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ANNUAL DATA REPORT

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Annual Data Report
Former Giant Bloomfield Refinery

March 2009

Prepared For

Western Refining

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Annual Report 2008, Former Giant Refinery
Western Refining, Inc.
March 2009

Introduction

The following annual report describes work completed for the groundwater remediation system at the former Giant Bloomfield Refinery, in Bloomfield, New Mexico since the previous annual report submitted in April 2008. The report contains data collected during 2008, including:

- Analytical data obtained from groundwater sampling;
- Groundwater elevations gauged in monitoring wells;
- Free-phase product levels observed in groundwater monitoring wells;
- Tank volume data.

The former refinery, currently owned by Western Refining (Western), is located in the NW ¼ of Section 27 and the SW ¼ of Section 22, Township 29 N, Range 12W in San Juan County, New Mexico. It is on the corner of Highway 64 and County Road 350, approximately 5 miles west of the town of Bloomfield, New Mexico (Figure 1). The site consists of facilities, tanks and equipment associated with operation of the former Giant Bloomfield Refinery, as well as remedial equipment, groundwater recovery wells and groundwater monitoring wells both within and south of the refinery property boundary. The refinery operated from 1974 to 1982 and is presently inactive. The refinery produced leaded and unleaded gasoline, diesel, kerosene and other refined petroleum products.

Subsequent to closure of the refinery, groundwater contamination was discovered and investigated within the refinery property. The area within the refinery is referred to as the "on-site" area. Details of the investigation and initial remediation efforts are contained in a report entitled *Soil and Groundwater Investigations and Remedial Action Plan, Giant Industries, Inc. Bloomfield Refinery, Bloomfield, New Mexico*. Additionally, evidence of contamination south of the refinery was investigated. This area is referred to as the "off-site" area. The results of the investigation and remedial plans for the off-site area are contained in three volumes of the *Off-Site Hydrogeologic Investigation*. These reports were submitted to the New Mexico Oil and Gas Conservation Division (NMOCD) and are available for review.

A groundwater recovery, treatment and disposal system was installed in stages beginning in 1988 to contain the migration of contamination in the soil and aquifer and to clean the contaminated areas from both the on-site and off-site areas. As groundwater quality improved, the system was gradually simplified.

The current remediation system consists of a series of groundwater monitoring wells, groundwater recovery wells, water treatment facilities and a treated water infiltration trench (Figure 2). It operates under the conditions of Discharge Permit GW-040. The system processed approximately 2,026,246 gallons of water in 2008.

For several years, the groundwater remediation program has been in an operation and maintenance mode as described in the *Methodology* Section of this report. Constituents of concern (COCs) within the system's influent and effluent have been at non-detect levels. During 2008, Western began a supplemental evaluation of the remedial operations, which included shutting down the remediation system and sampling all groundwater wells under static conditions in an effort to redefine the area of impact and assess the effectiveness of the remediation system. Existing equipment was inspected and repaired to optimize system performance. Results from the sampling event are included in this report to better characterize groundwater at the site. A complete evaluation of the remedial system will be provided in a separate submittal.

Additional Background Information

The Lee Acres Landfill was located up-gradient of the former refinery and operated as a county landfill from 1962 to 1986. The landfill location is shown in Figure 1. Solid wastes were disposed in trenches, and a series of lagoons were used for disposal of a variety of liquid wastes. NMOCD sampled the lagoons in 1985 and showed the liquids in the impoundments contained a variety of chlorinated solvents, petroleum constituents, heavy metals and salts. In April 1985, a breach in the dike of the lagoons released the liquid wastes to an arroyo that flows across the refinery and the down-stream Lee Acres Subdivision (Figure 1). The NMOCD and the New Mexico Environment Department (NMED) identified contaminated water in private wells in the Lee Acres subdivision. The NMOCD required Giant to perform a groundwater investigation related to the refinery activities, and the NMED required the BLM to investigate contaminated water down-gradient of the landfill. The investigations identified two separate plumes of contaminated groundwater that became commingled across the refinery and into the Lee Acres Subdivision.

Groundwater contaminants contained in the refinery plume included free-phase and dissolved phase petroleum products. The dissolved phase constituents included benzene, toluene, ethyl-benzene and total xylenes (BTEX), naphthalene and 1,2 dichloroethane (EDC). The second groundwater contaminant plume originated from the landfill and contained 1,1 dichloroethane, cis-1,2-dichloroethene, trans-1,2-dichloroethene, tetrachloroethene, 1,1,1-trichloroethane, trichloroethene, total dissolved solids, chloride, sulfate and manganese. More information about landfill groundwater investigations can be found in the references listed at the end of this report.

Methodology

Groundwater Filtration System

The groundwater remediation system at the former refinery is designed to pump impacted groundwater from the local aquifer through a series of recovery wells, which prevent migration of affected water beyond the influence of the wells. Figure 3 illustrates the concept. The recovered groundwater is collected in a storage tank (Tank 102) and subsequently treated. The method of treatment used at the Former Bloomfield Refinery is carbon adsorption, where recovered water is pumped into a carbon filtration tank. Inside, volatile and non-volatile organic compounds are adsorbed into a carbon matrix lining the tank.

The treated water is discharged into the aquifer through an infiltration trench. The infiltration trench consists of a subsurface distribution system placed within gravel packs. Water infiltrates the surrounding strata and eventually makes its way back to the aquifer. The return of recovered water to the aquifer serves as a recharge mechanism. Figure 4 is a simplified diagram representation of groundwater recovery, treatment and disposal at the former refinery.

Inspections and Maintenance

Regular weekly inspections are performed to assure safe and efficient operation of the remediation system. The Control Panel, located in the Dispatch Office, serves to monitor and control the operation of the treatment system, while providing alarm and shutdown functions to safeguard against overflows and other undesirable events. The Control Panel is checked weekly. An inspection is also made in the control building at Tank 102, the southern infiltration gallery and each recovery well. Treated effluent volumes and flow rates are monitored weekly with a water meter that has been installed near the carbon adsorption tank. These values are recorded and compared with previous readings to ensure normal operation. Maintenance of the system includes repair and replacement of well pumps, replacement of filters in well houses, equipment lubrication, air compressor oil changes, listening for unusual pump and motor noise, inspecting the carbon pre-filter and repairing all equipment as required. Observations are recorded in a bound field logbook with the date, time and person recording the information noted. Meter readings are entered into a spreadsheet to calculate flow volumes and monitor flow rates. All equipment is inspected for leaks and malfunctions. The operator is familiar with the location of underground lines and notes any surface indication of underground leaks. Leaks of any size are noted and repaired.

Groundwater Monitoring

Monitoring includes regular sampling of groundwater from select groundwater wells located within and south of the refinery (Table 1). An explanation of changes to the groundwater sampling schedule since 2006 is included in Appendix A. In addition to the monitoring schedule defined in the Discharge Permit and shown in Table 1, Western sampled all of the groundwater wells under static conditions during the summer of 2008 to better characterize current groundwater conditions.

Water and product levels in each well are determined quarterly. This information is tabulated and utilized to prepare potentiometric surface maps. Oil absorbent socks are installed in all monitoring wells containing free-phase hydrocarbons. These socks are checked quarterly and replaced as necessary. The amount of product recovered by the socks is noted each time the socks are replaced.

Influent water is collected from a system valve before it enters storage Tank 102. Samples of effluent water are collected through a sample valve as treated water exits the carbon adsorption tank. Water is collected in appropriate pre-cleaned and/or pre-preserved sample bottles or glass vials. For EPA methods 601/602 and 8260B analyses, vials are filled and capped with no air inside to prevent degradation of the sample. Samples are labeled with the date and time of collection, sample designation, project name, collector's name and parameters to be analyzed. They are immediately sealed and packed on ice. The samples are shipped to a laboratory in Albuquerque, NM in a sealed cooler via UPS before designated holding times expire. Proper chain-of-custody procedures are followed with logs documenting the date and time sampled, sample number, type of sample, sampler's name, preservative used, analyses required and sampler's signatures.

For groundwater monitoring wells, depth to groundwater and total depth of wells is measured with a Keck oil/water interface probe prior to sampling. Presence of any free-phase crude oil is also investigated using the interface probe. The interface probe is decontaminated with Alconox™ soap and rinsed with de-ionized water before each measurement. The volume of water in the wells is calculated, and a minimum of three casing volumes of water is purged from each well using a disposable bailer or a permanent decontaminated PVC bailer. As water is extracted, pH, electric conductivity and temperature are monitored. Wells are purged until these properties stabilize or the well bails dry, indicating that the purge water is representative of aquifer conditions. Stabilization is defined as three consecutive stable readings for each water property (±0.4 units for pH, ±10 percent for electric conductivity and ±2° C for temperature). Once each monitoring well is properly purged, groundwater samples are collected in bottles or vials and shipped to the laboratory as described above. The method for sampling recovery

wells is similar, the difference being that pumps installed within the wells are used to purge groundwater.

Table 1: 2008 Sampling and Monitoring Schedule for the former Giant Bloomfield Refinery (as specified in the Discharge Plan)

LOCATION	Jan 2008	Feb 2008	Mar 2008	Apr 2008	May 2008	Jun 2008	July 2008	Aug 2008	Sept 2008	Oct 2008	Nov 2008	Dec 2008
System Influent	VOC GWC			VOC GWC			VOC GWC			VOC# GWC		
System Effluent	VOC GWC Metals PAH			VOC GWC			VOC GWC			VOC# GWC		
GRW-3	VOC GWC PAH											
GRW-6	VOC GWC PAH											
GBR-17	VOC GWC PAH											
GBR-24D	VOC GWC PAH											
GBR-30	VOC GWC PAH											
GBR-31	VOC GWC PAH											
GBR-32	VOC GWC Metals											
GBR-48	VOC GWC Metals											
GBR-49	VOC GWC Metals											
GBR-50	VOC GWC Metals											
GBR-51	VOC GWC											
GBR-52	VOC GWC											
SHS-1	VOC GWC			VOC GWC			VOC GWC			VOC† GWC		

LOCATION	Jan 2008	Feb 2008	Mar 2008	Apr 2008	May 2008	Jun 2008	July 2008	Aug 2008	Sept 2008	Oct 2008	Nov 2008	Dec 2008
SHS-2	VOC GWC			VOC GWC			VOC GWC			VOC† GWC		
SHS-5	VOC GWC			VOC GWC			VOC GWC			VOC† GWC		
SHS-8	VOC GWC			VOC GWC			VOC GWC			VOC† GWC		
SHS-9	VOC GWC			VOC GWC			VOC GWC			VOC† GWC		
SHS-18	VOC GWC			VOC GWC			VOC GWC			VOC† GWC		
SHS-19	VOC GWC			VOC GWC			VOC GWC			VOC† GWC		

VOCs refers to volatile organic carbon analyzed by USEPA Method 601/602 or 8260B. In the past, EPA method 601/602 was used to determine concentrations of aromatic and chlorinated carbons. The method is outdated and was replaced in 2008 with EPA method 8260 to analyze for volatile organic compounds.
GWC refers to groundwater characteristics: TDS, alkalinity, electric conductivity, pH, cation/anion balance, plus Fe & Mn.
PAH refers to polyaromatic hydrocarbons analyzed by USEPA Method 8310
Metals refers to RCRA 8 Metals
#Influent and Effluent were not sampled in October because the remediation system was shut down for evaluation.
†USEPA Method 8021B was used for analysis of volatile organic carbons in October 2008. GWC were not analyzed.

System Repairs

During 2008, the remedial system was shut down so that groundwater could be sampled under static conditions. Western used the down time to inspect all equipment and make necessary repairs. Recovery pumps were removed and cleaned. Of the 15 pumps, six required maintenance and four were replaced. Flow meters used to monitor groundwater recovery volumes were cleaned and replaced as necessary. Damaged plumbing and electrical feeds were also repaired. Additionally, the carbon adsorption tank was cleaned out and the sock filters were changed.

