GW-211

Q4 2012 Sampling Report

Date: 11/13/2013

OIL CONS. DIV DIST. 3 NOV 2 9 2012

QUARTERLY GROUNDWATER MONITORING REPORT (October 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 November 13, 2012

Prepared for: Enterprise Field Services, LLC P.O. Box 4624 Houston, Texas 77210-4324 Attention: Mr. David R. Smith, P.G.

PREPARED BY:

armin

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Kyle Summers, C.P.G. Senior Geologist/ Manager, Four Corners Office

B. Chris Mitchell, P.G. Principal Geoscientist





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QUARTERLY GROUNDWATER MONITORING REPORT (October 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)*. The old condensate storage tanks were physically removed from Area 1 during July/August 2012.

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 between October 16th and October 19th, 2012 by Kyle Summers, 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). Monitoring wells exhibiting LNAPL were not sampled.

Each monitoring well was micro-purged utilizing low-flow sampling techniques. Lowflow 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, 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. Additionally, groundwater samples were collected from monitoring wells MW-6, MW-38, MW-40R, MW-43, and MW-52 for laboratory analysis of Total Dissolved Solids (TDS). In accordance with method protocol (SM2540C Modified), the TDS sample containers contained no chemical preservative, while the containers containing the samples for organic analyses were pre-preserved with HgCl₂.

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 |
|-------------|-------------|----------------|---------------|
| TPH GRO/DRO | Groundwater | 24 | SW-846# 8015M |
| BTEX | Groundwater | 24 | SW-846# 8021B |
| TDS | Groundwater | 6 | SM2540C Mod |

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 October 2012 are presented with TOC elevations in Table 2, Appendix B. A groundwater gradient map for the October 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 October 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 groundwaterbearing unit, monitoring wells MW-12, MW-33, MW-35, and MW-37 were not sampled during the completion of field activities. Monitoring well MW-42 was dry during the October 2012 groundwater sampling event.

The groundwater samples collected from monitoring wells MW-7, MW-11, MW-15, MW-16, MW-39, MW-48, and MW-51 exhibited benzene concentrations ranging from 13 µg/L to 8,200 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 580 μ g/L, which is below the WQCC *Groundwater Quality Standard* of 750 μ g/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-3R, MW-7, MW-11, MW-15, MW-16, MW-48, and MW-51 exhibited ethylbenzene concentrations ranging from 1.2 μ g/L to 150 μ g/L, which are below the WQCC *Groundwater Quality Standard* of 750 μ g/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 well MW-48 exhibited a xylene concentration of 1,700 µg/L, which exceeds the WQCC *Groundwater Quality Standard* of 620 µg/L. The groundwater samples collected from monitoring wells MW-3R, MW-7, MW-11, MW-15, MW-47, and MW-51 exhibited xylene concentrations ranging from 2.8 µg/L to 91 µg/L, 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 October 2012 exhibited TPH GRO concentrations ranging from <0.050 mg/L to 32 mg/L, and TPH DRO concentrations ranging from <1.0 mg/L to 2.5 mg/L. The highest GRO concentration during the October 2012 sampling event was observed in the groundwater sample from monitoring well MW-7 (32 mg/L) and the highest DRO concentration was also observed in the sample from MW-7 (2.5 mg/L).

Total Dissolved Solids

The TDS analyses performed on samples from six (6) of the unaffected monitoring wells demonstrated a wide variation in groundwater quality across the Site with TDS concentrations ranging from 3,000 mg/L to 30,200 mg/L. The only prior TDS sample that was collected at the Site came from upgradient monitoring well MW-42 (75,400 mg/L, March 2011) which is currently dry. Of the TDS samples collected to date, many of the elevated concentrations appear to be present at locations up- or cross-gradient to historical facility operations and known areas of impact, and are likely naturally occurring levels in those areas.

6.0 FINDINGS

During October 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. Monitoring wells MW-12, MW-33, MW-35, and MW-37 exhibited LNAPL and were not sampled. This is the first event that monitoring well MW-12 has exhibited LNAPL. Although the product thickness at MW-12 was minimal, the hydrocarbon odor was noticeable, and beads of apparent product were evident on the interface probe. The appearance of this small amount of NAPL is potentially the result of the flushing of soils by heavy rainfalls immediately following the recent removal of the condensate tanks and subsequent exposure of underlying soils.
- 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 October 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.

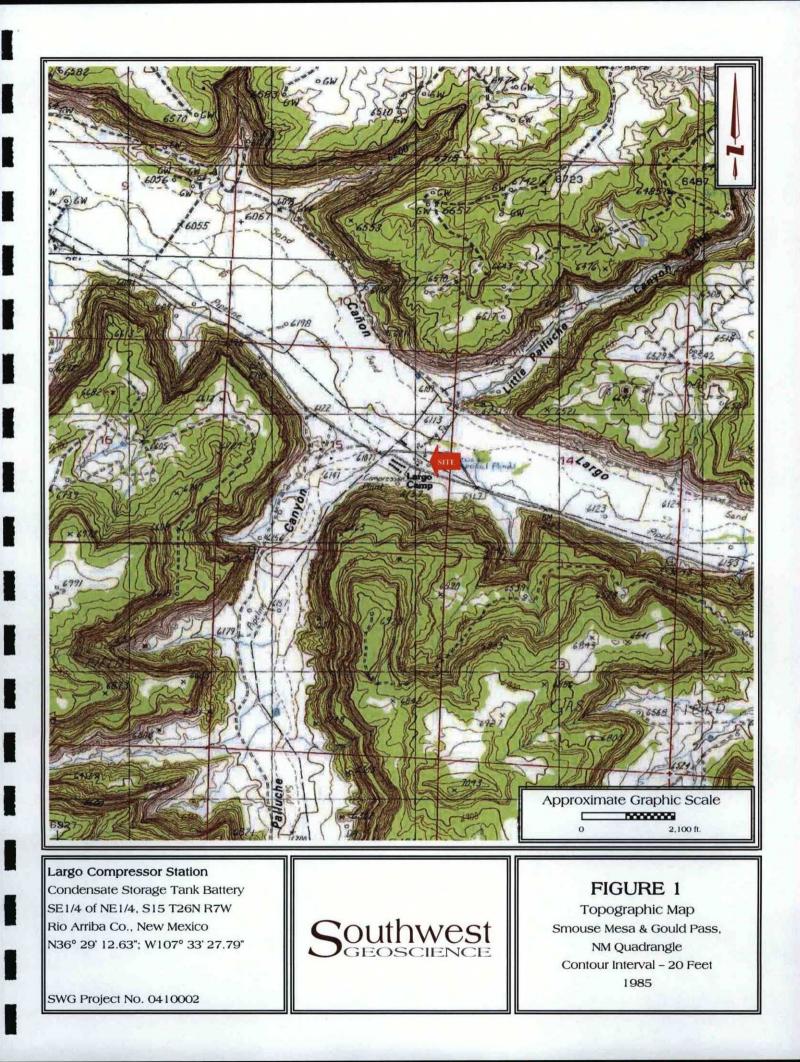


- The groundwater samples collected from monitoring wells MW-7, MW-11, MW-15, MW-16, MW-39, MW-48, and MW-51 exhibited benzene concentrations ranging from 13 µg/L to 8,200 µg/L, which exceed the WQCC *Groundwater Quality Standard* of 10 µg/L. The analytical results from monitoring well MW-7 indicate an increase in the benzene concentration when compared to the July 2012 analytical data, but are still less than the January 2012 concentrations. This well has exhibited several spikes throughout the monitoring history of the site. Monitoring wells MW-11, MW-15, and MW-15 also exhibited benzene concentration increases that may be related to soil flushing by significant rains that occurred after the condensate tank removals. The analytical results from monitoring wells MW-39 and MW-51 exhibited declines from the July 2012 sampling event, and are likely related to seasonal water table elevation variations.
- The groundwater samples collected from the remaining monitoring wells did not exhibit BTEX constituent concentrations above the WQCC *Groundwater Quality Standards*.
- The seven (7) TDS samples collected to date from unaffected wells indicate concentrations across the Site range from 3,000 mg/L to 75,400 mg/L.

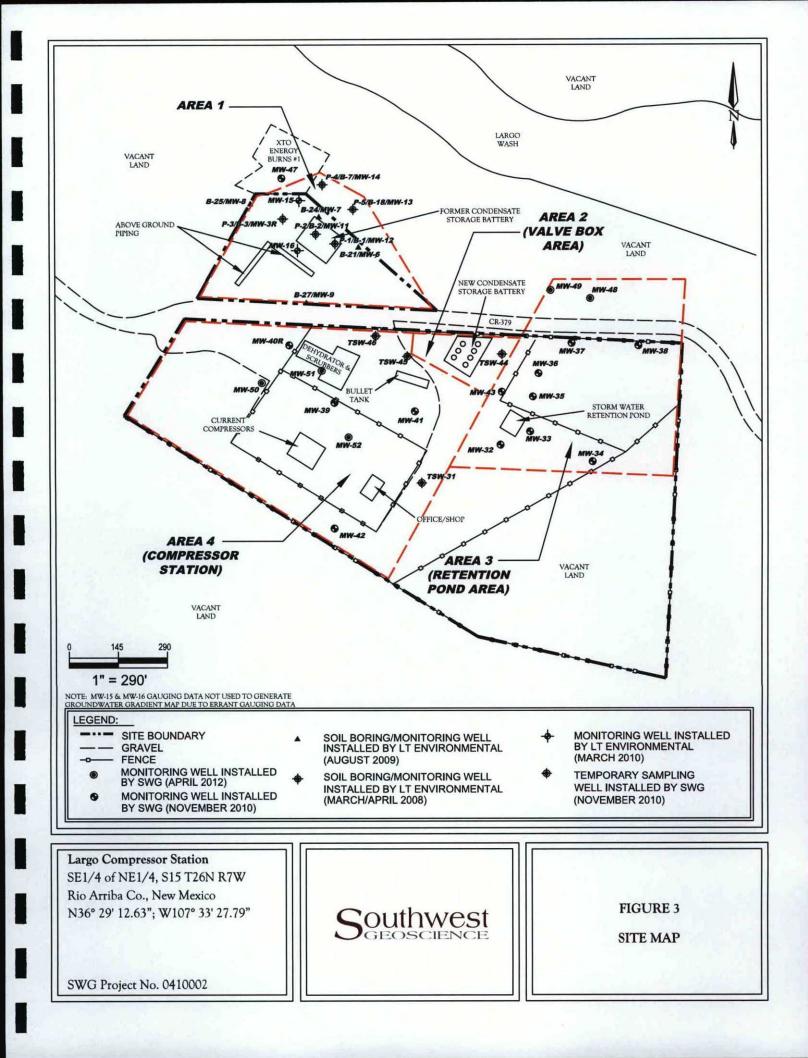
7.0 RECOMMENDATIONS

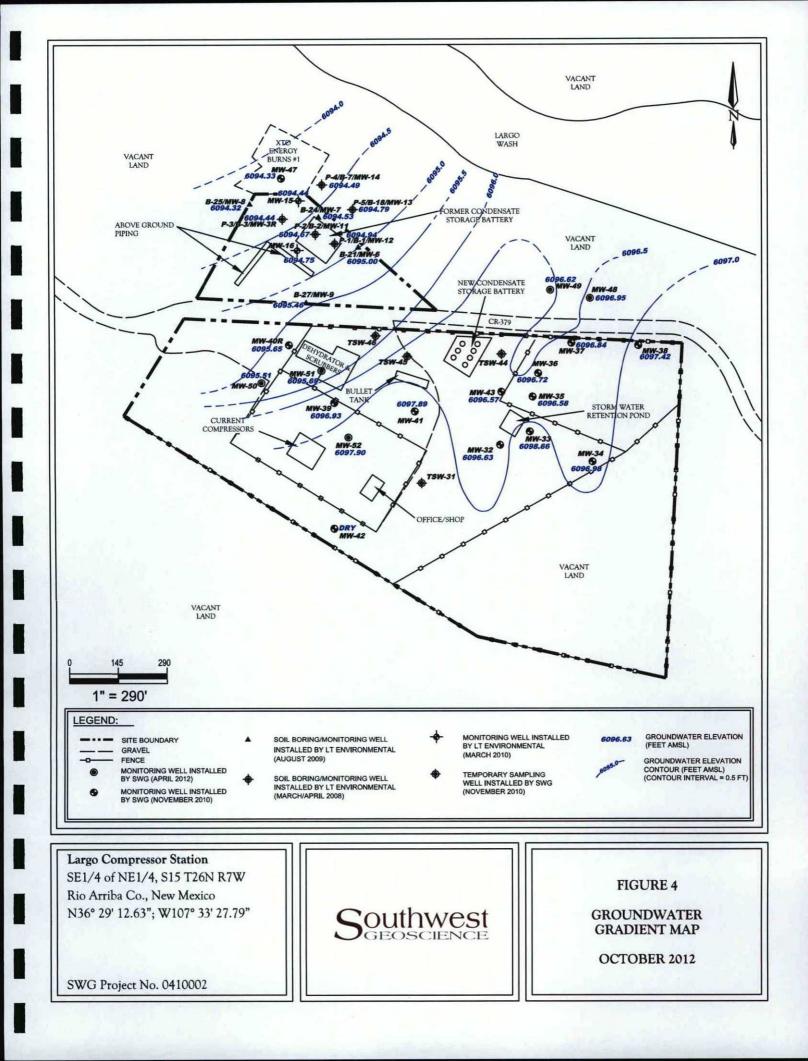
Based on the results of groundwater monitoring activities, SWG has the following recommendations:

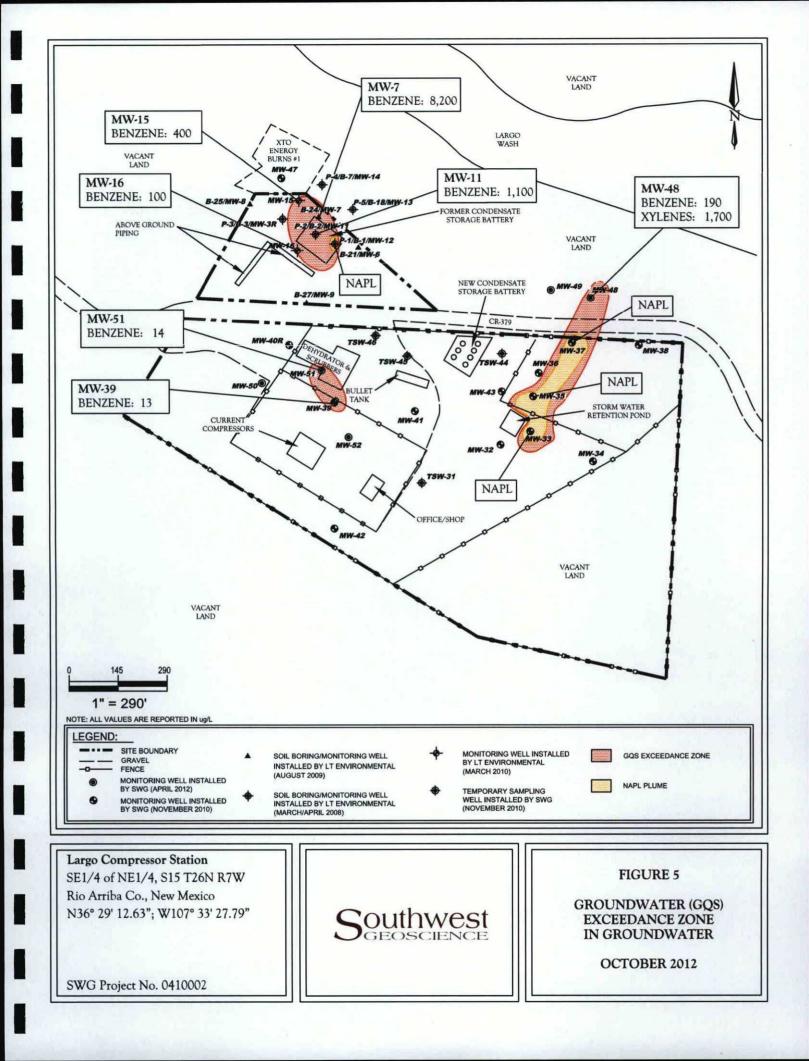
- Report the groundwater monitoring results to the OCD;
- Perform Supplemental Site Investigation activities to further evaluate the extent of COCs in groundwater in the vicinity north of Area 3; and,
- Pursuant to the completion of supplemental site investigation activities, continue the evaluation 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*.











| | TABLE 1 Largo Compressor Station GROUNDWATER ANALYTICAL SUMMARY | | | | | | | | | | |
|------------------------------|---|--|-------------------|-------------------|------------------------|-------------------|----------------------|----------------------|--|--|--|
| Sample 1.D. | Date | Total Dissolved Solids (mg/L) | Benzene (µg/L) | Toluene (µg/L) | Ethylbenzene (ug/L) | Xylenes (µg/L) | TPH GRO (mg/L) | TPH DRO (mg/L) | | | |
| Commission Gr | er Quality Control oundwater Quality derds | 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 P-5 | 11.24.09 | NA NA | <1.0 | <1.0 | <1.0 <1.0 | <2.0 | NA | NA NA | | | |
| MW-13 (P-5*) | 2.25.10 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 <0.05 | <1.0 | | | |
| MW-13 (P-5*) MW-13 (P-5*) | 11.18.10 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*) MW-13 (P-5*) | 1.30.12 4.19.12 | NA NA | <1.0 | <1.0 | <1.0 | <2.0 <2.0 | <0.050 <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-13 (P-5*) | 10.18.12 | 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 | NA NA | | | |
| MW-6 MW-6 | 2.25.10 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 MW-6 | 11.18.10 | NA NA | <1.0 <1.0 | <1.0 | <1.0 | <2.0 | <0.05 <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 NA | <1.0 | <1.0 | <1.0 | <2.0 <2.0 | <0.050 <0.050 | <1.0 | | | |
| MW-6 MW-6 | 4.19.12 7.31.12 | NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | | |
| MW-6 | 10.18.12 | 8,420 | <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 MW-7 | 2.25.10 4.05.10 | NA NA | 3,000 940 | <10 | 40 | 31 | NA 4.2 | NA 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 MW-7 | 2.1.11 4.19.11 | NA | 1,800 250 | <1.0 | 10 | 4.6 | 2.2 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 <20 | 32 | 6.1 4.5 | | | |
| MW-7 MW-7 | 1.31.12 4.19.12 | NA NA | 9,000 790 | <10 | 110 | <20 | 2.7 | <1.0 | | | |
| MW-7 | 7.31.12 | NA | 2,500 | <10 | 35 | <20 | 6.4 | <1.0 | | | |
| MW-7 | 10.19.12 | NA | 8,200 | <10 | 130 | 36.0 | 32 | 2.5 | | | |
| MW-8 | 8.10.09 | NA | <1.0 | <1.0 | <1.0 | <2.0 | NA | NA | | | |
| MW-8 MW-8 | 11.24.09 2.25.10 | NA NA | <1.0 | <1.0 | <1.0 | <2.0 <2.0 | NA NA | 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 <0.05 | <1.0 | | | |
| MW-8 MW-8 | 11.18.10 | NA NA | <1.0 | <1.0 | <1.0 | <2.0 <2.0 | <0.05 | <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 NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 <0.050 | <1.0 | | | |
| MW-8 MW-8 | 4.19.12 7.31.12 | NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | | |
| MW-8 | 10.18.12 | NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | | |

