

GW - 211

**Q3 2012 Quarterly
Monitoring Report**

Date: 9/10/12

Southwest

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DIST. 3

QUARTERLY GROUNDWATER MONITORING REPORT
(July 2012 Sampling Event)

GROUNDWATER DISCHARGE PLAN GW-211

Property:

LARGO COMPRESSOR STATION
Section 15, Township 26N, Range 7W
Rio Arriba County, New Mexico
SWG Project No. 0410002
September 10, 2012

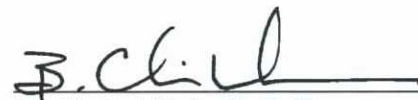
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QUARTERLY GROUNDWATER MONITORING REPORT
(July 2012 Sampling Event)
GROUNDWATER DISCHARGE PLAN GW-211

LARGO COMPRESSOR STATION
Section 15, Township 26N, Range 7W
Rio Arriba County, New Mexico

SWG Project No. 0410002

1.0 INTRODUCTION

1.1 Site Description & Background

The Largo Compressor Station is located off of County Road (CR) 379 in Section 15, Township 26N, Range 7W in Rio Arriba County, New Mexico, referred to hereinafter as the "Site" or "subject Site". The Site is a natural gas compressor station utilized to dehydrate and compress natural gas collected from production wells in the area for transportation via pipeline. The Site was constructed in the mid-1960s and currently includes two (2) compressor engines, a dehydration unit and related treater, one (1) bullet storage tank, an out-of-service condensate storage tank battery, which includes six (6) condensate storage tanks and two (2) below-grade drain tanks, a new condensate storage tank battery, which includes seven (7) new condensate storage tanks, inlet scrubbers, a control room, and an office/shop building.

The Site is subject to regulatory oversight by the New Mexico Energy, Minerals, and Natural Resources Department (EMNRD), Oil Conservation Division (OCD). To address activities related to crude oil/condensate related releases, the New Mexico EMNRD OCD utilizes the *Guidelines for Remediation of Leaks, Spills and Releases* as guidance, in addition to the EMNRD/OCD rules, specifically New Mexico Administrative Code (NMAC) 19.15.30 Remediation. These guidance documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action.

The Site location is depicted on Figure 1 of Appendix A which was reproduced from a portion of the United States Geological Survey (USGS) 7.5-minute series topographic map. A Site vicinity map, created from an aerial photograph, is provided as Figure 2 of Appendix A.

The areas of known or suspected impact at the Site have been previously identified as Areas 1 through 4 in OCD correspondence. Each of the areas is depicted on Figure 3 in relation to pertinent Site features and general Site boundaries. These areas are briefly described below:

Area 1(Condensate Storage Tank Area)

Area 1 is defined as the northwestern portion of the Site and includes the out-of-service condensate storage tank battery associated with on-going investigation and/or corrective actions since a release from a condensate storage tank valve was reported to

the OCD in January of 2008. Additional detail regarding the investigative and corrective activities at Area 1 are provided in the *Environmental Site Investigation – Largo Compressor Station (GW-211) (SWG - March 24, 2011)*, and the *Corrective Action Pilot Study Report (SWG – October 10, 2011)*.

Area 2 (Valve Box Area)

Area 2 includes the new condensate storage tank battery and the immediately surrounding areas. This area is in the north central portion of the Site, immediately south of CR 379. During the construction of the new tank battery in June 2009, petroleum hydrocarbon impacted soils and groundwater were encountered in association with a former valve box and related appurtenances. Additional detail regarding the investigative and corrective activities at Area 2 are provided in the *Environmental Site Investigation – Largo Compressor Station (GW-211) (SWG - March 24, 2011)*.

Area 3 (Retention Pond Area)

Area 3 encompasses the northeast portion of the Site including the storm-water retention pond. Historical petroleum hydrocarbon affected soil and groundwater were identified during the construction of the retention pond in July of 2009, which apparently originated from historic oil and contact water treatment and storage in the area of the current retention pond. Additional detail regarding the investigative and corrective activities at Area 3 are provided in the *Environmental Site Investigation – Largo Compressor Station (GW-211) (SWG - March 24, 2011)*, and the *Supplemental Site Investigation & Quarterly Groundwater Monitoring Report (April 2012) (SWG – June 31, 2012)*.

Area 4 (Compression & Dehydration Area)

Area 4 includes the remainder of the Site, which includes the active compression and treatment area comprised of two (2) compressor engines, a dehydration unit and related treated and inlet scrubbers. Soil and groundwater investigation activities pertaining to Area 4 are provided in the *Environmental Site Investigation – Largo Compressor Station (GW-211) (SWG - March 24, 2011)*, and the *Supplemental Site Investigation & Quarterly Groundwater Monitoring Report (April 2012) (SWG – June 31, 2012)*.

1.2 Scope of Work

The objective of the groundwater monitoring event was to further evaluate the concentrations of constituents of concern (COCs) in groundwater at the Site.

1.3 Standard of Care & Limitations

The findings and recommendations contained in this report represent SWG's professional opinions based upon information derived from on-Site activities and other services performed under this scope of work and were arrived at in accordance with currently acceptable professional standards. The findings were based upon analytical results provided by an independent laboratory. Evaluations of the geologic/hydrogeologic conditions at the Site for the purpose of this investigation are made from a limited number of available data points (i.e. soil borings and ground water

samples) and site wide subsurface conditions may vary from these data points. SWG makes no warranties, express or implied, as to the services performed hereunder. Additionally, SWG does not warrant the work of third parties supplying information used in the report (e.g. laboratories, regulatory agencies, or other third parties).

This report is based upon a specific scope of work requested by Enterprise. The agreement between SWG and Enterprise outlines the scope of work, and only those tasks specifically authorized by that agreement or outlined in this report were performed. This report has been prepared for the intended use of Enterprise, and any authorization for use or reliance by any other party (except a governmental entity having jurisdiction over the Site) is prohibited without the express written authorization of Enterprise and SWG.

2.0 SAMPLING PROGRAM

A quarterly groundwater sampling event was conducted on July 30th and July 31st, 2012 by Aaron Bentley, a SWG environmental professional.

SWG's groundwater sampling program consisted of the following:

Prior to sample collection, SWG gauged the depth to fluids in each monitoring well using an interface probe capable of detecting light non-aqueous phase liquids (LNAPL). Due to the similarities in conductivity and a gradual transition from LNAPL into dissolved phase COCs, precise LNAPL measurements were difficult to attain during the sampling event and disposable bailers were utilized to verify LNAPL presence and thickness. Monitoring wells exhibiting LNAPL were not sampled. Due to the inability to obtain accurate LNAPL thickness measurements during the sampling event, monitoring wells MW-33 and MW-35 were re-gauged during August 2012.

Each monitoring well was micro-purged utilizing low-flow sampling techniques. Low-flow refers to the velocity with which groundwater enters the pump intake and that is imparted to the formation pore water in the immediate vicinity of the well screen. It does not necessarily refer to the flow rate of water discharged at the surface which can be affected by flow regulators or restrictions. Water level drawdown provides the best indication of the stress imparted by a given flow-rate for a given hydrological situation. The objective is to pump in a manner that minimizes stress (drawdown) to the system, to the extent practical, taking into account established Site sampling objectives. Flow rates on the order of 0.1 to 0.5 L/min will be maintained during sampling activities, using dedicated sampling equipment.

The utilization of low-flow minimal drawdown techniques enables the isolation of the screened interval groundwater from the overlying stagnant casing water. The pump intake is placed within the screened interval such that the groundwater recovered is drawn in directly from the formation with little mixing of casing water or disturbance to the sampling zone.

Subsequent to the completion of the micro-purge process, one groundwater sample was collected from each monitoring well that did not contain LNAPL. The groundwater samples were collected from each monitoring well once produced groundwater was consistent in color, clarity, pH, DO, ORP, temperature and conductivity.

Groundwater samples were collected in laboratory prepared containers, sealed with custody tape and placed on ice in a cooler secured with a custody seal. The sample coolers and completed chain-of-custody forms were relinquished to Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

3.0 LABORATORY ANALYTICAL PROGRAM

The groundwater samples collected from the monitoring wells during the groundwater sampling event were analyzed for total petroleum hydrocarbons (TPH) gasoline range organics (GRO) and diesel range organics (DRO) utilizing EPA method SW-846#8015M, and benzene, toluene, ethylbenzene and xylenes (BTEX) utilizing EPA method SW-846 #8021B.

A summary of the analysis, sample type, sample frequency and EPA-approved methods are presented on the following table:

Analysis	Sample Type	No. of Samples	Method
<i>TPH GRO/DRO</i>	Groundwater	25	SW-846# 8015M
<i>BTEX</i>	Groundwater	25	SW-846# 8021B

Laboratory results are summarized in Table 1 included in Appendix B. The executed chain-of-custody form and laboratory data sheets are provided in Appendix C.

4.0 GROUNDWATER FLOW DIRECTION

Each of the monitoring wells has been surveyed for top-of-casing (TOC) elevations. Prior to sample collection, SWG gauged the depth to fluids in each monitoring well. The groundwater flow direction at the Site is generally towards the northwest, with a gradient that ranges from 0.002 ft/ft to 0.005 ft/ft across the Site.

Groundwater measurements collected during the most recent gauging event in July 2012 are presented with TOC elevations in Table 2, Appendix B. Due to the similarities in conductivity and a gradual transition from LNAPL into dissolved phase COCs, monitoring wells MW-33 and MW-35 were re-gauged on August 31st 2012 to further evaluate LNAPL thickness. A groundwater gradient map for the July 2012 event is included as Figure 4 (Appendix A).

5.0 DATA EVALUATION

The Site is subject to regulatory oversight by the New Mexico EMNRD OCD. To address activities related to crude oil/condensate related releases, the New Mexico EMNRD OCD utilizes the *Guidelines for Remediation of Leaks, Spills and Releases* as guidance, in addition to the EMNRD/OCD rules, specifically NMAC 19.15.30 Remediation. These

guidance documents establish investigation and abatement action requirements for sites subject to reporting and/or corrective action.

5.1 Groundwater Samples

SWG compared BTEX concentrations or laboratory reporting limits (RLs) associated with the groundwater samples collected from monitoring wells during the July 2012 sampling event to the New Mexico WQCC *Groundwater Quality Standards*; however, the New Mexico WQCC *Groundwater Quality Standards* may not be applicable since the initial groundwater-bearing unit would not be considered an "Underground Source of Drinking Water" in accordance with 19.15.30 NMAC *Remediation*. The results of the groundwater sample analyses are summarized in Table 1 of Appendix B.

Benzene, Toluene, Ethylbenzene, and Xylenes

Due to the presence of LNAPL hydrocarbons in association with the initial groundwater-bearing unit, monitoring wells MW-33, MW-35, and MW-37 were not sampled during the completion of field activities. Monitoring well MW-42 was dry during the July 2012 groundwater sampling event.

The groundwater samples collected from monitoring wells MW-7, MW-11, MW-12, MW-15, MW-16, MW-39, MW-48, and MW-51 exhibited benzene concentrations ranging from 36 µg/L to 4,600 µg/L, which exceed the WQCC *Groundwater Quality Standard* of 10 µg/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit benzene concentrations above the laboratory RLs, which are equal to or below the WQCC *Groundwater Quality Standard* of 10 µg/L.

The groundwater sample collected from monitoring well MW-48 exhibited a toluene concentration of 1,100 µg/L, which exceeds the WQCC *Groundwater Quality Standard* of 750 µg/L. The groundwater sample collected from monitoring well MW-51 exhibited toluene concentration of 5.5 µg/L which is below the WQCC *Groundwater Quality Standard* of 750 µg/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit toluene concentrations above the laboratory RLs, which are below the WQCC *Groundwater Quality Standard* of 750 µg/L.

The groundwater samples collected from monitoring wells MW-7, MW-11, MW-12, MW-15, MW-16, MW-48, and MW-51 exhibited ethylbenzene concentrations ranging from 1.1 µg/L to 160 µg/L, which are below the WQCC *Groundwater Quality Standard* of 750 µg/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit ethylbenzene concentrations above the laboratory RLs, which are below the WQCC *Groundwater Quality Standard* of 750 µg/L.

The groundwater samples collected from monitoring wells MW-12 and MW-48 exhibited xylene concentrations of 920 µg/L and 2,900 µg/L respectively, which exceed the

WQCC Groundwater Quality Standard of 620 µg/L. The groundwater samples collected from monitoring wells MW-39 and MW-51 exhibited xylene concentrations of 8.6 µg/L and 78 µg/L respectively, which are below the WQCC Groundwater Quality Standard of 620 µg/L.

The groundwater samples collected from the remaining monitoring wells did not exhibit xylene concentrations above the laboratory RLs, which are below the WQCC Groundwater Quality Standard of 620 µg/L.

TPH Gasoline Range Organics/Diesel Range Organics

The groundwater samples collected from the monitoring wells during July 2012 exhibited TPH GRO concentrations ranging from <0.050 mg/L to 17 mg/L, and TPH DRO concentrations ranging from <1.0 mg/L to 3.3 mg/L. The highest GRO concentration during the July 2012 sampling event was observed in the groundwater sample from monitoring well MW-12 (17 mg/L) and the highest DRO concentration was also observed in the sample from MW-12 (3.3 mg/L).