Results

Annual Water and Product Levels

Groundwater monitoring wells have been installed throughout the on-site and off-site areas to monitor groundwater quality and flow direction (Figure 2). Water and product levels in each well are determined quarterly. These data are presented in Appendix B and are utilized to prepare the potentiometric surface maps shown in Figures 5-8. The maps are useful in determining direction of groundwater flow and effectiveness of hydraulic control achieved by the recovery well system.

The maps for January and April show groundwater behavior under pumping conditions; July and October maps show static conditions. The pumping system was shut down from July through the rest of the year. The rate of groundwater flow is, on average, 0.019 ft/ft

in a southwest direction, and is consistent throughout the year. Some draw-down around recovery wells is evident when the remediation system is pumping water.

Free-phase product was observed in wells from the on-site area. During January, April and July, a thin accumulation of free-phase product was measured in wells in the north-central portion of the on-site study area, east of Tank 102 (Figures 9-12). In October a similar accumulation was present, and an additional two wells in the southeastern portion of the on-site area contained measureable free-phase product (Figure 12). The appearance of product in wells GBR-7, GBR-20 and GBR-41 in October 2008 occurred after the pumping system had been shut down for three months and corresponds with a drop in water levels. There was a 5.56' drop at GBR-7, a 3.16' drop at GBR-20 and a 0.74' drop at GBR-41. These wells are located around the infiltration gallery.

The amount of free-phase product removed from wells is shown in Table 2. The amounts are estimations based on saturation of oil absorbent socks when they are replaced. The total amount of product removed from the groundwater is also shown. Insufficient records exist to calculate a cumulative amount of product removed since remediation began.

Table 2: Estimated Volumes of Free-Phase Product Removed from Monitoring Wells during 2008

Well #	Volume Removed (Ounces)				
	Jan	Apr	July	Oct	Total
GBR-22	0.1328	0.1328	0.1328		0.3984
GBR-25		0.1063	0.0996		0.2059
GBR-23			0.0664		0.0664
Total Volume Removed (gallons):					**0.6707**

Groundwater Sampling Results

Lab results obtained from groundwater sampling at the former refinery during 2008 are presented in Appendix C. Laboratory reports are included in Appendix D. Toxic pollutants, as defined by New Mexico Water Quality Control Commission (NMWQCC) standards, are absent from influent and effluent water and most of the groundwater sampled from monitoring wells. Detected concentrations are shown in bold face in Appendix C, and concentrations over NMWQCC standards are printed in red. The standards are listed in the table for reference. The following list summarizes laboratory detection of COCs:

- During annual sampling in January 2008, benzene was present in GBR-24D at levels above NMWQCC standards. Benzene was also present in GBR-49, but only at a level of 2.5 µg/L.
- In July 2008, when sampling was conducted under static conditions, benzene concentrations were detected in nineteen wells, but only five wells contained concentrations above NMWQCC standards (GBR-10, GBR-11, GBR-24S, GBR-34 and GBR-35).
- Small concentrations of 1,2 dichloroethane (EDC) were identified in wells in the on-site study area during the July 2008 sampling event. None of the wells contained concentrations above NMWQCC standards.
- Small amounts of poly-aromatic hydrocarbons were identified in the annual sample collected from GBR-24D (Appendix C).
- Sulfate and total dissolved solids (TDS) were over NMWQCC standards in groundwater from most wells. Chloride concentrations were above standards in eleven wells sampled in July. Similar results for these constituents have been reported from groundwater samples collected in the past, and high concentrations are observed throughout the entire study area, including within wells located up-gradient of the refinery (GBR-32, GBR-48, GBR-49, GBR-50).
- Several metals were detected in the effluent sample and within samples collected up-gradient of the refinery (Appendix C). Most of the metal concentrations were below NMWQCC standards; however, chromium levels are above standards in samples from GBR-32, GBR-48 and GBR-49. The NMWQCC standard for chromium is 0.05 mg/L. These three wells are located within the arroyo adjacent to the refinery and are up-gradient wells. They characterize an area affected by the former landfill.
- Several wells from the off-site study area have not shown detectable amounts of BTEX for four quarters and are on progress for closure. The following table shows BTEX results from four consecutive quarters:

Table 3: Quarterly Sampling of Off-Site Groundwater Monitoring Wells

Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
SHS-1 (4 clean quarters)				
01/08	ND	ND	ND	ND
04/08	ND	ND	0.7	ND
07/08	ND	ND	0.7	ND
10/08	ND	ND	ND	ND

Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
SHS-2 (4 clean quarters)				
01/08	ND	ND	ND	ND
04/08	ND	ND	0.4	ND
07/08	ND	ND	ND	ND
10/08	ND	ND	ND	ND
SHS-5 (4 clean quarters)				
01/08	ND	ND	ND	ND
04/08	ND	ND	ND	ND
07/08	ND	ND	ND	ND
10/08	ND	ND	ND	ND
SHS-8 (4 clean quarters)				
01/08	ND	ND	ND	ND
04/08	2.7	ND	6.6	ND
07/08	2.2	ND	2.8	ND
10/08	ND	ND	ND	ND
SHS-9 (4 clean quarters)				
01/08	ND	ND	ND	ND
04/08	ND	ND	0.7	ND
07/08	ND	ND	2.9	ND
10/08	ND	ND	5.4	3.3
SHS-18 (4 clean quarters)				
01/08	ND	ND	ND	ND
04/08	ND	ND	ND	ND
07/08	ND	ND	ND	ND
10/08	ND	ND	ND	ND

Date Sampled	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)
SHS-19 (4 clean quarters)				
01/08	ND	ND	ND	ND
04/08	ND	ND	ND	ND
07/08	ND	ND	ND	ND
10/08	ND	ND	ND	ND
NMWQCC Standard	**10**	**750**	**750**	**620**

Distribution of COCs

The discussion of groundwater conditions is based primarily on the July 2008 sampling data, because it is more comprehensive. Reference is made to isopach maps and cross sections presented as Figures 13-21. It should be noted that semi-annual isopach maps and cross sections are not included, because the regularly scheduled quarterly sampling events do not sample wells from the current problem areas. Such a presentation of results would not be indicative of true conditions at the site.

GBR-10 and GBR-11 define an area of concern in the southern portion of the on-site area, while GBR-24S, GBR-34, GBR-35 and GBR-41 represent an area of dissolved phase contamination in the northern on-site area (Figure 13). Benzene is the primary COC, and concentrations are shown in Figure 14. Strike and dip cross sections showing product levels and BTEX levels across the two areas of concern are shown in Figure 15. BTEX concentrations are plotted on the lithologic logs at the top of groundwater elevation. SHS-1, SHS-8 and SHS-9 delineate a small zone of elevated BTEX concentrations located in the off-site study area. These concentrations are below NMWQCC standards (Figure 13).

BTEX concentrations in the northern on-site area correlate to presence of free-phase product near Tank 102, and later in GBR-41. GBR-11 represents the center of the second area of concern within the on-site study area.

An additional petroleum hydrocarbon constituent, 1,2 dichloroethane (EDC), was identified in eight wells near Tank 102 (Figure 16). There is historical documentation of EDC presence in groundwater sampled at the refinery (*Soil and Groundwater*

Investigations and Remedial Action Plan, Giant Industries, Inc. Bloomfield Refinery). EDC is a common gasoline additive.

Eleven wells contained chloride concentrations above NMWQCC concentrations during July 2008. An isopach map for chloride concentrations is shown in Figure 17. Additionally, chloride concentrations are plotted on strike and dip cross sections in Figure 18. Higher concentrations of chloride appear in three areas of the study area, including one area up-gradient of the refinery and another area far down-gradient. Previous investigations at the landfill reported elevated levels of chloride present in water sampled from liquid waste lagoons (McQuillan, D. and Longmire, P. *Water Quality Investigations at the Lee Acres Landfill and Vicinity, San Juan County, New Mexico)*, and the landfill accepted produced water from natural gas well operations in the San Juan Basin.

All of the groundwater wells, except for SHS-8, contained high levels of TDS (Figure 19). Values ranged from 980 to 4500 mg/L. Elevated sulfate concentrations were also common (Figure 20), and 28 of 61 wells contained groundwater with sulfate concentrations above NMWQCC standards. A review of historical annual monitoring reports indicates groundwater sampled at the site generally contained high concentrations of these analytes. Sulfate and TDS were among the contaminants listed as being related to a release at the former landfill. During initial landfill investigations, the up-gradient area within the arroyo near GBR-32, GBR-48, GBR-49 and GBR-50 was identified as the "northern containment slug." Groundwater representative of this area contained TDS concentrations ranging from 2125-6068 mg/kg, sulfate concentrations ranging from 1920-5830 mg/kg and chloride concentrations ranging from 14.7-2110 mg/kg (Roy F. Weston, Inc., *Remedial Investigation Report for Lee Acres Landfill, Volume 1).*

Chromium concentrations were detected in up-gradient wells during the annual sampling in January 2008 (Figure 21; it should be noted that no other samples collected within the on-site or off-site study areas were analyzed for chromium). Chromium was also detected in the remediation system effluent. Previous studies conducted for the Lee Acres Landfill identified chromium in groundwater sampled up-gradient of the landfill. *Remedial Investigation Report for Lee Acres Landfill, Volume 1* states that the up-gradient background alluvial aquifer contains elevated levels of chromium and suggests an unidentified source that is unrelated to the landfill or the refinery.

Total Volume History

Table 4 presents the volume of groundwater managed for the year. Total volume pumped from each well, current tank volumes and the re-injection volume is reported. It should be noted that the recovery wells pumped water only during the months of January through July during 2008. For the latter half of the year, the system was undergoing evaluation.

Table 4: Recovery Well Volume Tabulation 2008

Well #	Total Volume Pumped (Gallons)
GRW-1	5,891
GRW-2	586,678
GRW-3	161,431
GRW-4	332
GRW-5	310,409
GRW-6	157,008
GRW-9	25,554
GRW-10	543,426
GRW-11	132,039
GRW-12	10,476
GRW-13	16,895
SHS-9	0
SHS-14	52,562
SHS-18	0
SHS-19	23,545
Total Volume Pumped in Gallons:	**2,026,246**

Conclusions

Groundwater impacted by operations at the Former Bloomfield Refinery is contained within the on-site study area and is characterized by a thin accumulation of free-phase product and elevated BTEX concentrations. Free-phase product is evident in two areas, one near Tank 102 and another near the infiltration gallery. Presence of free-phase product near Tank 102 appears to be constant. Presence and thickness of free-phase product near the infiltration gallery is controlled by the pumping and discharging of groundwater on the site, as well as groundwater level fluctuations. Elevated BTEX concentrations are restricted to three localized areas, two of which are related to the presence of free-phase product described above. The third area is centered on groundwater monitoring well GBR-11.

Groundwater from the off-site area has exhibited no to very low concentrations of BTEX for some time. During 2008, groundwater monitoring wells SHS-1, -2, -5, -8, -9 -18, and -19 were sampled for four consecutive quarters, and BTEX concentrations were non-detect, or beneath NMWQCC concentrations each quarter. The off-site recovery wells (SHS-9, SHS-14, SHS-18, SHS-19) have successfully remediated the area south of Highway 64.

High sulfate, chloride and TDS concentrations are historically characteristic of almost all wells in each study area and are related to a release at the Lee Acres Landfill in 1985. These COCs were identified in earlier studies as constituents within the groundwater contaminant plume that originated from the landfill. They are currently evident in up-gradient, as well as down-gradient monitoring well samples. Local variability on site is likely related to various sized screening intervals used in well construction.

