = Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12/1025	DTW Measurement Time: 640		
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 38.10		TOC Elevation, ft., MSL:
Well I.D.: MW-12	Total Well Depth from TOC, ft.: 48.30		GW Elevation, ft., MSL (Equals TOC Elevation-DTW):
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.: 45		Well Screen Length, ft.:
	Purge Device ~~Peristaltic Pump~~ Typhoon	DNAPL Present (Y/N):	DNAPL Thickness: N/A	Depth to Top of Screen, ft. BGS:
Wind Speed & Direction:	Sampling Device: ~~Peristaltic Pump~~ Pump	LNAPL Present (Y/N):	LNAPL Thickness: N/A	
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A	Corrected GW Elevation for LNAPL: N/A	

DATE:	TIME:	Volume Purged (gallons)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1000	1250	38.14	17.93	1.23	4.21	7.07	-78	900	Cloudy	No odor
	1005		38.20	17.96	1.30	4.30	7.10	-80	910		
	1010		38.21	18.02	1.34	4.34	7.11	-83	894		
	1015		38.22	18.04	1.37	4.40	7.12	-84	880		
	1020	↓	38.21	18.07	1.40	4.41	7.12	-86	810	↓	↓
↓											

Total Volume Purged	6.25	In liters	
Total Volume Purged (in gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons	

Calibration Checks: all Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity
pH 7=	STD = ____ mS/cm or uS/cm	STD = ____ mg/L	STD = ____ mV	STD = ____ NTUs
pH 10=	Check = ____ mS/cm or uS/cm	Check = ____ mg/L	Check = ____ mV	Check = ____ NTUs
(check) pH 4=	Calibration Range = +/- 5%	Calibration Range = +/- 10%	Calibration Range = +/- 10 mV	Calibration Range = +/- 10%
Calibration Range = +/- 0.1 Unit	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)

Other Comments/Observations:

If this well is a duplicate, well duplicated is ____ No ____

If Equipment Blank was filled at this well, time of Equipment Blank is ____ No ____

If Field Blank was conducted at this well, time of Field Blank is ____ NO ____

Printed Sampler Name(s) and Signature(s): Jaime Pare

* TOC = Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12/1105	DTW Measurement Time: 644		
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 38.50		TOC Elevation,ft., MSL:
Well I.D.: MW-11	Total Well Depth from TOC, ft.: 48.00		GW Elevation, ft., MSL (Equals TOC Elevation-DTW):
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.:		Well Screen Length, ft.:
	Purge Device: ~~Peristaltic Pump~~ Typhoon	DNAPL Present (Y/N):	DNAPL Thickness: N/A	Depth to Top of Screen, ft. BGS:
Wind Speed & Direction:	Sampling Device: ~~Peristaltic Pump~~ Pump	LNAPL Present (Y/N)	LNAPL Thickness: N/A	
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A	Corrected GW Elevation for LNAPL: N/A	

DATE:	TIME:	Volume Purged (milliliters)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1040	1250	38.61	18.37	2.41	4.91	6.72	78	24.9	Clear	No Odor
↓	1045	↓	38.63	18.40	2.47	4.92	6.73	80	12.8	↓	↓
	1050		38.67	18.43	2.49	4.93	6.74	81	9.2		
	1055		38.70	18.47	2.51	4.94	6.76	82	6.7		
↓	1100	↓	38.72	18.50	2.53	4.96	6.78	84	5.3	↓	↓

Total Volume Purged	6.25	In liters
Total Volume Purged (in gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons

Calibration Checks: all Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity
pH 7 -	STD = ____ mS/cm	STD = ____ mg/L	STD = ____ mV	STD = ____ NTU
pH 10 -	Check = ____ mS/cm	Check = ____ mg/L	Check = ____ mV	Check = ____ NTU
(blank) pH 4 -	Calibration Range: ____ to ____	Calibration Range: ____ to ____	Calibration Range: ____ to ____	Calibration Range: ____ to ____
Temperature Range = ____ to ____ °C	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)

Printed Sampler Name(s) and Signature(s): Jerime Parr

Other Comments/Observations:

If this well is a duplicate, well duplicated is NO

If Equipment Blank was filled at this well, name of Equipment Blank is: NO

If Field Blank was conducted at this well, name of Field Blank is: NO

* TOC = Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12/1140	DTW Measurement Time: 6.48		
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 39.48		TOC Elevation, ft., MSL:
Well I.D.: MW-10	Total Well Depth from TOC, ft.: 42.25		GW Elevation, ft., MSL (Equals TOC Elevation-DTW)
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.:		Well Screen Length, ft.:
	Purge Device ~~Peristaltic Pump~~ Typhoon	DNAPL Present (Y/N):	DNAPL Thickness: N/A	Depth to Top of Screen, ft. BGS:
Wind Speed & Direction:	Sampling Device: Peristaltic Pump Pump	LNAPL Present (Y/N):	LNAPL Thickness: N/A	
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A	Corrected GW Elevation for LNAPL: N/A	

DATE:	TIME:	Volume Purged (gallons)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1115	1250	39.52	18.17	2.14	4.13	6.84	43	752	Cloudy	No Odor
	1120		39.63	18.21	2.17	4.17	7.00	48	818		
	1125		39.64	18.23	2.20	4.20	7.01	50	800		
	1130		39.68	18.27	2.21	4.21	7.02	52	763		
↓	1135	↓	39.71	18.30	2.23	4.23	7.03	54	714	↓	↓

Total Volume Purged	6.25	In liters	
Total Volume Purged (in gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons	

Calibration Checks:	pH Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity
	pH 7:	STD: ____ mS/cm	STD: ____ mg/L	STD: ____ mV	STD: ____ NTUs
	pH 10:	Check: ____ mS/cm	Check: ____ mg/L	Check: ____ mV	Check: ____ NTUs
	(check) pH 4:	Satisfactory Range: +/- 10 %	Satisfactory Range: +/- 10 %	Satisfactory Range: +/- 10 mv	Satisfactory Range: +/- 10 %
	Satisfactory Range: +/- 0.1 Unit	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)

Other Comments/Observations:

If this well is a duplicate, well duplicated is: No

If Equipment Blank was filled at this well, time of Equipment Blank is: No

If Field Blank was conducted at this well, time of Field Blank is: No

Printed Sampler Name(s) and Signature(s)

Jaime Pena

* TOC = Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12/1220	DTW Measurement Time: 655		
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 37.40		TOC Elevation, ft., MSL:
Well I.D.: MW-16	Total Well Depth from TOC, ft.: 41.43		GW Elevation, ft., MSL: (Equals TOC Elevation-DTW)
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.:		Well Screen Length, ft.:
	Purge Device: Peristaltic Pump Typhoon	DNAPL Present (Y/N):	DNAPL Thickness: N/A
Wind Speed & Direction:	Sampling Device: Peristaltic Pump Pump	LNAPL Present (Y/N):	LNAPL Thickness: N/A
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A	Corrected GW Elevation for LNAPL: N/A

DATE:	TIME:	Volume Purged (milliliters)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1155	1250	37.42	20.11	3.67	4.21	7.18	40	810	Cloudy	No Odor
	1200		37.47	20.14	3.70	4.23	7.21	53	900		
	1205		37.49	20.17	3.74	4.24	7.22	61	905		
	1210		37.50	20.18	3.76	4.30	7.23	67	717		
	1215		37.52	20.21	3.78	4.32	7.24	70	7.34		

Total Volume Purged	1.25	In liters
Total Volume Purged (in gallons)	.33 gal	Conversion Factor: Liters X 0.263 = Gallons

Calibration Checks:	pH Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity

Printed Sampler Name(s) and Signature(s): Jaime Perez

Other Comments/Observations:

If this well is a duplicate, well duplicated is ____ No ____

If Equipment Blank was filled at this well, time of Equipment Blank is ____ No ____