6.0 FINDINGS

During July 2012, SWG conducted a quarterly groundwater monitoring event at the Largo Compressor Station. The Site is a natural gas compressor station utilized to dehydrate and compress natural gas collected from production wells in the area for transportation via pipeline. The Site was constructed in the mid-1960s, and is located off of CR 379 in Section 15, Township 26N, Range 7W in Rio Arriba County, New Mexico. The objective of the groundwater monitoring event was to further evaluate the concentrations of COCs in groundwater.

- Prior to sample collection, SWG gauged the depth to fluids in each monitoring well using an interface probe capable of detecting LNAPL. The probe was malfunctioning during the sampling event and disposable bailers were utilized to verify LNAPL presence. **Monitoring wells MW-33, MW-35, and MW-37 exhibited visual product and were not sampled.** Due to the inability to obtain accurate LNAPL thickness measurements during the sampling event, monitoring wells MW-33 and MW-35 were re-gauged during August 2012.
- During the completion of the sampling event, one (1) groundwater sample was collected from each monitoring well utilizing low-flow sampling techniques. Monitoring well MW-42 was effectively dry during the July 2012 sampling event and was not sampled.
- The groundwater flow direction at the Site is generally towards the northwest, with a gradient that varies from 0.002 ft/ft and 0.005 ft/ft across the Site.
- The groundwater samples collected from monitoring wells MW-7, MW-11, MW-12, MW-15, MW-16, MW-39, MW-48, and MW-51 exhibited benzene concentrations ranging from 36 µg/L to 4,600 µg/L, which exceed the WQCC Groundwater Quality Standard of 10 µg/L. The analytical results from monitoring well MW-7 indicate an increase in the benzene concentration when compared to the April 2012 analytical data. This well has exhibited several spikes throughout the

monitoring history of the site. The analytical results from monitoring wells MW-39 and MW-51 exhibited significant declines from the April 2012 sampling event, and are likely related to seasonal water table elevation variations.

- The groundwater sample collected from monitoring well MW-48 exhibited a toluene concentration of 1,100 µg/L, which exceeds the WQCC *Groundwater Quality Standard* of 750 µg/L.
- The groundwater samples collected from monitoring wells MW-12 and MW-48 exhibited xylene concentrations of 920 µg/L and 2,900 µg/L respectively, which exceed the WQCC *Groundwater Quality Standard* of 620 µg/L.
- The groundwater samples collected from the remaining monitoring wells did not exhibit BTEX constituent concentrations above the WQCC *Groundwater Quality Standards*.
- During the previous (April 2012) sampling event, the groundwater sample from monitoring well MW-47 exhibited a Benzene concentration of 11 µg/L, which exceeds the WQCC *Groundwater Quality Standard* of 10 µg/L. That was the first time an exceedance had been documented at that location. The current (July 2012) sampling event results indicate that Benzene no longer exceeds the WQCC *Groundwater Quality Standard* at this monitoring well.

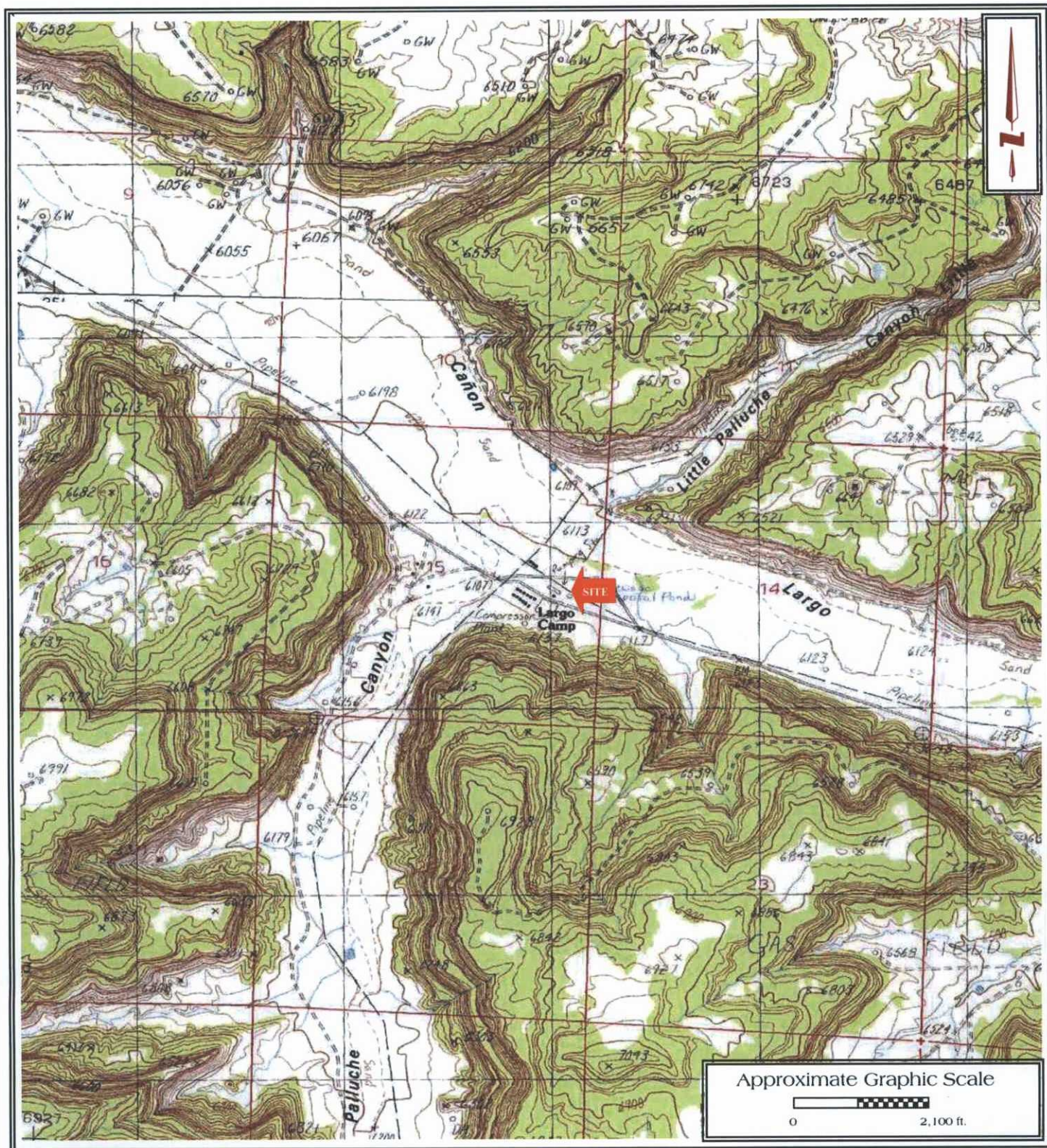
7.0 RECOMMENDATIONS

Based on the results of groundwater monitoring activities, SWG has the following recommendations:

- Report the groundwater monitoring results to the OCD;
- Perform Supplemental Site Investigation activities to further evaluate the extent of COCs in groundwater in the vicinity of Area 3; and,
- Pursuant to the completion of supplemental site investigation activities, continue the evaluation and execution of corrective actions to: 1.) Remove LNAPL from groundwater at the Site to the extent practical; and 2.) Reduce the concentrations of COCs in soil to below the OCD *Remediation Action Levels* and groundwater to below the New Mexico WQCC *Groundwater Quality Standards*.

APPENDIX A

Figures

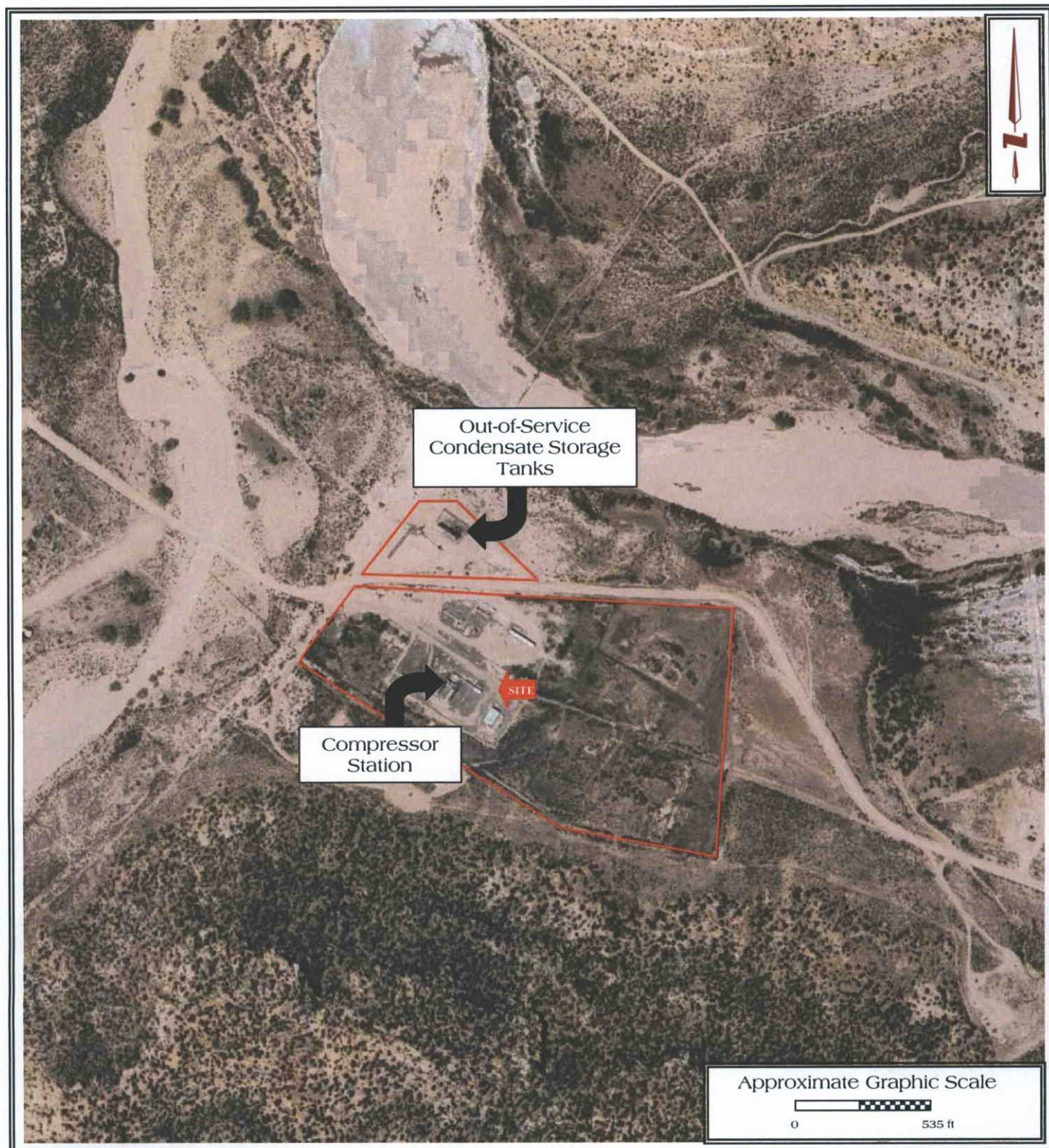


Largo Compressor Station
Condensate Storage Tank Battery
SE 1/4 of NE 1/4, S15 T26N R7W
Rio Arriba Co., New Mexico
N36° 29' 12.63"; W107° 33' 27.79"

SWG Project No. 0410002

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FIGURE 1
Topographic Map
Smouse Mesa & Gould Pass,
NM Quadrangle
Contour Interval - 20 Feet
1985