Chromium concentrations are elevated in three wells located within the arroyo and up-gradient of the refinery. A trace amount is also evident in a sample of the treatment system effluent. Chromium was identified in wells associated with the landfill investigation; particularly in up-gradient background wells. Chromium concentrations have been attributed to an unknown source up-gradient of the landfill.

Additional sampling parameters (cations, anions, general chemistry, metals and PAHs) have shown consistently low or normal values for many years in almost all groundwater monitoring conducted at the refinery. Continued analysis of these constituents is unnecessary, except in well GBR-24D.

Recommendations

- Discontinue pumping at off-site recovery wells SHS-9, SHS-14, SHS-18, SHS-19.
- Submit a closure request to the NMOCD to remove wells SHS-1, SHS-2, SHS-5, SHS-9, SHS-18 and SHS-19 from the sampling schedule, but continue to monitor their water levels quarterly. Continue to collect groundwater samples from SHS-8 on an annual basis and analyze the samples for BTEX constituents to ensure contaminants are not migrating beneath the highway to the off-site property.
- Eliminate laboratory analysis of groundwater samples for sulfate, chloride, TDS and chromium, since these constituents are sourced up-gradient of the refinery.
- Eliminate laboratory analysis of groundwater samples for COCs that are not and have not been present above standards for years:
    - Discontinue analysis of anions, cations, general chemistry, metals and PAHs in all monitoring and recovery wells, except GBR-24D;
    - Discontinue analysis of anions, cations and general chemistry in GBR-24D, but continue to analyze for PAHs.
- Finalize evaluation of the remediation system and enact changes as necessary to address free-phase product and elevated BTEX levels identified on the on-site property.

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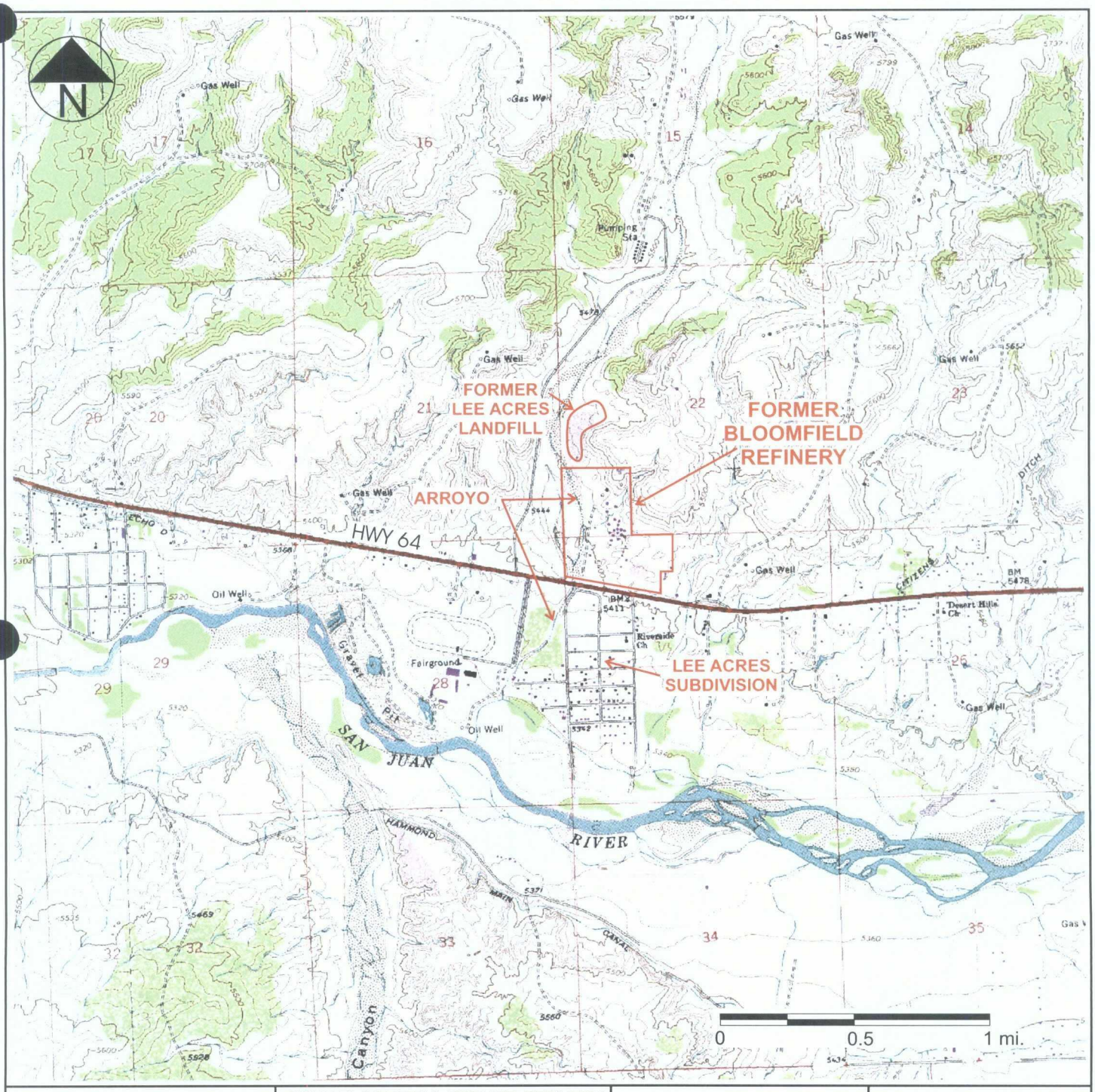
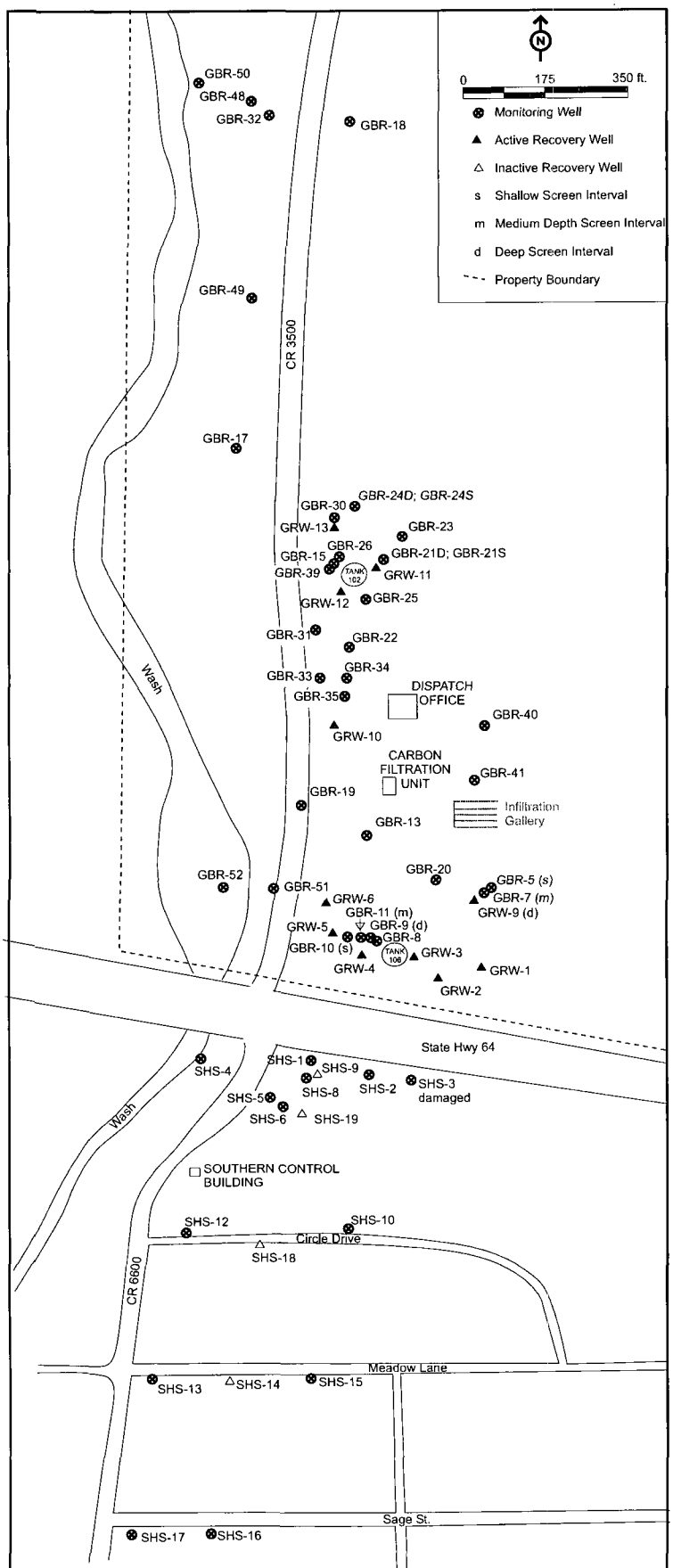
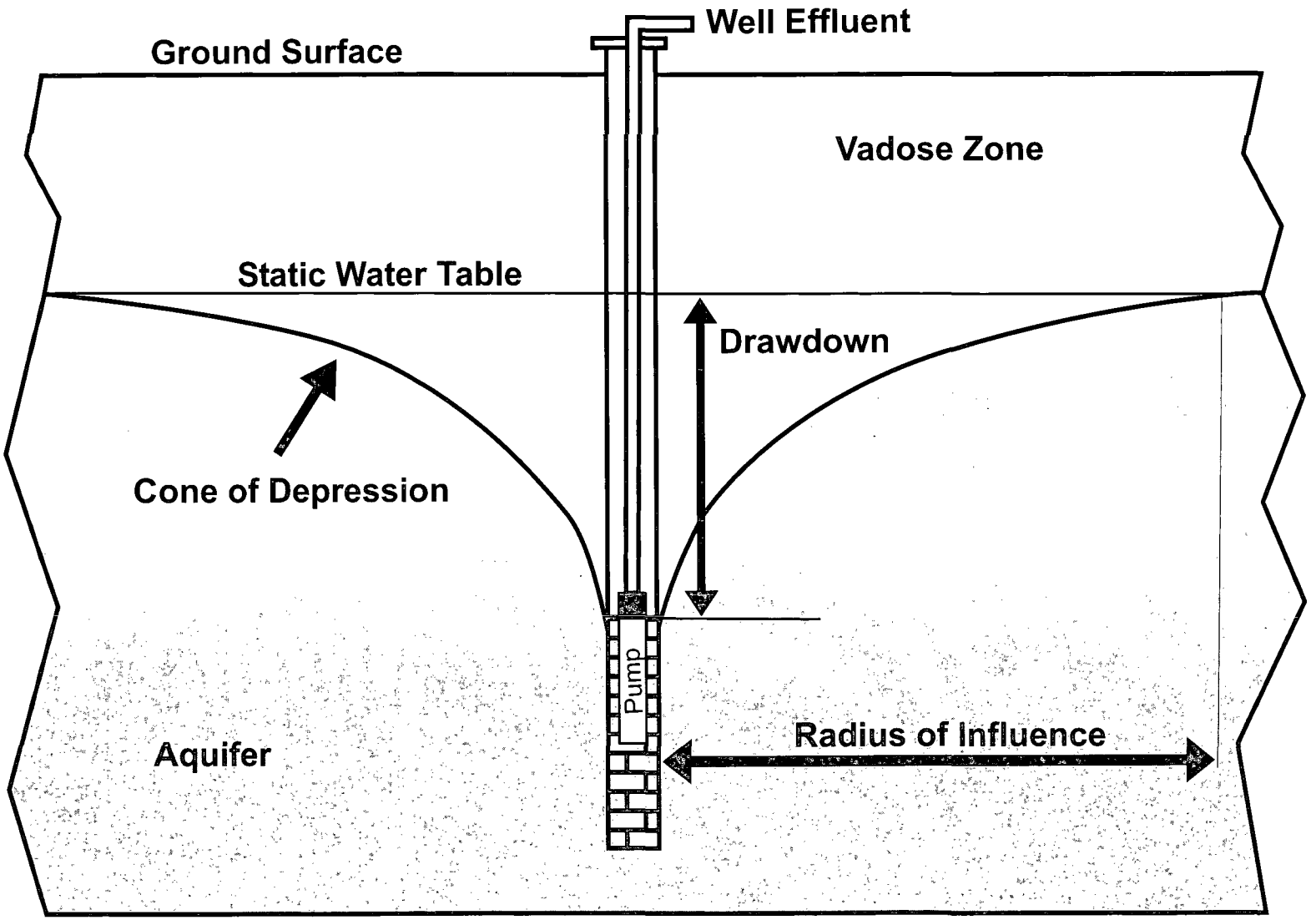