TABLE I

| 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 | |
| Commission Gr | er Quality Control oundwater Quality | NE | 10 | 750 | 750 | 620 | NE | NE | |
| MW-9 | dards 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 MW-9 | 4.05.10 5.27.10 | NA NA | <1.0 | <1.0 | <1.0 <1.0 | <2.0 | <0.05 NA | <1.0 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 MW-9 | 1.31.11 4.19.11 | NA NA | <1.0 | <1.0 | <1.0 <1.0 | <2.0 <2.0 | <0.050 <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 MW-9 | 1.27.12 | NA | <1.0 | <1.0 <1.0 | <1.0 | <2.0 | <0.050 <0.050 | <1.0 | |
| MW-9 MW-9 | 4.19.12 7.31.12 | NA NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | |
| MW-9 | 10.19.12 | 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 MW-15 | 7.13.10 8.26.10 | NA NA | 490 | 2.2 <1.0 | 7.2 | 15 <2.0 | 3.2 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 7.28.11 | NA | 13 | <1.0 | <1.0 | <2.0 20 | 0.14 6.7 | <1.0 | |
| MW-15 MW-15 | 10.28.11 | NA NA | 810 | <1.0 | <10 | <20 | 2.2 | 1.0 | |
| MW-15 | 1.30.12 | NA | 150 | <10 | <10 | <20 | 0.51 | <1.0 | |
| MW-15 | 4.18.12 | NA | 23 | <1.0 | 1.4 | <2.0 | 0.21 | <1.0 | |
| MW-15 MW-15 | 7.31.12 10.19.12 | NA NA | 64 400 | <1.0 | 1.1 7.2 | <2.0 7.8 | 0.22 2.0 | <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 MW-16 | 8.26.10 | NA | 16 3.4 | <1.0 | <1.0 | <2.0 | 0.095 | <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 MW-16 | 10.27.11 1.30.12 | NA NA | 21 | <1.0 | <1.0 | <2.0 | 0.19 | <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 | |
| MW-16 | 10.19.12 | NA | 100 | <1.0 | 3.9 | <2.0 | 0.38 | <1.0 | |
| TSW-31 MW-32 | 11.23.10 | NA NA | <1.0 | <1.0 | <1.0 | <2.0 <2.0 | <0.050 <0.050 | <1.0 | |
| MW-32 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 <0.050 | <1.0 | |
| MW-32 MW-32 | 1.27.12 4.18.12 | NA 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-32 | 10.16.12 | 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 | NAPI | |
| MW-33 MW-33 | 4.20.11 7.28.11 | NA NA | NAPL NAPL | NAPL | NAPL NAPL | NAPL | NAPL | NAPI | |
| MW-33 | 10.26.11 | NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAPI | |
| MW-33 | 1.27.12 | NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAPI | |
| MW-33 | 4.18.12 7.30.12 | NA | NAPL | NAPL | NAPL | NAPL | NAPL NAPL | NAPL | |
| MW-33 MW-33 | 10.19.12 | NA NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAPI | |
| 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 MW-34 | 10.26.11 | NA NA | <1.0 | <1.0 | <1.0 <1.0 | <2.0 | <0.050 <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 | |

| 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 DRC (mg/l | | |
| New Mexico Wate Commission Gro Stand | undwater Quality | NE | 10 | 750 | 750 | 620 | NE | NE | | |
| MW-35 | 1.28.11 | NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAP | | |
| MW-35 | 4.20.11 | NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAP | | |
| MW-35 MW-35 | 7.28.11 | NA NA | NAPL | NAPL | NAPL | NAPL | NAPL NAPL | NAP NAP | | |
| MW-35 | 1.27.12 | NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAP | | |
| MW-35 | 4.18.12 | NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAP | | |
| MW-35 MW-35 | 7.30.12 | NA NA | NAPL | NAPL | NAPL | NAPL | NAPL NAPL | NAP | | |
| 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 MW-36 | 10.27.11 | NA NA | <1.0 | <1.0 | <1.0 | <2.0 <2.0 | <0.050 <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-36 | 2.4.11 | NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | |
| MW-37 MW-37 | 4.20.11 | NA NA | 3,100 2,500 | 6,200 3,600 | 500 | 7,000 | 38 34 | 4.2 | | |
| MW-37 | 7.28.11 | NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAP | | |
| MW-37 | 10.26.11 | NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAP | | |
| MW-37 MW-37 | 1.27.12 4.18.12 | NA NA | NAPL | NAPL | NAPL | NAPL NAPL | NAPL NAPL | NAP | | |
| MW-37 | 7.30.12 | NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAP | | |
| MW-37 | 10.19.12 | NA | NAPL | NAPL | NAPL | NAPL | NAPL | NAP | | |
| MW-38 | 1.26.11 | NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | |
| MW-38 MW-38 | 4.20.11 7.29.11 | NA NA | <1.0 | <1.0 | <1.0 | <2.0 <2.0 | <0.050 <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 MW-38 | 4.18.12 7.30.12 | NA NA | <1.0 | <1.0 | <1.0 | <2.0 <2.0 | <0.050 <0.050 | <1.0 | | |
| MW-38 MW-38 | 10.17.12 | 3,000 | <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 MW-39 | 7.29.11 10.27.11 | NA NA | 27 260 | 14 <1.0 | 1.9 | 18 3.5 | 0.80 | <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 MW-39 | 7.30.12 | NA NA | 170 | <2.0 <2.0 | <2.0 <2.0 | 8.6 <4.0 | 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 MW-40 | 10.26.11 | NA NA | Dry Dry | Dry Dry | Dry 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-40R | 10.16.12 | 7,930 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | |
| MW-41 MW-41 | 1.31.11 4.18.11 | NA NA | <5.0 <5.0 | <5.0 <5.0 | <5.0 <5.0 | <10 | <0.25 <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 MW-41 | 1.27.12 4.18.12 | NA NA | <1.0 | <1.0 | <1.0 | <2.0 <2.0 | <0.050 <0.050 | <1.0 | | |
| MW-41 | 7.30.12 | NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | |
| MW-41 | 10.16.12 | 30,200 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | |
| MW-42 MW-42 | 2.4.11 3.3.11 | NA 75,400 | <5.0 NA | <5.0 NA | <5.0 NA | <10 NA | <0.25 NA | NA NA | | |
| MW-42 MW-42 | 4.19.11 | 75,400 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 MW-42 | 1.30.12 4.18.12 | NA NA | <1.0 | <1.0 | <1.0 <1.0 | <2.0 <2.0 | <0.050 <0.050 | <1.0 | | |
| MW-42 MW-42 | 7.30.12 | NA | Dry | Dry | Dry | Dry | Dry | Dry | | |
| MW-42 | 10.16.12 | 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 MW-43 | 4.19.11 7.29.11 | NA NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 <0.050 | <1.0 | | |
| NIVI VY ~45.3 | 1.29.11 | | <1.0 | <1.0 | <1.0 | | and the second s | - | | |
| MW-43 | 10.26.11 | NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | |

| | | GRO | T∄ Largo Com UNDWATER | | | | | |
|--|----------|--|-----------------------------|-------------------|------------------------|-------------------|----------------------|----------------------|
| Sample I.D. | Date | Total Dissolved Solids (mg/L) | Benzene (µg/L.) | Toluene (µg/L) | Ethylbenzene (#g/L) | Xylenes (µg/L) | TPH GRO (mg/L) | TPH DRO (mg/L) |
| New Mexico Wate Commission Gro Stand | | NE | 10 | 750 | 750 | 620 | NE | NE |
| MW-43 | 7.30.12 | NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 |
| MW-43 | 10.16.12 | 7,630 | <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) | Benzone (µg/L) | Toluene (µg/L) | Ethylbenzene (µg/L) | Xylenes (µg/L) | TPH GRO (mg/L) | TPH DRO (mg/L) | | | |
| | er Quality Control oundwater Quality dards | NE | 10 | 750 | 750 | 620 | NE | NE | | | |
| 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-47 | 10.18.12 | NA | <5.0 | <5.0 | <5.0 | 91 | 12 | 1.8 | | | |
| 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-48 | 10.17.12 | NA | 190 | 580 | 150 | 1,700 | 8.5 | <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 | | | |
| MW-49 | 10.17.12 | NA | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | | |
| 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-50 | 10.17.12 | 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-51 | 10.16.12 | NA | 14 | <1.0 | 4.8 | 21 | 0.16 | <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 | | | |
| MW-52 | 10.17.12 | 27,000 | <1.0 | <1.0 | <1.0 | <2.0 | <0.050 | <1.0 | | | |

Note: Concentrations in **bold** and yeliow 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

| MW-3R 45.10 6.325.10 7.13.10 8.366.10 8.366.10 11.18. | Monitoring Well ID | Mcasurement Date | Top-of-Casing Elevation (feet) | Depth to PSH | Depth to Water (feet) | PSH Thickness | Corrected Groundwater |
|--|---|--|--------------------------------------|--|--|---|--|
| MW3R 0.25:10 7.13.10 826:10 11.18.10 11.18.10 11.18.10 11.25:11 11.25:11 11.26:12 7.27:11 126:12 7.27:11 126:12 7.13.10 126:12 7.13.10 126:12 7.13.10 126:12 7.10.26:11 7.11 7.11 | | | poor | and the second se | | | |
| MW3R 7,13.10 None Observed 22.47 0.0 6005.01 None Observed 22.32 0.0 6005.34 None Observed 22.32 0.0 6005.34 None Observed 22.32 0.0 6005.34 None Observed 22.31 0.0 6005.34 None Observed 22.31 0.0 6005.44 None Observed 22.31 0.0 6005.44 None Observed 22.31 0.0 6004.47 None Observed 22.01 0.0 6004.47 None Observed 22.60 0.0 6004.42 None Observed 22.61 0.0 6005.01 None Observed 20.01 6005.01 6005.01 None Observed 10.21 0.0 6005.02 None Observed 10.01 6005.02 | | 5.27.10 | 1 | None Observed | 21.82 | 0.0 | 6095.66 |
| MW3R 8 26:0 None Observed 22:24 0.0 00005:16 NMW3R 1.25:11 None Observed 22:13 0.0 6005:16 None Observed 22:13 0.0 6005:40 None Observed 22:13 0.0 6005:40 None Observed 22:10 0.0 6005:40 None Observed 22:81 0.0 6004:47 None Observed 22:210 0.0 6004:47 None Observed 22:61 0.0 6004:47 None Observed 22:261 0.0 6004:47 None Observed 10:0 6005:30 None Observed 10:0 0.0 6005:30 None Observed 10:0 6005:30 None Observed 10:0 0.0 6005:30 None Observed 10:0 6005:30 None Observed 10:0 0.0 6005:30 None Observed 10:0 6005:30 None Observed 10:0 0.0 6005:30 None Observed 10:0 6005:30 None Observed 10:0 < | | 6.25.10 |] | None Observed | 22.22 | 0.0 | 6095.26 |
| MW3R 11.18.10 11.18.10 None Observed 22.32 0.0 6005.35 None Observed 22.13 0.0 6005.35 0.00 6005.35 None Observed 22.10 0.0 6005.46 0.00 6005.47 None Observed 22.81 0.0 6004.47 0.00 6004.47 None Observed 22.21 0.0 6004.47 0.00 6004.47 None Observed 22.266 0.0 6004.42 0.00 6004.42 None Observed 22.260 0.0 6005.16 0.00 6005.16 None Observed 22.260 0.0 6005.33 6006.19 0.00 6005.33 None Observed 10.18 None Observed 10.28 0.0 6005.03 At 510 None Observed 10.18 0.0 6005.63 None Observed 10.28 0.0 6006.05 8 None Observed 10.18 0.0 6006.05 8 None Observed 10.18 0.0 | | | | | | | |
| MW3R 1.25.11 4.22.11 7.27.11 6117.48 None Observed None Observed 22.19 0.0 6005.40 0.00 None Observed 22.21 0.0 6004.47 None Observed 22.241 0.0 6004.47 None Observed 22.261 0.0 6004.47 None Observed 22.261 0.0 6004.42 None Observed 22.261 0.0 6005.30 None Observed 10.20 6005.30 0.0 6005.30 None Observed 10.217 0.0 6005.60 0.0 6005.60 None Observed 10.28 0.0 6005.60 0.0 6005.60 None Observed 10.28 None Observed 10.20 6005.60 0.0 6005.60 None Observed 10.40 0.0 6005.60 0.0 6005.60 None Observed | | | | | | | |
| MW-3R 4.22.11 6117.48 None Observed 21.99 0.0 6006.49 None Observed 22.81 0.0 6004.67 None Observed 22.91 0.0 6004.77 None Observed 22.91 0.0 6004.74 A19.12 None Observed 22.81 0.0 6004.73 None Observed 22.81 0.0 6004.73 None Observed 22.81 0.0 6004.82 None Observed 22.81 0.0 6004.82 None Observed 20.81 0.0 6005.93 None Observed 20.28 0.0 6005.30 None Observed 10.11 0.0 6005.33 None Observed 10.81 None Observed 10.82 0.0 6005.53 None Observed 10.82 0.0 6005.53 None Observed 10.81 None Observed 10.82 0.0 6005.53 None Observed 10.82 None Observed 10.82 0.0 6005.57 None Observed <td></td> <td></td> <td></td> <td>and the second se</td> <td></td> <td></td> <td></td> | | | | and the second se | | | |
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| MW-7 6.25.10 7.13.10 8.26.10 None Observed 8.26.10 21.32 1.25.11 0.0 6095.33 6095.19 MW-7 11.18.10 6116.65 None Observed 1.25.11 21.36 0.0 6095.29 None Observed 1.25.11 1.25.11 None Observed 4.12.21 21.42 0.0 6095.23 None Observed 10.26.11 7.27.11 None Observed 11.28.00 21.24 0.0 6095.43 None Observed 4.19.12 None Observed 11.80 0.0 6094.85 None Observed 7.31.12 None Observed 11.24.09 21.82 0.0 6094.85 None Observed 21.82 0.0 6094.53 0.0 6094.53 None Observed 22.12 0.0 6094.53 0.0 6094.53 None Observed 22.510 None Observed 23.17 0.0 6095.11 Sone Observed 22.510 None Observed 23.25 0.0 6095.31 Sone Observed 22.2510 None Observed 23.21 0.0 6095.31 None Observed 22.210 0.0 6095.31 None Observed 23.21 0.0 6095.05 None Observed 23.21 <td></td> <td></td> <td></td> <td>and the second design of the s</td> <td>and the second se</td> <td></td> <td></td> | | | | and the second design of the s | and the second se | | |
| MW-7 7.13.10 None Observed 21.46 0.0 6095.19 MW-7 11.18.10 None Observed 21.36 0.0 6095.23 None Observed 21.24 0.0 6095.41 4.22.11 None Observed 21.24 0.0 6095.41 None Observed 21.24 0.0 6095.41 None Observed 21.22 0.0 6095.43 None Observed 21.80 0.0 6094.71 None Observed 21.82 0.0 6094.71 None Observed 21.82 0.0 6094.83 None Observed 21.82 0.0 6094.73 None Observed 21.82 0.0 6094.53 None Observed 22.12 0.0 6094.53 None Observed 23.17 0.0 6095.03 None Observed 23.25 0.0 6095.03 None Observed 23.25 0.0 6095.03 None Observed 23.21 0.0 6095.03 <td< td=""><td></td><td></td><td></td><td>and the second design of the s</td><td>and the second se</td><td></td><td></td></td<> | | | | and the second design of the s | and the second se | | |
| MW-7 8.26.10 None Observed 21.36 0.0 6095.29 11.18.10 11.18.10 6116.65 None Observed 21.42 0.0 6095.23 1.25.11 A.22.11 None Observed 21.24 0.0 6095.43 7.27.11 None Observed 21.22 0.0 6095.43 None Observed 21.82 0.0 6094.85 None Observed 21.82 0.0 6094.83 None Observed 21.82 0.0 6094.83 None Observed 21.82 0.0 6094.71 None Observed 21.82 0.0 6094.53 None Observed 21.82 0.0 6094.53 None Observed 23.17 0.0 6094.53 None Observed 23.17 0.0 6094.85 2.25.10 None Observed 23.17 0.0 6095.31 S.27.10 None Observed 23.25 0.0 6095.31 None Observed 23.21 0.0 6095.05 | 10 C | and the second sec | | Contraction of the local division of the loc | and the second se | | |
| MW-7 11.18.10 6116.65 None Observed 21.42 0.0 6095.23 1.25.11 4.22.11 None Observed 21.24 0.0 6095.43 None Observed 21.22 0.0 6095.43 None Observed 21.82 0.0 6094.85 10.26.11 None Observed 21.82 0.0 6094.85 None Observed 21.82 0.0 6094.83 None Observed 21.82 0.0 6094.85 None Observed 21.88 0.0 6094.85 None Observed 21.70 0.0 6094.85 None Observed 21.70 0.0 6094.85 None Observed 23.17 0.0 6095.11 None Observed 23.17 0.0 6095.03 4.5.10 None Observed 23.25 0.0 6095.03 None Observed 23.243 0.0 6095.03 None Observed 23.21 0.0 6095.07 None Observed 23.23 0.0 | 10 C | | | Contraction of the local division of the loc | and the second state of th | 1000 100 | |
| Image: Market | MW-7 | | 6116.65 | And and a second se | | ALC DO | |
| MW-8 4.22.11 None Observed 21.22 0.0 6095.43 None Observed 21.80 0.0 6094.85 None Observed 21.94 0.0 6094.83 Mone Observed 21.94 0.0 6094.83 4.19.12 None Observed 21.82 0.0 6094.83 None Observed 21.70 0.0 6094.95 7.31.12 None Observed 21.88 0.0 6094.77 None Observed 22.12 0.0 6094.53 None Observed 23.17 0.0 6095.11 None Observed 23.17 0.0 6095.13 None Observed 23.25 0.0 6095.33 None Observed 22.97 0.0 6095.31 None Observed 23.21 0.0 6095.43 None Observed 23.23 0.0 6095.43 None Observed 23.21 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed | | | | and and a second se | | | |
| MW-8 IO.26.11 None Observed 21.94 0.0 6094.71 I.26.12 None Observed 21.82 0.0 6094.83 A.19.12 None Observed 21.70 0.0 6094.95 None Observed 21.88 0.0 6094.95 None Observed 22.12 0.0 6094.77 None Observed 22.12 0.0 6094.53 None Observed 23.17 0.0 6095.11 I1.24.09 None Observed 23.43 0.0 6095.03 None Observed 23.25 0.0 6095.31 None Observed 22.85 0.0 6095.43 None Observed 23.21 0.0 6095.07 None Observed 23.23 0.0 6095.07 None Observed 23.23 0.0 6095.07 None Observed 23.21 0.0 6095.05 None Observed 23.30 0.0 6095.05 None Observed 23.30 0.0 6095.05 | | 4.22.11 | 1 | And and a state of the state of | 21.22 | 0.0 | 6095.43 |
| MW-8 1.26.12 None Observed 21.82 0.0 6094.83 MW-8 4.19.12 None Observed 21.70 0.0 6094.95 None Observed 21.88 0.0 6094.95 None Observed 22.12 0.0 6094.95 None Observed 22.12 0.0 6094.53 None Observed 23.17 0.0 6095.11 None Observed 23.43 0.0 6095.03 Mone Observed 23.25 0.0 6095.03 None Observed 23.25 0.0 6095.31 None Observed 23.21 0.0 6095.31 None Observed 23.21 0.0 6095.07 None Observed 23.21 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.30 0.0 6095.05 None Observed 23.30 0.0 6095.34 None Observed | A second s | 7.27.11 | | None Observed | 21.80 | 0.0 | 6094.85 |
| MW-8 11.18.10 None Observed 21.70 0.0 6094.95 None Observed 21.88 0.0 6094.95 None Observed 22.12 0.0 6094.53 8.10.09 22.510 0.0 6094.85 2.25.10 0.0 6095.03 6095.03 4.5.10 5.27.10 0.0 6095.31 5.27.10 None Observed 22.85 0.0 6095.31 None Observed 23.01 0.0 6095.07 None Observed 23.23 0.0 6095.05 None Observed 23.21 0.0 6095.07 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.30 0.0 6095.05 None Observed 23.30 0.0 6095.18 None Observed 23.10 0.0 6095.34 None Observed 23.75 0.0 <td></td> <td>10.26.11</td> <td></td> <td>None Observed</td> <td>21.94</td> <td>0.0</td> <td>6094.71</td> | | 10.26.11 | | None Observed | 21.94 | 0.0 | 6094.71 |
| None Observed 21.88 0.0 6094.77 10.18.12 None Observed 22.12 0.0 6094.53 8.10.09 11.24.09 23.17 0.0 6095.11 11.24.09 None Observed 23.17 0.0 6095.31 2.25.10 None Observed 23.25 0.0 6095.03 4.5.10 None Observed 22.97 0.0 6095.43 None Observed 23.01 0.0 6095.43 None Observed 23.23 0.0 6095.05 7.13.10 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.30 0.0 6095.05 None Observed 23.10 0.0 6095.34 None Observed 23.10 0.0 6095.34 None Observed 23.30 0.0 6095.34 None Observed 23.10 0.0 6095.34 | | | | The second s | the second s | | |
| International methods None Observed 22.12 0.0 6094.53 8.10.09 11.24.09 23.17 0.0 6095.11 11.24.09 2.25.10 None Observed 23.43 0.0 6094.85 2.25.10 0.0 6095.03 6095.03 6095.03 4.5.10 5.27.10 None Observed 22.85 0.0 6095.43 5.27.10 None Observed 23.01 0.0 6095.27 7.13.10 None Observed 23.21 0.0 6095.07 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.30 0.0 6095.05 None Observed 23.10 0.0 6095.34 1.25.11 None Observed 23.10 0.0 6095.34 None Observed 23.10 0.0 6095.34 None Observed 23.75 0.0 6094.53 | 64 C 1 1 1 1 1 1 1 1 | | | The second s | | | |
| 8.10.09 None Observed 23.17 0.0 6095.11 11.24.09 None Observed 23.43 0.0 6095.11 2.25.10 None Observed 23.25 0.0 6095.03 4.5.10 None Observed 23.25 0.0 6095.03 5.27.10 None Observed 22.97 0.0 6095.31 5.27.10 None Observed 23.01 0.0 6095.43 6.25.10 None Observed 23.21 0.0 6095.27 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.30 0.0 6095.05 None Observed 23.10 0.0 6095.18 None Observed 23.10 0.0 6095.34 None Observed 23.06 0.0 6095.34 None Observed 23.56 0.0 6094.98 None Observed 23.56 0.0 | | and the second states / | | and the second data | and the second se | | |
| MW-8 11.24.09 None Observed 23.43 0.0 6094.85 11.24.09 0.0 6094.85 0.0 6095.03 4.5.10 0.0 6095.03 0.0 6095.03 5.27.10 0.0 6095.31 0.0 6095.31 6.25.10 None Observed 23.01 0.0 6095.43 None Observed 23.21 0.0 6095.07 8.26.10 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.30 0.0 6095.05 None Observed 23.30 0.0 6095.05 None Observed 23.10 0.0 6095.05 None Observed 23.10 0.0 6095.34 None Observed 23.56 0.0 6095.34 None Observed 23.56 0.0 6094.53 None Observed 23.54 0.0 6094.64 | _ | | | | | | |
| None Observed 23.25 0.0 6095.03 4.5.10 None Observed 22.97 0.0 6095.03 5.27.10 None Observed 22.97 0.0 6095.03 6.25.10 None Observed 22.85 0.0 6095.43 7.13.10 None Observed 23.21 0.0 6095.07 8.26.10 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 11.18.10 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.30 0.0 6095.05 None Observed 23.10 0.0 6095.18 None Observed 23.10 0.0 6095.34 None Observed 23.56 0.0 6094.53 None Observed 23.75 0.0 6094.64 None Observed 23.54 0.0 6094.64 None Observed 23.19 0.0 6095.09 | | | | | | | |
| MW-8 4.5.10 None Observed 22.97 0.0 6095.31 MW-8 6.25.10 None Observed 22.85 0.0 6095.43 None Observed 23.01 0.0 6095.27 None Observed 23.21 0.0 6095.07 None Observed 23.23 0.0 6095.05 None Observed 23.23 0.0 6095.05 None Observed 23.30 0.0 6095.05 None Observed 23.10 0.0 6095.34 A.22.11 None Observed 23.10 0.0 6095.34 None Observed 23.10 0.0 6095.34 None Observed 23.10 0.0 6095.34 None Observed 23.56 0.0 6094.72 None Observed 23.75 0.0 6094.53 None Observed 23.54 0.0 6094.64 None Observed 23.19 0.0 6095.09 | 0.000 | | | and the second se | | | Child College College |
| MW-8 5.27.10 None Observed 22.85 0.0 6095.43 MW-8 7.13.10 None Observed 23.01 0.0 6095.07 8.26.10 None Observed 23.21 0.0 6095.07 None Observed 23.23 0.0 6095.05 11.18.10 6118.28 None Observed 23.30 0.0 6095.05 1.25.11 None Observed 23.30 0.0 6095.34 None Observed 23.10 0.0 6095.34 None Observed 23.56 0.0 6094.53 None Observed 23.75 0.0 6094.53 None Observed 23.75 0.0 6094.53 None Observed 23.75 0.0 6094.53 None Observed 23.64 0.0 6094.64 None Observed 23.19 0.0 6095.09 | 1. 1. 1. 1. 1. 1. | | 1 | and the second se | the second se | | |
| MW-8 6.25.10 None Observed 23.01 0.0 6095.27 MW-8 11.18.10 None Observed 23.21 0.0 6095.05 11.18.10 6118.28 None Observed 23.30 0.0 6095.05 1.25.11 None Observed 23.30 0.0 6095.05 4.22.11 None Observed 23.10 0.0 6095.18 None Observed 23.10 0.0 6095.34 None Observed 23.75 0.0 6094.72 None Observed 23.75 0.0 6094.53 None Observed 23.75 0.0 6094.64 None Observed 23.54 0.0 6094.64 None Observed 23.19 0.0 6095.09 | | | 1 | and the second se | | | |
| MW-8 7.13.10 None Observed 23.21 0.0 6095.07 MW-8 11.18.10 None Observed 23.23 0.0 6095.05 1.1.8.10 1.25.11 None Observed 23.30 0.0 6095.05 4.22.11 7.27.11 None Observed 23.10 0.0 6095.34 None Observed 23.56 0.0 6094.72 None Observed 23.75 0.0 6094.64 None Observed 23.64 0.0 6094.64 None Observed 23.19 0.0 6094.64 | 375 | and the second sec | 1 | and the second | the second s | | and the second se |
| MW-8 8.26.10 None Observed 23.23 0.0 6095.05 11.18.10 11.18.10 6118.28 None Observed 23.30 0.0 6095.05 1.25.11 | and the second second | | 1 | | and the second se | | |
| 1.25.11 None Observed 23.10 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 | | | | | | | |
| 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 | MW-8 | 11.18.10 | 6118.28 | None Observed | 23.30 | 0.0 | 6094.98 |
| 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 | | 1.25.11 | | None Observed | 23.10 | 0.0 | 6095.18 |
| 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 | and the second second | | | the second se | 22.94 | 0.0 | 6095.34 |
| 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 | 1 0 m / 1 | | | sector and the sector of the sector sec | and the second se | the second se | |
| 4.19.12 None Observed 23.54 0.0 6094.74 7.31.12 None Observed 23.19 0.0 6095.09 | | | | the second s | the second se | | |
| 7.31.12 None Observed 23.19 0.0 6095.09 | and the second second | | | and the second se | and the second se | | |
| | alay a start | | | | and the second se | | |
| | 100 C | | | | | | |