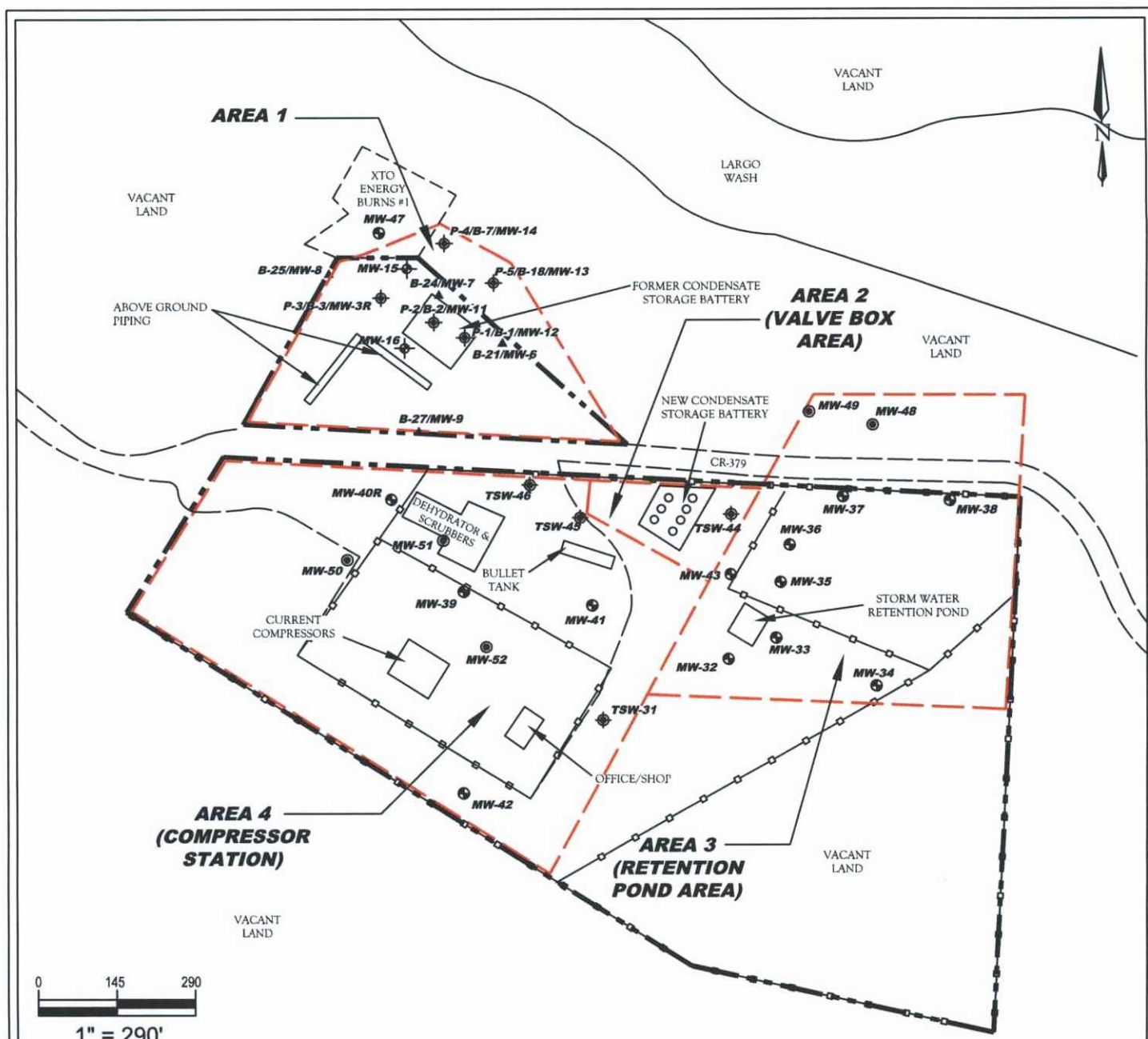


Largo Compressor Station
Condensate Storage Tank Battery
SE1/4 of NE1/4, S15 T26N R7W
Rio Arriba Co., New Mexico
N36° 29' 12.63"; W107° 33' 27.79"

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FIGURE 2
Site Vicinity Map
2010 Google Earth



NOTE: MW-15 & MW-16 GAUGING DATA NOT USED TO GENERATE GROUNDWATER GRADIENT MAP DUE TO ERRANT GAUGING DATA

LEGEND:

- SITE BOUNDARY
- GRAVEL
- FENCE

● MONITORING WELL INSTALLED BY SWG (APRIL 2012)

● MONITORING WELL INSTALLED BY SWG (NOVEMBER 2010)



▲ SOIL BORING/MONITORING WELL INSTALLED BY LT ENVIRONMENTAL (AUGUST 2009)



◆ SOIL BORING/MONITORING WELL INSTALLED BY LT ENVIRONMENTAL (MARCH/APRIL 2008)



✚ MONITORING WELL INSTALLED BY LT ENVIRONMENTAL (MARCH 2010)



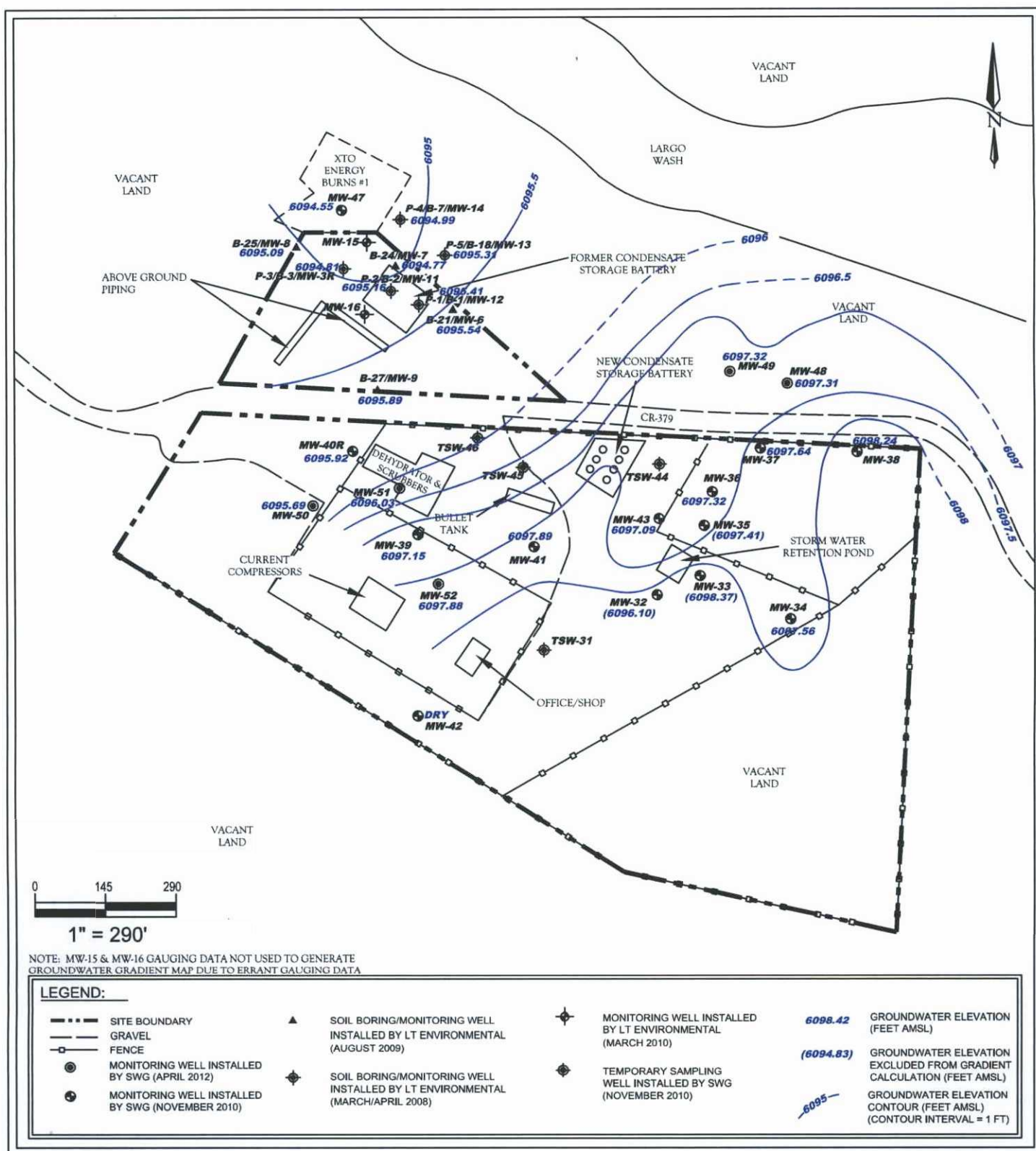
◆ TEMPORARY SAMPLING WELL INSTALLED BY SWG (NOVEMBER 2010)

Largo Compressor Station
SE1/4 of NE1/4, S15 T26N R7W
Rio Arriba Co., New Mexico
N36° 29' 12.63"; W107° 33' 27.79"

SWG Project No. 0410002

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FIGURE 3
SITE MAP



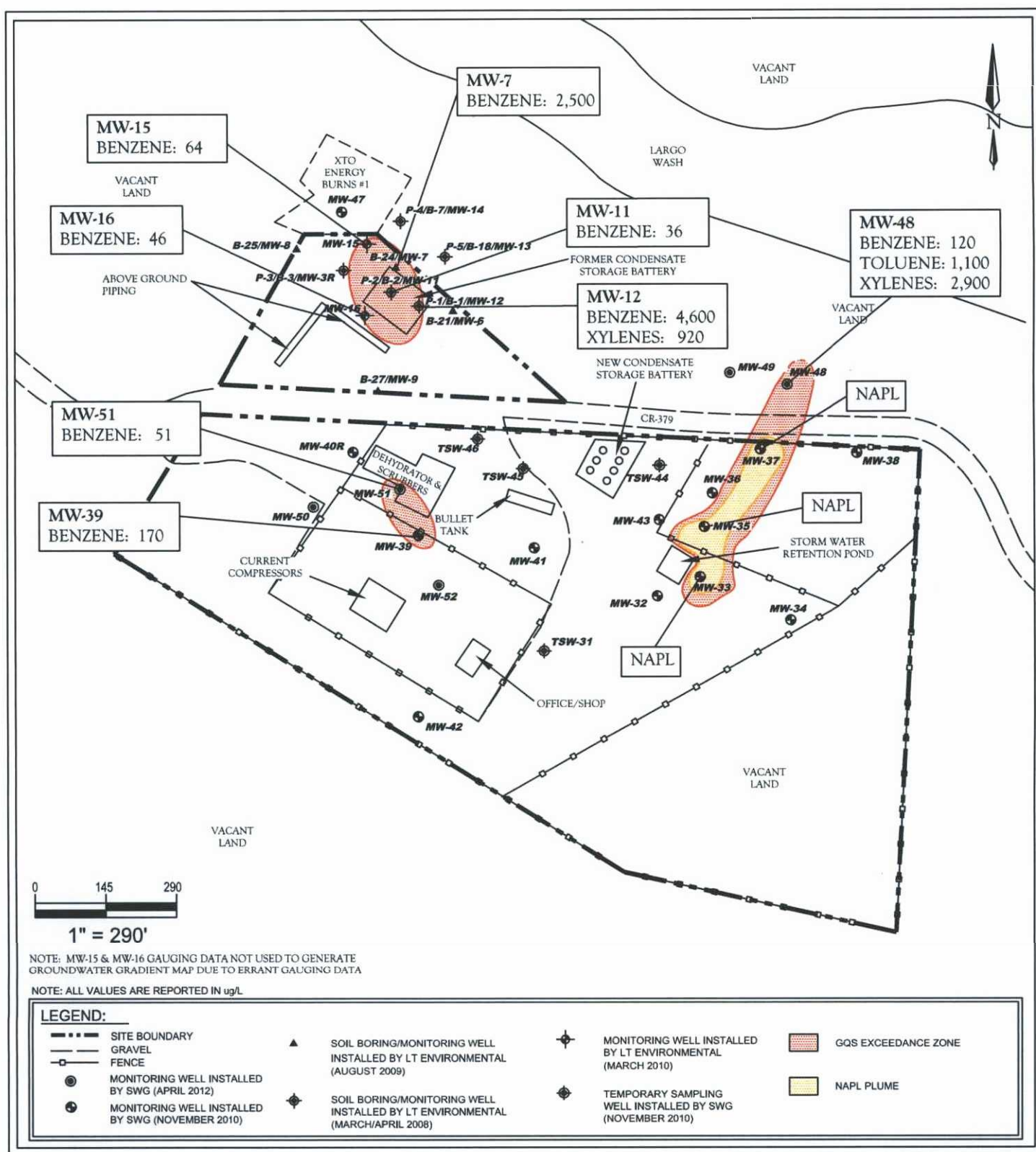
Largo Compressor Station
SE1/4 of NE1/4, S15 T26N R7W
Rio Arriba Co., New Mexico
N36° 29' 12.63"; W107° 33' 27.79"

SWG Project No. 0410002

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FIGURE 4
GROUNDWATER
GRADIENT MAP

JULY 30, 2012



Largo Compressor Station
SE1/4 of NE1/4, S15 T26N R7W
Rio Arriba Co., New Mexico
N36° 29' 12.63"; W107° 33' 27.79"