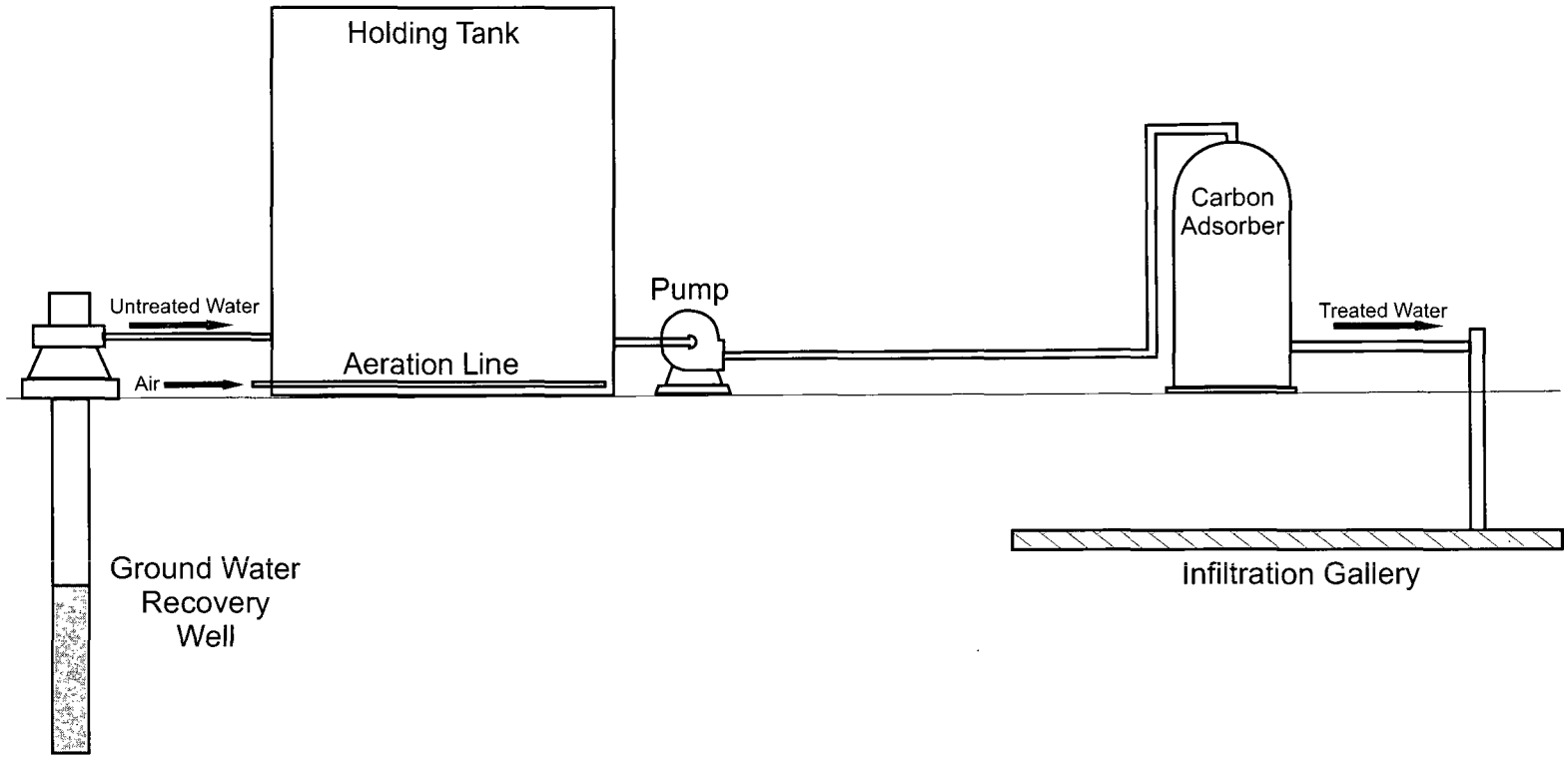
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY SAN JUAN COUNTY, NEW MEXICO TOPOGRAPHIC MAP (USGS 1:100,000 Scale Horn Canyon, New Mexico Topographic Map)	PROJECT: FORMER REFINERY ANNUAL REPORT DRAWN BY: ALA REVISED: 03/16/09	FIGURE 1



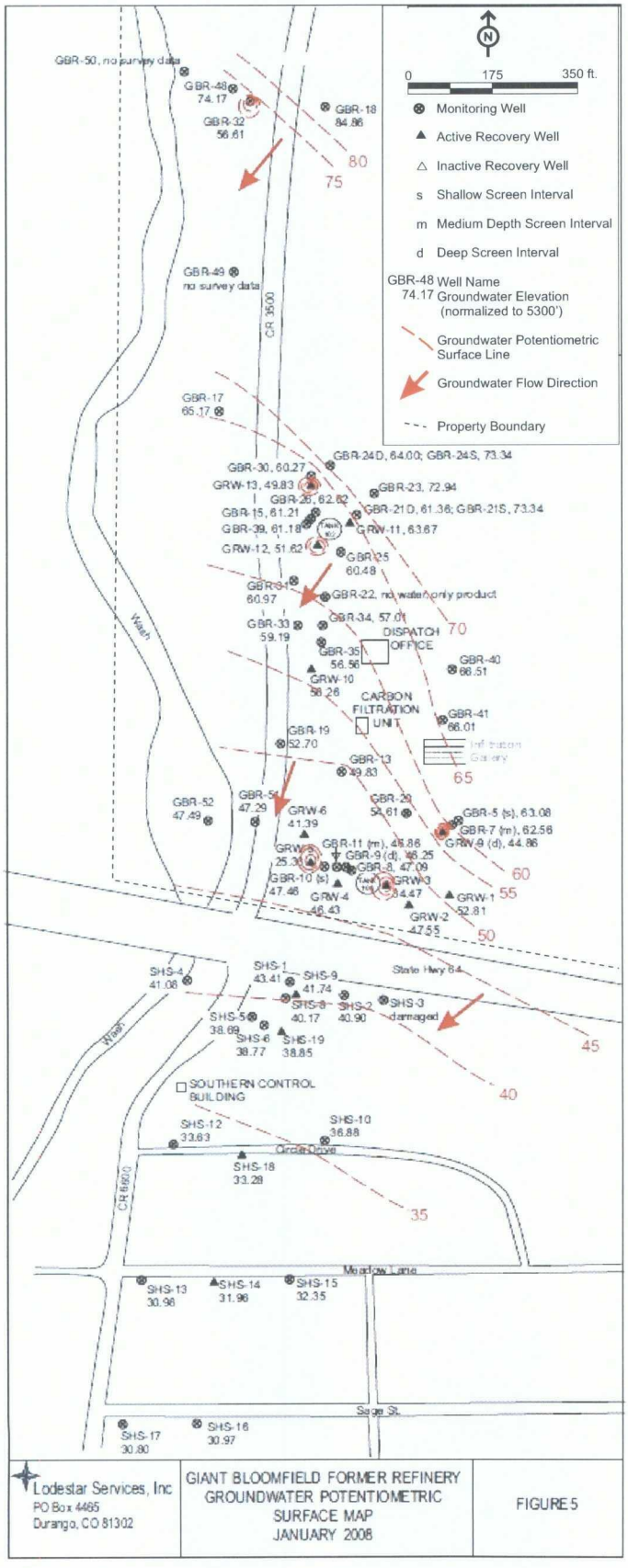
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY SAN JUAN COUNTY, NEW MEXICO SITE MAP MARCH 2009	FIGURE 2



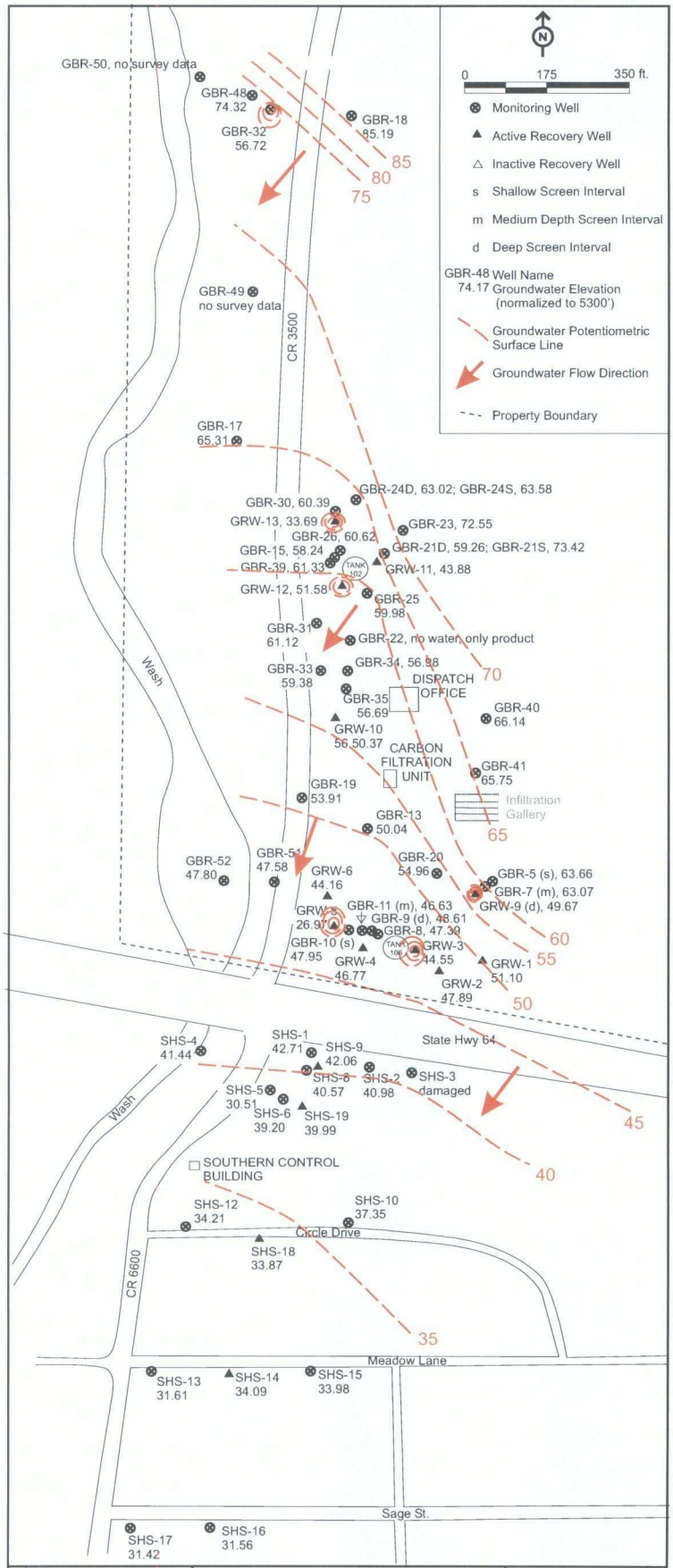
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	EFFECT OF PUMPING ON AN AQUIFER	PROJECT: FORMER REFINERY ANNUAL REPORT DRAWN BY: ALA REVISED: 03/17/09	FIGURE 3