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| Monitoring Well ID | Measurement Date | Top-of-Casing Elevation (feet) | Depth to PSH (feet) | Depth to Water (feet) | PSH Thickness (feet) | Corrected Groundwater Elevation ¹ |
|--------------------|--------------------|---------------------------------------|-----------------------|--------------------------|-------------------------|---|
| | 8.10.09 | | 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 | 21.00 | 0.0 | 6096.83 |
| | 5.27.10 6.25.10 | | None Observed | 21.10 21.56 | 0.0 | 6096.73 6096.27 |
| | 7.13.10 | | None Observed | 21.56 | 0.0 | 6096.06 |
| | 8.26.10 | | None Observed | 21.58 | 0.0 | 6096.25 |
| MW-9 | 11.18.10 | 6117.83 | 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 4.19.12 | | None Observed | 22.04 21.88 | 0.0 | 6095.79 6095.95 |
| | 7.31.12 | | None Observed | 21.98 | 0.0 | 6095.85 |
| | 10.18.12 | · · · · · · · · · · · · · · · · · · · | None Observed | 22.37 | 0.0 | 6095.46 |
| | 4.5.10 | | 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 |
| MW-11 | 1.25.11 4.22.11 | 6116.65 | None Observed | 21.02 | 0.0 | 6095.63 |
| | 7.27.11 | | None Observed | 20.91 21.89 | 0.0 | 6095.74 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 |
| | 10.18.12 | | None Observed | 21.98 | 0.0 | 6094.67 |
| | 4.5.10 | Contraction of the | 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 8.26.10 | 6111.24 | None Observed | 15.91 15.55 | 0.0 | 6095.33 6095.69 |
| | 11.18.10 | | None Observed | 16.58 | 0.0 | 6094.66 |
| | 1.25.11 | | None Observed | 15.73 | 0.0 | 6095.51 |
| MW-12 | 4.22.11 | | None Observed | 15.30 | 0.0 | 6095.94 |
| | 7.27.11 | | None Observed | 16.10 | 0.0 | 6095.14 |
| | 10.26.11 | 2.4 | 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 16.3 | 15.83 16.31 | 0.0 | 6095.41 6094.94 |
| | 4.5.10 | | 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 |
| MW-13 | 1.25.11 | 6115.46 | None Observed | 19.71 | 0.0 | 6095.75 |
| | 4.22.11 7.27.11 | | None Observed | 19.65 20.59 | 0.0 | 6095.81 6094.87 |
| | 10.26.11 | | None Observed | 20.59 | 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 |
| | 10.18.12 | | None Observed | 20.67 | 0.0 | 6094.79 |
| | 4.5.10 | | 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 8.26.10 | A | None Observed | 21.19 | 0.0 | 6094.80 |
| | 11.18.10 | | None Observed | 20.70 20.73 | 0.0 | 6095.29 6095.26 |
| | 1.25.11 | | None Observed | 20.73 | 0.0 | 6095.47 |
| MW-14 | 4.22.11 | 6115.99 | None Observed | 20.52 | 0.0 | 6095.54 |
| | 7.27.11 | | None Observed | 21.47 | 0.0 | 6094.52 |
| S 10 1 1 | 10.26.11 | _ | None Observed | 21.48 | 0.0 | 6094.51 |
| 12355 | 1.26.12 | | None Observed | 21.15 | 0.0 | 6094.84 |
| 646 C. 19 B. C. | 4.19.12 | | None Observed | 21.00 | 0.0 | 6094.99 |
| | 7.31.12 | | None Observed | 21.00 | 0.0 | 6094.99 |
| | 10.18.12 | | None Observed | 21.50 | 0.0 | 6094.49 |

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| Monitoring Well ID | Measurement Date | Top-of-Casing Elevation (feet) | Depth to PSH (feet) | Depth to Water (feet) | PSH Thickness (feet) | Corrected Groundwater Elevation ¹ |
|--|--------------------|--|------------------------|--------------------------|-------------------------|---|
| | 4.5.10 | | 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 6095.42 |
| MW-15 | 4.22.11 | 6116.49 | None Observed | 20.95 | 0.0 | 6095.54 |
| | 7.27.11 | | None Observed | 21.95 | 0.0 | 6094.54 |
| - 10 M | 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 | 1.1.1 | None Observed | 21.56 | 0.0 | 6094.93 |
| 1. S. | 7.31.12 | | None Observed | Errant Gauge | 0.0 | Errant Gauge |
| | 10.18.12 | | None Observed | 22.05 | 0.0 | 6094.44 |
| | 4.5.10 | | 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 8.26.10 | | None Observed | 22.29 | 0.0 | 6095.28 6095.52 |
| | 11.18.10 | | None Observed | 22.05 | 0.0 | 6095.46 |
| 1000 | 1.25.11 | | None Observed | 21.87 | 0.0 | 6095.70 |
| MW-16 | 4.22.11 | 6117.57 | 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 | 1.1 | None Observed | 22.50 | 0.0 | 6095.07 |
| | 4.19.12 | | None Observed | 22.38 | 0.0 | 6095.19 |
| 1 | 7.31.12 | | None Observed | Errant Gauge | 0.0 | Errant Gauge |
| | 10.18.12 | | None Observed | 22.82 | 0.0 | 6094.75 |
| | 1.25.11 | | None Observed | 12.67 | 0.0 | 6097.55 |
| 10 A 10 | 4.22.11 7.27.11 | | None Observed | 12.49 13.47 | 0.0 | 6097.73 6096.75 |
| and the second second | 10.26.11 | | None Observed | 13.56 | 0.0 | 6096.66 |
| MW-32 | 1.26.12 | 6110.22 | None Observed | 13.23 | 0.0 | 6096.99 |
| | 4.18.12 | | None Observed | 13.05 | 0.0 | 6097.17 |
| and the second se | 7.30.12 | | None Observed | 14.10 | 0.0 | 6096.12 |
| | 10.18.12 | | None Observed | 13.59 | 0.0 | 6096.63 |
| A REAL PROPERTY OF A REAL PROPER | 1.25.11* | | 16.08 | 16.44 | 0.36 | 6097.83 |
| | 4.22.11 | | 16.59 | 16.60 | 0.01 | 6097.43 |
| | 7.27.11 | | 16.07 | 16.72 | 0.65 | 6097.75 |
| MW-33 | 10.26.11 | 6114.02 | 15.55 | 16.15 | 0.60 | 6098.28 |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1.26.12 4.18.12 | | 15.83 | 15.84 | 0.01 | 6098.19 |
| | 8.31.12 | | Not Gauged 15.4 | 17.29 | 1.89 | Not Gauged 6098.03 |
| and the second second | 10.18.12 | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | 14.39 | 17.51 | 3.12 | 6098.66 |
| | 1.25.11 | | None Observed | 17.38 | 0.0 | 6097.92 |
| 1 | 4.22.11 | | None Observed | 17.20 | 0.0 | 6098.10 |
| | 7.27.11 | | None Observed | 18.23 | 0.0 | 6097.07 |
| MW-34 | 10.26.11 | 6115.3 | None Observed | 18.32 | 0.0 | 6096.98 |
| 1111-54 | 1.26.12 | 0115.5 | None Observed | 17.98 | 0.0 | 6097.32 |
| S | 4.18.12 | · | None Observed | 17.78 | 0.0 | 6097.52 |
| | 7.30.12 | | None Observed | 17.80 | 0.0 | 6097.50 |
| | 10.18.12 | | None Observed | 18.32 | 0.0 | 6096.98 |
| and the second se | 1.25.11* | | 14.5 | 14.75 | 0.25 | 6097.64 |
| | 4.22.11 7.27.11 | | 14.22 | 14.80 | 0.58 | 6097.82 6096.72 |
| a apple one | 10.26.11 | Charles and the second second | 15.14 | 16.64 | 1.50 | 6096.62 |
| MW-35 | 1.26.12 | 6112.22 | 14.72 | 14.73 | 0.01 | 6097.50 |
| 100 million (1990) | 4.18.12 | | Not Gauged | | | Not Gauged |
| | 8.31.12 | | 14.43 | 17.49 | 3.06 | 6096.84 |
| | 10.18.12 | | 14.65 | 17.84 | 3.19 | 6096.58 |
| | 1.25.11 | | None Observed | 13.80 | 0.0 | 6097.68 |
| | 4.22.11 | | None Observed | 13.65 | 0.0 | 6097.83 |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 7.27.11 | | None Observed | 14.69 | 0.0 | 6096.79 |
| MW-36 | 10.26.11 | 6111.48 | None Observed | 14.45 | 0.0 | 6097.03 |
| | 1.26.12 | | None Observed | 14.41 | 0.0 | 6097.07 |
| | 4.18.12 | | None Observed | 14.18 | 0.0 | 6097.30 |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 7.30.12 | | None Observed | 14.10 | 0.0 | 6097.38 |
| | 10.18.12 | | None Observed | 14.76 | 0.0 | 6096.72 |

| Monitoring Well ID | Measurement Date | Top-of-Casing Elevation (feet) | Depth to PSH (feet) | Depth to Water (feet) | PSH Thickness (feet) | Corrected Groundwate Elevation ¹ |
|----------------------------|--------------------------------|--------------------------------------|--------------------------------|--------------------------|-------------------------|--|
| | 1.25.11 | | sheen | 12.91 | sheen | 6097.88 |
| | 4.22.11 | | None Observed | 12.78 | 0.0 | 6097.95 |
| | 7.27.11 | | 13.81 | 13.84 | 0.03 | 6096.91 |
| MW-37 | 10.26.11 | 6110.73 | 13.88 | 13.92 | 0.04 | 6096.84 |
| | 1.26.12 | | 13.54 Not Gauged | 13.54 | 0.01 | 6097.20 Not Gauged |
| | 7.30.12 | _ | sheen | 13.15 | sheen | 6097.64 |
| | 10.18.12 | | 13.89 | 13.90 | 0.01 | 6096.84 |
| | 1.25.11 | 1 | None Observed | 12.06 | 0.0 | 6098.37 |
| | 4.22.11 | | None Observed | 11.87 | 0.0 | 6098.56 |
| | 7.27.11 | - | None Observed | 13.01 | 0.0 | 6097.42 |
| MW-38 | 10.26.11 | 6110.43 | None Observed | 13.10 | 0.0 | 6097.33 |
| | 1.26.12 4.18.12 | | None Observed | 12.68 | 0.0 | 6097.75 6098.32 |
| | 7.30.12 | | None Observed | 12.11 | 0.0 | 6098.19 |
| Acres in the second second | 10.18.12 | | None Observed | 13.01 | 0.0 | 6097.42 |
| | 1.25.11 | | None Observed | 16.21 | 0.0 | 6097.49 |
| | 4.22.11 | 1 | None Observed | 17.35 | 0.0 | 6096.35 |
| | 7.27.11 | | None Observed | 16.43 | 0.0 | 6097.27 |
| MW-39 | 10.26.11 | 6113.70 | None Observed | 16.52 | 0.0 | 6097.18 |
| | 1.26.12 | 0110.10 | None Observed | 16.57 | 0.0 | 6097.13 |
| | 4.18.12 | | None Observed | 16.61 | 0.0 | 6097.09 |
| 1 | 7.30.12 | | None Observed | 16.69 16.77 | 0.0 | 6097.01 6096.93 |
| | 1.25.11 | | None Observed | 19.16 | 0.0 | 6096.53 |
| | 4.22.11 | | None Observed | dry | 0.0 | dry |
| MW-40 | 7.27.11 | 6115.69 | None Observed | dry | 0.0 | dry |
| | 10.26.11 | | None Observed | dry | 0.0 | dry |
| and the second second | 1.26.12 | | None Observed | dry | 0.0 | dry |
| | 4.18.12 | | None Observed | 19.58 | 0.0 | 6096.03 |
| MW-40R | 7.30.12 | 6115.61 | None Observed | 19.69 | 0.0 | 6095.92 |
| | 10.18.12 | | None Observed | 19.96 | 0.0 | 6095.65 |
| | 1.25.11 | | None Observed | 14.14 | 0.0 | 6097.93 |
| | 4.22.11 | 6112.07 | None Observed | 14.18 | 0.0 | 6097.89 |
| | 7.27.11 | | None Observed | 14.08 | 0.0 | 6097.99 |
| MW-41 | 1.26.12 | | None Observed | 14.97 14.20 | 0.0 | 6097.10 6097.87 |
| | 4.18.12 | | None Observed | 14.20 | 0.0 | 6097.80 |
| | 7.30.12 | | None Observed | 14.21 | 0.0 | 6097.86 |
| | 10.18.12 | | None Observed | 14.18 | 0.0 | 6097.89 |
| 1.4 | 1.25.11 | | None Observed | 24.88 | 0.0 | 6096.65 |
| | 4.22.11** | | None Observed | Errant Gauge | 0.0 | Errant Gauge |
| | 7.27.11 | | None Observed | dry | 0.0 | dry |
| MW-42 | 10.26.11 | 6121.53 | None Observed | 25.16 | 0.0 | 6096.37 |
| | 1.26.12 4.18.12 | | None Observed Not Gauged | 24.92 | 0.0 | 6096.61 Not Gauged |
| | 7.30.12 | | dry | dry | dry | dry |
| | 10.18.12 | | dry | dry | dry | dry |
| | 1.25.11 | | None Observed | 15.41 | 0.0 | 6097.51 |
| | 4.22.11 | | None Observed | 15.30 | 0.0 | 6097.62 |
| | 7.27.11 | | None Observed | 16.27 | 0.0 | 6096.65 |
| MW-43 | 10.26.11 | 6112.92 | None Observed | 16.35 | 0.0 | 6096.57 |
| | 1.26.12 4.18.12 | - | None Observed | 16.05 15.87 | 0.0 | 6096.87 6097.05 |
| | 7.30.12 | | None Observed | 15.87 | 0.0 | 6097.05 |
| | 10.18.12 | | None Observed | 16.35 | 0.0 | 6096.57 |
| | 1.25.11 | | None Observed | 19.22 | 0.0 | 6095.19 |
| | 4.22.11 | | None Observed | 19.02 | 0.0 | 6095.39 |
| | 7.27.11 | | None Observed | 19.69 | 0.0 | 6094.72 |
| MW-47 | 10.26.11 | 6114.41 | None Observed | 19.86 | 0.0 | 6094.55 |
| | 1.26.12 | | None Observed | 19.79 | 0.0 | 6094.62 |
| | 4.19.12 | | None Observed | 19.67 | 0.0 | 6094.74 |
| | 7.31.12 | | None Observed | 19.87 | 0.0 | 6094.54 |
| | 10.18.12 | | None Observed | 20.08 | 0.0 | 6094.33 |
| MW-48 | 4.18.12 | 0100.01 | Not Gauged | | | Not Gauged |
| | 7.30.12 | 6109.21 | None Observed | 11.90 | 0.0 | 6097.31 |
| MW-48 | | | | | | |
| MW-48 | 10.18.12 | | None Observed | 12.26 | 0.0 | 6096.95 |
| MW-48 MW-49 | 10.18.12 4.18.12 7.30.12 | 6109.54 | None Observed None Observed | 12.26 12.38 12.22 | 0.0 0.0 0.0 | 6096.95 6097.16 6097.32 |