If Field Blank was conducted at this well, time of Field Blank is ____

* TOC = Top of Well Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10·3·12 / 1315	DTW Measurement Time: 7.01			TOC Elevation, ft., MSL:	
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 37.10				
Well I.D.: MW-16	Total Well Depth from TOC, ft.: 43.40			GW Elevation, ft., MSL (Equals TOC Elevation-DTW)	
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.:			Well Screen Length, ft.:	
	Purge Device: ~~Peristaltic Pump~~ Typhoon	DNAPL Present (Y/N): N	DNAPL Thickness: N/A	Depth to Top of Screen, ft. BGS:	
Wind Speed & Direction:	Sampling Device: ~~Peristaltic Pump~~ Pump	LNAPL Present (Y/N): N	LNAPL Thickness: N/A		
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A	Corrected GW Elevation for LNAPL: N/A		

DATE:	TIME:	Volume Purged (milliliters)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10·3·12	1250	1250	37.14	20.08	1.26	8.73	7.00	-67	20.3	Clear	No odor
↓	1255	↓	37.18	20.10	1.30	8.80	7.03	-67	9.2	↓	↓
↓	1300	↓	37.20	20.10	1.34	8.84	7.04	-70	8.1	↓	↓
↓	1305	↓	37.22	20.11	1.40	8.90	7.08	-73	4.3	↓	↓
↓	1310	↓	37.24	20.12	1.43	8.92	7.10	-74	2.4	↓	↓

Total Volume Purged	6.25	In liters
Total Volume Purged (in gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons

Calibration Checks:

pH Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity
pH 7 =	STD = mS/cm	STD = mg/L	STD = mV	STD = NTUs
pH 10 =	Check = mS/cm	Check = mg/L	Check = mV	Check = NTUs
(check) pH 7 =	Satisfactory Range = [illegible]	Satisfactory Range = [illegible]	Satisfactory Range = [illegible]	Satisfactory Range = [illegible]
Satisfactory Range = [illegible]	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)

Printed Sampler Name(s) and Signature(s)

Other Comments/Observations:

If this well is a duplicate, well duplicated is No

If Equipment Blank was filled at this well, time of Equipment Blank is No

If Field Blank was conducted at this well, time of Field Blank is No

* TOC = Top of [Well] Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12/1405	DTW Measurement Time: 708		
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 36.98		TOC Elevation, ft., MSL:
Well I.D.: MW-19	Total Well Depth from TOC, ft.: 44.65		GW Elevation, ft., MSL (Equals TOC Elevation-DTW):
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.: 42		Well Screen Length, ft.:
	Purge Device: ~~Peristaltic Pump~~ Typhoon	DNAPL Present (Y/N): N — DNAPL Thickness: N/A	Depth to Top of Screen, ft. BGS:
Wind Speed & Direction:	Sampling Device: ~~Peristaltic Pump~~ Pump	LNAPL Present (Y/N): N — LNAPL Thickness: N/A	
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A — Corrected GW Elevation for LNAPL: N/A	

DATE:	TIME:	Volume Purged (mL/min)	Depth to Water (TOC, ft)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1340	1250	37.01	19.50	0.662	10.94	7.75	70	49.1	Clear	No Odor
↓	1345	↓	37.08	19.59	0.680	11.02	7.81	74	34.2	↓	↓
↓	1350	↓	37.11	19.60	0.683	11.08	7.82	75	30.8	↓	↓
↓	1355	↓	37.12	19.63	0.687	11.12	7.82	78	24.3	↓	↓
↓	1400	↓	37.12	19.67	0.688	11.14	7.82	81	21.8	↓	↓

Total Volume Purged	6.25	In liters
Total Volume Purged (in gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons

Calibration Checks:

- **pH Meter:** pH 7 = ; pH 10 = ; (check) pH 5 = ; Stabilization Range = +/- 0.1 Unit
- **Specific Conductance (SC):** STD = mS/cm; Check = mS/cm; Stabilization Range = +/- 3%; (Initial Calibration Check only)
- **Dissolved Oxygen (D.O.):** STD = mg/L; Check = mg/L; Stabilization Range = +/- 10%; (Initial Calibration Check only)
- **Redox (ORP):** STD = mV; Check = mV; Stabilization Range = +/- 10 mV; (Initial Calibration Check only)
- **Turbidity:** STD = NTU; Check = NTU; Stabilization Range = +/- 10%; (Initial Calibration Check only)