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FIGURE 5
GROUNDWATER (GQS)
EXCEEDANCE ZONE
IN GROUNDWATER

JULY 2012

APPENDIX B

Tables

TABLE 1
Largo Compressor Station
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		NE	10	750	750	620	NE	NE
Monitoring Wells Installed by Lodestar								
P-1	4.04.08	NA	5,700	2,200	310	5,500	53	<1.0
P-1	8.10.09	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
P-1	11.24.09	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
P-1	2.25.10	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-12 (P-1*)	4.05.10	NA	1,300	1,600	110	2,200	20	1.2
MW-12 (P-1*)	5.27.10	NA	3,300	1,800	180	3,200	NA	NA
MW-12 (P-1*)	7.13.10	NA	2,900	330	140	1,700	22	1.0
MW-12 (P-1*)	8.26.10	NA	1,200	420	70	1,300	13	<1.0
MW-12 (P-1*)	11.18.10	NA	1,100	69	61	720	6.3	<1.0
MW-12 (P-1*)	2.4.11	NA	5,900	<50	470	1,600	24	<1.0
MW-12 (P-1*)	4.19.11	NA	4,200	190	<100	330	14	<1.0
MW-12 (P-1*)	5.19.11	NA	1,000	520	36	660	13	15
MW-12 (P-1*)	7.28.11	NA	12,000	2,300	320	3,200	54	3.9
MW-12 (P-1*)	10.28.11	NA	4,900	59	130	3,300	29	7.3
MW-12 (P-1*)	1.31.12	NA	4,400	62	110	1,500	18	11
MW-12 (P-1*)	4.19.12	NA	4,300	53	150	930	22	5.8
MW-12 (P-1*)	7.31.12	NA	4,600	<50	160	920	17	3.3
P-2	4.04.08	NA	15,000	2,100	380	4,600	120	6.8
P-2	8.10.09	NA	9,800	110	170	1,400	NA	NA
P-2	11.24.09	NA	21,000	360	460	2,700	NA	NA
P-2	2.25.10	NA	19,000	380	380	2,800	NA	NA
MW-11 (P-2*)	4.05.10	NA	<1.0	<1.7	<1.0	3.3	0.22	<1.0
MW-11 (P-2*)	5.27.10	NA	4.4	<1.0	<1.0	<2.0	NA	NA
MW-11 (P-2*)	7.13.10	NA	700	4.5	11	56	3.6	1.2
MW-11 (P-2*)	8.26.10	NA	86	<1.0	1.3	4.9	0.4	<1.0
MW-11 (P-2*)	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	0.14	<1.0
MW-11 (P-2*)	2.4.11	NA	21	<1.0	<1.0	<1.0	0.075	<1.0
MW-11 (P-2*)	4.19.11	NA	96	12	1.2	27	0.39	<1.0
MW-11 (P-2*)	7.28.11	NA	46	<1.0	38	76	11	1.7
MW-11 (P-2*)	10.28.11	NA	1,600	<10	31	37	4.6	2.2
MW-11 (P-2*)	1.31.12	NA	470	<10	12	<20	1.3	<1.0
MW-11 (P-2*)	4.19.12	NA	84	<1.0	3.2	<2.0	0.43	<1.0
MW-11 (P-2*)	7.31.12	NA	36	<1.0	2.6	<2.0	0.24	<1.0
P-3	4.04.08	NA	780	13	81	20	4.2	<1.0
P-3	8.10.09	NA	35	<1.0	3.8	<2.0	NA	NA
P-3	11.24.09	NA	1.4	<1.0	1.5	<2.0	NA	NA
P-3	2.25.10	NA	3.6	10	2	24	NA	NA
MW-3R (P-3*)	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-3R (P-3*)	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-3R (P-3*)	7.13.10	NA	13	<1.0	1.3	6.4	1.4	1
MW-3R (P-3*)	8.26.10	NA	5.0	<1.0	<1.0	2.3	0.46	<1.0
MW-3R (P-3*)	11.18.10	NA	3.9	<1.0	<1.0	<2.0	0.47	<1.0
MW-3R (P-3*)	2.1.11	NA	2.0	<1.0	<1.0	<2.0	0.16	<1.0
MW-3R (P-3*)	4.18.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-3R (P-3*)	7.28.11	NA	1.5	<1.0	<1.0	7.1	1.50	<1.0
MW-3R (P-3*)	10.27.11	NA	1.1	<1.0	<1.0	<2.0	0.57	<1.0
MW-3R (P-3*)	1.30.12	NA	<1.0	<1.0	<1.0	<2.0	0.16	<1.0
MW-3R (P-3*)	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	0.16	<1.0
MW-3R (P-3*)	7.31.12	NA	<1.0	<1.0	<1.0	<2.0	0.36	<1.0
P-4	4.04.08	NA	<1.0	<1.0	<1.0	<2.0	0.42	<1.0
P-4	8.10.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
P-4	11.24.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
P-4	2.25.10	NA	2.5	7.5	<1.0	14	NA	NA
MW-14 (P-4*)	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-14 (P-4*)	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-14 (P-4*)	7.13.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-14 (P-4*)	8.26.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-14 (P-4*)	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-14 (P-4*)	2.1.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	7.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	1.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-14 (P-4*)	7.31.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0

TABLE 1
Largo Compressor Station
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		NE	10	750	750	620	NE	NE
P-5	4.04.08	NA	<1.0	<1.0	<1.0	<2.0	0.1	<1.0
P-5	8.10.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
P-5	11.24.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
P-5	2.25.10	NA	1.8	6.1	<1.0	11	NA	NA
MW-13 (P-5*)	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-13 (P-5*)	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-13 (P-5*)	7.13.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-13 (P-5*)	8.26.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-13 (P-5*)	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-13 (P-5*)	2.3.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	7.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	1.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-13 (P-5*)	7.31.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	8.10.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-6	11.24.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-6	2.25.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-6	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-6	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-6	7.13.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-6	8.26.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-6	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-6	1.31.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	7.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-6	7.31.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-7	8.10.09	NA	15,000	<100	380	310	NA	NA
MW-7	11.24.09	NA	13,000	<100	150	<200	NA	NA
MW-7	2.25.10	NA	3,000	<10	40	31	NA	NA
MW-7	4.05.10	NA	940	<10	<10	<20	4.2	1.3
MW-7	5.27.10	NA	700	<10	11	<20	NA	NA
MW-7	7.13.10	NA	15,000	<10	130	25	51	4.6
MW-7	8.26.10	NA	5,300	<20	35	<40	18	1.7
MW-7	11.18.10	NA	3,700	<20	62	<40	11	1.2
MW-7	2.1.11	NA	1,800	<1.0	10	4.6	2.2	<1.0
MW-7	4.19.11	NA	250	<1.0	2.9	2.4	0.75	<1.0
MW-7	5.19.11	NA	1,400	<5.0	15.0	<10	4.0	<1.0
MW-7	7.28.11	NA	75	<5.0	200	62.0	45	2.7
MW-7	10.28.11	NA	1,300	<10	140	<20	32	6.1
MW-7	1.31.12	NA	9,000	<10	110	<20	21	4.5
MW-7	4.19.12	NA	790	<10	15	<20	2.7	<1.0
MW-7	7.31.12	NA	2,500	<10	35	<20	6.4	<1.0
MW-8	8.10.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-8	11.24.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-8	2.25.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-8	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-8	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-8	7.13.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-8	8.26.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-8	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-8	1.31.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	4.18.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	7.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-8	7.31.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0

TABLE 1
Largo Compressor Station
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		NE	10	750	750	620	NE	NE
MW-9	8.10.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-9	11.24.09	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-9	2.25.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-9	4.05.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-9	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-9	7.13.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-9	8.26.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-9	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-9	1.31.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	4.19.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-9	7.31.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-15	4.05.10	NA	1.1	<1.0	<1.0	<2.0	<0.05	<1.0
MW-15	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	<0.05	<1.0
MW-15	7.13.10	NA	490	2.2	7.2	15	3.2	<1.0
MW-15	8.26.10	NA	20	<1.0	<1.0	<2.0	0.095	<1.0
MW-15	11.18.10	NA	8.9	<1.0	<1.0	<2.0	0.19	<1.0
MW-15	2.1.11	NA	16	<1.0	<1.0	<2.0	0.06	<1.0
MW-15	4.18.11	NA	13	<1.0	<1.0	<2.0	0.14	<1.0
MW-15	7.28.11	NA	1500	<1.0	19	20	6.7	<1.0
MW-15	10.28.11	NA	810	<1.0	<1.0	<2.0	2.2	1.0
MW-15	1.30.12	NA	150	<1.0	<1.0	<2.0	0.51	<1.0
MW-15	4.18.12	NA	23	<1.0	1.4	<2.0	0.21	<1.0
MW-15	7.31.12	NA	64	<1.0	1.1	<2.0	0.22	<1.0
MW-16	4.05.10	NA	3.8	1.5	1.4	11	0.36	<1.0
MW-16	5.27.10	NA	<1.0	<1.0	<1.0	<2.0	NA	NA
MW-16	7.13.10	NA	47	<1.0	<1.0	<2.0	0.3	<1.0
MW-16	8.26.10	NA	16	<1.0	<1.0	<2.0	0.095	<1.0
MW-16	11.18.10	NA	3.4	<1.0	<1.0	<2.0	0.11	<1.0
MW-16	2.1.11	NA	61	<1.0	1.3	2.1	0.20	<1.0
MW-16	4.18.11	NA	34	<1.0	3.7	4.4	0.16	<1.0
MW-16	7.28.11	NA	43	<1.0	1.9	<2.0	0.29	<1.0
MW-16	10.27.11	NA	21	<1.0	<1.0	<2.0	0.19	<1.0
MW-16	1.30.12	NA	10	<1.0	<1.0	<2.0	0.096	<1.0
MW-16	4.18.12	NA	20	<1.0	1.0	<2.0	0.14	<1.0
MW-16	7.31.12	NA	46	<1.0	1.9	<2.0	0.23	<1.0
TSW-31	11.23.10	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	1.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	10.26.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-32	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-33	1.28.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	4.20.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	7.28.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	10.26.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	1.27.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	4.18.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-33	7.30.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-34	1.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34	10.26.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-34	4.18.12	NA	<1.0	>1.0	<1.0	<2.0	<0.050	<1.0
MW-34	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-35	1.28.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	4.20.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	7.28.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	10.26.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	1.27.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	4.18.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-35	7.30.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL

TABLE 1
Largo Compressor Station
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		NE	10	750	750	620	NE	NE
MW-36	1.31.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	4.20.11	NA	<1.0	2.1	<1.0	<2.0	<0.050	<1.0
MW-36	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-36	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-37	2.4.11	NA	3,100	6,200	700	7,000	38	3.9
MW-37	4.20.11	NA	2,500	3,600	500	5,100	34	4.2
MW-37	7.28.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-37	10.26.11	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-37	1.27.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-37	4.18.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-37	7.30.12	NA	NAPL	NAPL	NAPL	NAPL	NAPL	NAPL
MW-38	1.26.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	4.20.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-38	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-39	1.26.11	NA	1,200	730	37	570	11	<1.0
MW-39	4.19.11	NA	120	<1.0	1.6	5.9	0.33	<1.0
MW-39	7.29.11	NA	27	14	1.9	18	0.80	<1.0
MW-39	10.27.11	NA	260	<1.0	1.2	3.5	0.44	<1.0
MW-39	1.27.12	NA	580	48	4.3	79	1.8	<1.0
MW-39	4.18.12	NA	1,500	620	36	860	12	112
MW-39	7.30.12	NA	170	<2.0	<2.0	8.6	0.58	<1.0
MW-40	1.28.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-40	4.20.11	NA	<2.0	<2.0	<2.0	<4.0	<0.10	<1.0
MW-40	7.28.11	NA	Dry	Dry	Dry	Dry	Dry	Dry
MW-40	10.26.11	NA	Dry	Dry	Dry	Dry	Dry	Dry
MW-40	1.27.12	NA	Dry	Dry	Dry	Dry	Dry	Dry
MW-40R	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-40R	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-41	1.31.11	NA	<5.0	<5.0	<5.0	<10	<0.25	<1.0
MW-41	4.18.11	NA	<5.0	<5.0	<5.0	<10	<0.25	<1.0
MW-41	7.29.11	NA	<5.0	<5.0	<5.0	<10	<0.050	<1.0
MW-41	10.27.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-41	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-41	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-41	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-42	2.4.11	NA	<5.0	<5.0	<5.0	<10	<0.25	NA
MW-42	3.3.11	75,400	NA	NA	NA	NA	NA	NA
MW-42	4.19.11	NA	<5.0	<5.0	<5.0	<10	<0.25	<1.0
MW-42	7.28.11	NA	Dry	Dry	Dry	Dry	Dry	Dry
MW-42	10.26.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-42	1.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-42	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-42	7.30.12	NA	Dry	Dry	Dry	Dry	Dry	Dry
MW-43	1.28.11	NA	<1.0	<1.0	<1.0	<2.0	0.06	<1.0
MW-43	4.19.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-43	7.29.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-43	10.26.11	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-43	1.27.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-43	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-43	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
TSW-44	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
TSW-45	11.18.10	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
TSW-46	11.23.10	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-47	1.28.11	NA	<5.0	<5.0	<5.0	<10	1.3	2.5
MW-47	4.18.11	NA	<5.0	<5.0	<5.0	<10	2.0	1.2
MW-47	7.28.11	NA	<5.0	<5.0	<5.0	27.0	6.6	1.1
MW-47	10.28.11	NA	<5.0	<5.0	<5.0	<10	1.4	2.7
MW-47	1.30.12	NA	<5.0	<5.0	<5.0	<10	2.6	2.5
MW-47	4.18.12	NA	11	<5.0	16	38	5.5	2.9
MW-47	7.31.12	NA	<10	<10	<10	<20	4.5	2.9
MW-48	4.18.12	NA	290	3,200	360	5,000	25	1.3
MW-48	7.30.12	NA	120	1,100	160	2,900	15	<1.0
MW-49	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-49	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0