| Monitoring Weli ID | Measurement Date | Top-of-Casing Elevation (feet) | Depth to PSH (feet) | Depth to Water (feet) | PSH Thickness (feet) | Corrected Groundwater Elevation ¹ |
|--------------------|------------------|--------------------------------------|------------------------|--------------------------|-------------------------|---|
| | 4.18.12 | | None Observed | 24.64 | 0.0 | 6095.98 |
| MW-50 | 7.30.12 | 6120.62 | None Observed | 24.93 | 0.0 | 6095.69 |
| | 10.18.12 | | None Observed | 25.11 | 0.0 | 6095.51 |
| | 4.18.12 | | None Observed | 18.33 | 0.0 | 6095.17 |
| MW-51 | 7.30.12 | 6113.50 | None Observed | 17.47 | 0.0 | 6096.03 |
| | 10.18.12 | | None Observed | 17.81 | 0.0 | 6095.69 |
| | 4.18.12 | | None Observed | 21.11 | 0.0 | 6097.87 |
| MW-52 | 7.30.12 | 6118.98 | None Observed | 21.10 | 0.0 | 6097.88 |
| | 10.18.12 | | None Observed | 21.08 | 0.0 | 6097.90 |

* - Regauged 1.31.11 to confirm product thickness

** - Aberrant gauging data

1 - On 11/02/2012, this table was adjusted to reflect July 2012 re-survey and a specific gravity of 0.69 for LNAPL



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

November 01, 2012

Kyle Summers

Southwest Geoscience 606 S. Rio Grande Unit A Aztec, NM 87410 TEL: (903) 821-5603 FAX: (214) 350-2914

RE: Largo CS

OrderNo.: 1210928

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 18 sample(s) on 10/19/2012 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued November 1, 2012.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to <u>www.hallenvironmental.com</u> 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.

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Date Reported: 11/1/2012

Hall Environmental Analysis Laboratory, Inc.

| EPA MET | HOD 8015B: DIESEL RANG | E | | | | | Analyst: |
|-----------------|------------------------|---------|--------|------|--------------|--------------|------------------|
| Analyses | | Result | RL | Qual | Units | DF | Date Analyzed |
| Lab ID: | 1210928-001 | Matrix: | AQUEOU | S | Received | Date: 10/19/ | 2012 10:00:00 AM |
| Project: | Largo CS | | | | Collection 1 | Date: 10/16/ | 2012 10:35:00 AM |
| CLIENT: | Southwest Geoscience | | | C | lient Sampl | le ID:MW-4 | 1 |

| EPA METHOD 8015B: DIESEL RANG | E | | | | Analyst: JMP |
|-------------------------------|------|----------|------|---|-----------------------|
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 3:12:11 AM |
| Surr: DNOP | 94.2 | 79.5-166 | %REC | 1 | 10/20/2012 3:12:11 AM |
| EPA METHOD 8015B: GASOLINE RA | NGE | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/24/2012 2:47:48 AM |
| Surr: BFB | 89.6 | 69.8-119 | %REC | 1 | 10/24/2012 2:47:48 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | µg/L | 1 | 10/24/2012 2:47:48 AM |
| Toluene | ND | 1.0 | µg/L | 1 | 10/24/2012 2:47:48 AM |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/24/2012 2:47:48 AM |
| Xylenes, Total | ND | 2.0 | µg/L | 1 | 10/24/2012 2:47:48 AM |
| Surr: 4-Bromofluorobenzene | 96.8 | 69.7-152 | %REC | 1 | 10/24/2012 2:47:48 AM |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

Analyte detected below quantitation limits J

P Sample pH greater than 2

RL **Reporting Detection Limit**

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Lab Order 1210928

Date Reported: 11/1/2012

10/20/2012 3:37:09 AM

10/24/2012 3:16:32 AM

Analyst: NSB

Analyst: NSB

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: | Southwest Geoscience | Client Sample ID: MW-32 | | | | | | |
|-----------------|--------------------------|---|---------|---------------------------------------|----|-----------------------|--|--|
| Project: | Largo CS | Collection Date: 10/16/2012 11:45:00 AM | | | | | | |
| Lab ID: | 1210928-002 | Matrix: | AQUEOUS | Received Date: 10/19/2012 10:00:00 AM | | | | |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed | | |
| EPA MET | THOD 8015B: DIESEL RANGE | | | | | Analyst: JMP | | |
| Diesel R | ange Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 3:37:09 AM | | |

79.5-166

0.050

1.0

1.0

1.0

2.0

69.7-152

69.8-119

%REC

mg/L

µg/L

µg/L

µg/L

µg/L

%REC

%REC

1

1

1

1

1

1

1

1

102

ND

90.6

ND

ND

ND

ND

97.6

Qualifiers:

+

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

EPA METHOD 8015B: GASOLINE RANGE

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

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

R RPD outside accepted recovery limits

Date Reported: 11/1/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience

1210928-003

Project: Largo CS

Lab ID:

Client Sample ID: MW-34 Collection Date: 10/16/2012 12:30:00 PM

Received Date: 10/19/2012 10:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------|--------|----------|----------|----|-----------------------|
| EPA METHOD 8015B: DIESEL RANG | E | | | | Analyst: JMP |
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 4:01:56 AM |
| Surr: DNOP | 101 | 79.5-166 | %REC | 1 | 10/20/2012 4:01:56 AM |
| EPA METHOD 8015B: GASOLINE RA | NGE | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/24/2012 3:45:09 AM |
| Surr: BFB | 89.4 | 69.8-119 | %REC | 1 | 10/24/2012 3:45:09 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | µg/L | 1 | 10/24/2012 3:45:09 AM |
| Toluene | ND | 1.0 | µg/L | 1 | 10/24/2012 3:45:09 AM |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/24/2012 3:45:09 AM |
| Xylenes, Total | ND | 2.0 | µg/L | 1 | 10/24/2012 3:45:09 AM |
| Surr: 4-Bromofluorobenzene | 96.5 | 69.7-152 | %REC | 1 | 10/24/2012 3:45:09 AM |

Matrix: AQUEOUS

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

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

R RPD outside accepted recovery limits

Date Reported: 11/1/2012

10/24/2012 4:13:55 AM

10/24/2012 4:13:55 AM

10/24/2012 4:13:55 AM

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: Southwest Geoscience | | (| lient Sample | e ID: MW-4 | 3 | | | |
|-------------------------------|--|------------|---------------------------------------|------------|-----------------------|--|--|--|
| Project: Largo CS | Collection Date: 10/16/2012 1:25:00 PM | | | | | | | |
| Lab ID: 1210928-004 | Matrix: | Received D | Received Date: 10/19/2012 10:00:00 AM | | | | | |
| Analyses | Result | RL Qual | Units | DF | Date Analyzed | | | |
| EPA METHOD 8015B: DIESEL RANG |)E | | | | Analyst: JMP | | | |
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 4:26:46 AM | | | |
| Surr: DNOP | 100 | 79.5-166 | %REC | 1 | 10/20/2012 4:26:46 AM | | | |
| EPA METHOD 8015B: GASOLINE RA | ANGE | | | | Analyst: NSB | | | |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/24/2012 4:13:55 AM | | | |
| Surr: BFB | 88.0 | 69.8-119 | %REC | 1 | 10/24/2012 4:13:55 AM | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB | | | |
| Benzene | ND | 1.0 | µg/L | 1 | 10/24/2012 4:13:55 AM | | | |
| Toluene | ND | 1.0 | µg/L | 1 | 10/24/2012 4:13:55 AM | | | |

1.0

2.0

69.7-152

µg/L

µg/L

%REC

1

1

1

ND

ND

94.8

Qualifiers:

*

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

Analyte detected below quantitation limits J

P Sample pH greater than 2

Reporting Detection Limit RL

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Date Reported: 11/1/2012

Analyst: NSB

Analyst: NSB 10/24/2012 4:42:41 AM

10/24/2012 4:42:41 AM 10/24/2012 4:42:41 AM

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015B: GASOLINE RANGE

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

| CLIENT: | Southwest Geoscience | Client Sample ID: MW-51 | | | | | | |
|-----------------|------------------------|-------------------------|----------|---------------------------------------|--------------|-----------------------|--|--|
| Project: | Largo CS | | | Collection I | Date: 10/16/ | 2012 2:25:00 PM | | |
| Lab ID: | 1210928-005 | Matrix: | AQUEOUS | Received Date: 10/19/2012 10:00:00 AM | | | | |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed | | |
| EPA MET | HOD 8015B: DIESEL RANG | E | | | | Analyst: JMP | | |
| Diesel Ra | ange Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 5:16:45 AM | | |
| Surr: D | DNOP | 101 | 79.5-166 | %REC | 1 | 10/20/2012 5:16:45 AM | | |

0.050

1.0

1.0

1.0

2.0

69.7-152

69.8-119

mg/L

µg/L

µg/L

µg/L

µg/L

%REC

%REC

1

1

1

1

1

1

1

0.16

94.4

14

ND

4.8

21

99.7

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits J

P Sample pH greater than 2

Reporting Detection Limit RL

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Lab Order 1210928

Date Reported: 11/1/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience Client Sample ID: MW-40R Project: Largo CS Collection Date: 10/16/2012 3:15:00 PM Lab ID: 1210928-006 Matrix: AQUEOUS Received Date: 10/19/2012 10:00:00 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 | 10/20/2012 5:41:52 AM |
| Surr: DNOP | 102 | 79.5-166 | %REC | 1 | 10/20/2012 5:41:52 AM |
| EPA METHOD 8015B: GASOLINE RANGE | 1 | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/24/2012 5:11:20 AM |
| Surr: BFB | 89.2 | 69.8-119 | %REC | 1 | 10/24/2012 5:11:20 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | µg/L | 1 | 10/24/2012 5:11:20 AM |
| Toluene | ND | 1.0 | µg/L | 1 | 10/24/2012 5:11:20 AM |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/24/2012 5:11:20 AM |
| Xylenes, Total | ND | 2.0 | µg/L | 1 | 10/24/2012 5:11:20 AM |
| Surr: 4-Bromofluorobenzene | 96.6 | 69.7-152 | %REC | 1 | 10/24/2012 5:11:20 AM |
| | | | | | |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

Ρ Sample pH greater than 2

RL **Reporting Detection Limit**

- Analyte detected in the associated Method Blank В
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Date Reported: 11/1/2012

10/25/2012 11:05:14 PM

10/25/2012 11:05:14 PM

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: Southwest Geoscience Project: Largo CS | Client Sample ID: MW-50 Collection Date: 10/17/2012 9:30:00 AM | | | | | | |
|---|---|----------|------------|--------------|------------------------|--|--|
| Lab ID: 1210928-007 | Matrix: | AQUEOUS | Received L | Date: 10/19/ | 2012 10:00:00 AM | | |
| Analyses | Result | RL Qua | l Units | DF | Date Analyzed | | |
| EPA METHOD 8015B: DIESEL RANG | E | | | | Analyst: JMP | | |
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 6:06:58 AM | | |
| Surr: DNOP | 98.7 | 79.5-166 | %REC | 1 | 10/20/2012 6:06:58 AM | | |
| EPA METHOD 8015B: GASOLINE RA | NGE | | | | Analyst: NSB | | |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/25/2012 11:05:14 PM | | |
| Surr: BFB | 117 | 51.9-148 | %REC | 1 | 10/25/2012 11:05:14 PM | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB | | |
| Benzene | ND | 1.0 | µg/L | 1 | 10/25/2012 11:05:14 PM | | |
| Toluene | ND | 1.0 | µg/L | 1 | 10/25/2012 11:05:14 PM | | |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/25/2012 11:05:14 PM | | |

2.0

69.7-152

µg/L

%REC

1

ND

105

Qualifiers:

*

Xylenes, Total

Surr: 4-Bromofluorobenzene

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

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

R RPD outside accepted recovery limits

Lab Order 1210928

Date Reported: 11/1/2012

10/25/2012 11:35:26 PM

10/25/2012 11:35:26 PM

10/25/2012 11:35:26 PM

10/25/2012 11:35:26 PM

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: Southwest Geoscience | | | Client Sample | e ID: MW-5 | 2 | | | | |
|-------------------------------|---------|---|----------------------|--------------|------------------------|--|--|--|--|
| Project: Largo CS | | Collection Date: 10/17/2012 10:50:00 AM | | | | | | | |
| Lab ID: 1210928-008 | Matrix: | AQUEOUS | Received I | Date: 10/19/ | 2012 10:00:00 AM | | | | |
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | | | | |
| EPA METHOD 8015B: DIESEL RANG | E | | | | Analyst: JMP | | | | |
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 6:32:05 AM | | | | |
| Surr: DNOP | 97.7 | 79.5-166 | %REC | 1 | 10/20/2012 6:32:05 AM | | | | |
| EPA METHOD 8015B: GASOLINE RA | NGE | | | | Analyst: NSB | | | | |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/25/2012 11:35:26 PM | | | | |
| Surr: BFB | 113 | 51.9-148 | %REC | 1 | 10/25/2012 11:35:26 PM | | | | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB | | | | |
| Benzene | ND | 1.0 | µg/L | 1 | 10/25/2012 11:35:26 PM | | | | |

1.0

1.0

2.0

69.7-152

µg/L

µg/L

µg/L

%REC

1

1

1

1

ND

ND

ND

104

Qualifiers:

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

* Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

Analyte detected below quantitation limits J

P Sample pH greater than 2

RL **Reporting Detection Limit**

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Surr: 4-Bromofluorobenzene

Lab Order 1210928 Date Reported: 11/1/2012

| CLIENT: Southwest Geoscience | | | Client Sample | ID:MW-3 | 9 | |
|-------------------------------|---------|----------|----------------------|---------------------------------------|------------------------|--|
| Project: Largo CS | | | Collection | ate: 10/17/ | 2012 11:40:00 AM | |
| Lab ID: 1210928-009 | Matrix: | AQUEOUS | Received I | Received Date: 10/19/2012 10:00:00 AM | | |
| Analyses | Result | RL Qu | al Units | DF | Date Analyzed | |
| EPA METHOD 8015B: DIESEL RANG | E | | | | Analyst: JMP | |
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 6:57:16 AM | |
| Surr: DNOP | 97.3 | 79.5-166 | %REC | 1 | 10/20/2012 6:57:16 AM | |
| EPA METHOD 8015B: GASOLINE RA | NGE | | | | Analyst: NSB | |
| Gasoline Range Organics (GRO) | ND | 0.10 | mg/L | 2 | 10/26/2012 12:05:37 AM | |
| Surr: BFB | 116 | 51.9-148 | %REC | 2 | 10/26/2012 12:05:37 AM | |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB | |
| Benzene | 13 | 2.0 | µg/L | 2 | 10/26/2012 12:05:37 AM | |
| Toluene | ND | 2.0 | µg/L | 2 | 10/26/2012 12:05:37 AM | |
| Ethylbenzene | ND | 2.0 | µg/L | 2 | 10/26/2012 12:05:37 AM | |
| Xylenes, Total | ND | 4.0 | µg/L | 2 | 10/26/2012 12:05:37 AM | |

69.7-152

%REC

2

10/26/2012 12:05:37 AM

102

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits J

P Sample pH greater than 2

RL **Reporting Detection Limit**

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Lab Order 1210928

Date Reported: 11/1/2012

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Southwest Geoscience
 Client Sample ID: MW-49

 Project: Largo CS
 Collection Date: 10/17/2012 12:55:00 PM

 Lab ID: 1210928-010
 Matrix: AQUEOUS
 Received Date: 10/19/2012 10:00:00 AM

 Applyance
 Paralytics
 DE
 Date Applyand

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------|--------|----------|----------|----|-----------------------|
| EPA METHOD 8015B: DIESEL RANG | GE | | | | Analyst: JMP |
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 7:22:07 AM |
| Surr: DNOP | 100 | 79.5-166 | %REC | 1 | 10/20/2012 7:22:07 AM |
| EPA METHOD 8015B: GASOLINE R | ANGE | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/26/2012 1:06:01 AM |
| Surr: BFB | 116 | 51.9-148 | %REC | 1 | 10/26/2012 1:06:01 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | µg/L | 1 | 10/26/2012 1:06:01 AM |
| Toluene | ND | 1.0 | µg/L | 1 | 10/26/2012 1:06:01 AM |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/26/2012 1:06:01 AM |
| Xylenes, Total | ND | 2.0 | µg/L | 1 | 10/26/2012 1:06:01 AM |
| Surr: 4-Bromofluorobenzene | 102 | 69.7-152 | %REC | 1 | 10/26/2012 1:06:01 AM |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Analytical Report

Lab Order 1210928

Date Reported: 11/1/2012

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: South | nwest Geoscience | Client Sample ID: MW-48 | | | | | | | | | |
|----------------------|--|-------------------------|--|------------|------------------------------|-----------------------|--|--|--|--|--|
| Project: Large | o CS | | Collection Date: 10/17/2012 2:05:00 PM | | | | | | | | |
| Lab ID: 1210 | 928-011 | Matrix: | AQUEOUS | Received D | Date: 10/19/2012 10:00:00 AM | | | | | | |
| Analyses | nalyses EPA METHOD 8015B: DIESEL RANG | Result | RL Qu | al Units | DF | Date Analyzed | | | | | |
| EPA METHOD | 8015B: DIESEL RAN | GE | | | | Analyst: JMP | | | | | |
| Diesel Range O | rganics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 7:47:15 AM | | | | | |
| Surr: DNOP | | 104 | 79.5-166 | %REC | 1 | 10/20/2012 7:47:15 AM | | | | | |
| EPA METHOD | 8015B: GASOLINE R | ANGE | | | | Analyst: NSB | | | | | |
| Gasoline Range | e Organics (GRO) | 8.5 | 1.0 | mg/L | 20 | 10/26/2012 1:36:30 AM | | | | | |
| Surr: BFB | | 117 | 51.9-148 | %REC | 20 | 10/26/2012 1:36:30 AM | | | | | |

EPA METHOD 8021B: VOLATILES

| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
|-----------------------------|------|----------|------|----|-----------------------|
| Benzene | 190 | 20 | µg/L | 20 | 10/26/2012 1:36:30 AM |
| Toluene | 580 | 20 | µg/L | 20 | 10/26/2012 1:36:30 AM |
| Ethylbenzene | 150 | 20 | µg/L | 20 | 10/26/2012 1:36:30 AM |
| Xylenes, Total | 1700 | 40 | µg/L | 20 | 10/26/2012 1:36:30 AM |
| Surr: 4-Bromofluorobenzene | 110 | 69.7-152 | %REC | 20 | 10/26/2012 1:36:30 AM |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

J Analyte detected below quantitation limits

Sample pH greater than 2 P

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Date Reported: 11/1/2012

Hall Environmental Analysis Laboratory, Inc.