Printed Sampler Name(s) and Signature(s):

Other Comments/Observations:

If this well is a duplicate, well duplicated is: No

If Equipment Blank was filled at this well, time of Equipment Blank is: No

If Field Blank was conducted at this well, time of Field Blank is: No

* TOC - Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12 / 1450	DTW Measurement Time: 713		
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 36.90		TOC Elevation, ft., MSL.:
Well I.D.: MW-14	Total Well Depth from TOC, ft.: 46.25		GW Elevation, ft., MSL. (Equals TOC Elevation-DTW)
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.:		Well Screen Length, ft.:
	Purge Device ~~Peristaltic Pump~~ Typhoon	DNAPL Present (Y or N)	DNAPL Thickness: N/A	Depth to Top of Screen, ft. BGS:
Wind Speed & Direction:	Sampling Device: ~~Peristaltic Pump~~ pump	LNAPL Present (Y or N)	LNAPL Thickness: N/A	
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A	Corrected GW Elevation for LNAPL: N/A	

DATE:	TIME:	Volume Purged (milliliters)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1425	1250	36.44	21.08	1.11	4.54	7.25	-137	11.2	Clear	No odor
	1430		36.96	21.12	1.13	4.60	7.80	-141	9.3		
	1435		36.98	21.14	1.14	4.62	7.81	-143	6.2		
	1440		36.98	21.16	1.15	4.63	7.82	-146	5.2		
	1445		37.00	21.17	1.16	4.70	7.83	-150	4.7		

Total Volume Purged	1.25	In liters	
Total Volume Purged (in gallons)	1.04	Conversion Factor: Liters X 0.263 = Gallons	

Calibration Checks: pH Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity
pH 7 =	Std. = millisiemens/cm	Std. = mg/L	Std. = mV	Std. = NTU
pH 10 =	Check = millisiemens/cm	Check = mg/L	Check = mV	Check = NTU
Check pH 4 =	Satisfactory Range = +/- 5% (Initial Calibration Check only)	Satisfactory Range = +/- 10% (Initial / Ambient Check only)	Satisfactory Range = +/- 10 mV (Initial Calibration Check only)	Satisfactory Range = +/- 5% (Initial Calibration Check only)
Satisfactory Range = +/- 0.1 Unit				

Printed Sampler Name(s) and Signature(s): Jaime Peña

Other Comments/Observations:

If this well is a duplicate, well duplicated is ... No

If Equipment Blank was filled at this well, type of Equipment Blank is ... No

If Field Blank was conducted at this well, type of Field Blank is ... No

* TOC - Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12/1545	DTW Measurement Time: 716		
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 37.93		TOC Elevation,ft., MSL:
Well I.D.: MW-26	Total Well Depth from TOC, ft.: 45.40		GW Elevation, ft., MSL (Equals TOC Elevation-DTW):
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.:		Well Screen Length, ft.:
	Purge Device: ~~Peristaltic Pump~~ Typhoon	DNAPL Present (Y/N):	DNAPL Thickness: N/A	Depth to Top of Screen, ft. BGS:
Wind Speed & Direction:	Sampling Device: ~~Peristaltic Pump~~ Pump	LNAPL Present (Y/N):	LNAPL Thickness: N/A	
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A	Corrected GW Elevation for LNAPL: N/A	

DATE:	TIME:	Volume Purged (milliliters)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1520	1250	38.02	21.08	3.14	4.87	7.11	-94	411	Cloudy	No Color
	1525		38.04	21.10	3.17	4.50	7.12	-102	413		
	1530		38.06	21.11	3.20	4.43	7.12	-104	420		
	1535		38.07	21.12	3.21	4.47	7.13	-108	424		
	1540		38.07	21.14	3.23	4.46	7.13	-110	426		

Total Volume Purged	6.25	In liters
Total Volume Purged (In gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons

Calibration Checks: pH Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity
pH 7 =	STD = mS/cm or uS/cm	STD = mg/L	STD = mV	STD = NTU
pH 10 =	Check = mS/cm or uS/cm	Check = mg/L	Check = mV	Check = NTU
(weekly pH 4 =)	Stabilization Range = +/- 3%	Stabilization Range = +/- 10%	Stabilization Range = +/- 10%	Stabilization Range = +/- 10%
Stabilization Range = +/- 0.1 Units	(Initial Calibration, Check only)	(Initial Calibration, Check only)	(Initial Calibration, Check only)	(Initial Calibration, Check only)

Other Comments/Observations:
If this well is a duplicate, well duplicated is: No
If Equipment Blank was filled at this well, time of Equipment Blank is:
If Field Blank was conducted at this well, time of Field Blank is: No

Printed Sampler Name(s) and Signature(s)
Jaime Perez

* TOC = Top of [Well] Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12/1635	DTW Measurement Time: 721		
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 37.15		TOC Elevation, ft., MSL:
Well I.D.: MW-21	Total Well Depth from TOC, ft.: 48.00		GW Elevation, ft., MSL (Equals TOC Elevation-DTW):
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.:		Well Screen Length, ft.:
	Purge Device: Peristaltic Pump	DNAPL Present (Y/N): N — DNAPL Thickness: N/A	Depth to Top of Screen, ft. BGS:
Wind Speed & Direction:	Sampling Device: Peristaltic Pump	LNAPL Present (Y/N): N — LNAPL Thickness: N/A	
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A — Corrected GW Elevation for LNAPL: N/A	

DATE:	TIME:	Volume Purged (mL)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1610	1250	37.18	20.54	1.69	9.26	7.71	17	3.7	Clear	No Odor
↓	1615	↓	37.22	20.62	1.70	9.24	7.74	21	2.8	↓	↓
↓	1620	↓	37.24	20.64	1.73	9.26	7.76	23	1.6	↓	↓
↓	1625	↓	37.28	20.63	1.74	9.28	7.80	22	0.8	↓	↓
↓	1630	↓	37.31	20.64	1.74	9.30	7.80	24	1.3	↓	↓

Total Volume Purged	6.25	In liters
Total Volume Purged (in gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons

Calibration Checks:

pH Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity
pH 7 =	STD = ___ millisiemens/cm	STD = ___ mg/l	STD = ___ mV	STD = ___ NTUs
pH 10 =	Check = ___ millisiemens/cm	Check = ___ mg/l	Check = ___ mV	Check = ___ NTUs
(check) pH 8 =	Stabilization Range = +/- [illegible]	Stabilization Range = +/- [illegible]	Stabilization Range = +/- [illegible]	Stabilization Range = +/- [illegible]
Stabilization Range = +/- 0.1 Units	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)

Printed Sampler Name(s) and Signature(s): [signature]

Other Comments/Observations:

If this well is a duplicate, well duplicated is: No

If Equipment Blank was filled at this well, time of Equipment Blank is: No

If Field Blank was conducted at this well, time of Field Blank is: No

* TOC = Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time:	10 3.12 / 1715
Site Name:	~~Andamo TX~~
Well I.D.:	MW-23
Event Purpose:	Groundwater Sampling Event
Wind Speed & Direction:	
Weather - Temp. & Conditions:	
DTW Measurement Time:	7.26
Initial Depth to Water from TOC, ft.:	37.30
Total Well Depth from TOC, ft.:	46.70
Depth to Sample Intake from TOC, ft.:	
Purge Device: ~~Peristaltic Pump~~	Typhoon
Sampling Device: Peristaltic Pump	Pump
Total Purge Time, Hrs & Min:	25
DNAPL Present (Y/N):	N
DNAPL Thickness:	N/A
LNAPL Present (Y/N):	N
LNAPL Thickness:	N/A
Depth to LNAPL:	N/A
Corrected GW Elevation for LNAPL:	
TOC Elevation, ft., MSL:	
GW Elevation, ft., MSL (Equals TOC Elevation-DTW):	
Well Screen Length, ft.:	
Depth to Top of Screen, ft. BGS:	