TABLE 1
Largo Compressor Station
GROUNDWATER ANALYTICAL SUMMARY

Sample I.D.	Date	Total Dissolved Solids (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPH GRO (mg/L)	TPH DRO (mg/L)
New Mexico Water Quality Control Commission Groundwater Quality Standards		NE	10	750	750	620	NE	NE
MW-50	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-50	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-51	4.18.12	NA	1,200	3,600	150	1,400	19	<1.0
MW-51	7.30.12	NA	51	5.5	17	78	1.3	<1.0
MW-52	4.18.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0
MW-52	7.30.12	NA	<1.0	<1.0	<1.0	<2.0	<0.050	<1.0

Note: Concentrations in **bold** and yellow exceed the applicable OCD Remediation Action Level

NA = Not Analyzed

NE = Not Established

NAPL = Non-aqueous phase liquid

* = piezometer well was replaced with associated monitoring well

TABLE 2
Largo Compressor Station
Groundwater Elevations

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (feet)	Depth to PSH (feet)	Depth to Water (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation
MW-3R	4.5.10	6117.47	None Observed	21.83	0.0	6095.64
	5.27.10		None Observed	21.82	0.0	6095.65
	6.25.10		None Observed	22.22	0.0	6095.25
	7.13.10		None Observed	22.47	0.0	6095.00
	8.26.10		None Observed	22.24	0.0	6095.23
	11.18.10		None Observed	22.32	0.0	6095.15
	1.25.11		None Observed	22.13	0.0	6095.34
	4.22.11		None Observed	21.99	0.0	6095.48
	7.27.11		None Observed	22.81	0.0	6094.66
	10.26.11		None Observed	22.91	0.0	6094.56
	1.26.12		None Observed	22.74	0.0	6094.73
	4.19.12		None Observed	22.61	0.0	6094.86
	7.31.12		None Observed	22.66	0.0	6094.81
MW-6	8.10.09	6115.47	None Observed	20.28	0.0	6095.19
	11.24.09		None Observed	20.17	0.0	6095.30
	2.25.10		None Observed	19.54	0.0	6095.93
	4.5.10		None Observed	19.11	0.0	6096.36
	5.27.10		None Observed	19.28	0.0	6096.19
	6.25.10		None Observed	19.87	0.0	6095.60
	7.13.10		None Observed	20.09	0.0	6095.38
	8.26.10		None Observed	19.68	0.0	6095.79
	11.18.10		None Observed	19.72	0.0	6095.75
	1.25.11		None Observed	19.51	0.0	6095.96
	4.22.11		None Observed	19.42	0.0	6096.05
	7.27.11		None Observed	20.4	0.0	6095.07
	10.26.11		None Observed	20.43	0.0	6095.04
	1.26.12		None Observed	20.15	0.0	6095.32
	4.19.12		None Observed	Not Gauged	0.0	Not Gauged
	7.31.12		None Observed	19.93		6095.54
MW-7	8.10.09	6116.65	None Observed	21.52	0.0	6095.13
	11.24.09		None Observed	21.73	0.0	6094.92
	2.25.10		None Observed	21.42	0.0	6095.23
	4.5.10		None Observed	20.96	0.0	6095.69
	5.27.10		None Observed	20.96	0.0	6095.69
	6.25.10		None Observed	21.32	0.0	6095.33
	7.13.10		None Observed	21.46	0.0	6095.19
	8.26.10		None Observed	21.36	0.0	6095.29
	11.18.10		None Observed	21.42	0.0	6095.23
	1.25.11		None Observed	21.24	0.0	6095.41
	4.22.11		None Observed	21.22	0.0	6095.43
	7.27.11		None Observed	21.8	0.0	6094.85
	10.26.11		None Observed	21.94	0.0	6094.71
	1.26.12		None Observed	21.82	0.0	6094.83
	4.19.12		None Observed	21.7	0.0	6094.95
	7.31.12		None Observed	21.88	0.0	6094.77
MW-8	8.10.09	6118.28	None Observed	23.17	0.0	6095.11
	11.24.09		None Observed	23.43	0.0	6094.85
	2.25.10		None Observed	23.25	0.0	6095.03
	4.5.10		None Observed	22.97	0.0	6095.31
	5.27.10		None Observed	22.85	0.0	6095.43
	6.25.10		None Observed	23.01	0.0	6095.27
	7.13.10		None Observed	23.21	0.0	6095.07
	8.26.10		None Observed	23.23	0.0	6095.05
	11.18.10		None Observed	23.3	0.0	6094.98
	1.25.11		None Observed	23.1	0.0	6095.18
	4.22.11		None Observed	22.94	0.0	6095.34
	7.27.11		None Observed	23.56	0.0	6094.72
	10.26.11		None Observed	23.75	0.0	6094.53
	1.26.12		None Observed	23.64	0.0	6094.64
	4.19.12		None Observed	23.54	0.0	6094.74
	7.31.12		None Observed	23.19	0.0	6095.09

TABLE 2
Largo Compressor Station
Groundwater Elevations

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (feet)	Depth to PSH (feet)	Depth to Water (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation
MW-9	8.10.09	6117.83	None Observed	21.95	0.0	6095.88
	11.24.09		None Observed	21.98	0.0	6095.85
	2.25.10		None Observed	21.51	0.0	6096.32
	4.5.10		None Observed	21	0.0	6096.83
	5.27.10		None Observed	21.1	0.0	6096.73
	6.25.10		None Observed	21.56	0.0	6096.27
	7.13.10		None Observed	21.77	0.0	6096.06
	8.26.10		None Observed	21.58	0.0	6096.25
	11.18.10		None Observed	21.61	0.0	6096.22
	1.25.11		None Observed	21.43	0.0	6096.40
	4.22.11		None Observed	21.30	0.0	6096.53
	7.27.11		None Observed	22.15	0.0	6095.68
	10.26.11		None Observed	22.25	0.0	6095.58
	1.26.12		None Observed	22.04	0.0	6095.79
	4.19.12		None Observed	21.88	0.0	6095.95
	7.31.12		None Observed	21.98	0.0	6095.85
MW-11	4.5.10	6116.65	None Observed	20.57	0.0	6096.08
	5.27.10		None Observed	20.75	0.0	6095.90
	6.25.10		None Observed	21.33	0.0	6095.32
	7.13.10		None Observed	21.54	0.0	6095.11
	8.26.10		None Observed	21.17	0.0	6095.48
	11.18.10		None Observed	21.16	0.0	6095.49
	1.25.11		None Observed	21.02	0.0	6095.63
	4.22.11		None Observed	20.91	0.0	6095.74
	7.27.11		None Observed	21.89	0.0	6094.76
	10.26.11		None Observed	21.94	0.0	6094.71
	1.26.12		None Observed	21.64	0.0	6095.01
	4.19.12		None Observed	21.49	0.0	6095.16
	7.31.12		None Observed	21.49	0.0	6095.16
MW-12	4.5.10	6111.24	None Observed	14.88	0.0	6096.36
	5.27.10		None Observed	15.11	0.0	6096.13
	6.25.10		None Observed	15.67	0.0	6095.57
	7.13.10		None Observed	15.91	0.0	6095.33
	8.26.10		None Observed	15.55	0.0	6095.69
	11.18.10		None Observed	16.58	0.0	6094.66
	1.25.11		None Observed	15.73	0.0	6095.51
	4.22.11		None Observed	15.3	0.0	6095.94
	7.27.11		None Observed	16.1	0.0	6095.14
	10.26.11		None Observed	16.21	0.0	6095.03
	1.26.12		None Observed	15.99	0.0	6095.25
	4.19.12		None Observed	15.83	0.0	6095.41
	7.31.12		None Observed	15.83	0.0	6095.41
MW-13	4.5.10	6115.46	None Observed	19.26	0.0	6096.20
	5.27.10		None Observed	19.47	0.0	6095.99
	6.25.10		None Observed	20.07	0.0	6095.39
	7.13.10		None Observed	20.28	0.0	6095.18
	8.26.10		None Observed	19.86	0.0	6095.60
	11.18.10		None Observed	19.91	0.0	6095.55
	1.25.11		None Observed	19.71	0.0	6095.75
	4.22.11		None Observed	19.65	0.0	6095.81
	7.27.11		None Observed	20.59	0.0	6094.87
	10.26.11		None Observed	20.62	0.0	6094.84
	1.26.12		None Observed	20.34	0.0	6095.12
	4.19.12		None Observed	20.19	0.0	6095.27
	7.31.12		None Observed	20.15	0.0	6095.31

TABLE 2
Largo Compressor Station
Groundwater Elevations

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (feet)	Depth to PSH (feet)	Depth to Water (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation
MW-14	4.5.10	6115.99	None Observed	20.09	0.0	6095.90
	5.27.10		None Observed	20.28	0.0	6095.71
	6.25.10		None Observed	20.94	0.0	6095.05
	7.13.10		None Observed	21.19	0.0	6094.80
	8.26.10		None Observed	20.70	0.0	6095.29
	11.18.10		None Observed	20.73	0.0	6095.26
	1.25.11		None Observed	20.52	0.0	6095.47
	4.22.11		None Observed	20.45	0.0	6095.54
	7.27.11		None Observed	21.47	0.0	6094.52
	10.26.11		None Observed	21.48	0.0	6094.51
	1.26.12		None Observed	21.15	0.0	6094.84
	4.19.12		None Observed	21.00	0.0	6094.99
	7.31.12		None Observed	21.00	0.0	6094.99
MW-15	4.5.10	6116.49	None Observed	20.66	0.0	6095.83
	5.27.10		None Observed	20.82	0.0	6095.67
	6.25.10		None Observed	21.43	0.0	6095.06
	7.13.10		None Observed	21.64	0.0	6094.85
	8.26.10		None Observed	21.25	0.0	6095.24
	11.18.10		None Observed	21.36	0.0	6095.13
	1.25.11		None Observed	21.07	0.0	6095.42
	4.22.11		None Observed	20.95	0.0	6095.54
	7.27.11		None Observed	21.95	0.0	6094.54
	10.26.11		None Observed	21.98	0.0	6094.51
	1.26.12		None Observed	21.70	0.0	6094.79
	4.19.12		None Observed	21.56	0.0	6094.93
	7.31.12		None Observed	Errant Gauge	0.0	Errant Gauge
MW-16	4.5.10	6117.57	None Observed	21.51	0.0	6096.06
	5.27.10		None Observed	51.59	0.0	6065.98
	6.25.10		None Observed	22.10	0.0	6095.47
	7.13.10		None Observed	22.29	0.0	6095.28
	8.26.10		None Observed	22.05	0.0	6095.52
	11.18.10		None Observed	22.11	0.0	6095.46
	1.25.11		None Observed	21.87	0.0	6095.70
	4.22.11		None Observed	21.76	0.0	6095.81
	7.27.11		None Observed	22.66	0.0	6094.91
	10.26.11		None Observed	22.71	0.0	6094.86
	1.26.12		None Observed	22.50	0.0	6095.07
	4.19.12		None Observed	22.38	0.0	6095.19
	7.31.12		None Observed	Errant Gauge	0.0	Errant Gauge
MW-32	1.25.11	6110.2	None Observed	12.67	0.0	6097.53
	4.22.11		None Observed	12.49	0.0	6097.71
	7.27.11		None Observed	13.47	0.0	6096.73
	10.26.11		None Observed	13.56	0.0	6096.64
	1.26.12		None Observed	13.23	0.0	6096.97
	4.18.12		None Observed	13.05	0.0	6097.15
	7.30.12		None Observed	14.10	0.0	6096.10
MW-33	1.25.11*	6114	16.08	16.44	0.36	6097.88
	4.22.11		16.59	16.60	0.01	6097.41
	7.27.11		16.07	16.72	0.65	6097.85
	10.26.11		15.55	16.15	0.60	6098.38
	1.26.12		15.83	15.84	0.01	6098.17
	4.18.12		Not Gauged			Not Gauged
	8.31.12		15.4	17.29	1.89	6098.37
MW-34	1.25.11	6115.36	None Observed	17.38	0.0	6097.98
	4.22.11		None Observed	17.20	0.0	6098.16
	7.27.11		None Observed	18.23	0.0	6097.13
	10.26.11		None Observed	18.32	0.0	6097.04
	1.26.12		None Observed	17.98	0.0	6097.38
	4.18.12		None Observed	17.78	0.0	6097.58
	7.30.12		None Observed	17.80	0.0	6097.56