 CLIENT: Southwest Geoscience
 Client Sample ID: MW-38

 Project: Largo CS
 Collection Date: 10/17/2012 3:05:00 PM

 Lab ID: 1210928-012
 Matrix: AQUEOUS
 Received Date: 10/19/2012 10:00:00 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 | 10/20/2012 8:12:23 AM |
| Surr: DNOP | 102 | 79.5-166 | %REC | 1 | 10/20/2012 8:12:23 AM |
| EPA METHOD 8015B: GASOLINE RAN | GE | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/26/2012 2:37:09 AM |
| Surr: BFB | 118 | 51.9-148 | %REC | 1 | 10/26/2012 2:37:09 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | µg/L | 1 | 10/26/2012 2:37:09 AM |
| Toluene | ND | 1.0 | µg/L | 1 | 10/26/2012 2:37:09 AM |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/26/2012 2:37:09 AM |
| Xylenes, Total | ND | 2.0 | µg/L | 1 | 10/26/2012 2:37:09 AM |
| Surr: 4-Bromofluorobenzene | 105 | 69.7-152 | %REC | 1 | 10/26/2012 2:37:09 AM |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

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

R RPD outside accepted recovery limits

Date Reported: 11/1/2012

10/20/2012 8:37:28 AM

10/26/2012 3:07:21 AM

Analyst: NSB

Analyst: NSB

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: | Southwest Geoscience | Client Sample ID: MW-36 | | | | | | | |
|-----------------|-------------------------|-------------------------|---------|------------|--------------|-----------------------|--|--|--|
| Project: | Largo CS | | | Collection | Date: 10/17/ | 2012 3:50:00 PM | | | |
| Lab ID: | 1210928-013 | Matrix: | AQUEOUS | Received | Date: 10/19/ | 2012 10:00:00 AM | | | |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed | | | |
| EPA MET | HOD 8015B: DIESEL RANGE | E | | | | Analyst: JMP | | | |
| Diesel R | ange Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 8:37:28 AM | | | |

79.5-166

0.050

1.0

1.0

1.0

2.0

69.7-152

51.9-148

99.5

ND

119

ND

ND

ND

ND

107

%REC

mg/L

µg/L

µg/L

µg/L

µg/L

%REC

%REC

1

1

1

1

1

1

1

1

Qualifiers:

*

Surr: DNOP

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

EPA METHOD 8015B: GASOLINE RANGE

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Value exceeds Maximum Contaminant Level.

Ε Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

Reporting Detection Limit RL

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

R RPD outside accepted recovery limits

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1210928 Date Reported: 11/1/2012

| CLIENT: | Southwest Geoscience | |
|----------------|----------------------|--|
| Project: | Largo CS | |

1210928-014

Lab ID:

Client Sample ID: MW-6 Collection Date: 10/18/2012 9:00:00 AM

Received Date: 10/19/2012 10:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------|--------|----------|----------|----|-----------------------|
| EPA METHOD 8015B: DIESEL RANG | GE | | | | Analyst: JMP |
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 9:02:52 AM |
| Surr: DNOP | 101 | 79.5-166 | %REC | 1 | 10/20/2012 9:02:52 AM |
| EPA METHOD 8015B: GASOLINE R | ANGE | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/26/2012 3:37:27 AM |
| Surr: BFB | 118 | 51.9-148 | %REC | 1 | 10/26/2012 3:37:27 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | µg/L | 1 | 10/26/2012 3:37:27 AM |
| Toluene | ND | 1.0 | µg/L | 1 | 10/26/2012 3:37:27 AM |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/26/2012 3:37:27 AM |
| Xylenes, Total | ND | 2.0 | µg/L | 1 | 10/26/2012 3:37:27 AM |
| Surr: 4-Bromofluorobenzene | 106 | 69.7-152 | %REC | 1 | 10/26/2012 3:37:27 AM |

Matrix: AQUEOUS

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits J

P Sample pH greater than 2

Reporting Detection Limit RL

Analyte detected in the associated Method Blank В

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

H Holding times for preparation or analysis exceeded

Date Reported: 11/1/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience **Client Sample ID: MW-13 Project:** Largo CS Collection Date: 10/18/2012 10:00:00 AM Lab ID: 1210928-015 Matrix: AQUEOUS Received Date: 10/19/2012 10:00:00 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 | 10/20/2012 8:39:55 PM |
| Surr: DNOP | 121 | 79.5-166 | %REC | 1 | 10/20/2012 8:39:55 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/26/2012 4:07:36 AM |
| Surr: BFB | 118 | 51.9-148 | %REC | 1 | 10/26/2012 4:07:36 AM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | µg/L | 1 | 10/26/2012 4:07:36 AM |
| Toluene | ND | 1.0 | µg/L | 1 | 10/26/2012 4:07:36 AM |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/26/2012 4:07:36 AM |
| Xylenes, Total | ND | 2.0 | µg/L | 1 | 10/26/2012 4:07:36 AM |
| Surr: 4-Bromofluorobenzene | 104 | 69.7-152 | %REC | 1 | 10/26/2012 4:07:36 AM |
| | | | | | |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Date Reported: 11/1/2012

Analyst: NSB

Analyst: NSB

10/26/2012 4:37:42 AM

Hall Environmental Analysis Laboratory, Inc.

EPA METHOD 8015B: GASOLINE RANGE

Gasoline Range Organics (GRO)

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

Surr: BFB

Benzene

Toluene

Ethylbenzene

Xylenes, Total

| CLIENT: | Southwest Geoscience | Client Sample ID: MW-14 | | | | | | | | |
|-----------------|-------------------------|-------------------------|----------|---------------------|--------------|-----------------------|--|--|--|--|
| Project: | Largo CS | | | Collection I | Date: 10/18/ | 2012 10:50:00 AM | | | | |
| Lab ID: | 1210928-016 | Matrix: | AQUEOUS | Received I | Date: 10/19/ | 2012 10:00:00 AM | | | | |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed | | | | |
| EPA MET | HOD 8015B: DIESEL RANGE | | | | | Analyst: JMP | | | | |
| Diesel R | ange Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 9:05:02 PM | | | | |
| Surr: I | DNOP | 121 | 79.5-166 | %REC | 1 | 10/20/2012 9:05:02 PM | | | | |

0.050

1.0

1.0

1.0

2.0

69.7-152

51.9-148

mg/L

µg/L

µg/L

µg/L

µg/L

%REC

%REC

ND

118

ND

ND

ND

ND

105

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits J

P Sample pH greater than 2

RL **Reporting Detection Limit**

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Spike Recovery outside accepted recovery limits S

1

1

1

1

1

1

1

Analytical Report

Lab Order 1210928

Date Reported: 11/1/2012

10/26/2012 9:58:38 PM

10/26/2012 9:58:38 PM

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: Southwest Geoscience | | | CI | lient Sample | ID:MW-4 | 7 | |
|--|---------|----------|-----|---------------------------------------|-------------|-----------------------|--|
| Project: Largo CS | | | (| Collection D | ate: 10/18/ | 2012 11:30:00 AM | |
| Lab ID: 1210928-017 | Matrix: | AQUEOUS | | Received Date: 10/19/2012 10:00:00 AM | | | |
| nalyses PA METHOD 8015B: DIESEL RANG Diesel Range Organics (DRO) Surr: DNOP | Result | RL Q | ual | Units | DF | Date Analyzed | |
| EPA METHOD 8015B: DIESEL RANG | E | | | | | Analyst: JMP | |
| Diesel Range Organics (DRO) | 1.8 | 1.0 | | mg/L | 1 | 10/20/2012 9:30:09 PM | |
| Surr: DNOP | 123 | 79.5-166 | | %REC | 1 | 10/20/2012 9:30:09 PM | |
| EPA METHOD 8015B: GASOLINE RA | NGE | | | | | Analyst: NSB | |
| Gasoline Range Organics (GRO) | 12 | 0.25 | | mg/L | 5 | 10/26/2012 9:58:38 PM | |
| Surr: BFB | 1040 | 51.9-148 | S | %REC | 5 | 10/26/2012 9:58:38 PM | |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: NSB | |
| Benzene | ND | 5.0 | | µg/L | 5 | 10/26/2012 9:58:38 PM | |
| Toluene | ND | 5.0 | | µg/L | 5 | 10/26/2012 9:58:38 PM | |
| Ethylbenzene | ND | 5.0 | | µg/L | 5 | 10/26/2012 9:58:38 PM | |

10

S

69.7-152

µg/L

%REC

5

5

91

253

Qualifiers:

*

Xylenes, Total

Surr: 4-Bromofluorobenzene

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

Reporting Detection Limit RL

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1210928 Date Reported: 11/1/2012

CLIENT: Southwest Geoscience

Project: Largo CS 1210928-018 Lab ID:

Client Sample ID: MW-8 Collection Date: 10/18/2012 12:25:00 PM

Received Date: 10/19/2012 10:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------|--------|----------|----------|----|------------------------|
| EPA METHOD 8015B: DIESEL RANG |)E | | | | Analyst: JMP |
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/20/2012 9:55:16 PM |
| Surr: DNOP | 125 | 79.5-166 | %REC | 1 | 10/20/2012 9:55:16 PM |
| EPA METHOD 8015B: GASOLINE RA | ANGE | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/26/2012 10:59:03 PM |
| Surr: BFB | 114 | 51.9-148 | %REC | 1 | 10/26/2012 10:59:03 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | µg/L | 1 | 10/26/2012 10:59:03 PM |
| Toluene | ND | 1.0 | µg/L | 1 | 10/26/2012 10:59:03 PM |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/26/2012 10:59:03 PM |
| Xylenes, Total | ND | 2.0 | µg/L | 1 | 10/26/2012 10:59:03 PM |
| Surr: 4-Bromofluorobenzene | 98.2 | 69.7-152 | %REC | 1 | 10/26/2012 10:59:03 PM |

Matrix: AQUEOUS

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Value above quantitation range E

Analyte detected below quantitation limits J

P Sample pH greater than 2

RL Reporting Detection Limit

- В Analyte detected in the associated Method Blank
- Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit ND

R RPD outside accepted recovery limits

WO#: 1210928

02-Nov-12

Client: Southwest Geoscience

| Sample ID: MB-4430 | SampT | vpe: ME | BLK | Tes | TestCode: EPA Method 8015B: Diesel Range | | | | | | |
|--------------------------------|------------|---------|-----------|-------------|--|-----------|--------------|---------|--------------|------|--|
| Client ID: PBW | | ID: 44 | | | RunNo: 6 | | | | | | |
| Prep Date: 10/19/2012 | Analysis D | ate: 10 | 0/20/2012 | 5 | SeqNo: 1 | 83215 | Units: mg/L | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Diesel Range Organics (DRO) | ND | 1.0 | | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 5.0 | | | | | | | | | |
| Surr: DNOP | 0.98 | | 1.000 | | 98.2 | 79.5 | 166 | - | | | |
| Sample ID: LCS-4430 | SampT | ype: LC | s | Tes | tCode: E | PA Method | 8015B: Diese | I Range | | | |
| Client ID: LCSW | Batch | ID: 44 | 30 | F | RunNo: 6 | 372 | | | | | |
| Prep Date: 10/19/2012 | Analysis D | ate: 10 | 0/20/2012 | 5 | SeqNo: 1 | 83216 | 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 | 90.1 | 74 | 157 | | | | |
| Surr: DNOP | 0.60 | | 0.5000 | | 121 | 79.5 | 166 | | | | |
| Sample ID: LCSD-4430 | SampT | ype: LC | SD | Tes | tCode: E | PA Method | 8015B: Diese | I Range | 1 | | |
| Client ID: LCSS02 | Batch | ID: 44 | 30 | F | RunNo: 6 | 372 | | | | | |
| Prep Date: 10/19/2012 | Analysis D | ate: 10 | 0/20/2012 | 5 | SeqNo: 1 | 83217 | Units: mg/L | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Diesel Range Organics (DRO) | 4.6 | 1.0 | 5.000 | 0 | 91.2 | 74 | 157 | 1.18 | 23 | | |
| Surr: DNOP | 0.61 | | 0.5000 | | 122 | 79.5 | 166 | 0 | 0 | | |
| Sample ID: MB-4431 | SampT | ype: ME | BLK | Tes | tCode: E | PA Method | 8015B: Diese | Range | | | |
| Client ID: PBW | Batch | ID: 44 | 31 | RunNo: 6374 | | | | | | | |
| Prep Date: 10/19/2012 | Analysis D | ate: 10 | 0/20/2012 | 5 | SeqNo: 1 | 83289 | Units: mg/L | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Diesel Range Organics (DRO) | ND | 1.0 | | | | | | | | | |
| Motor Oil Range Organics (MRO) | ND | 5.0 | | | | | | | | | |
| Surr: DNOP | 1.2 | | 1.000 | _ | 120 | 79.5 | 166 | - | and a sector | | |
| Sample ID: LCS-4431 | SampT | ype: LC | s | Tes | tCode: E | PA Method | 8015B: Diese | I Range | | 1.0 | |
| Client ID: LCSW | Batch | ID: 44 | 31 | F | RunNo: 6 | 374 | | | | | |
| Prep Date: 10/19/2012 | Analysis D | ate: 10 | 0/20/2012 | 5 | SeqNo: 1 | 83290 | Units: mg/L | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | |
| Diesel Range Organics (DRO) | 4.3 | 1.0 | 5.000 | 0 | 85.1 | 74 | 157 | | | | |
| Surr: DNOP | 0.58 | | 0.5000 | | 116 | 79.5 | 166 | | | | |
| Sample ID: LCSD-4431 | SampT | ype: LC | SD | Tes | tCode: E | PA Method | 8015B: Diese | I Range | | | |
| Client ID: LCSS02 | Batch | ID: 44 | 31 | F | RunNo: 6 | 374 | | | | | |
| Prep Date: 10/19/2012 | Analysis D | ate: 10 | 0/20/2012 | 5 | SeqNo: 1 | 83291 | Units: mg/L | | | | |
| The bate. Terreravia | | | | | | | | | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Client: Southwest Geoscience

Project: Largo CS

| Sample ID: LCSD-4431 | SampT | SampType: LCSD | | Tes | TestCode: EPA Method 8015B: Diesel Range | | | | | | |
|-----------------------------|------------|----------------|-----------|-------------|--|----------|-------------|------|----------|------|--|
| Client ID: LCSS02 | Batch | Batch ID: 4431 | | | RunNo: 6374 | | | | | | |
| Prep Date: 10/19/2012 | Analysis D | ate: 10 | /20/2012 | 5 | eqNo: 1 | 83291 | 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 | 87.7 | 74 | 157 | 3.03 | 23 | 19 | |
| Surr: DNOP | 0.62 | | 0.5000 | | 124 | 79.5 | 166 | 0 | 0 | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

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WO#: 1210928

02-Nov-12

WO#: 1210928

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| Client: | Southwes | t Geoscier | nce | | | | | | | | |
|---------------|------------------|------------|----------|-----------|-------------|-----------|-----------|-------------|-----------|----------|---|
| Project: | Largo CS | | | | | | | | | | |
| Sample ID: | 5ML RB | Samp | Гуре: МІ | BLK | Tes | tCode: El | PA Method | 8015B: Gaso | line Rang | e | |
| Client ID: | PBW | Batc | h ID: Re | 6438 | F | RunNo: 6 | 438 | | | | |
| Prep Date: | | Analysis [| Date: 1 | 0/23/2012 | 5 | SeqNo: 1 | 85178 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | |
| - | e Organics (GRO) | ND | 0.050 | | | | | | | | |
| Surr: BFB | 2 m m | 18 | | 20.00 | | 92.0 | 69.8 | 119 | | | _ |
| Sample ID: | 2.5UG GRO LCS | Samp | Type: LC | s | Tes | tCode: E | PA Method | 8015B: Gaso | line Rang | e | |
| Client ID: | LCSW | Batc | h ID: Re | 6438 | F | RunNo: 6 | 438 | | | | |
| Prep Date: | | Analysis [| Date: 1 | 0/23/2012 | 5 | SeqNo: 1 | 85179 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | |
| Gasoline Rang | e Organics (GRO) | 0.39 | 0.050 | 0.5000 | 0 | 78.6 | 75.9 | 119 | | | |
| Surr: BFB | C | 17 | | 20.00 | | 84.5 | 69.8 | 119 | | | |
| Sample ID: | 1210928-001AMS | Samp | Type: M | S | Tes | tCode: E | PA Method | 8015B: Gaso | line Rang | e | |
| Client ID: | MW-41 | Batc | h ID: Re | 6438 | F | RunNo: 6 | 438 | | | | |
| Prep Date: | | Analysis [| Date: 1 | 0/23/2012 | 5 | SeqNo: 1 | 85184 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | |
| | e Organics (GRO) | 0.46 | 0.050 | | 0.02000 | 87.9 | 63.5 | 131 | | | |
| Surr: BFB | | 18 | | 20.00 | | 91.3 | 69.8 | 119 | | | |
| Sample ID: | 1210928-001AMS | Samp | Type: M | SD | Tes | tCode: El | PA Method | 8015B: Gaso | line Rang | e | |
| Client ID: | MW-41 | Batc | h ID: RE | 6438 | F | RunNo: 6 | 438 | | | | |
| Prep Date: | | Analysis [| Date: 1 | 0/23/2012 | 5 | SeqNo: 1 | 85185 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | |
| | e Organics (GRO) | 0.49 | 0.050 | | 0.02000 | 94.6 | 63.5 | 131 | 7.02 | 16.7 | |
| Surr: BFB | | 19 | | 20.00 | | 94.7 | 69.8 | 119 | 0 | 0 | |
| Sample ID: | 5ML RB | Samp | Type: MI | BLK | Tes | tCode: El | PA Method | 8015B: Gaso | line Rang | e | |
| Client ID: | PBW | Batc | hID: RE | 507 | F | RunNo: 6 | 507 | | | | |
| Prep Date: | | Analysis [| Date: 1 | 0/25/2012 | 5 | SeqNo: 1 | 87728 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | |
| | e Organics (GRO) | ND | 0.050 | | | | | | | | |
| Surr: BFB | | 23 | | 20.00 | | 116 | 51.9 | 148 | | | |
| Sample ID: | 2.5UG GRO LCS | Samp | Type: LC | s | Tes | tCode: E | PA Method | 8015B: Gaso | line Rang | e | |
| Client ID: | LCSW | Batc | h ID: RE | 507 | F | RunNo: 6 | 507 | | | | |
| Prep Date: | | Analysis [| Date: 1 | 0/25/2012 | 5 | SeqNo: 1 | 87729 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | | LowLimit | HighLimit | %RPD | RPDLimit | |
| | e Organics (GRO) | 0.48 | 0.050 | | | 96.3 | 75.9 | 119 | | | |
| Surr: BFB | | 21 | | 20.00 | | 107 | 51.9 | 148 | | | |
| 1 | | | | | | | | | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