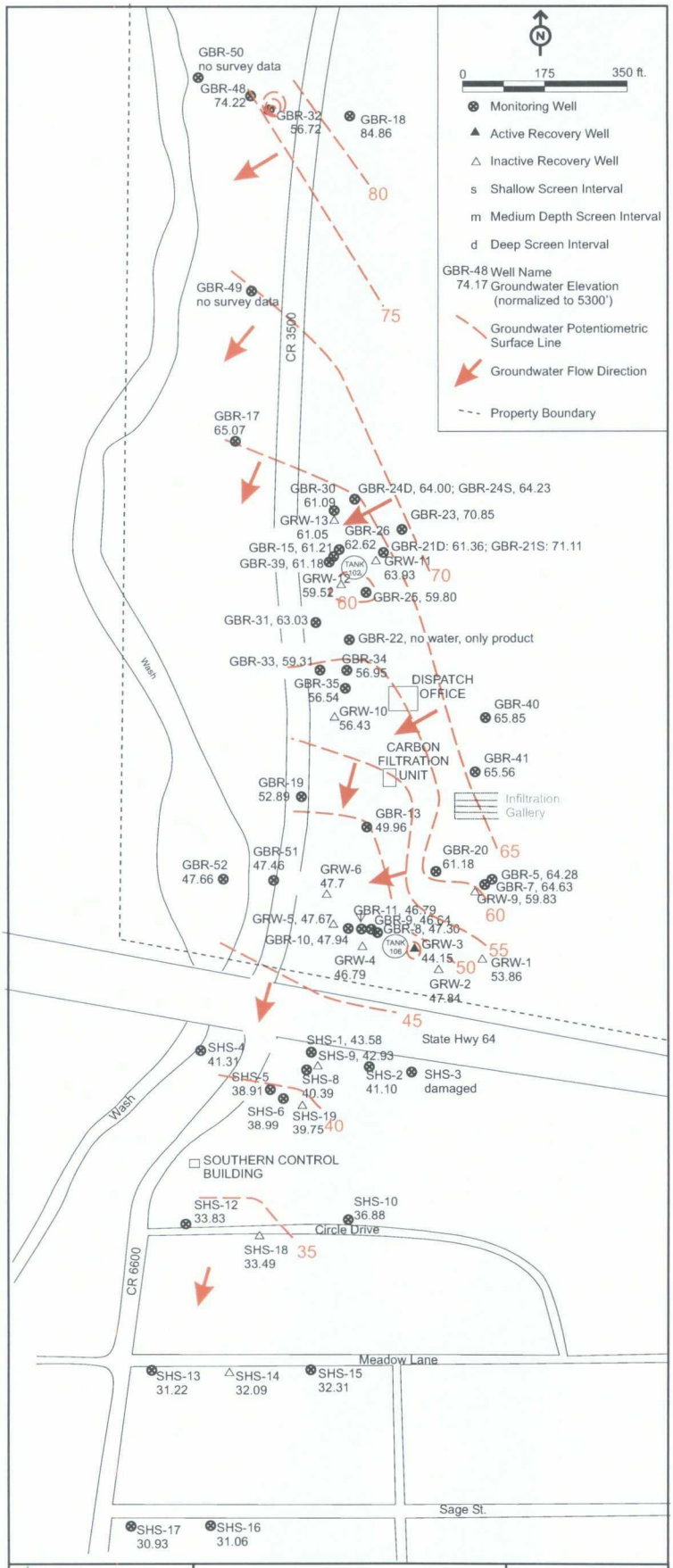
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	SIMPLIFIED REPRESENTATION OF THE GROUNDWATER RECOVERY, TREATMENT AND DISPOSAL SYSTEM	PROJECT: FORMER REFINERY ANNUAL REPORT DRAWN BY: ALA REVISED: 03/17/09	FIGURE 4



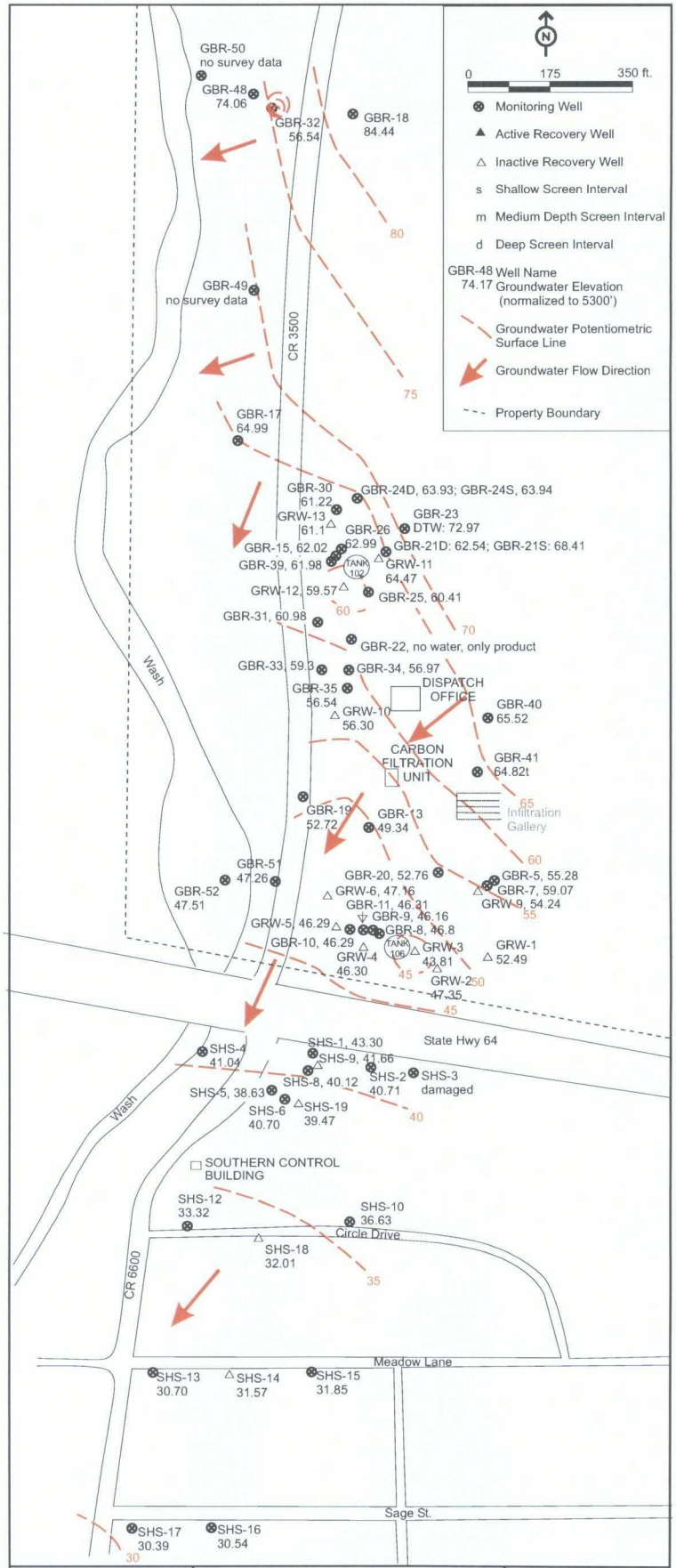
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY GROUNDWATER POTENTIOMETRIC SURFACE MAP JANUARY 2008	FIGURE 5



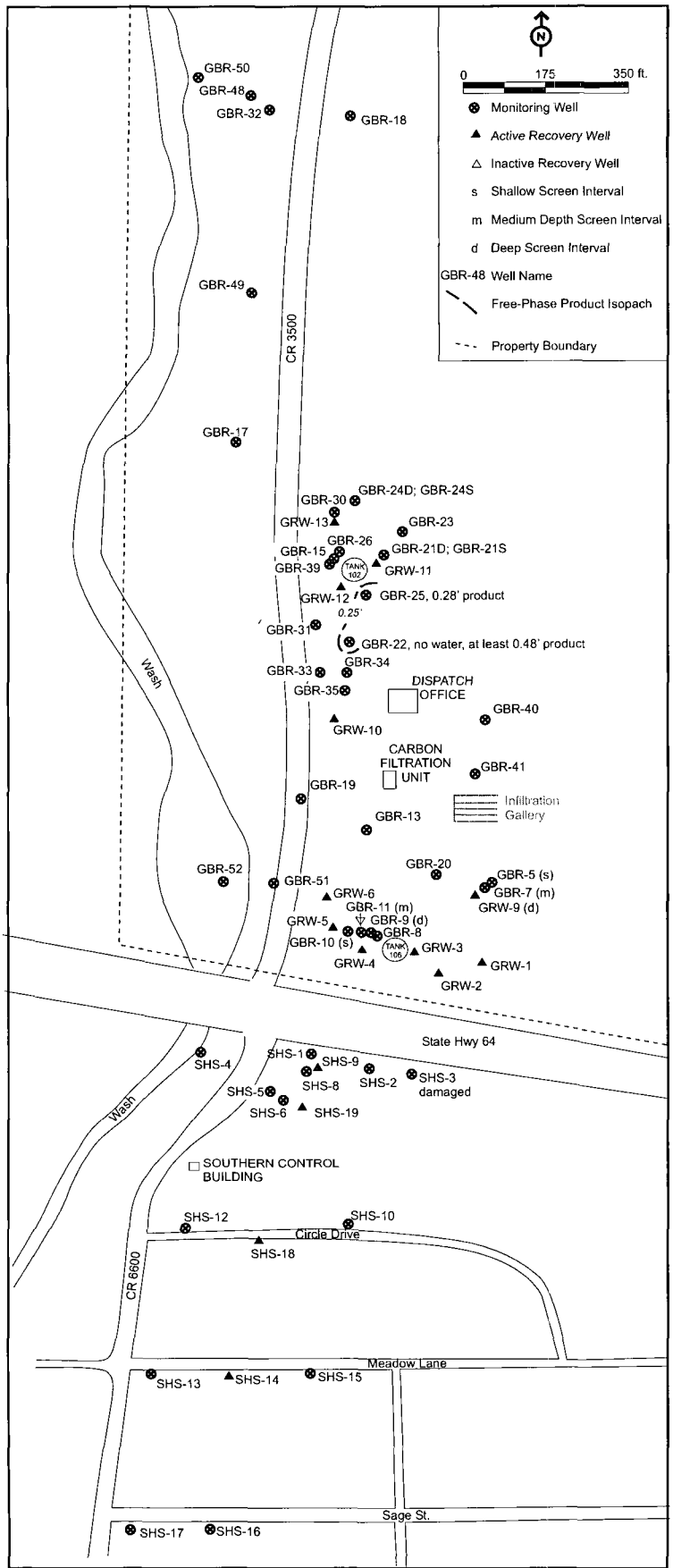
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY *GROUNDWATER POTENTIOMETRIC SURFACE MAP* APRIL 2008	FIGURE 6