TABLE 2
Largo Compressor Station
Groundwater Elevations

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (feet)	Depth to PSH (feet)	Depth to Water (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation
MW-35	1.25.11*	6112.21	14.5	14.75	0.25	6097.68
	4.22.11		14.22	14.80	0.58	6097.92
	7.27.11		15.11	16.36	1.25	6096.95
	10.26.11		15.14	16.64	1.50	6096.89
	1.26.12		14.72	14.73	0.01	6097.49
	4.18.12		Not Gauged			Not Gauged
	8.31.12		14.43	17.49	3.06	6097.41
MW-36	1.25.11	6111.42	None Observed	13.80	0.0	6097.62
	4.22.11		None Observed	13.65	0.0	6097.77
	7.27.11		None Observed	14.69	0.0	6096.73
	10.26.11		None Observed	14.45	0.0	6096.97
	1.26.12		None Observed	14.41	0.0	6097.01
	4.18.12		None Observed	14.18	0.0	6097.24
	7.30.12		None Observed	14.10	0.0	6097.32
MW-37	1.25.11	6110.79	sheen	12.91	sheen	6097.88
	4.22.11		None Observed	12.78	0.0	6098.01
	7.27.11		13.81	13.84	0.03	6096.98
	10.26.11		13.88	13.92	0.04	6096.91
	1.26.12		13.54	13.54	0.01	6097.26
	4.18.12		Not Gauged			Not Gauged
	7.30.12		sheen	13.15	sheen	6097.64
MW-38	1.25.11	6110.48	None Observed	12.06	0.0	6098.42
	4.22.11		None Observed	11.87	0.0	6098.61
	7.27.11		None Observed	13.01	0.0	6097.47
	10.26.11		None Observed	13.10	0.0	6097.38
	1.26.12		None Observed	12.68	0.0	6097.80
	4.18.12		None Observed	12.11	0.0	6098.37
	7.30.12		None Observed	12.24	0.0	6098.24
MW-39	1.25.11	6113.84	None Observed	16.21	0.0	6097.63
	4.22.11		None Observed	17.35	0.0	6096.49
	7.27.11		None Observed	16.43	0.0	6097.41
	10.26.11		None Observed	16.52	0.0	6097.32
	1.26.12		None Observed	16.57	0.0	6097.27
	4.18.12		None Observed	16.61	0.0	6097.23
	7.30.12		None Observed	16.69	0.0	6097.15
MW-40	1.25.11	6115.69	None Observed	19.16	0.0	6096.53
	4.22.11		None Observed	dry	0.0	dry
	7.27.11		None Observed	dry	0.0	dry
	10.26.11		None Observed	dry	0.0	dry
	1.26.12		None Observed	dry	0.0	dry
MW-40R	4.18.12	6115.61	None Observed	19.58	0.0	6096.03
	7.30.12		None Observed	19.69	0.0	6095.92
MW-41	1.25.11	6112.1	None Observed	14.14	0.0	6097.96
	4.22.11		None Observed	14.18	0.0	6097.92
	7.27.11		None Observed	14.08	0.0	6098.02
	10.26.11		None Observed	14.97	0.0	6097.13
	1.26.12		None Observed	14.20	0.0	6097.90
	4.18.12		None Observed	14.27	0.0	6097.83
	7.30.12		None Observed	14.21	0.0	6097.89
MW-42	1.25.11	6121.5	None Observed	24.88	0.0	6096.62
	4.22.11**		None Observed	Errant Gauge	0.0	Errant Gauge
	7.27.11		None Observed	dry	0.0	dry
	10.26.11		None Observed	25.16	0.0	6096.34
	1.26.12		None Observed	24.92	0.0	6096.58
	4.18.12		Not Gauged			Not Gauged
	7.30.12		dry	dry	dry	dry
MW-43	1.25.11	6112.91	None Observed	15.41	0.0	6097.50
	4.22.11		None Observed	15.30	0.0	6097.61
	7.27.11		None Observed	16.27	0.0	6096.64
	10.26.11		None Observed	16.35	0.0	6096.56
	1.26.12		None Observed	16.05	0.0	6096.86
	4.18.12		None Observed	15.87	0.0	6097.04
	7.30.12		None Observed	15.82	0.0	6097.09

TABLE 2
Largo Compressor Station
Groundwater Elevations

Monitoring Well ID	Measurement Date	Top-of-Casing Elevation (feet)	Depth to PSH (feet)	Depth to Water (feet)	PSH Thickness (feet)	Corrected Groundwater Elevation
MW-47	1.25.11	6114.42	None Observed	19.22	0.0	6095.20
	4.22.11		None Observed	19.02	0.0	6095.40
	7.27.11		None Observed	19.69	0.0	6094.73
	10.26.11		None Observed	19.86	0.0	6094.56
	1.26.12		None Observed	19.79	0.0	6094.63
	4.19.12		None Observed	19.67	0.0	6094.75
	7.31.12		None Observed	19.87	0.0	6094.55
MW-48	4.18.12	6109.21	None Observed	Not Gauged	0.0	Not Gauged
MW-48	7.30.12		None Observed	11.9	0.0	6097.31
MW-49	4.18.12	6109.54	None Observed	12.38	0.0	6097.16
MW-49	7.30.12		None Observed	12.22	0.0	6097.32
MW-50	4.18.12	6120.62	None Observed	24.64	0.0	6095.98
MW-50	7.30.12		None Observed	24.93	0.0	6095.69
MW-51	4.18.12	6113.5	None Observed	18.33	0.0	6095.17
MW-51	7.30.12		None Observed	17.47	0.0	6096.03
MW-52	4.18.12	6118.98	None Observed	21.11	0.0	6097.87
MW-52	7.30.12		None Observed	21.1	0.0	6097.88

* - Regauged 1.31.11 to confirm product thickness

** - Aberrant gauging data

APPENDIX C

Laboratory Data Reports & Chain of Custody
Documentation



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

August 06, 2012

Kyle Summers

Southwest Geoscience
606 S. Rio Grande Unit A
Aztec, NM 87410
TEL: (903) 821-5603
FAX

RE: Largo CS

OrderNo.: 1208117

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 25 sample(s) on 8/2/2012 for the analyses presented in the following report.

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-40R**Project:** Largo CS**Collection Date:** 7/30/2012 7:45:00 AM**Lab ID:** 1208117-001**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 5:12:39 PM
Surr: DNOP	124	79.5-166		%REC	1	8/2/2012 5:12:39 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/2/2012 7:18:01 PM
Surr: BFB	97.5	69.8-119		%REC	1	8/2/2012 7:18:01 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/2/2012 7:18:01 PM
Toluene	ND	1.0		µg/L	1	8/2/2012 7:18:01 PM
Ethylbenzene	ND	1.0		µg/L	1	8/2/2012 7:18:01 PM
Xylenes, Total	ND	2.0		µg/L	1	8/2/2012 7:18:01 PM
Surr: 4-Bromofluorobenzene	98.0	55-140		%REC	1	8/2/2012 7:18:01 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-50

Project: Largo CS

Collection Date: 7/30/2012 8:45:00 AM

Lab ID: 1208117-002

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 5:39:02 PM
Surr: DNOP	122	79.5-166		%REC	1	8/2/2012 5:39:02 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/2/2012 7:46:54 PM
Surr: BFB	96.4	69.8-119		%REC	1	8/2/2012 7:46:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/2/2012 7:46:54 PM
Toluene	ND	1.0		µg/L	1	8/2/2012 7:46:54 PM
Ethylbenzene	ND	1.0		µg/L	1	8/2/2012 7:46:54 PM
Xylenes, Total	ND	2.0		µg/L	1	8/2/2012 7:46:54 PM
Surr: 4-Bromofluorobenzene	99.8	55-140		%REC	1	8/2/2012 7:46:54 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-32

Project: Largo CS

Collection Date: 7/30/2012 10:00:00 AM

Lab ID: 1208117-003

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 6:05:10 PM
Surr: DNOP	125	79.5-166		%REC	1	8/2/2012 6:05:10 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/2/2012 8:15:45 PM
Surr: BFB	95.9	69.8-119		%REC	1	8/2/2012 8:15:45 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/2/2012 8:15:45 PM
Toluene	ND	1.0		µg/L	1	8/2/2012 8:15:45 PM
Ethylbenzene	ND	1.0		µg/L	1	8/2/2012 8:15:45 PM
Xylenes, Total	ND	2.0		µg/L	1	8/2/2012 8:15:45 PM
Surr: 4-Bromofluorobenzene	99.6	55-140		%REC	1	8/2/2012 8:15:45 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-34

Project: Largo CS

Collection Date: 7/30/2012 10:45:00 AM

Lab ID: 1208117-004

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 6:31:19 PM
Surr: DNOP	125	79.5-166		%REC	1	8/2/2012 6:31:19 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/2/2012 8:44:34 PM
Surr: BFB	96.5	69.8-119		%REC	1	8/2/2012 8:44:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/2/2012 8:44:34 PM
Toluene	ND	1.0		µg/L	1	8/2/2012 8:44:34 PM
Ethylbenzene	ND	1.0		µg/L	1	8/2/2012 8:44:34 PM
Xylenes, Total	ND	2.0		µg/L	1	8/2/2012 8:44:34 PM
Surr: 4-Bromofluorobenzene	102	55-140		%REC	1	8/2/2012 8:44:34 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-43

Project: Largo CS

Collection Date: 7/30/2012 11:20:00 AM

Lab ID: 1208117-005

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 6:57:32 PM
Surr: DNOP	127	79.5-166		%REC	1	8/2/2012 6:57:32 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/3/2012 12:05:41 AM
Surr: BFB	94.7	69.8-119		%REC	1	8/3/2012 12:05:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/3/2012 12:05:41 AM
Toluene	ND	1.0		µg/L	1	8/3/2012 12:05:41 AM
Ethylbenzene	ND	1.0		µg/L	1	8/3/2012 12:05:41 AM
Xylenes, Total	ND	2.0		µg/L	1	8/3/2012 12:05:41 AM
Surr: 4-Bromofluorobenzene	97.0	55-140		%REC	1	8/3/2012 12:05:41 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-41**Project:** Largo CS**Collection Date:** 7/30/2012 11:55:00 AM**Lab ID:** 1208117-006**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 7:23:40 PM
Surr: DNOP	123	79.5-166		%REC	1	8/2/2012 7:23:40 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/3/2012 12:34:31 AM
Surr: BFB	95.7	69.8-119		%REC	1	8/3/2012 12:34:31 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/3/2012 12:34:31 AM
Toluene	ND	1.0		µg/L	1	8/3/2012 12:34:31 AM
Ethylbenzene	ND	1.0		µg/L	1	8/3/2012 12:34:31 AM
Xylenes, Total	ND	2.0		µg/L	1	8/3/2012 12:34:31 AM
Surr: 4-Bromofluorobenzene	101	55-140		%REC	1	8/3/2012 12:34:31 AM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-51**Project:** Largo CS**Collection Date:** 7/30/2012 12:35:00 PM**Lab ID:** 1208117-007**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 7:49:49 PM
Surr: DNOP	124	79.5-166		%REC	1	8/2/2012 7:49:49 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	1.3	0.25		mg/L	5	8/3/2012 2:40:07 PM
Surr: BFB	101	69.8-119		%REC	5	8/3/2012 2:40:07 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	51	5.0		µg/L	5	8/3/2012 2:40:07 PM
Toluene	5.5	5.0		µg/L	5	8/3/2012 2:40:07 PM
Ethylbenzene	17	5.0		µg/L	5	8/3/2012 2:40:07 PM
Xylenes, Total	78	10		µg/L	5	8/3/2012 2:40:07 PM
Surr: 4-Bromofluorobenzene	106	55-140		%REC	5	8/3/2012 2:40:07 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
 E Value above quantitation range
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit
 U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-52**Project:** Largo CS**Collection Date:** 7/30/2012 1:10:00 PM**Lab ID:** 1208117-008**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 8:41:51 PM
Surr: DNOP	127	79.5-166		%REC	1	8/2/2012 8:41:51 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/3/2012 1:32:00 AM
Surr: BFB	96.4	69.8-119		%REC	1	8/3/2012 1:32:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/3/2012 1:32:00 AM
Toluene	ND	1.0		µg/L	1	8/3/2012 1:32:00 AM
Ethylbenzene	ND	1.0		µg/L	1	8/3/2012 1:32:00 AM
Xylenes, Total	ND	2.0		µg/L	1	8/3/2012 1:32:00 AM
Surr: 4-Bromofluorobenzene	101	55-140		%REC	1	8/3/2012 1:32:00 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
 E Value above quantitation range
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit
 U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-39

Project: Largo CS

Collection Date: 7/30/2012 1:45:00 PM

Lab ID: 1208117-009

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 9:07:34 PM
Surr: DNOP	129	79.5-166		%REC	1	8/2/2012 9:07:34 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	0.58	0.10		mg/L	2	8/3/2012 3:08:57 PM
Surr: BFB	99.6	69.8-119		%REC	2	8/3/2012 3:08:57 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	170	2.0		µg/L	2	8/3/2012 3:08:57 PM
Toluene	ND	2.0		µg/L	2	8/3/2012 3:08:57 PM
Ethylbenzene	ND	2.0		µg/L	2	8/3/2012 3:08:57 PM
Xylenes, Total	8.6	4.0		µg/L	2	8/3/2012 3:08:57 PM
Surr: 4-Bromofluorobenzene	106	55-140		%REC	2	8/3/2012 3:08:57 PM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-38