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WO#: 1210928

02-Nov-12

| Client: Project: | Southwest Largo CS | Geoscien | ice | | | | | | | | |
|--|-----------------------|------------|---------|-----------|-------------|-----------|-----------|--------------|----------|--|------|
| Sample ID: | 1210928-007AMS | SampT | ype: MS | 3 | Tes | tCode: El | PA Method | 8015B: Gasol | ine Rang | e | |
| Client ID: | MW-50 | Batch | ID: R6 | 507 | F | RunNo: 6 | 507 | | | | |
| Prep Date: | | Analysis D | ate: 10 | 0/25/2012 | 5 | SeqNo: 1 | 87749 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | e Organics (GRO) | 0.53 | 0.050 | 0.5000 | 0 | 105 | 63.5 | 131 | | | |
| Surr: BFB | | 23 | | 20.00 | | 114 | 51.9 | 148 | | and the second sec | |
| Sample ID: | 1210928-007AMSD | SampT | ype: MS | SD | Tes | tCode: El | PA Method | 8015B: Gasol | ine Rang | e | |
| Client ID: | MW-50 | Batch | ID: R6 | 507 | F | RunNo: 6 | 507 | | | | |
| Prep Date: | | Analysis D | ate: 10 | 0/25/2012 | 5 | SeqNo: 1 | 87750 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| 11111111111111111111111111111111111111 | e Organics (GRO) | 0.48 | 0.050 | 0.5000 | 0 | 95.8 | 63.5 | 131 | 9.35 | 16.7 | |
| Surr: BFB | | 22 | | 20.00 | | 110 | 51.9 | 148 | 0 | 0 | - |
| Sample ID: | 5ML RB | SampT | ype: ME | BLK | Tes | tCode: El | PA Method | 8015B: Gasol | ine Rang | e | |
| Client ID: | PBW | Batch | ID: R6 | 515 | F | RunNo: 6 | 515 | | | | |
| Prep Date: | | Analysis D | ate: 10 | 0/26/2012 | 5 | SeqNo: 1 | 87941 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | e Organics (GRO) | ND | 0.050 | | | | | | | | |
| Surr: BFB | | 23 | | 20.00 | | 115 | 51.9 | 148 | | | |
| Sample ID: | 2.5UG GRO LCS | SampT | ype: LC | s | Tes | tCode: El | PA Method | 8015B: Gasol | ine Rang | e | |
| Client ID: | LCSW | Batch | ID: R6 | 515 | F | RunNo: 6 | 515 | | | | |
| Prep Date: | | Analysis D | ate: 10 | 0/26/2012 | 5 | SeqNo: 1 | 87942 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | e Organics (GRO) | 0.44 | 0.050 | 0.5000 | 0 | 88.8 | 75.9 | 119 | | | 1 |
| Surr: BFB | | 24 | | 20.00 | | 118 | 51.9 | 148 | | 1.1 | |
| Sample ID: | 1210928-017AMS | SampT | ype: MS | 3 | Tes | tCode: El | PA Method | 8015B: Gasol | ine Rang | e | |
| Client ID: | MW-47 | Batch | ID: R6 | 515 | F | RunNo: 6 | 515 | | | | |
| Prep Date: | | Analysis D | ate: 10 | 0/26/2012 | 5 | SeqNo: 1 | 87956 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | e Organics (GRO) | 13 | 0.25 | 2.500 | 11.67 | 51.2 | 63.5 | 131 | | | S |
| Surr: BFB | | 900 | | 100.0 | | 902 | 51.9 | 148 | | | S |
| Sample ID: | 1210928-017AMSD | SampT | ype: MS | SD | Tes | tCode: El | PA Method | 8015B: Gasol | ine Rang | e | |
| Client ID: | MW-47 | Batch | ID: R6 | 515 | F | RunNo: 6 | 515 | | | | |
| Prep Date: | | Analysis D | ate: 10 | 0/26/2012 | 5 | SeqNo: 1 | 87957 | Units: mg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Gasoline Range | e Organics (GRO) | 13 | 0.25 | 2.500 | 11.67 | 65.1 | 63.5 | 131 | 2.64 | 16.7 | 100 |
| Surr: BFB | | 880 | | 100.0 | | 885 | 51.9 | 148 | 0 | 0 | S |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

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Client: Southwest Geoscience

| Sample ID: 5ML RB | Samp | Гуре: МІ | BLK | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
|--------------------------------|-------------------------|----------|-------------|--------------------------------|--------------|-----------|--------------|--------|----------|------|
| Client ID: PBW | Batc | h ID: Re | 438 | F | RunNo: 6 | 438 | | | | |
| Prep Date: | Analysis [| Date: 1 | 0/23/2012 | 5 | SeqNo: 1 | 85212 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | ND | 2.5 | or re value | of it it is it is a set of the | MILO | Lowellin | rightenin | 1014 0 | TH DEMIN | quui |
| Benzene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Kylenes, Total | ND | 2.0 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 20 | | 20.00 | | 102 | 69.7 | 152 | | | |
| Sample ID: 100NG BTEX LCS | Samp | Type: LC | s | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: LCSW | Batc | h ID: Re | 6438 | F | RunNo: 6 | 438 | | | | |
| Prep Date: | Analysis Date: 10/23/20 | | | 5 | eqNo: 185213 | | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 19 | 2.5 | 20.00 | 0 | 95.3 | 66.9 | 136 | | | |
| Benzene | 20 | 1.0 | 20.00 | 0 | 102 | 80 | 120 | | | |
| Toluene | 21 | 1.0 | 20.00 | 0 | 103 | 80 | 120 | | | |
| Ethylbenzene | 21 | 1.0 | 20.00 | 0 | 104 | 80 | 120 | | | |
| Xylenes, Total | 63 | 2.0 | 60.00 | 0 | 105 | 80 | 120 | | | |
| 1,2,4-Trimethylbenzene | 21 | 1.0 | 20.00 | 0 | 103 | 74.3 | 117 | | | |
| 1,3,5-Trimethylbenzene | 21 | 1.0 | 20.00 | 0 | 106 | 75.8 | 117 | | | |
| Surr: 4-Bromofluorobenzene | 22 | | 20.00 | | 109 | 69.7 | 152 | | | |
| Sample ID: 5ML RB | Samp | Гуре: МІ | BLK | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: PBW | Batc | h ID: Re | 507 | F | RunNo: 6 | 507 | | | | |
| Prep Date: | Analysis [| Date: 1 | 0/25/2012 | 5 | SeqNo: 1 | 87773 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | ND | 2.5 | | | | | | | | |
| Benzene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 2.0 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 21 | | 20.00 | | 105 | 69.7 | 152 | | | |
| Sample ID: 100NG BTEX LCS | Samp | Type: LC | s | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: LCSW | Batc | h ID: Re | 507 | F | RunNo: 6 | 507 | | | | |
| | | | | | | | | | | |
| Prep Date: | Analysis [| Date: 1 | 0/25/2012 | 5 | SeqNo: 1 | 87774 | Units: µg/L | | | |

Qualifiers:

Value exceeds Maximum Contaminant Level. *

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2 в Analyte detected in the associated Method Blank

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits WO#: 02-Nov-12

1210928

Client: Southwest Geoscience

Project:

Largo CS

| Sample ID: 100NG BTEX LCS | SampT | ype: LC | S | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
|--------------------------------|------------|----------|-----------|-------------|-----------|-----------|--------------|------|-----------------------|------|
| Client ID: LCSW | Batc | h ID: R6 | 507 | F | RunNo: 6 | 507 | | | | |
| Prep Date: | Analysis D | Date: 10 | 0/25/2012 | 5 | SeqNo: 1 | 87774 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 21 | 2.5 | 20.00 | 0 | 106 | 66.9 | 136 | | | |
| Benzene | 21 | 1.0 | 20.00 | 0 | 103 | 80 | 120 | | | |
| Toluene | 21 | 1.0 | 20.00 | 0 | 104 | 80 | 120 | | | |
| Ethylbenzene | 21 | 1.0 | 20.00 | 0 | 104 | 80 | 120 | | | |
| Kylenes, Total | 64 | 2.0 | 60.00 | 0 | 107 | 80 | 120 | | | |
| 1,2,4-Trimethylbenzene | 21 | 1.0 | 20.00 | 0 | 104 | 74.3 | 117 | | | |
| 1,3,5-Trimethylbenzene | 21 | 1.0 | 20.00 | 0 | 106 | 75.8 | 117 | | | |
| Surr: 4-Bromofluorobenzene | 22 | | 20.00 | | 110 | 69.7 | 152 | | | |
| Sample ID: 1210928-008AMS | Samp | ype: MS | 3 | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: MW-52 | Batch | h ID: R6 | 507 | F | RunNo: 6 | 507 | | | | |
| Prep Date: | Analysis D | Date: 10 | 0/25/2012 | 5 | SeqNo: 1 | 87776 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 23 | 2.5 | 20.00 | 0 | 115 | 45.1 | 137 | | and the second second | 100 |
| Benzene | 21 | 1.0 | 20.00 | 0.2600 | 104 | 74.1 | 124 | | | |
| Toluene | 21 | 1.0 | 20.00 | 0.1200 | 104 | 75.2 | 124 | | | |
| Ethylbenzene | 20 | 1.0 | 20.00 | 0.1580 | 102 | 69 | 125 | | | |
| Xylenes, Total | 63 | 2.0 | 60.00 | 0 | 105 | 73.1 | 126 | | | |
| 1,2,4-Trimethylbenzene | 20 | 1.0 | 20.00 | 0.1560 | 98.5 | 63.1 | 121 | | | |
| 1,3,5-Trimethylbenzene | 20 | 1.0 | 20.00 | 0 | 102 | 60 | 133 | | | |
| Surr: 4-Bromofluorobenzene | 22 | | 20.00 | | 110 | 69.7 | 152 | | | - |
| Sample ID: 1210928-008AMSD | Samp | Type: MS | SD | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: MW-52 | Batc | h ID: R6 | 507 | F | RunNo: 6 | 507 | | | | |
| Prep Date: | Analysis D | Date: 10 | 0/25/2012 | 5 | SeqNo: 1 | 87777 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 21 | 2.5 | 20.00 | 0 | 106 | 45.1 | 137 | 8.61 | 13.6 | |
| Benzene | 19 | 1.0 | 20.00 | 0.2600 | 93.0 | 74.1 | 124 | 10.7 | 11.2 | |
| Toluene | 19 | 1.0 | 20.00 | 0.1200 | 93.8 | 75.2 | 124 | 9.80 | 11.9 | |
| Ethylbenzene | 19 | 1.0 | 20.00 | 0.1580 | 92.0 | 69 | 125 | 9.72 | 13.5 | |
| Xylenes, Total | 57 | 2.0 | 60.00 | 0 | 95.4 | 73.1 | 126 | 9.32 | 13 | |
| 1,2,4-Trimethylbenzene | 18 | 1.0 | 20.00 | 0.1560 | 89.2 | 63.1 | 121 | 9.85 | 14.7 | |
| 1,3,5-Trimethylbenzene | 19 | 1.0 | 20.00 | 0 | 93.1 | 60 | 133 | 8.74 | 14 | |
| Surr: 4-Bromofluorobenzene | 22 | | 20.00 | | 109 | 69.7 | 152 | 0 | 0 | |
| Sample ID: 5ML RB | | ype: ME | | Tes | tCode: E | PA Method | 8021B: Volat | iles | | |
| Client ID: PBW | Batcl | h ID: R6 | 515 | F | RunNo: 6 | | | | | |
| Prep Date: | Analysis D | Date: 10 | 0/26/2012 | 5 | SeqNo: 1 | 87969 | Units: µg/L | | | |
| | | | | | | | | | | |

Qualifiers:

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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1210928 02-Nov-12

WO#:

Client: Southwest Geoscience T

| Sample ID: 5ML RB | Samp | Гуре: МЕ | BLK | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
|--------------------------------|------------|----------|-----------|-------------|-----------|-----------|--------------|------|----------------|------|
| Client ID: PBW | Batc | h ID: R6 | 515 | F | RunNo: 6 | 515 | | | | |
| Prep Date: | Analysis [| Date: 10 | /26/2012 | | SeqNo: 1 | | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | ND | 2.5 | | | | | | | | |
| Benzene | ND | 1.0 | | | | | | | | |
| Toluene | ND | 1.0 | | | | | | | | |
| Ethylbenzene | ND | 1.0 | | | | | | | | |
| Xylenes, Total | ND | 2.0 | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 1.0 | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 21 | | 20.00 | | 107 | 69.7 | 152 | | and the second | |
| Sample ID: 100NG BTEX LCS | Samp | Type: LC | S | Tes | tCode: E | PA Method | 8021B: Volat | iles | | |
| Client ID: LCSW | 515 | F | RunNo: 6 | 515 | | | | | | |
| Prep Date: | Analysis [| Date: 10 | 0/26/2012 | 5 | SeqNo: 1 | 87970 | Units: µg/L | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 20 | 2.5 | 20.00 | 0 | 99.8 | 66.9 | 136 | | | |
| Benzene | 19 | 1.0 | 20.00 | 0 | 96.3 | 80 | 120 | | | |
| Toluene | 20 | 1.0 | 20.00 | 0 | 97.6 | 80 | 120 | | | |
| Ethylbenzene | 20 | 1.0 | 20.00 | 0 | 99.3 | 80 | 120 | | | |
| Xylenes, Total | 62 | 2.0 | 60.00 | 0 | 103 | 80 | 120 | | | |
| 1,2,4-Trimethylbenzene | 20 | 1.0 | 20.00 | 0 | 99.8 | 74.3 | 117 | | | |
| 1,3,5-Trimethylbenzene | 21 | 1.0 | 20.00 | 0 | 103 | 75.8 | 117 | | | |
| Surr: 4-Bromofluorobenzene | 22 | _ | 20.00 | | 112 | 69.7 | 152 | | | |
| Sample ID: 1210928-018AMS | Samp | Type: MS | 6 | Tes | tCode: E | PA Method | 8021B: Volat | iles | | |
| Client ID: MW-8 | Batc | h ID: R6 | 515 | F | RunNo: 6 | 515 | | | | |
| Prep Date: | Analysis [| Date: 10 | /26/2012 | 5 | SeqNo: 1 | 87982 | Units: µg/L | | | |
| Analyte | Result | PQL | | SPK Ref Val | | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Methyl tert-butyl ether (MTBE) | 17 | 2.5 | 20.00 | 0 | 85.0 | 45.1 | 137 | | | |
| Benzene | 16 | 1.0 | 20.00 | 0.2500 | 79.8 | 74.1 | 124 | | | |
| Toluene | 17 | 1.0 | 20.00 | 0.2340 | 85.3 | 75.2 | 124 | | | |
| Ethylbenzene | 17 | 1.0 | 20.00 | 0.1960 | 83.2 | 69 | 125 | | | |
| Xylenes, Total | 54 | 2.0 | 60.00 | 0 | 89.6 | 73.1 | 126 | | | |
| 1,2,4-Trimethylbenzene | 17 | 1.0 | 20.00 | 0 | 84.6 | 63.1 | 121 | | | |
| 1,3,5-Trimethylbenzene | 17 | 1.0 | 20.00 | 0 | 86.7 | 60 | 133 | | | |
| Surr: 4-Bromofluorobenzene | 21 | _ | 20.00 | | 105 | 69.7 | 152 | | | |
| Sample ID: 1210928-018AMSE | Samp1 | Type: MS | SD | Tes | tCode: E | PA Method | 8021B: Volat | iles | | |
| Client ID: MW-8 | Batc | h ID: R6 | 515 | F | RunNo: 6 | 515 | | | | |
| Prep Date: | Analysis [| Date: 10 | /26/2012 | S | SeqNo: 1 | 87983 | Units: µg/L | | | |
| | | | | | | | | | | 12 1 |

Qualifiers:

J

Analyte

Value exceeds Maximum Contaminant Level. *

Result

PQL

Е Value above quantitation range

Analyte detected below quantitation limits

P Sample pH greater than 2 В Analyte detected in the associated Method Blank

HighLimit

%RPD

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

SPK value SPK Ref Val %REC LowLimit

R RPD outside accepted recovery limits Page 25 of 26

RPDLimit

Qual

02-Nov-12

1210928

WO#:

Client: Southwest Geoscience

Project: Largo CS

| Sample ID: 1210928-018AMS | SD Samp | ype: MS | SD | TestCode: EPA Method 8021B: Volatiles | | | | | | | | | |
|--------------------------------|------------|----------|-----------|---------------------------------------|----------|----------|-------------|------|----------|------|--|--|--|
| Client ID: MW-8 | Batc | h ID: R6 | 515 | F | RunNo: 6 | | | | | | | | |
| Prep Date: | Analysis E | Date: 10 | /26/2012 | S | SeqNo: 1 | 87983 | Units: µg/L | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual | | | |
| Methyl tert-butyl ether (MTBE) | 16 | 2.5 | 20.00 | 0 | 81.8 | 45.1 | 137 | 3.96 | 13.6 | | | | |
| Benzene | 16 | 1.0 | 20.00 | 0.2500 | 76.6 | 74.1 | 124 | 4.00 | 11.2 | | | | |
| Toluene | 16 | 1.0 | 20.00 | 0.2340 | 81.0 | 75.2 | 124 | 5.21 | 11.9 | | | | |
| Ethylbenzene | 16 | 1.0 | 20.00 | 0.1960 | 79.1 | 69 | 125 | 4.96 | 13.5 | | | | |
| (ylenes, Total | 52 | 2.0 | 60.00 | 0 | 86.1 | 73.1 | 126 | 3.91 | 13 | | | | |
| ,2,4-Trimethylbenzene | 17 | 1.0 | 20.00 | 0 | 82.6 | 63.1 | 121 | 2.38 | 14.7 | | | | |
| ,3,5-Trimethylbenzene | 17 | 1.0 | 20.00 | 0 | 84.6 | 60 | 133 | 2.51 | 14 | | | | |
| Surr: 4-Bromofluorobenzene | 21 | | 20.00 | | 105 | 69.7 | 152 | 0 | 0 | | | | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Page 26 of 26

WO#: 1210928 02-Nov-12

| HALL Hall Environment ENVIRONMENTAL ANALYSIS LABORATORY TEL: 505-345-3 Website: www | 4901 Hi Albuquerque, 975 FAX: 505 | awkins NE NM 87105 -345-410; | Sample Log-In Check Lis | | | | |
|---|---|------------------------------------|---|--|--|--|--|
| Client Name: Southwest Geoscience | Work Orde | r Number. | 1210928 | | | | |
| Received by/date: 10/19/12 | | | | | | | |
| Logged By: Mishelle Garcia 10/19/2012 10:00:00 | 0 AM | -11 | June Garines | | | | |
| Completed By: Michelle Garcia 10/19/2012 10:46:13 | 3 AM | 1 | Jerule Genuie | | | | |
| Reviewed By: MQAAT IN/10/12 | | | in the second | | | | |
| Chain of Custody | | | | | | | |
| 1. Were seals intact? | Yes | No 🗆 | Not Present | | | | |
| 2. Is Chain of Custody complete? | Yes a | Z No 🗆 | Not Present | | | | |
| 3. How was the sample delivered? | Courie | 5 | | | | | |
| Log In | | | | | | | |
| | Ver F | 🛛 No 🗋 | | | | | |
| 4. Coolers are present? (see 19. for cooler specific information) | Tes | | | | | | |
| 5. Was an attempt made to cool the samples? | Yes | No 🗆 | | | | | |
| | 0.00 | | | | | | |
| 6. Were all samples received at a temperature of >0° C to 6.0°C | Yes | No 🗌 | | | | | |
| 7. Sample(s) in proper container(s)? | Yes | No 🗆 | | | | | |
| 8. Sufficient sample volume for indicated test(s)? | Yes | | | | | | |
| 9. Are samples (except VOA and ONG) properly preserved? | | | | | | | |
| 10. Was preservative added to bottles? | Yes [| No 🗹 | NA 🗆 | | | | |
| | | a 🗆 | | | | | |
| 11. VOA vials have zero headspace? 12. Were any sample containers received broken? | ALC: NO. OF | ☑ No □ □ No ☑ | | | | | |
| 13. Does paperwork match bottle labels? | | No 🗆 | # of preserved | | | | |
| (Note discrepancies on chain of custody) | | | for pH: | | | | |
| 14. Are matrices correctly identified on Chain of Custody? | | | (<2 or >12 unless noted | | | | |
| 15. is it clear what analyses were requested? 16. Were all holding times able to be met? | Yes Yes | | Adjusted? | | | | |
| (If no, notify customer for authorization.) | 165 1 | | 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 | e 🔲 Fax 🔄 In Person | | | | |
| Regarding: | | | | | | | |
| Client Instructions: | | | | | | | |

19. Cooler Information

.