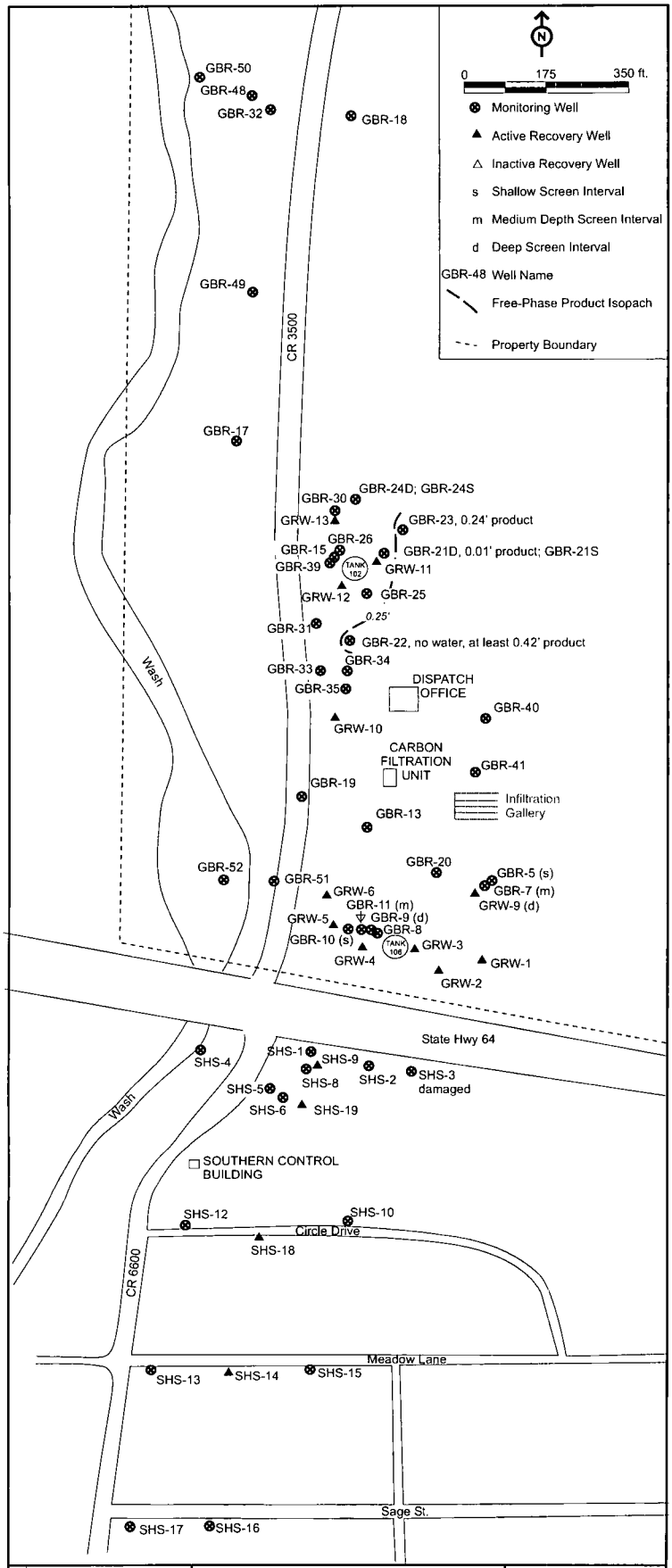
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY GROUNDWATER POTENTIOMETRIC SURFACE MAP JULY 2008	FIGURE 7



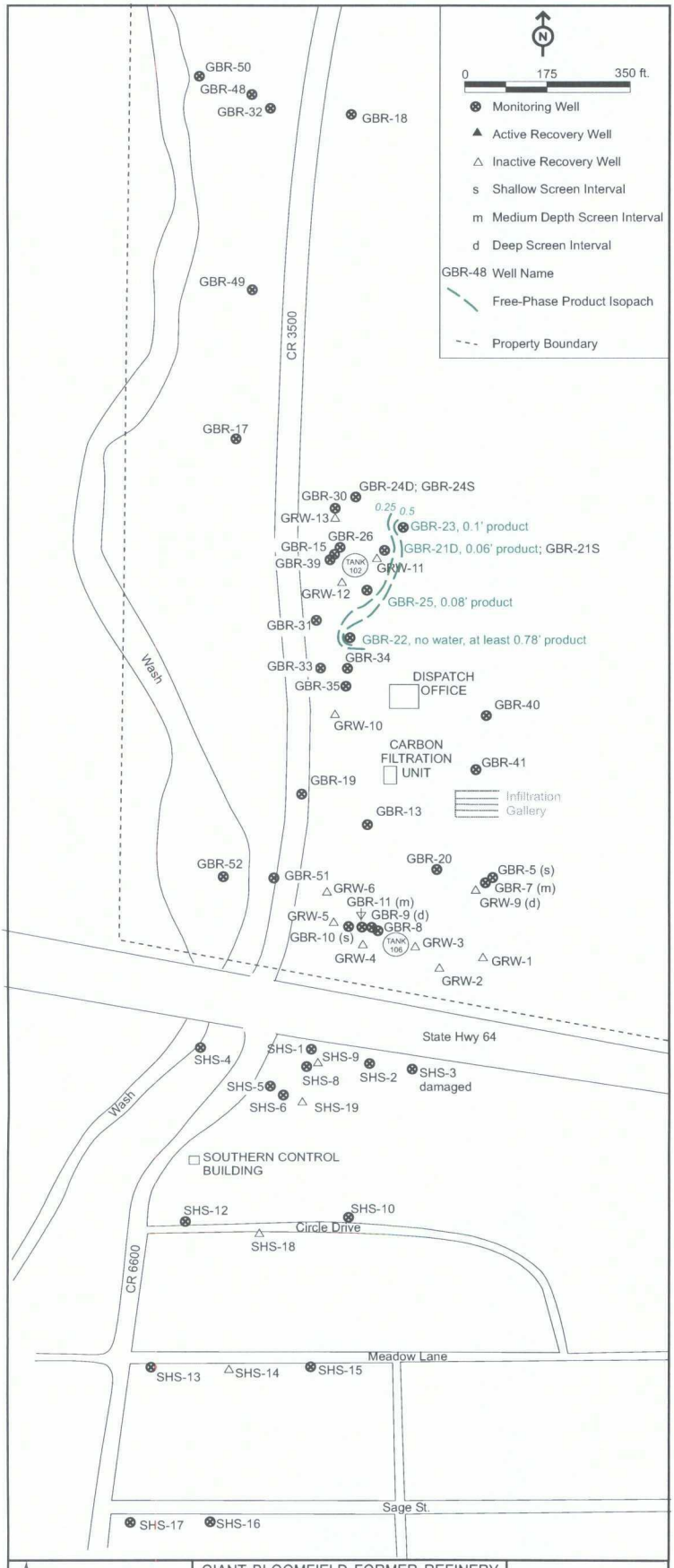
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY GROUNDWATER POTENTIOMETRIC SURFACE MAP OCTOBER 2008	FIGURE 8



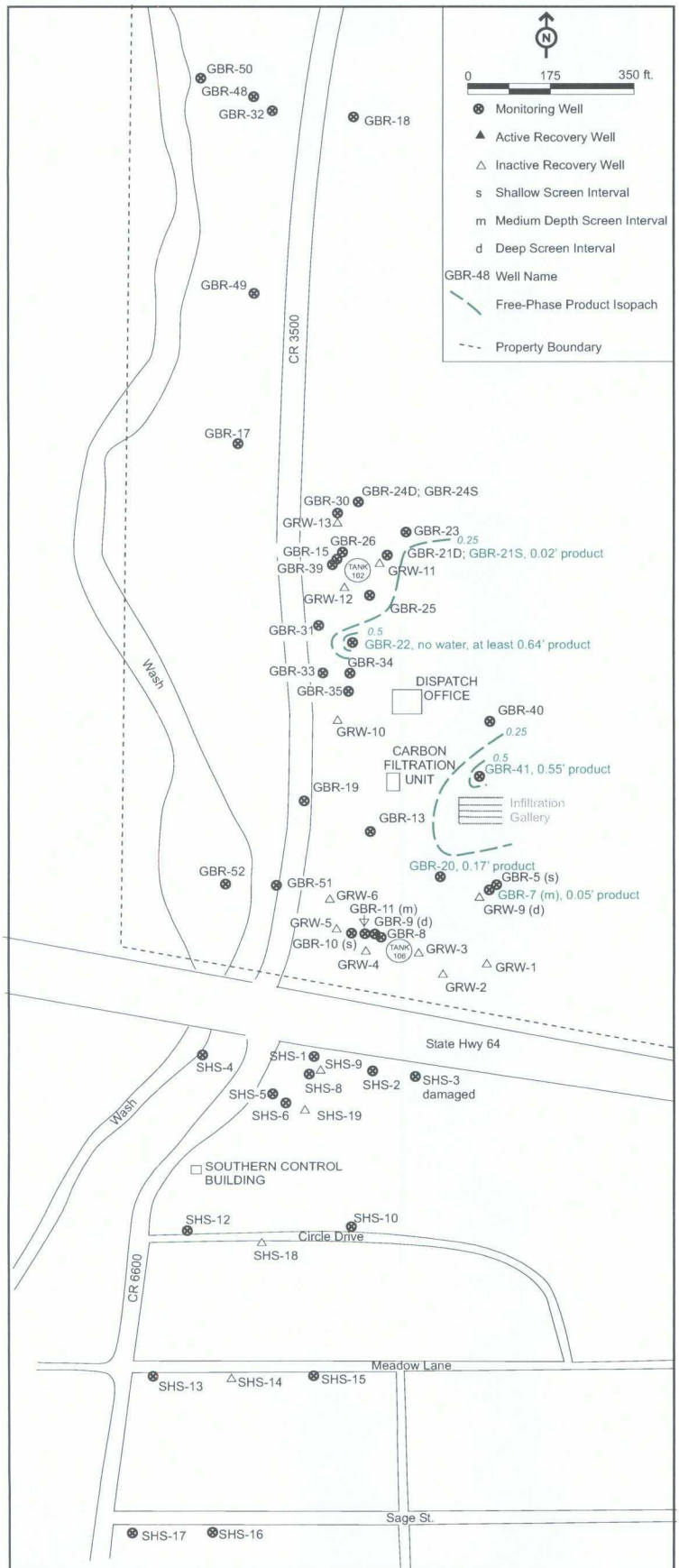
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY SAN JUAN COUNTY, NEW MEXICO FREE-PHASE PRODUCT ISOPACH MAP JANUARY 2008	FIGURE 9



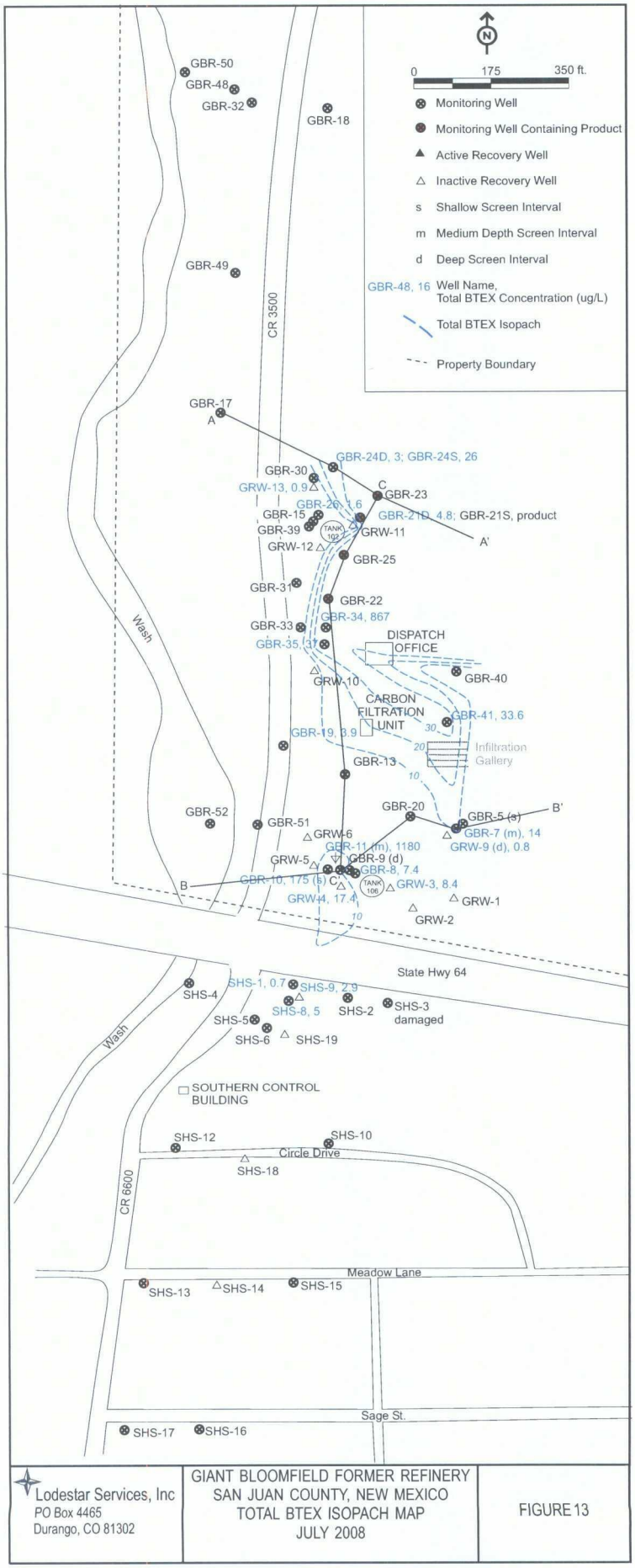
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY SAN JUAN COUNTY, NEW MEXICO FREE-PHASE PRODUCT ISOPACH MAP APRIL 2008	FIGURE 10



Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY SAN JUAN COUNTY, NEW MEXICO FREE-PHASE PRODUCT ISOPACH MAP JULY 2008	FIGURE 11



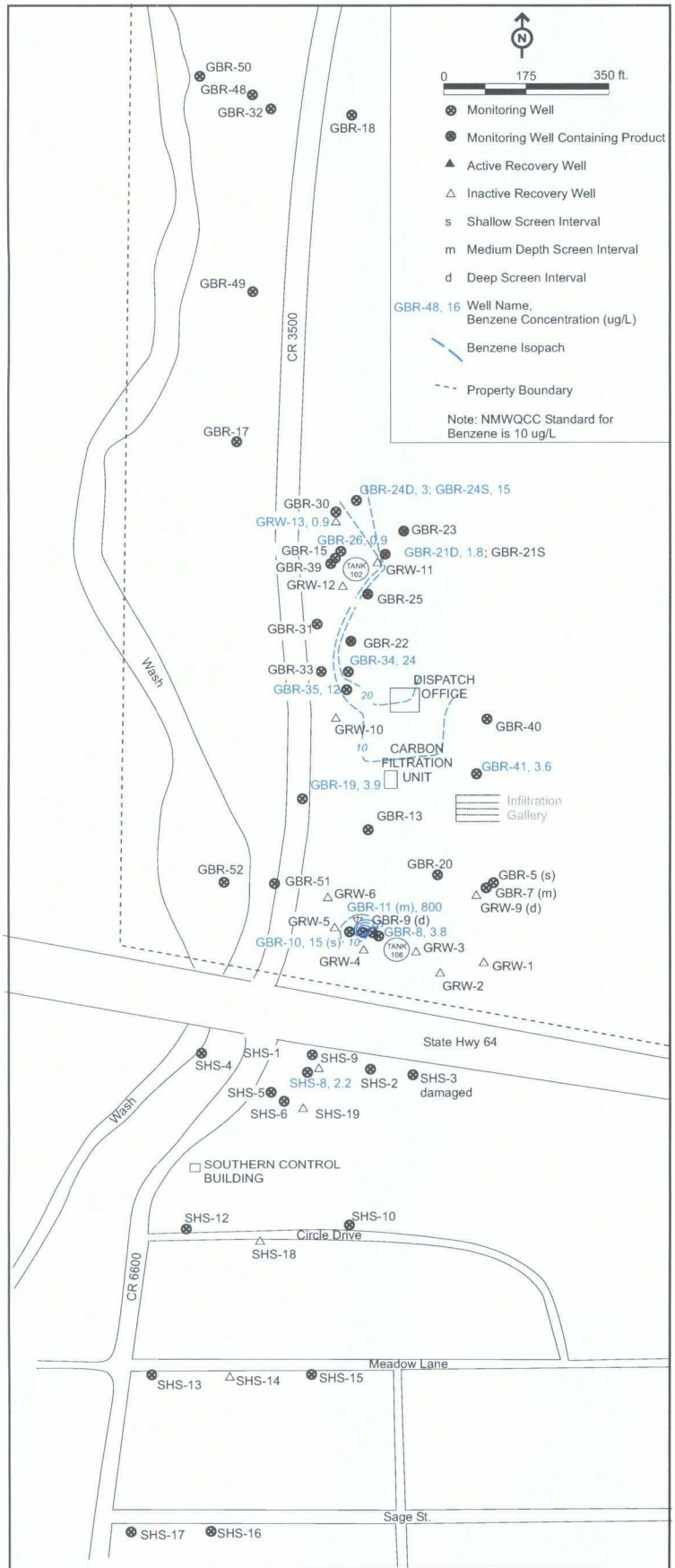
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY SAN JUAN COUNTY, NEW MEXICO FREE-PHASE PRODUCT ISOPACH MAP OCTOBER 2008	FIGURE 12



Lodestar Services, Inc
PO Box 4465
Durango, CO 81302

GIANT BLOOMFIELD FORMER REFINERY
SAN JUAN COUNTY, NEW MEXICO
TOTAL BTEX ISOPACH MAP
JULY 2008

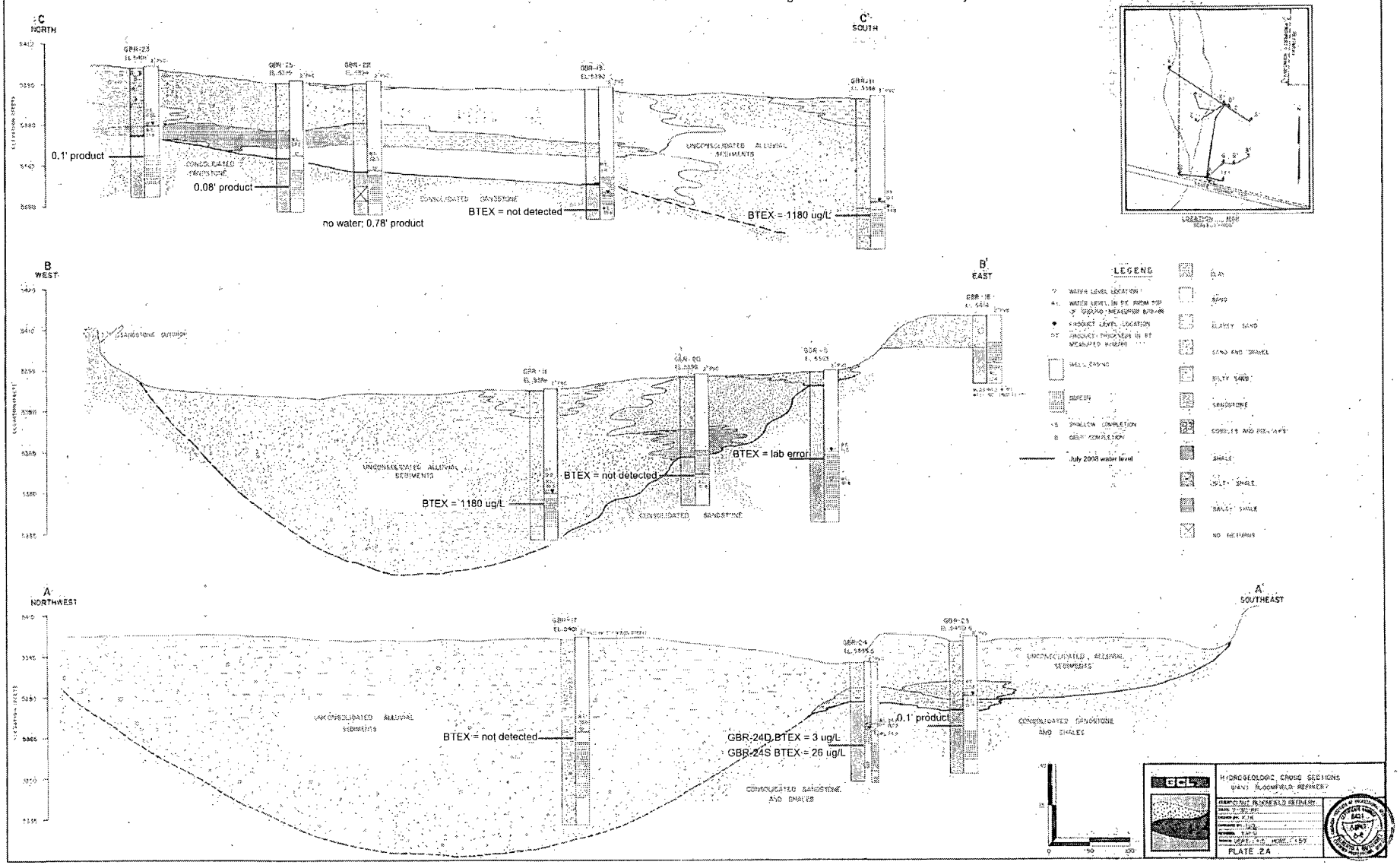
FIGURE 13

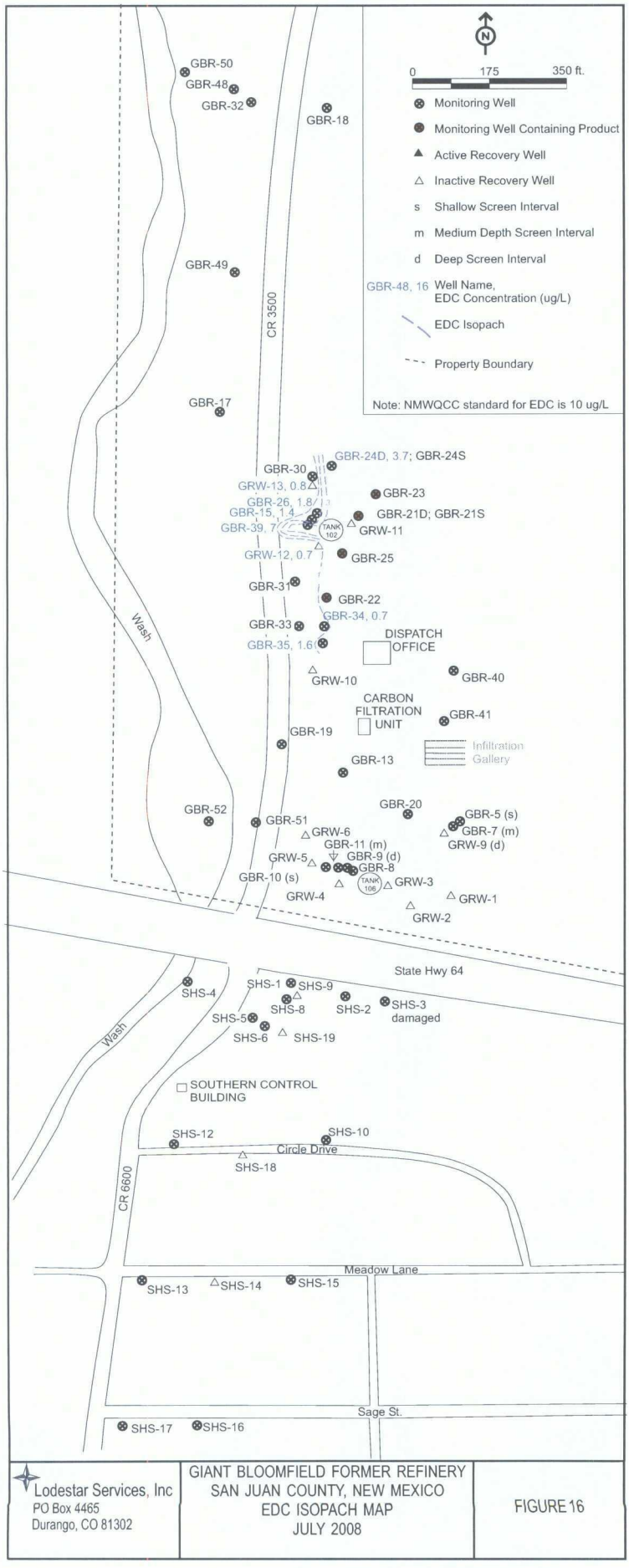


Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY SAN JUAN COUNTY, NEW MEXICO BENZENE ISOPACH MAP JULY 2008	FIGURE 14