Project: Largo CS

Collection Date: 7/30/2012 2:35:00 PM

Lab ID: 1208117-010

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 9:33:09 PM
Surr: DNOP	129	79.5-166		%REC	1	8/2/2012 9:33:09 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/3/2012 2:58:09 AM
Surr: BFB	94.1	69.8-119		%REC	1	8/3/2012 2:58:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/3/2012 2:58:09 AM
Toluene	ND	1.0		µg/L	1	8/3/2012 2:58:09 AM
Ethylbenzene	ND	1.0		µg/L	1	8/3/2012 2:58:09 AM
Xylenes, Total	ND	2.0		µg/L	1	8/3/2012 2:58:09 AM
Surr: 4-Bromofluorobenzene	97.8	55-140		%REC	1	8/3/2012 2:58:09 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-36

Project: Largo CS

Collection Date: 7/30/2012 3:15:00 PM

Lab ID: 1208117-011

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JPM
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 9:58:38 PM
Surr: DNOP	130	79.5-166		%REC	1	8/2/2012 9:58:38 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/3/2012 3:26:47 AM
Surr: BFB	96.0	69.8-119		%REC	1	8/3/2012 3:26:47 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/3/2012 3:26:47 AM
Toluene	ND	1.0		µg/L	1	8/3/2012 3:26:47 AM
Ethylbenzene	ND	1.0		µg/L	1	8/3/2012 3:26:47 AM
Xylenes, Total	ND	2.0		µg/L	1	8/3/2012 3:26:47 AM
Surr: 4-Bromofluorobenzene	100	55-140		%REC	1	8/3/2012 3:26:47 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-49

Project: Largo CS

Collection Date: 7/30/2012 3:55:00 PM

Lab ID: 1208117-012

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JPM
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 10:24:22 PM
Surr: DNOP	131	79.5-166		%REC	1	8/2/2012 10:24:22 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/3/2012 3:55:29 AM
Surr: BFB	95.9	69.8-119		%REC	1	8/3/2012 3:55:29 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/3/2012 3:55:29 AM
Toluene	ND	1.0		µg/L	1	8/3/2012 3:55:29 AM
Ethylbenzene	ND	1.0		µg/L	1	8/3/2012 3:55:29 AM
Xylenes, Total	ND	2.0		µg/L	1	8/3/2012 3:55:29 AM
Surr: 4-Bromofluorobenzene	98.6	55-140		%REC	1	8/3/2012 3:55:29 AM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-48**Project:** Largo CS**Collection Date:** 7/30/2012 4:30:00 PM**Lab ID:** 1208117-013**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 10:49:55 PM
Surr: DNOP	132	79.5-166		%REC	1	8/2/2012 10:49:55 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	15	1.0		mg/L	20	8/3/2012 4:06:30 PM
Surr: BFB	110	69.8-119		%REC	20	8/3/2012 4:06:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	120	20		µg/L	20	8/3/2012 4:06:30 PM
Toluene	1100	20		µg/L	20	8/3/2012 4:06:30 PM
Ethylbenzene	160	20		µg/L	20	8/3/2012 4:06:30 PM
Xylenes, Total	2900	40		µg/L	20	8/3/2012 4:06:30 PM
Surr: 4-Bromofluorobenzene	111	55-140		%REC	20	8/3/2012 4:06:30 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-8**Project:** Largo CS**Collection Date:** 7/31/2012 7:35:00 AM**Lab ID:** 1208117-014**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/2/2012 11:15:31 PM
Surr: DNOP	130	79.5-166		%REC	1	8/2/2012 11:15:31 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/3/2012 5:04:02 PM
Surr: BFB	95.8	69.8-119		%REC	1	8/3/2012 5:04:02 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/3/2012 5:04:02 PM
Toluene	ND	1.0		µg/L	1	8/3/2012 5:04:02 PM
Ethylbenzene	ND	1.0		µg/L	1	8/3/2012 5:04:02 PM
Xylenes, Total	ND	2.0		µg/L	1	8/3/2012 5:04:02 PM
Surr: 4-Bromofluorobenzene	98.8	55-140		%REC	1	8/3/2012 5:04:02 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
 E Value above quantitation range
 J Analyte detected below quantitation limits
 R RPD outside accepted recovery limits
 S Spike Recovery outside accepted recovery limits

 B Analyte detected in the associated Method Blank
 H Holding times for preparation or analysis exceeded
 ND Not Detected at the Reporting Limit
 RL Reporting Detection Limit
 U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-47

Project: Largo CS

Collection Date: 7/31/2012 8:15:00 AM

Lab ID: 1208117-015

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	2.9	1.0		mg/L	1	8/2/2012 11:41:08 PM
Surr: DNOP	131	79.5-166		%REC	1	8/2/2012 11:41:08 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	4.5	0.50		mg/L	10	8/5/2012 1:41:43 PM
Surr: BFB	151	69.8-119	S	%REC	10	8/5/2012 1:41:43 PM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	10		µg/L	10	8/5/2012 1:41:43 PM
Toluene	ND	10		µg/L	10	8/5/2012 1:41:43 PM
Ethylbenzene	ND	10		µg/L	10	8/5/2012 1:41:43 PM
Xylenes, Total	ND	20		µg/L	10	8/5/2012 1:41:43 PM
Surr: 4-Bromofluorobenzene	111	55-140		%REC	10	8/5/2012 1:41:43 PM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-14

Project: Largo CS

Collection Date: 7/31/2012 8:55:00 AM

Lab ID: 1208117-016

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/3/2012 12:06:54 AM
Surr: DNOP	131	79.5-166		%REC	1	8/3/2012 12:06:54 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/4/2012 1:08:02 AM
Surr: BFB	85.8	69.8-119		%REC	1	8/4/2012 1:08:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/4/2012 1:08:02 AM
Toluene	ND	1.0		µg/L	1	8/4/2012 1:08:02 AM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2012 1:08:02 AM
Xylenes, Total	ND	2.0		µg/L	1	8/4/2012 1:08:02 AM
Surr: 4-Bromofluorobenzene	80.5	55-140		%REC	1	8/4/2012 1:08:02 AM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-15

Project: Largo CS

Collection Date: 7/31/2012 9:35:00 AM

Lab ID: 1208117-017

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/3/2012 12:32:17 AM
Surr: DNOP	131	79.5-166		%REC	1	8/3/2012 12:32:17 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	0.22	0.050		mg/L	1	8/4/2012 1:38:14 AM
Surr: BFB	96.1	69.8-119		%REC	1	8/4/2012 1:38:14 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	64	1.0		µg/L	1	8/4/2012 1:38:14 AM
Toluene	ND	1.0		µg/L	1	8/4/2012 1:38:14 AM
Ethylbenzene	1.1	1.0		µg/L	1	8/4/2012 1:38:14 AM
Xylenes, Total	ND	2.0		µg/L	1	8/4/2012 1:38:14 AM
Surr: 4-Bromofluorobenzene	89.3	55-140		%REC	1	8/4/2012 1:38:14 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-3R**Project:** Largo CS**Collection Date:** 7/31/2012 10:15:00 AM**Lab ID:** 1208117-018**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/3/2012 1:23:14 AM
Surr: DNOP	130	79.5-166		%REC	1	8/3/2012 1:23:14 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	0.36	0.050		mg/L	1	8/4/2012 2:08:26 AM
Surr: BFB	199	69.8-119	S	%REC	1	8/4/2012 2:08:26 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/4/2012 2:08:26 AM
Toluene	ND	1.0		µg/L	1	8/4/2012 2:08:26 AM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2012 2:08:26 AM
Xylenes, Total	ND	2.0		µg/L	1	8/4/2012 2:08:26 AM
Surr: 4-Bromofluorobenzene	115	55-140		%REC	1	8/4/2012 2:08:26 AM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-13**Project:** Largo CS**Collection Date:** 7/31/2012 11:35:00 AM**Lab ID:** 1208117-019**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/3/2012 1:48:36 AM
Surr: DNOP	133	79.5-166		%REC	1	8/3/2012 1:48:36 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/4/2012 2:38:29 AM
Surr: BFB	99.1	69.8-119		%REC	1	8/4/2012 2:38:29 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/4/2012 2:38:29 AM
Toluene	ND	1.0		µg/L	1	8/4/2012 2:38:29 AM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2012 2:38:29 AM
Xylenes, Total	ND	2.0		µg/L	1	8/4/2012 2:38:29 AM
Surr: 4-Bromofluorobenzene	93.6	55-140		%REC	1	8/4/2012 2:38:29 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-6**Project:** Largo CS**Collection Date:** 7/31/2012 12:15:00 PM**Lab ID:** 1208117-020**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/3/2012 2:14:00 AM
Surr: DNOP	132	79.5-166		%REC	1	8/3/2012 2:14:00 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/4/2012 3:08:36 AM
Surr: BFB	91.6	69.8-119		%REC	1	8/4/2012 3:08:36 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/4/2012 3:08:36 AM
Toluene	ND	1.0		µg/L	1	8/4/2012 3:08:36 AM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2012 3:08:36 AM
Xylenes, Total	ND	2.0		µg/L	1	8/4/2012 3:08:36 AM
Surr: 4-Bromofluorobenzene	85.8	55-140		%REC	1	8/4/2012 3:08:36 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-9

Project: Largo CS

Collection Date: 7/31/2012 12:55:00 PM

Lab ID: 1208117-021

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/3/2012 9:22:39 AM
Surr: DNOP	114	79.5-166		%REC	1	8/3/2012 9:22:39 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/4/2012 3:38:40 AM
Surr: BFB	99.1	69.8-119		%REC	1	8/4/2012 3:38:40 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/4/2012 3:38:40 AM
Toluene	ND	1.0		µg/L	1	8/4/2012 3:38:40 AM
Ethylbenzene	ND	1.0		µg/L	1	8/4/2012 3:38:40 AM
Xylenes, Total	ND	2.0		µg/L	1	8/4/2012 3:38:40 AM
Surr: 4-Bromofluorobenzene	93.0	55-140		%REC	1	8/4/2012 3:38:40 AM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-16**Project:** Largo CS**Collection Date:** 7/31/2012 1:45:00 PM**Lab ID:** 1208117-022**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/3/2012 9:44:20 AM
Surr: DNOP	124	79.5-166		%REC	1	8/3/2012 9:44:20 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	0.23	0.050		mg/L	1	8/4/2012 4:08:51 AM
Surr: BFB	122	69.8-119	S	%REC	1	8/4/2012 4:08:51 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	46	1.0		µg/L	1	8/4/2012 4:08:51 AM
Toluene	ND	1.0		µg/L	1	8/4/2012 4:08:51 AM
Ethylbenzene	1.9	1.0		µg/L	1	8/4/2012 4:08:51 AM
Xylenes, Total	ND	2.0		µg/L	1	8/4/2012 4:08:51 AM
Surr: 4-Bromofluorobenzene	98.2	55-140		%REC	1	8/4/2012 4:08:51 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-11**Project:** Largo CS**Collection Date:** 7/31/2012 2:25:00 PM**Lab ID:** 1208117-023**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/3/2012 10:06:12 AM
Surr: DNOP	122	79.5-166		%REC	1	8/3/2012 10:06:12 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	0.24	0.050		mg/L	1	8/4/2012 4:39:06 AM
Surr: BFB	93.6	69.8-119		%REC	1	8/4/2012 4:39:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	36	1.0		µg/L	1	8/4/2012 4:39:06 AM
Toluene	ND	1.0		µg/L	1	8/4/2012 4:39:06 AM
Ethylbenzene	2.6	1.0		µg/L	1	8/4/2012 4:39:06 AM
Xylenes, Total	ND	2.0		µg/L	1	8/4/2012 4:39:06 AM
Surr: 4-Bromofluorobenzene	83.0	55-140		%REC	1	8/4/2012 4:39:06 AM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.**Analytical Report**

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience**Client Sample ID:** MW-12**Project:** Largo CS**Collection Date:** 7/31/2012 3:10:00 PM**Lab ID:** 1208117-024**Matrix:** AQUEOUS**Received Date:** 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	3.3	1.0		mg/L	1	8/3/2012 10:27:55 AM
Surr: DNOP	130	79.5-166		%REC	1	8/3/2012 10:27:55 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	17	2.5		mg/L	50	8/4/2012 7:41:33 AM
Surr: BFB	101	69.8-119		%REC	50	8/4/2012 7:41:33 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	4600	50		µg/L	50	8/4/2012 7:41:33 AM
Toluene	ND	50		µg/L	50	8/4/2012 7:41:33 AM
Ethylbenzene	160	50		µg/L	50	8/4/2012 7:41:33 AM
Xylenes, Total	920	100		µg/L	50	8/4/2012 7:41:33 AM
Surr: 4-Bromofluorobenzene	100	55-140		%REC	50	8/4/2012 7:41:33 AM

Qualifiers: * / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 1208117

Date Reported: 8/6/2012

CLIENT: Southwest Geoscience

Client Sample ID: MW-7

Project: Largo CS

Collection Date: 7/31/2012 11:00:00 AM

Lab ID: 1208117-025

Matrix: AQUEOUS

Received Date: 8/2/2012 9:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: JMP
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/3/2012 10:49:47 AM
Surr: DNOP	128	79.5-166		%REC	1	8/3/2012 10:49:47 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: NSB
Gasoline Range Organics (GRO)	6.4	0.50		mg/L	10	8/4/2012 8:42:03 AM
Surr: BFB	105	69.8-119		%REC	10	8/4/2012 8:42:03 AM
EPA METHOD 8021B: VOLATILES						Analyst: NSB
Benzene	2500	100		µg/L	100	8/5/2012 1:11:40 PM
Toluene	ND	10		µg/L	10	8/4/2012 8:42:03 AM
Ethylbenzene	35	10		µg/L	10	8/4/2012 8:42:03 AM
Xylenes, Total	ND	20		µg/L	10	8/4/2012 8:42:03 AM
Surr: 4-Bromofluorobenzene	97.0	55-140		%REC	10	8/4/2012 8:42:03 AM