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

Page 1 of 1

| | | | | | | | | | 1 | | | (9 2) | | | | С | HAIN OF | CUSTODY RECOP |
|------------------------|-------------------------------|---|--------------------------------|--|--|--|----------------------|----------|----------|----------|--------------------------------------|---------------|---|-----------|---------|-----|-------------------------|---|
| Env Office Proje | G E ironmenta e Locatio | uth osc al a Hydrogen on Azta ger Sum Summ | IEN ologic C | NCE consultants | Laboratory: Address: A Contact: A Phone: PO/SO #: 0 Samplers Sign | dy 8 4100 | - Nel | ma | n | | 1.000 | | ALYSIS L DUESTE | • | | | | Lab use only Due Date: Temp. of coolers when received (C°): 1 2 3 4 5 Page |
| | 1000 | | | ame argo | 25 | | N | o/Type | of Co | ontainer | 'S | 2 | - | // | /// | | / | |
| latrix | Date | | Comp | T | Marks of Sample(s) | Start | N Depth | | /G LL | 250 F | 10% | 5 | | | /// | /// | 13 Lab | 210928 Sample ID (Lab Use Only) |
| N | 10/16/1 | 2 1035 | X | m | 0-41 | +-+ | - 5 | 5 | | | 7 | A | 2 | | | | | -001 |
| - | T | 1145 | T | mu | 1-32 | | | 1 | | | ľ | 11 | T | | | | | 002 |
| | | 1230 | | MU | 134 | | | | | | | T | | | | | | 003 |
| | | 1325 | | MW. | -43 | | | | | | | T | | | | | | att |
| | | 1425 | | mu | -51 | | | | | | | 1 | | | | 3 | - | 005 |
| | V. | 1515 | | mw. | -40R | | | | | | | Π | | | | | | 0010 |
| | 19/17/13 | 0930 | | mw. | -50 | | | | | | | Π | | | | | | 007 |
| | 1 | 1050 | | mw | -52 | | | | | | | | | | | | | 008 |
| | | 1140 | 1. | mu. | -39 | | | | | | | Π | | | | | | 009 |
| | ¥ | 1255 | 4 | naw | -49 | | | 1 | | | 4 | 1 | V | | | | | DID |
| | round time | | Constant and the second second | 25% Rush | | 100% R | | | | | | | Times | TNOTE | 0. | | No. of Concession, Name | |
| eling | uished by | (Signature) | | Date: /if 12_ Date: Date: | | ved by: (S ved by: (S ved by: (S | Signatur har | ael 1 | es. | 10 | ate: 18/1 ate: 17/1 ate: | - 1 | Time: 1400 Time: 1000 Time: | | 5: | | | 3 |
| leling | uished by | (Signature) | | Date: | Time: Receiv | ved by: (S | Signatur | 9) | | D | ate: | 1 | Time: | · · | | • | | |
| Aatrix Contair | | W - Wastewater DA - 40 mi vial | , | | S - Soil SD - So / Or Glass 1 Liter | | Liquid 0 ml - Gla | A - A | ir Bag | g | | | oal tube stic or other | SL - stuc | ige O-O | 8 | | |

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

| 1.1.1 | | | | | | | | | | | CHAIN OF CUSTODY REC |
|---------------------|---|----------------------|---|-----------------------|-----------------------|------------|-----------|-------|--------------|----------------------|----------------------|
| GE | $\frac{\text{COSCI}}{\text{ger} - \frac{S4}{24}}$ | | Laboratory: Address: Contact: Phone: PO/SO #: Sampler's Sign | A150 ndy F 0410 | & -com 002, | ar | | | | VSIS UESTE OGO OBOLA | Due Date: |
| roj. No. 04/000: | 2 Prr | bject Name | 15 | | No/ | Type of (| Contain | ers | E | 1 | |
| latrix Date | Time O | G I Identifying M | arks of Sample(s) | Start | NON Dept | A/G 1LL | 250 mi | | FA | NI | |
| V 10/17/12 | 1405 | × mw | -48 | | ~ | | | | AX | 4 | |
| | 1505 | mw- | 38 | | 1 | | • | | 11 | | -012 |
| 4 | 1550 | ma | -36 | | | 1 | | | 1 | | -012 |
| 10/18/12 | 0900 | mw | -6 | | | | | | | | |
| 1 1 | 1000 | mw | -13 | | | | | | \uparrow | | |
| | 1050 | mw. | 1 | | | - | | - | | l' | |
| | 1130 | mw- | .47 | | 1 | 1 | | - | \mathbb{H} | | |
| | 1225 | mw- | - | | | 1 | | | | | |
| | | 111 | * | | | - | | 1k | | ++ | - 010 |
| V | | 1 | ~ | + | T | 1 | 62 | R | 4 | ++ | |
| Im around time | Normal | 25% Rush | 0 50% Rush . (| 100% R | ush | <u> </u> | 1.4 | | - | 4 | |
| ninquished by i | (Signature) | Date: 10/18/12 | Time: Recei | wed by: (S | Signature) | ele | - 10 | Date: | | | NOTES: |
| elinquished by | | Date: | Time: Aecei | ved by: | Signature) | | 1 | Date: | | Time: | |
| elinquished by | (Signature) | Date: | Time: Recei | ved by: (S | Signature) | - | | Date: | - | Time: | |

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



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

November 01, 2012

Kyle Summers

Southwest Geoscience 606 S. Rio Grande Unit A Aztec, NM 87410 TEL: (903) 821-5603 FAX (214) 350-2914

RE: Largo CS

OrderNo.: 1210969

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 6 sample(s) on 10/20/2012 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1210969 Date Reported: 11/1/2012

CLIENT: Southwest Geoscience

Project: Largo CS Lab ID: 1210969-001

=

Client Sample ID: MW-9

Collection Date: 10/19/2012 8:45:00 AM

Received Date: 10/20/2012 10:00:00 AM

| Analyses | Result | RL Qu | al Units | DF | Date Analyzed |
|-------------------------------|--------|----------|----------|----|------------------------|
| EPA METHOD 8015B: DIESEL RANG | E | | | | Analyst: SCC |
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/22/2012 3:16:18 PM |
| Surr: DNOP | 122 | 79.5-166 | %REC | 1 | 10/22/2012 3:16:18 PM |
| EPA METHOD 8015B: GASOLINE RA | NGE | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | ND | 0.050 | mg/L | 1 | 10/26/2012 11:29:18 PM |
| Surr: BFB | 118 | 51.9-148 | %REC | 1 | 10/26/2012 11:29:18 PM |
| EPA METHOD 8021B: VOLATILES | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | µg/L | 1 | 10/26/2012 11:29:18 PM |
| Toluene | ND | 1.0 | µg/L | 1 | 10/26/2012 11:29:18 PM |
| Ethylbenzene | ND | 1.0 | µg/L | 1 | 10/26/2012 11:29:18 PM |
| Xylenes, Total | ND | 2.0 | µg/L | 1 | 10/26/2012 11:29:18 PM |
| Surr: 4-Bromofluorobenzene | 97.0 | 69.7-152 | %REC | 1 | 10/26/2012 11:29:18 PM |

Matrix: AQUEOUS

Qualifiers:

*

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL **Reporting Detection Limit**

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 1210969 Date Reported: 11/1/2012

CLIENT: Southwest Geoscience

Project: Largo CS Lab ID: 1210969-002

Client Sample ID: MW-3R Collection Date: 10/19/2012 9:30:00 AM

Received Date: 10/20/2012 10:00:00 AM

| Analyses | Result | RL C | Qual | Units | DF | Date Analyzed |
|-------------------------------|--------|----------|------|-------|----|------------------------|
| EPA METHOD 8015B: DIESEL RANG | GE | | | | | Analyst: SCC |
| Diesel Range Organics (DRO) | ND | 1.0 | | mg/L | 1 | 10/22/2012 3:41:41 PM |
| Surr: DNOP | 126 | 79.5-166 | | %REC | 1 | 10/22/2012 3:41:41 PM |
| EPA METHOD 8015B: GASOLINE RA | ANGE | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 0.48 | 0.050 | | mg/L | 1 | 10/26/2012 11:59:36 PM |
| Surr: BFB | 318 | 51.9-148 | S | %REC | 1 | 10/26/2012 11:59:36 PM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: NSB |
| Benzene | ND | 1.0 | | µg/L | 1 | 10/26/2012 11:59:36 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/26/2012 11:59:36 PM |
| Ethylbenzene | 1.2 | 1.0 | | µg/L | 1 | 10/26/2012 11:59:36 PM |
| Xylenes, Total | 2.8 | 2.0 | | µg/L | 1 | 10/26/2012 11:59:36 PM |
| Surr: 4-Bromofluorobenzene | 129 | 69.7-152 | | %REC | 1 | 10/26/2012 11:59:36 PM |

Matrix: AQUEOUS

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

Р Sample pH greater than 2

Reporting Detection Limit RL

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

RPD outside accepted recovery limits R

Hall Environmental Analysis Laboratory, Inc.

_

Analytical Report Lab Order 1210969 Date Reported: 11/1/2012

| CLIENT: Southwest Geoscience | | | Client Samp | le ID: MW-1 | 6 |
|-------------------------------|---------|------------------|--------------------|--------------|------------------------|
| Project: Largo CS | | 2012 10:20:00 AM | | | |
| Lab ID: 1210969-003 | Matrix: | AQUEOUS | Received | Date: 10/20/ | 2012 10:00:00 AM |
| Analyses | Result | RL Q | ual Units | DF | Date Analyzed |
| EPA METHOD 8015B: DIESEL RANG | GE | | | | Analyst: SCC |
| Diesel Range Organics (DRO) | ND | 1.0 | mg/L | 1 | 10/22/2012 4:07:05 PM |
| Surr: DNOP | 127 | 79.5-166 | %REC | 1 | 10/22/2012 4:07:05 PM |
| EPA METHOD 8015B: GASOLINE R | ANGE | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 0.38 | 0.050 | mg/L | 1 | 10/27/2012 12:29:42 AM |
| Surr: BFB | 154 | 51.9-148 | S %REC | 1 | 10/27/2012 12:29:42 AM |
| EDA METHOD 9024 P. VOL ATH ES | | | | | Analyst NCD |

EPA METHOD 8021B: VOLATILES Analyst: NSB Benzene 100 10 µg/L 10 10/27/2012 5:58:55 PM Toluene ND 1.0 µg/L 1 10/27/2012 12:29:42 AM Ethylbenzene 3.9 1.0 µg/L 1 10/27/2012 12:29:42 AM Xylenes, Total ND 2.0 µg/L 1 10/27/2012 12:29:42 AM Surr: 4-Bromofluorobenzene 111 69.7-152 %REC 1 10/27/2012 12:29:42 AM

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

Е Value above quantitation range

J Analyte detected below quantitation limits

Sample pH greater than 2 P

RL **Reporting Detection Limit**

- В Analyte detected in the associated Method Blank
- Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Analytical Report

Lab Order 1210969

Date Reported: 11/1/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience Client Sample ID: MW-15 **Project:** Largo CS Collection Date: 10/19/2012 11:10:00 AM 1210969-004 Lab ID: Matrix: AQUEOUS Received Date: 10/20/2012 10:00:00 AM Result Analyses **RL** Qual Units DF **Date Analyzed** EPA METHOD 8015B: DIESEL RANGE Analyst: SCC Diesel Range Organics (DRO) 10 mal 4 10/22/2012 4:32:29 PM

| Dieser Range Organics (DRO) | ND | 1.0 | | mg/L | | 10/22/2012 4:32:29 PM |
|----------------------------------|-----|----------|---|------|----|------------------------|
| Surr: DNOP | 124 | 79.5-166 | | %REC | 1 | 10/22/2012 4:32:29 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 2.0 | 0.050 | | mg/L | 1 | 10/27/2012 12:59:59 AM |
| Surr: BFB | 558 | 51.9-148 | S | %REC | 1 | 10/27/2012 12:59:59 AM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: NSB |
| Benzene | 400 | 10 | | µg/L | 10 | 10/27/2012 11:31:28 PM |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/27/2012 12:59:59 AM |
| Ethylbenzene | 7.2 | 1.0 | | µg/L | 1 | 10/27/2012 12:59:59 AM |
| Xylenes, Total | 7.8 | 2.0 | | µg/L | 1 | 10/27/2012 12:59:59 AM |
| Surr: 4-Bromofluorobenzene | 180 | 69.7-152 | S | %REC | 1 | 10/27/2012 12:59:59 AM |
| | | | | | | |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

Ρ Sample pH greater than 2

RL **Reporting Detection Limit** В Analyte detected in the associated Method Blank

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

R RPD outside accepted recovery limits

Analytical Report

Lab Order 1210969

Date Reported: 11/1/2012

10/27/2012 1:30:10 AM

10/27/2012 1:30:10 AM

10/27/2012 1:30:10 AM

10/27/2012 1:30:10 AM

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: Southwest Geoscience | | | C | lient Sample | ID: MW-7 | |
|--------------------------------|---------|----------|------|--------------|--------------|------------------------|
| Project: Largo CS | | | | Collection D | ate: 10/19/2 | 2012 11:55:00 AM |
| Lab ID: 1210969-005 | Matrix: | AQUEOU | S | Received D | ate: 10/20/2 | 2012 10:00:00 AM |
| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
| EPA METHOD 8015B: DIESEL RANGI | E | | | | | Analyst: SCC |
| Diesel Range Organics (DRO) | 2.5 | 1.0 | | mg/L | 1 | 10/22/2012 4:57:51 PM |
| Surr: DNOP | 118 | 79.5-166 | | %REC | 1 | 10/22/2012 4:57:51 PM |
| EPA METHOD 8015B: GASOLINE RA | NGE | | | | | Analyst: NSB |
| Gasoline Range Organics (GRO) | 32 | 0.50 | | mg/L | 10 | 10/27/2012 1:30:10 AM |
| Surr: BFB | 294 | 51.9-148 | S | %REC | 10 | 10/27/2012 1:30:10 AM |
| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: NSB |
| Benzene | 8200 | 500 | | µg/L | 500 | 10/28/2012 12:01:44 AM |

10

10

20

69.7-152

µg/L

µg/L

µg/L

%REC

10

10

10

10

ND

130

36

133

Qualifiers:

*

Toluene

Ethylbenzene

Xylenes, Total

Surr: 4-Bromofluorobenzene

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

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

R RPD outside accepted recovery limits

Date Reported: 11/1/2012

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Southwest Geoscience Client Sample ID: MW-11 Project: Largo CS Collection Date: 10/19/2012 12:35:00 PM 1210969-006 Matrix: AQUEOUS Received Date: 10/20/2012 10:00:00 AM Lab ID: Analyses Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015B: DIESEL RANGE** Analyst: SCC 10/22/2012 5:23:12 PM **Diesel Range Organics (DRO)** ND 1.0 mg/L 1 Surr: DNOP 127 79.5-166 %REC 1 10/22/2012 5:23:12 PM **EPA METHOD 8015B: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) mg/L 10/27/2012 2:31:41 AM 5.3 0.050 1 Surr: BFB 692 %REC 51.9-148 S 1 10/27/2012 2:31:41 AM

| EPA METHOD 8021B: VOLATILES | | | | | | Analyst: NSB |
|-----------------------------|------|----------|---|------|----|------------------------|
| Benzene | 1100 | 50 | | µg/L | 50 | 10/28/2012 12:31:59 AM |
| Toluene | ND | 1.0 | | µg/L | 1 | 10/27/2012 2:31:41 AM |
| Ethylbenzene | 11 | 1.0 | | µg/L | 1 | 10/27/2012 2:31:41 AM |
| Xylenes, Total | 41 | 2.0 | | µg/L | 1 | 10/27/2012 2:31:41 AM |
| Surr: 4-Bromofluorobenzene | 181 | 69.7-152 | S | %REC | 1 | 10/27/2012 2:31:41 AM |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

WO#: 1210969

01-Nov-12

Client: Southwest Geoscience

| Project: Largo | CS | | | |
|-----------------------------|---------------------------|---------------------------|----------------------|---|
| Sample ID MB-4458 | SampType: MBLK | TestCode: EPA Method | 8015B: Diesel Range | |
| Client ID: PBW | Batch ID: 4458 | RunNo: 6379 | | |
| Prep Date: 10/22/2012 | Analysis Date: 10/22/2012 | SeqNo: 184274 | Units: mg/L | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Diesel Range Organics (DRO) | ND 1.0 | | in the second second | |
| Surr: DNOP | 1.3 1.000 | 128 79.5 | 166 | and the state of the |
| Sample ID LCS-4458 | SampType: LCS | TestCode: EPA Method | 8015B: Diesel Range | |
| Client ID: LCSW | Batch ID: 4458 | RunNo: 6379 | | |
| Prep Date: 10/22/2012 | Analysis Date: 10/22/2012 | SeqNo: 184275 | Units: mg/L | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Diesel Range Organics (DRO) | 4.0 1.0 5.000 | 0 80.7 74 | 157 | |
| Surr: DNOP | 0.63 0.5000 | 125 79.5 | 166 | a contractor de la constante |
| Sample ID LCSD-4458 | SampType: LCSD | TestCode: EPA Method | 8015B: Diesel Range | |
| Client ID: LCSS02 | Batch ID: 4458 | RunNo: 6379 | | |
| Prep Date: 10/22/2012 | Analysis Date: 10/22/2012 | SeqNo: 184276 | Units: mg/L | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD | RPDLimit Qual |
| Diesel Range Organics (DRO) | 4.0 1.0 5.000 | 0 0 80.5 74 | 157 0.253 | 23 |
| Surr: DNOP | 0.60 0.5000 |) 120 79.5 | 166 0 | 0 |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Page 7 of 9

Result

Result

23

22

PQL

SampType: LCS

Batch ID: R6519

Analysis Date: 10/27/2012

PQL

Qual

Qual

Qual

Qual

| Sample ID 5ML RB | SampT | ype: MI | BLK | Tes | tCode: El | PA Method | 8015B: Gaso | line Rang | e |
|--|------------|----------|-----------|-------------|-----------|-----------|-------------|-----------|----------|
| Client ID: PBW | Batch | n ID: Re | 515 | F | RunNo: 6 | 515 | | | |
| Prep Date: | Analysis D | ate: 1 | 0/26/2012 | S | SeqNo: 1 | 87941 | Units: mg/L | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit |
| Gasoline Range Organics (GRO) Surr: BFB | ND 23 | 0.050 | 20.00 | | 115 | 51.9 | 148 | | |
| Sample ID 2.5UG GRO LCS | SampT | ype: LC | s | Tes | tCode: E | PA Method | 8015B: Gaso | line Rang | e |
| Client ID: LCSW | Batch | n ID: RE | 515 | F | RunNo: 6 | 515 | | | |
| Prep Date: | Analysis D | ate: 1 | 0/26/2012 | S | SeqNo: 1 | 87942 | Units: mg/L | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit |
| Gasoline Range Organics (GRO) | 0.44 | 0.050 | 0.5000 | 0 | 88.8 | 75.9 | 119 | | |
| Surr: BFB | 24 | | 20.00 | | 118 | 51.9 | 148 | | |
| Sample ID 5ML RB | SampT | ype: MI | BLK | Tes | tCode: E | PA Method | 8015B: Gaso | line Rang | e |
| Client ID: PBW | Batch | h ID: Re | 519 | F | RunNo: 6 | 519 | | | |
| Prep Date: | Analysis D | Date: 1 | 0/27/2012 | 5 | SegNo: 1 | 88138 | Units: %REC | | |

SPK value SPK Ref Val %REC

SPK value SPK Ref Val

20.00

20.00

Client: Southwest Geoscience

Project: Largo CS

Surr: BFB

Client ID:

Prep Date:

Surr: BFB

Analyte

Client ID: PBW Prep Date: Analyte

Sample ID 2.5UG GRO LCS

LCSW

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- Analyte detected below quantitation limits J
- P Sample pH greater than 2

Analyte detected in the associated Method Blank В

LowLimit

LowLimit

51.9

51.9

TestCode: EPA Method 8015B: Gasoline Range

112

RunNo: 6519

%REC

SeqNo: 188139

114

HighLimit

148

Units: %REC

148

HighLimit

%RPD

%RPD

RPDLimit

RPDLimit

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- RPD outside accepted recovery limits R