DATE:	TIME:	Volume Purged (milliliters)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10.3.12	1650	1250	37.37	21.31	2.10	4.14	7.13	-102	653	Cloudy	No Odor
↓	1655	↓	37.40	21.34	2.14	4.12	7.14	-108	510	↓	↓
↓	1700	↓	37.43	21.36	2.16	4.13	7.15	-110	443	↓	↓
↓	1705	↓	37.48	21.38	2.17	4.14	7.15	-112	503	↓	↓
↓	1710	↓	37.50	21.40	2.20	4.16	7.15	-114	432	↓	↓

Total Volume Purged	6.25	In liters
Total Volume Purged (in gallons)	1.64	Conversion Factor. Liters X 0.263 = Gallons

Calibration Checks: all Meters — pH 7 = ____ pH 10 = ____ (check) pH 7 = ____ Stabilization Range = +/- 0.1 Unit

Specific Conductance (SC) — STD = ____ mS/cm; Check = ____ mS/cm; Stabilization Range = +/- 3%; (Initial Calibration Check only)

Dissolved Oxygen (D.O.) — STD = ____ mg/L; Check = ____ mg/L; Stabilization Range = +/- 10%; (Initial Calibration Check only)

Redox (ORP) — STD = ____ mV; Check = ____ mV; Stabilization Range = +/- 10 mV; (Initial Calibration Check only)

Turbidity — STD = ____ NTUs; Check = ____ NTUs; Stabilization Range = +/- 10%; (Initial Calibration Check only)

Printed Sampler Name(s) and Signature(s): Jaime Pena [signature]

Other Comments/Observations:

If this well is a duplicate, well duplicated is: No

If Equipment Blank was filled at this well, time of Equipment Blank is: No

If Field Blank was conducted at this well, time of Field Blank is: No

* TOC = Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12/1600	DTW Measurement Time:		TOC Elevation, ft., MSL:
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 37.48		GW Elevation, ft., MSL (Equals TOC Elevation-DTW)
Well I.D.: MW-20	Total Well Depth from TOC, ft.: 48.00		Well Screen Length, ft.:
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.:		Depth to Top of Screen, ft. BGS:
	Purge Device: ~~Peristaltic Pump~~ Typhoon	DNAPL Present (Y/N): N	DNAPL Thickness: N/A
Wind Speed & Direction:	Sampling Device: Peristaltic Pump Pump	LNAPL Present (Y/N): N	LNAPL Thickness: N/A
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A	Corrected GW Elevation for LNAPL: N/A

DATE:	TIME:	Volume Purged (ml/min)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1735	12.50	37.52	20.20	3.04	12.58	7.43	80	14.6	Clear	No odor
↓	1740	↓	37.60	20.18	3.10	12.60	7.44	84	9.2	↓	↓
	1745		37.62	20.21	3.12	12.61	7.48	85	7.4		
	1750		37.64	20.24	3.14	12.63	7.50	87	3.8		
↓	1755	↓	37.65	20.26	3.16	12.63	7.52	88	2.6	↓	↓

Total Volume Purged	6.25	In liters
Total Volume Purged (in gallons)	1.64	Conversion Factor. Liters X 0.263 = Gallons

Calibration Checks:

pH Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity
pH 7 = ____	STD = ____ mS/cm	STD = ____ mg/L	STD = ____ mV	STD = ____ NTU
pH 10 = ____	Check = ____ mS/cm	Check = ____ mg/L	Check = ____ mV	Check = ____ NTU
(check) pH 4 ____	Stabilization Range = ± 3%	Stabilization Range = ± 10%	Stabilization Range = ± 10 mV	Stabilization Range = ± 10%
Stabilization Range = ± 0.1 Units	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)	(Initial Calibration Check only)

Printed Sampler Name(s) and Signature(s): Jaime Peña [signature]

Other Comments/Observations:

If this well is a duplicate, well duplicated is No

If Equipment Blank was filled at this well, time of Equipment Blank is No

If Field Blank was conducted at this well, time of Field Blank is No

* TOC = Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12/1840	DTW Measurement Time: 747		
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 37.54		TOC Elevation,ft., MSL:
Well I.D.: MW-5	Total Well Depth from TOC, ft.: 46.50		GW Elevation, ft., MSL (Equals TOC Elevation-DTW):
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.: 43		Well Screen Length, ft.:
	Purge Device: Peristaltic Pump Typhoon	DNAPL Present (Y/N):	DNAPL Thickness: N/A
Wind Speed & Direction:	Sampling Device: Peristaltic Pump Pump	LNAPL Present (Y/N):	LNAPL Thickness: N/A
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: N/A	Corrected GW Elevation for LNAPL: N/A

DATE:	TIME:	Volume Purged (milliliters)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1815	1250	37.60	20.18	3.23	5.18	7.14	40	42.3	Clear	No odor
	1820		37.64	20.21	3.24	5.20	7.15	47	47.8		
	1825		37.67	20.23	3.26	5.22	7.18	50	312		
	1830		37.68	20.24	3.28	5.24	7.19	52	291		
	1835		37.68	20.27	3.30	5.27	7.20	56	284		

Total Volume Purged	6.25	in liters
Total Volume Purged (in gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons

Calibration Checks: pH Meter	Specific Conductance (SC)	Dissolved Oxygen (D.O.)	Redox (ORP)	Turbidity

Other Comments/Observations:
If this well is a duplicate, well duplicated is MW-5 (600)
If Equipment Blank was filled at this well, time of Equipment Blank is No
If Field Blank was conducted at this well, time of Field Blank is No

Printed Sampler Name(s) and Signature(s)
Jaime Par

* TOC = Top of (Well) Casing

LOW-FLOW GROUNDWATER SAMPLING FIELD RECORD

Sample Date & Time: 10-3-12/1925	DTW Measurement Time:		
Site Name: Andrews, TX	Initial Depth to Water from TOC, ft.: 38.40		TOC Elevation, ft., MSL:
Well I.D.: MW-9	Total Well Depth from TOC, ft.:		GW Elevation, ft., MSL (Equals TOC Elevation-DTW):
Event Purpose: Groundwater Sampling Event	Depth to Sample Intake from TOC, ft.: 43		Well Screen Length, ft.:
	Purge Device ~~Peristaltic Pump~~ Typhoon	DNAPL Present (Y/N): N / DNAPL Thickness:	Depth to Top of Screen, ft. BGS:
Wind Speed & Direction:	Sampling Device: Peristaltic Pump	LNAPL Present (Y/N): N / LNAPL Thickness:	
Weather - Temp. & Conditions:	Total Purge Time, Hrs & Min: 25	Depth to LNAPL: / Corrected GW Elevation for LNAPL:	

DATE:	TIME:	Volume Purged (milliliters)	Depth to Water (TOC, ft.)	Temp. (°C)	Specific Conductance (SC) (mS/cm)	D. O. (mg/L)	pH (pH Units)	ORP (mV)	Turbidity (NTU)	Appearance (Color, Clarity, Solids)	Comments
10-3-12	1900	1250	38.47	20.18	4.12	3.14	8.14	-40	525	Cloudy	No Odor
↓	1905	↓	38.49	20.19	4.14	3.17	8.16	-47	5.00	↓	↓
	1910		38.50	20.20	4.15	3.20	8.16	-50	436		
	1915		38.51	20.23	4.17	3.23	8.17	-53	300		
	1920		38.52	20.27	4.20	3.26	8.21	-56	352		

Total Volume Purged	6.25	In liters
Total Volume Purged (in gallons)	1.64	Conversion Factor: Liters X 0.263 = Gallons

Calibration Checks: pH Meter; Specific Conductance (SC); Dissolved Oxygen (D.O.); Redox (ORP); Turbidity

Printed Sampler Name(s) and Signature(s): Jason P[illegible]

Other Comments/Observations:

If this well is a duplicate, well duplicated is: No

If Equipment Blank was filled at this well, time of Equipment Blank is: Yes (1935)

If Field Blank was conducted at this well, time of Field Blank is: Yes (1945)

* TOC = Top of [Well] Casing