Qualifiers: */X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit
U Samples with CalcVal < MDL

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208117

06-Aug-12

Client: Southwest Geoscience

Project: Largo CS

Sample ID	MB-3162		SampType: MBLK		TestCode: EPA Method 8015B: Diesel Range					
Client ID:	PBW		Batch ID: 3162		RunNo: 4601					
Prep Date:	8/2/2012		Analysis Date: 8/2/2012		SeqNo: 129536		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	1.0								
Surr: DNOP	1.2		1.000		124	79.5	166			

Sample ID	LCS-3162		SampType: LCS		TestCode: EPA Method 8015B: Diesel Range					
Client ID:	LCSW		Batch ID: 3162		RunNo: 4601					
Prep Date:	8/2/2012		Analysis Date: 8/2/2012		SeqNo: 129537		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.1	1.0	5.000	0	101	74	157			
Surr: DNOP	0.52		0.5000		104	79.5	166			

Sample ID	LCSD-3162		SampType: LCSD		TestCode: EPA Method 8015B: Diesel Range					
Client ID:	LCSS02		Batch ID: 3162		RunNo: 4601					
Prep Date:	8/2/2012		Analysis Date: 8/2/2012		SeqNo: 129538		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	5.3	1.0	5.000	0	107	74	157	5.10	23	
Surr: DNOP	0.52		0.5000		103	79.5	166	0	0	

Sample ID	MB-3178		SampType:	MBLK		TestCode:	EPA Method 8015B: Diesel Range				
Client ID:	PBW		Batch ID:	3178		RunNo:	4631				
Prep Date:	8/3/2012		Analysis Date:	8/3/2012		SeqNo:	130080		Units: mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	1.0									
Surr: DNOP	1.3		1.000		127	79.5	166				

Sample ID	LCS-3178		SampType:	LCS		TestCode:	EPA Method 8015B: Diesel Range				
Client ID:	LCSW		Batch ID:	3178		RunNo:	4631				
Prep Date:	8/3/2012		Analysis Date:	8/3/2012		SeqNo:	130081		Units: mg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	4.4	1.0	5.000	0	87.9	74	157				
Surr: DNOP	0.48		0.5000		96.9	79.5	166				

Sample ID	LCSD-3178		SampType: LCSD		TestCode: EPA Method 8015B: Diesel Range					
Client ID:	LCSS02		Batch ID: 3178		RunNo: 4631					
Prep Date:	8/3/2012		Analysis Date: 8/3/2012		SeqNo: 130082		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	4.5	1.0	5.000	0	90.4	74	157	2.85	23	
Surr: DNOP	0.48		0.5000		96.3	79.5	166	0	0	

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208117

06-Aug-12

Client: Southwest Geoscience

Project: Largo CS

Sample ID	B11	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBW	Batch ID:	R4611	RunNo:	4611					
Prep Date:		Analysis Date:	8/2/2012	SeqNo:	130185	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	20		20.00		99.3	69.8	119			

Sample ID	2.5UG GRO LCSB	SampType:	LCS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	LCSW	Batch ID:	R4611	RunNo:	4611					
Prep Date:		Analysis Date:	8/2/2012	SeqNo:	130186	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.43	0.050	0.5000	0	85.8	75.9	119			
Surr: BFB	21		20.00		103	69.8	119			

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBW	Batch ID:	R4658	RunNo:	4658					
Prep Date:		Analysis Date:	8/3/2012	SeqNo:	130959	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	21		20.00		105	69.8	119			

Sample ID	B25	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBW	Batch ID:	R4658	RunNo:	4658					
Prep Date:		Analysis Date:	8/3/2012	SeqNo:	130969	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	20		20.00		102	69.8	119			

Sample ID	2.5UG GRO LCS-II	SampType:	LCS	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	LCSW	Batch ID:	R4658	RunNo:	4658					
Prep Date:		Analysis Date:	8/3/2012	SeqNo:	130970	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.45	0.050	0.5000	0	90.0	75.9	119			
Surr: BFB	16		20.00		82.4	69.8	119			

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8015B: Gasoline Range					
Client ID:	PBW	Batch ID:	R4669	RunNo:	4669					
Prep Date:		Analysis Date:	8/5/2012	SeqNo:	131246	Units:	mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	0.050								
Surr: BFB	20		20.00		97.6	69.8	119			

Qualifiers:

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E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208117

06-Aug-12

Client: Southwest Geoscience

Project: Largo CS

Sample ID	2.5UG GRO LCS	SampType: LCS			TestCode: EPA Method 8015B: Gasoline Range					
Client ID:	LCSW	Batch ID: R4669			RunNo: 4669					
Prep Date:		Analysis Date: 8/5/2012			SeqNo: 131248		Units: mg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	0.47	0.050	0.5000	0	93.6	75.9	119			
Surr: BFB	19		20.00		95.8	69.8	119			

Qualifiers:

* /X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208117

06-Aug-12

Client: Southwest Geoscience

Project: Largo CS

Sample ID	B11	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBW	Batch ID:	R4611	RunNo:	4611					
Prep Date:		Analysis Date:	8/2/2012	SeqNo:	130234	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	21		20.00		106	55	140			

Sample ID	5ML RB	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBW	Batch ID:	R4658	RunNo:	4658					
Prep Date:		Analysis Date:	8/3/2012	SeqNo:	130988	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	21		20.00		104	55	140			

Sample ID	100NG BTEX LCS	SampType:	LCS	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	LCSW	Batch ID:	R4658	RunNo:	4658					
Prep Date:		Analysis Date:	8/3/2012	SeqNo:	130989	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	101	80	120			
Toluene	20	1.0	20.00	0	101	80	120			
Ethylbenzene	21	1.0	20.00	0	103	80	120			
Xylenes, Total	63	2.0	60.00	0	104	80	120			
Surr: 4-Bromofluorobenzene	21		20.00		104	55	140			

Sample ID	B30	SampType:	MBLK	TestCode:	EPA Method 8021B: Volatiles					
Client ID:	PBW	Batch ID:	R4658	RunNo:	4658					
Prep Date:		Analysis Date:	8/3/2012	SeqNo:	130997	Units:	µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	20		20.00		100	55	140			

Qualifiers:

* / X Value exceeds Maximum Contaminant Level.
E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits

B Analyte detected in the associated Method Blank
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 1208117

06-Aug-12

Client: Southwest Geoscience

Project: Largo CS

Sample ID	100NG BTEX LCS-II			SampType:	LCS		TestCode:	EPA Method 8021B: Volatiles			
Client ID:	LCSW		Batch ID:	R4658		RunNo:	4658				
Prep Date:			Analysis Date:	8/3/2012		SeqNo:	130998		Units: µg/L		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	20	1.0	20.00	0	100	80	120				
Toluene	20	1.0	20.00	0	101	80	120				
Ethylbenzene	20	1.0	20.00	0	101	80	120				
Xylenes, Total	62	2.0	60.00	0	104	80	120				
Surr: 4-Bromofluorobenzene	18		20.00		87.7	55	140				

Sample ID	5ML RB	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles					
Client ID:	PBW	Batch ID: R4669			RunNo: 4669					
Prep Date:		Analysis Date: 8/5/2012			SeqNo: 131255		Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	1.0								
Toluene	ND	1.0								
Ethylbenzene	ND	1.0								
Xylenes, Total	ND	2.0								
Surr: 4-Bromofluorobenzene	20		20.00		97.9	55	140			

Sample ID	100NG BTEX LCS		SampType: LCS		TestCode: EPA Method 8021B: Volatiles					
Client ID:	LCSW		Batch ID: R4669		RunNo: 4669					
Prep Date:			Analysis Date: 8/5/2012		SeqNo: 131256		Units: µg/L			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	20	1.0	20.00	0	102	80	120			
Toluene	20	1.0	20.00	0	101	80	120			
Ethylbenzene	21	1.0	20.00	0	103	80	120			
Xylenes, Total	62	2.0	60.00	0	104	80	120			
Surr: 4-Bromofluorobenzene	17		20.00		86.6	55	140			

Qualifiers:

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H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
RL Reporting Detection Limit

Sample Log-In Check List

Client Name: Southwest Geoscience Aztec Work Order Number: 1208117

Received by/date: MG 08/02/12

Logged By: Anne Thorne 8/2/2012 9:55:00 AM *Anne Thorne*

Completed By: Anne Thorne 8/2/2012 *Anne Thorne*

Reviewed By: *[Signature]* 08/02/12

Chain of Custody

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

Log In

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

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: _____

Special Handling (if applicable)

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

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

18. Additional remarks:

19. Cooler Information

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

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE Environmental & Hydrogeologic Consultants		Laboratory: <u>HALL</u> Address: <u>ABQ</u> Contact: <u>Andy Freeman</u> Phone: _____ PO/SO #: _____		ANALYSIS REQUESTED										Lab use only Due Date: _____ Temp. of coolers when received (C°): <u>1.0</u> 12345 Page <u>1</u> of <u>3</u>										
		Office Location: <u>Aztec</u> Project Manager: <u>K Summers</u>												Sampler's Name: <u>A. Bentley</u> Sampler's Signature: <u>[Signature]</u>										
Proj. No.: <u>0460002</u>		Project Name: <u>Largo CS</u>				No/Type of Containers: _____				Lab Sample ID (Lab Use Only)														
Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 L											250 ml	P/O			
W	7/30/12	0745	✓	✓	MW-40R			S														x	x	1208117-001
W		0845	✓	✓	MW-50																			-002
W		1000	✓	✓	MW-32																			-003
W		1045	✓	✓	MW-34																			-004
W		1120	✓	✓	MW-43																			-005
W		1155	✓	✓	MW-41																			-006
W		1235	✓	✓	MW-51																			-007
W		1310	✓	✓	MW-52																			-008
W		1345	✓	✓	MW-39									-009										
W	✓	1435	✓	✓	MW-38			↓				↓	↓	-010										

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature): <u>[Signature]</u>	Date: <u>7/31/12</u>	Time: <u>1620</u>	Received by (Signature): <u>[Signature]</u>	Date: <u>7/31/12</u>	Time: <u>1620</u>	NOTES:
Relinquished by (Signature): <u>[Signature]</u>	Date: <u>7/31/12</u>	Time: <u>1700</u>	Received by (Signature): <u>[Signature]</u>	Date: <u>7/31/12</u>	Time: <u>1700</u>	
Relinquished by (Signature): <u>[Signature]</u>	Date: <u>8/1/12</u>	Time: <u>1801</u>	Received by (Signature): <u>[Signature]</u>	Date: <u>08/02/12</u>	Time: <u>0955</u>	
Relinquished by (Signature): _____	Date: _____	Time: _____	Received by (Signature): _____	Date: _____	Time: _____	

Matrix Container: WW - Wastewater VOA - 40 ml vial W - Water A/G - Amber / Or Glass 1 Liter S - Soil SD - Solid L - Liquid A - Air Bag 250 ml - Glass wide mouth C - Charcoal tube SL - sludge O - Oil P/O - Plastic or other

Southwest
GEOSCIENCE
Environmental & Hydrogeologic Consultants

SOUTHWEST GEOSCIENCE • 2351 W. Northwest Hwy., Suite 3321 • Dallas, Texas 75220 • Office: 214-350-5469 • Fax 214-350-2914

CHAIN OF CUSTODY RECORD

**Southwest
GEOSCIENCE**
Environmental & Hydrogeologic Consultants

Laboratory: HALLAddress: ABQOffice Location: AztecContact: Andy Freeman

Phone: _____

Project Manager: K. Summers

PO/SO #: _____

Sampler's Name

Sampler's Signature

A. BentleyAndy Freeman

Proj. No.

Project Name

No/Type of Containers

0410002Largo CS

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 L.	250 ml	P/O	Lab Sample ID (Lab Use Only)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
W	7/31/12	1215	☒	☒	MW-6			5				X	X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

Turn around time ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)

Date:

Time:

Received by (Signature)

Date:

Time:

NOTES:

Relinquished by (Signature)

Date:

Time:

Received by (Signature)

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Date:

Time:

Received by (Signature)

Date:

Time:

Relinquished by (Signature)

Date:

Time:

Received by (Signature)

Date:

Time:

Matrix
ContainerWW - Wastewater
VOA - 40 ml vialW - Water
A/G - Amber / Or Glass 1 LiterS - Soil
SD - SolidL - Liquid
250 ml - Glass wide mouthA - Air Bag
250 ml - Glass wide mouthC - Charcoal tube
P/O - Plastic or other

SL - sludge

O - Oil