1210969

WO#:

01-Nov-12

WO#: 1210969

01-Nov-12

| Project: | Largo CS | | | | | | | | | | |
|----------------|----------------|------------|----------|-----------|-------------|-----------|-----------|--------------|------|----------|------|
| Sample ID | 5ML RB | SampT | ype: MI | BLK | Tes | tCode: E | PA Method | 8021B: Volat | iles | | |
| Client ID: | PBW | Batcl | n ID: R6 | 515 | F | RunNo: 6 | 515 | | | | |
| Prep Date: | | Analysis D | ate: 1 | 0/26/2012 | 5 | SeqNo: 1 | 87969 | 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-Brom | ofluorobenzene | 21 | | 20.00 | | 107 | 69.7 | 152 | | | |
| Sample ID | 100NG BTEX LCS | SampT | ype: LC | s | Tes | tCode: E | PA Method | 8021B: Volat | iles | | |
| Client ID: | LCSW | Batch | n ID: R6 | 515 | F | RunNo: 6 | 515 | | | | |
| Prep Date: | | Analysis E | ate: 1 | 0/26/2012 | 5 | SeqNo: 1 | 87970 | Units: µg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | 19 | 1.0 | 20.00 | 0 | 96.3 | 80 | 120 | | | |
| Toluene | | 20 | 1.0 | 20.00 | 0 | 97.6 | 80 | 120 | | | |
| Ethylbenzene | | 20 | 1.0 | 20.00 | 0 | 99.3 | 80 | 120 | | | |
| Xylenes, Total | | 62 | 2.0 | 60.00 | 0 | 103 | 80 | 120 | | | |
| Surr: 4-Brom | ofluorobenzene | 22 | | 20.00 | | 112 | 69.7 | 152 | | | _ |
| Sample ID | 5ML RB | SampT | ype: ME | BLK | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: | PBW | Batch | ID: R6 | 519 | F | RunNo: 6 | 519 | | | | |
| Prep Date: | | Analysis D | ate: 10 | 0/27/2012 | 5 | SeqNo: 1 | 88183 | Units: µg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | ND | 1.0 | | | | | | | | |
| Surr: 4-Brom | ofluorobenzene | 21 | | 20.00 | | 105 | 69.7 | 152 | | | |
| Sample ID | 100NG BTEX LCS | SampT | ype: LC | s | Tes | tCode: El | PA Method | 8021B: Volat | iles | | |
| Client ID: | LCSW | Batch | D: R6 | 519 | F | RunNo: 6 | 519 | | | | |
| Prep Date: | | Analysis D | ate: 10 | 0/27/2012 | 5 | SeqNo: 1 | 88184 | Units: µg/L | | | |
| Analyte | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Benzene | | 18 | 1.0 | 20.00 | 0 | 92.3 | 80 | 120 | | | |
| Curr A Drom | ofluorobenzene | 23 | | 20.00 | | 113 | 69.7 | 152 | | | |

Qualifiers:

* Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

B Analyte detected in the associated Method Blank

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

R RPD outside accepted recovery limits

Page 9 of 9

| ENVIRONMENTAL ANALYSIS LABORATORY | | 4901 Hav verque, N 4X: 505-3 | vkins NI M 8710 145-410 | E IS I; | Sample Log-In Check List |
|---|------------------------|------------------------------------|-------------------------------|---------------|--|
| Client Name: Southwest Geoscience | | rk Order | Numbe | ər: ' | 1210969 |
| Received by/date: AF | 10/20/13 | | | ~ ` | |
| Logged By: Michelle Garcia | 10/20/2012 10:00:00 AM | | - | rμ | inelle Garries |
| Completed By: Michelle Garcia | 10/22/2012 8:35:28 AM | | 4 | mi | well Comins |
| Reviewed By: | 10/22/2012 | | | | 5 A 4 |
| 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 | | | |
| og In | | | | | |
| 4. Coolers are present? (see 19. for cooler s | pecific Information) | Yes 🗹 | No [| | |
| 5. Was an attempt made to cool the samples | s? | Yes 🗹 | No [| | |
| 6. Were all samples received at a temperatu | re of >0° C to 6.0°C | Yes 🗹 | No [| | |
| 7. Sample(s) in proper container(s)? | | Yes 🗹 | No [| | |
| 8. Sufficient sample volume for indicated tes | | Yes 🗹 | | | |
| 9. Are samples (except VOA and ONG) prop | | Yes 🗹 | | | |
| 10. Was preservative added to bottles? | | Yes 🗌 | No b | | NA 🗆 |
| 11, VOA vials have zero headspace? | | Yes 🗹 | No [| | No VOA Vials |
| 12. Were any sample containers received bro | ken? | Yes 🗆 | No B | ~ | |
| 13. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes 🗹 | No [| | # of preserved bottles checked for pH: |
| 14. Are matrices correctly identified on Chain | | Yes 🗹 | | | (<2 or >12 unless noted) |
| 15. Is it clear what analyses were requested? | | Yes 🗹 | | | Adjusted? |
| 16. Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes 🗹 | NOL | | Checked by: |
| Special Handling (If applicable) | | | | | |
| 17. Was client notified of all discrepancies with | h this order? | Yes 🗆 | No [| | NA 🗹 |
| Person Notified: By Whom: Regarding: Client Instructions: | Date: Via: | eMail (|] Pho | one | Fax In Person |

19. Cooler Information

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|-----------|---------|-----------|-------------|---------|-----------|-----------|
| 1 | 2.8 | Good | Yes | | | |

| | | - | | * | | š., | | | | | | • | | | | | | | | 81 | | Cł | HAIN | OF | CUSTODY RECOR |
|-----------------|------------------|-----------------------|---|----------|---------|------|-----------------|-------------------|----------------------|----------|--|------------------|--------------|------------|-----------|-------------------------------|--------|--|-------------|------------|------|----|------|--------|---|
| Offic Proj | ect Ma | E E nenta catio | uth osc $u \in HydrogenA \ge 0ger Su$ | | Engle C | | : E ultants | - F | onta onta hone | atory: | ndy | Q Fi | EL. | | n | | 10.55 | IALYSIS EQUEST | 副 / / | | | | | | Lab use only Due Date: Temp. of coolers <. & ` when received (C°): 1 2 3 4 5 Page of |
| Proj. | 710 | DC | 2 | Proj | ject N | lame | 90 | C | 5 | | | | No/T | ype of (| Contair | ners | 0 | TW | | | / /. | | / | | |
| Matrix | the state | 1 | Time | CoEo | Grab | Ide | ntifying | y Mark | s of Sa | umple(s) | Start | Depth | VOA | A/G 1LL | 250 mi | P/0 | A | E | | | // | // | / | 7. | 210969 ample ID (Lab Use Only) |
| Ŵ | 10/19 | 12 | ORKS | -F | X | | nu | | | | | | 5 | | | | x | X | | \uparrow | 11 | 1 | | | -001 |
| 1 | | | 0730 | | 1 | | nu | | | , | | | | | | | T | Í | | | | | | | 003 |
| | | | 1020 | | | - | 14 | - | • | | | | | | | | Π | | | | | | | | 603 |
| | | | 1110 | | | 10.0 | nW | | 15 | | | | | | | | | | | | | | | | 004 |
| | | | 11.55 | | | 1. | nw | | 7, | | | | | | | | | | | | | l | | | 205 |
| Y | | 4 | 1235 | 1 | N | n | 111 | 1- | 11 | | | 8 | V | | | | V | V | | | | | | | 006 |
| | | | | | | | * | | | K | A.S. | FS | | | | | | | | | | | | •.•. • | |
| Turn (| round | time | Anor | mai | | 25% | Rush | | 50% R | ush C | 100% | Rush | | | | | | | | | | | - | _ | |
| Relin | juished Worth | by (| Signature) | | | | In | 152 152 172 | me: | Receiver | ved by: Uet by: Med by: ved by: | (Signa (Signa | ture) | etei | 2 / | Date Date / d 2 Date | 1/2 | Time: /52.5 Time: 10 ;00 Time: | NOTES: | | | | | | |
| Relin | quished | l by (| Signature) | | | Date | e: | П | me: | Receiv | ved by: | (Signa | ture) | | | Date | | Time: | | | | | | | |
| Matrix Conta | | WW VO | V - Wastewa A - 40 ml via | ter 1 | | | Vater - Ambe | s r/or | - Soll | SD - So | | - Liqui | d A Glass | - Air Ba | ag | C. | - Char | coal tube | SL - sludge | 0-0 |)II | - | | - | |

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



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

October 31, 2012

Kyle Summers Southwest Geoscience 606 S. Rio Grande Unit A Aztec, NM 87410 TEL: (903) 821-5603 FAX (214) 350-2914

RE: Largo CS

OrderNo.: 1210935

Dear Kyle Summers:

Hall Environmental Analysis Laboratory received 6 sample(s) on 10/19/2012 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 <u>www.hallenvironmental.com</u> 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Date Reported: 10/31/2012

Hall Environmental Analysis Laboratory, Inc.

| CLIENT: | Southwest Geoscience | | | Client Sampl | e ID: MW-4 | 1 | | | |
|-----------|----------------------|---------|---------|---------------------------------------|--------------|-----------------------|--|--|--|
| Project: | Largo CS | | | Collection 1 | Date: 10/16/ | 2012 10:35:00 AM | | | |
| Lab ID: | 1210935-001 | Matrix: | AQUEOUS | Received Date: 10/19/2012 10:00:00 AM | | | | | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed | | | |
| SM2540C | MOD: TOTAL DISSOLVED | SOLIDS | | | | Analyst: KS | | | |
| Total Dis | solved Solids | 30200 | 1000 | mg/L | 1 | 10/25/2012 7:55:00 AN | | | |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

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

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2012

| CLIENT: | Southwest Geoscience | | | Client Sampl | e ID: MW-4 | 43 |
|-----------|----------------------|---------|---------|---------------------|------------------|-----------------------|
| Project: | Largo CS | | | Collection 1 | Date: 10/16/ | 2012 1:25:00 PM |
| Lab ID: | 1210935-002 | Matrix: | AQUEOUS | Received I | 2012 10:00:00 AM | |
| Analyses | | Result | RL Qu | al Units | DF | Date Analyzed |
| SM2540C | MOD: TOTAL DISSOLVED | SOLIDS | | | | Analyst: KS |
| Total Dis | solved Solids | 7630 | 200 | mg/L | 1 | 10/25/2012 7:55:00 AM |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL **Reporting Detection Limit**

- В Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2012

| CLIENT: | Southwest Geoscience | | Client Sample ID: MW-40R | | | | | | | |
|-----------|----------------------|---------|--------------------------|------------|--------------|-----------------------|--|--|--|--|
| Project: | Largo CS | | | Collection | Date: 10/16/ | 2012 3:15:00 PM | | | | |
| Lab ID: | 1210935-003 | Matrix: | AQUEOUS | Received | Date: 10/19/ | 2012 10:00:00 AM | | | | |
| Analyses | | Result | RL Q | ual Units | DF | Date Analyzed | | | | |
| SM2540C | MOD: TOTAL DISSOLVED | SOLIDS | | | | Analyst: KS | | | | |
| Total Dis | solved Solids | 7930 | 200 | mg/L | 1 | 10/25/2012 7:55:00 AM | | | | |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2012

| CLIENT: | Southwest Geoscience | Client Sample ID: MW-52 | | | | | | | |
|-----------|----------------------|-------------------------|---------|--------------|--------------|-----------------------|--|--|--|
| Project: | Largo CS | | | Collection I | Date: 10/17/ | 2012 10:50:00 AM | | | |
| Lab ID: | 1210935-004 | Matrix: | AQUEOUS | Received I | Date: 10/19/ | 2012 10:00:00 AM | | | |
| Analyses | | Result | RL Qual | Units | DF | Date Analyzed | | | |
| SM25400 | MOD: TOTAL DISSOLVED | SOLIDS | | | | Analyst: KS | | | |
| Total Dis | solved Solids | 27000 | 1000 | mg/L | 1 | 10/25/2012 7:55:00 AN | | | |

Qualifiers:

*

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

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

R RPD outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 10/31/2012

| CLIENT: | Southwest Geoscience | | Client Sample ID: MW-38 | | | | | | | |
|-----------------|----------------------|---------|-------------------------|--------------|--------------|-----------------------|--|--|--|--|
| Project: | Largo CS | | | Collection] | Date: 10/17/ | 2012 3:05:00 PM | | | | |
| Lab ID: | 1210935-005 | Matrix: | AQUEOUS | Received I | Date: 10/19/ | 2012 10:00:00 AM | | | | |
| Analyses | | Result | RL Qua | l Units | DF | Date Analyzed | | | | |
| SM2540C | MOD: TOTAL DISSOLVED | SOLIDS | | | | Analyst: KS | | | | |
| Total Dis | solved Solids | 3000 | 40.0 | mg/L | 1 | 10/25/2012 7:55:00 AM | | | | |

Qualifiers:

*

- Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits

P Sample pH greater than 2

RL Reporting Detection Limit

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

R RPD outside accepted recovery limits

Analytical Report Lab Order 1210935 Date Reported: 10/31/2012

Hall Environmental Analysis Laboratory, Inc.

I

| CLIENT: | Southwest Geoscience | | Client Sample ID: MW-6 | | | | | | | |
|------------|----------------------|---------|------------------------|------|--------------|--------------|-----------------------|--|--|--|
| Project: | Largo CS | | | | Collection I | Date: 10/18/ | 2012 9:00:00 AM | | | |
| Lab ID: | 1210935-006 | Matrix: | AQUEOU | S | Received I | Date: 10/19/ | 2012 10:00:00 AM | | | |
| Analyses | Bernet | Result | RL | Qual | Units | DF | Date Analyzed | | | |
| SM2540C | MOD: TOTAL DISSOLVED | SOLIDS | | | | | Analyst: KS | | | |
| Total Diss | solved Solids | 8420 | 200 | | mg/L | 1 | 10/25/2012 7:55:00 AM | | | |

Qualifiers:

٠

Value exceeds Maximum Contaminant Level.

E Value above quantitation range

Analyte detected below quantitation limits J

Sample pH greater than 2 P

RL Reporting Detection Limit

- Analyte detected in the associated Method Blank В
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- R RPD outside accepted recovery limits

WO#: 1210935

31-Oct-12

| Client: South Project: Large | west Geoscience CS | | | |
|---------------------------------|---------------------------|---------------------------|----------------------------|------------|
| Sample ID MB-4469 | SampType: MBLK | TestCode: SM2540C M | OD: Total Dissolved Solids | |
| Client ID: PBW | Batch ID: 4469 | RunNo: 6465 | | |
| Prep Date: 10/23/2012 | Analysis Date: 10/25/2012 | SeqNo: 185898 | Units: mg/L | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPD | Limit Qual |
| otal Dissolved Solids | ND 20.0 | | | |
| Sample ID LCS-4469 | SampType: LCS | TestCode: SM2540C M | OD: Total Dissolved Solids | |
| Client ID: LCSW | Batch ID: 4469 | RunNo: 6465 | | |
| Prep Date: 10/23/2012 | Analysis Date: 10/25/2012 | SeqNo: 185899 | Units: mg/L | |
| Analyte | Result PQL SPK value | SPK Ref Val %REC LowLimit | HighLimit %RPD RPD | Limit Qual |
| Total Dissolved Solids | 1010 20.0 1000 | 0 101 80 | 120 | |

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH greater than 2

- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
 - R RPD outside accepted recovery limits

| ENVIRONMENTAL ANALYSIS LABORATORY 7EL: 50 | Nironmental A Albuq 05-345-3975 F site: www.hall | 4901 werque AX: 50 | Hanr NA)5-34 | kins 4 871 45-41 | VE 05 07 | Sample Log-In Check List |
|--|---|----------------------------|---------------------|--------------------------|----------------|--|
| Client Name: Southwest Geoscience | w | ork Ord | der 1 | Numl | ber: | 1210935 |
| Received by/date: MG 10/m/12 | | | | | | |
| | 10:00:00 AM | A | | | O. | 4194 go |
| Completed By: Lindsay Mangin 10/19/2012 | 2:00:27 PM | | | | A | utto |
| Reviewed By: | 9)12 | | | | 0 | |
| Chain of Custody | | | | | | |
| 1. Were seals intact? | | Yes | * 1 | No | 2 | Not Present 🖌 |
| 2. Is Chain of Custody complete? | | Yes | ~ | No | | Not Present |
| How was the sample delivered? | | Cour | ier | | | |
| Log In | | | | | | |
| 4. Coolers are present? (see 19. for cooler specific information | ation) | Yès | ~ | No | | NA |
| 5. Was an attempt made to cool the samples? | | Yes | V | No | | NA |
| 6. Were all samples received at a temperature of >0° C to | o 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 | d? | Yes | ~ | No | 1 | |
| 10. Was preservative added to bottles? | | Yes | | No | V | NA |
| 11, VOA vials have zero headspace? | | Yes | 5 | No | • | No VOA Vials 🖌 |
| 12. Were any sample containers received broken? | | Yes | | No | 1 | |
| Does paperwork match bottle labels? (Note discrepancies on chain of custody) | | Yes | ~ | No | | # of preserved bottles checked for pH: |
| 14. Are matrices correctly identified on Chain of Custody? | | Yes | ~ | No | : | (<2 or >12 unless noted) |
| 15. Is it clear what analyses were requested? | | Yes | ~ | No | - 40 | Adjusted? |
| Were all holding times able to be met? (If no, notify customer for authorization.) | | Yes | ~ | No | 4 | 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: | · eMa | il | PI | hone | Fax In Person |
| Regarding: | | | | | | |
| Client Instructions: | | | | | | |
| 18. Additional remarks: | | | | | | |
| 19. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Intact S 1 1.0 Good Yes | Seal No S | eal Da | te | | Sign | ed By |
| Page 1 of 1 | | | | | | |

| | | | | | | | CHAIN OF CUSTODY RECOF |
|--|---|---|---------------------------|-------------------|---|---------------------|---|
| Southwes Environmental & Hydrogeologic Consulta Diffice Location A2BC Project Manager Summer Summ | Address: <u>A</u> Contact: <u>A</u> Phone: PO/SO #: <u>O</u> | dy Fre 41000 | | • | ANALYSIS REQUESTED | | Lab use only Due Date: Temp. of coolers /. () when received (C°): 1 2 3 4 5 Pageof |
| roj. No. 04/0042 Project Name | oCS | | No/Type of | Containers | | | 1210935 |
| | ying Marks of Sample(s) | Start Depth Depth | VOA AG | | | | Lab Sample ID (Lab Use Only) |
| N 10/16/12 1035 X M | W-41 | | | X | XIII | | -001 |
| | W-43 | | | 1 | | | -004/2 |
| 1515 M | W-40R | | | | | | - 00163 |
| | W-52 | | | | | | -0084 |
| | W-38 | | | | | | - 0025 |
| 10/18/12 0900 ¥ M. | W-6 | | | V | | | -0046 |
| | | | | NE | C | | |
| | | | 27 | 4rr | | | |
| | | | np | | | | |
| urn aroupd time / Winormal 25% Ru | sh 🗆 50% Rush 🖸 1 | 100% Rush | | - | | | |
| telinguished by (Signature) | | d by: (Signat | ibela | | 2/12 1400 | NOTES: | |
| Allinguished by (Signature) Date: Mustime // Allen 10/19/12 Relinquished by (Signature) Date: | -1718 Mi | d by: (Signat <u>Mile</u> d by: (Signat | 1/2 | 0// 0// 0al | 5/12/000 | | |
| Relinquished by (Signature) Date: | Time: Receive | d by: (Signat | ure) | Dai | e: Time: | | |
| Matrix WW - Wastewater W - Wa Container VOA - 40 ml vial A/G - A | ter S - Soil SD - Solid mber / Or Glass 1 Liter | 1 L - Liquid 250 ml - 0 | A - Air E Glass wide m | Bag C nouth F | - Charcoal tube //O - Plastic or other | SL - sludge O - Oil | |

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