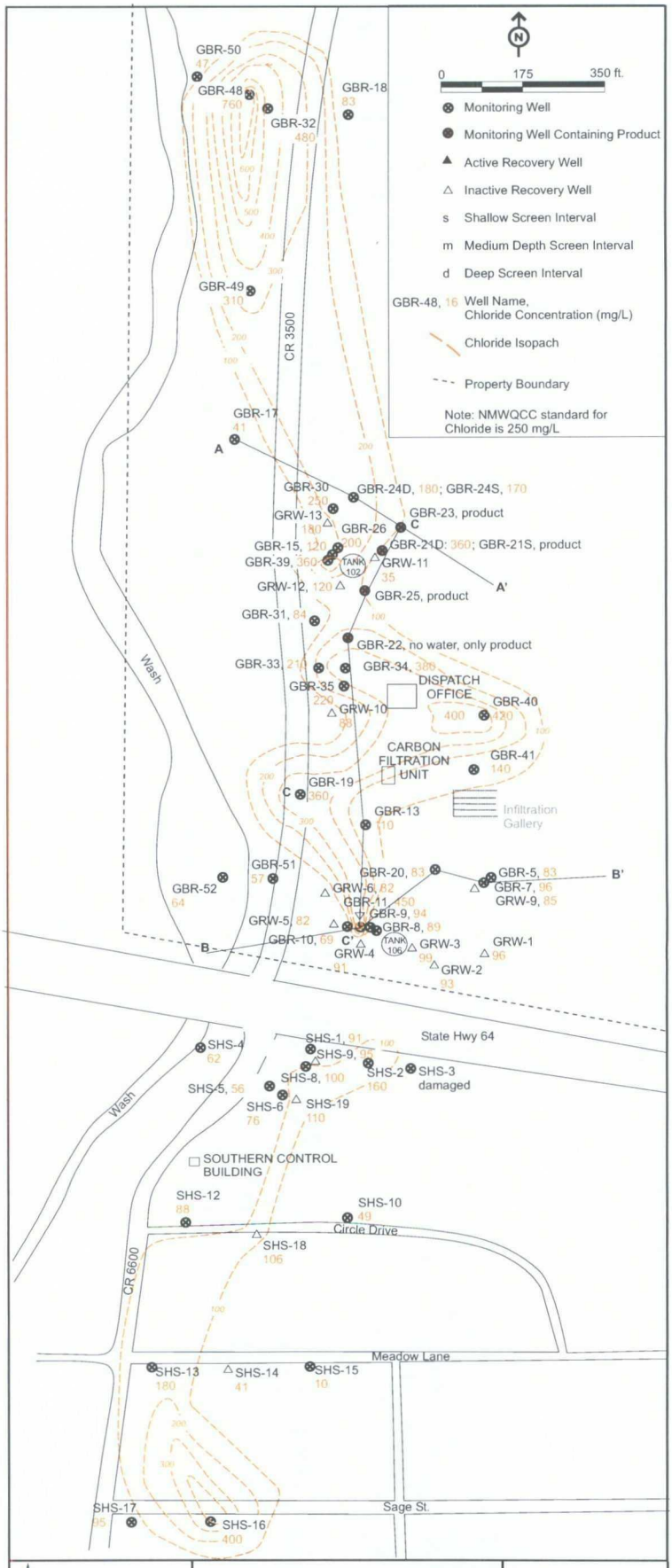
Figure 15

Cross Sections Showing BTEX Concentrations in July 2008



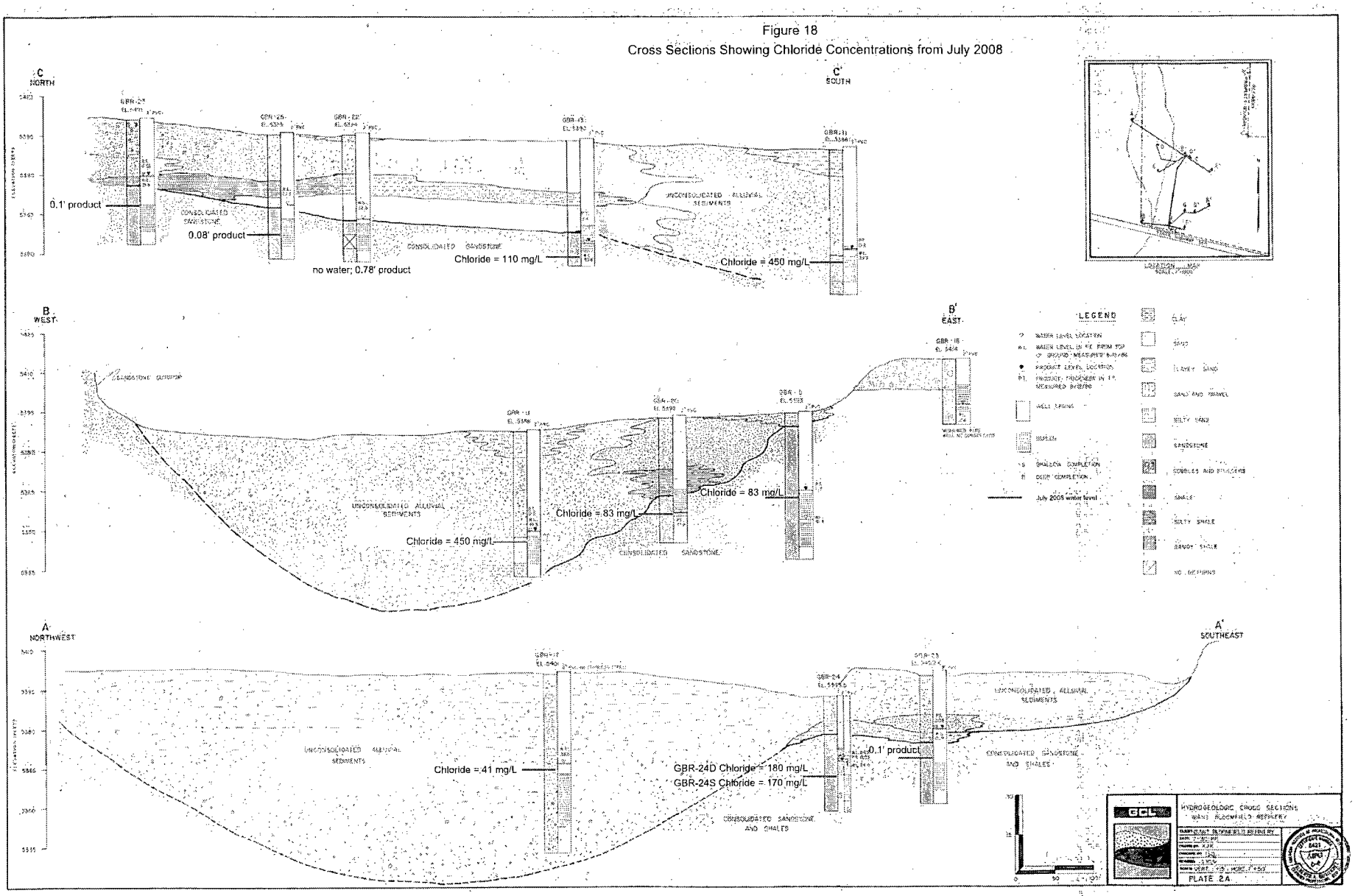


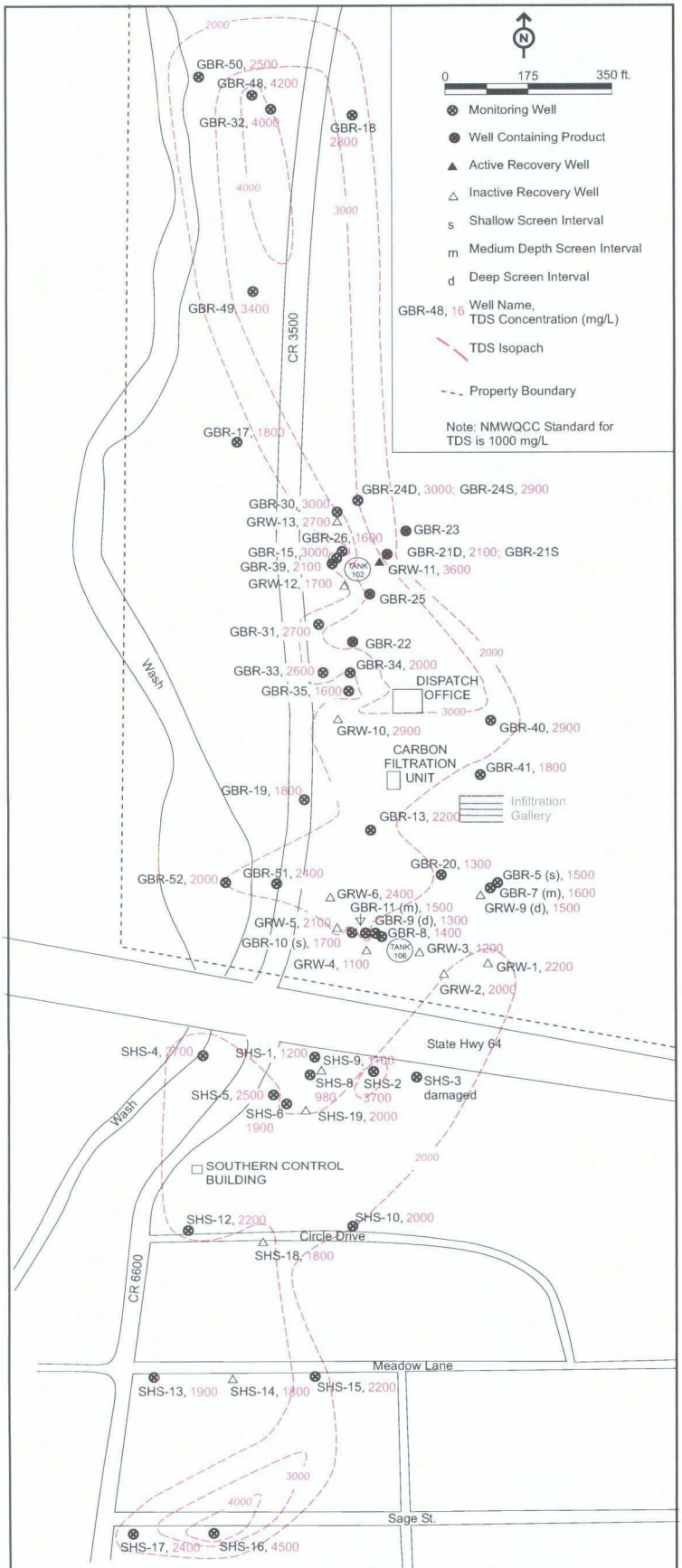
Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY SAN JUAN COUNTY, NEW MEXICO EDC ISOPACH MAP JULY 2008	FIGURE 16



Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY CHLORIDE ISOPACH MAP JULY 2008	FIGURE 17

Figure 18
Cross Sections Showing Chloride Concentrations from July 2008

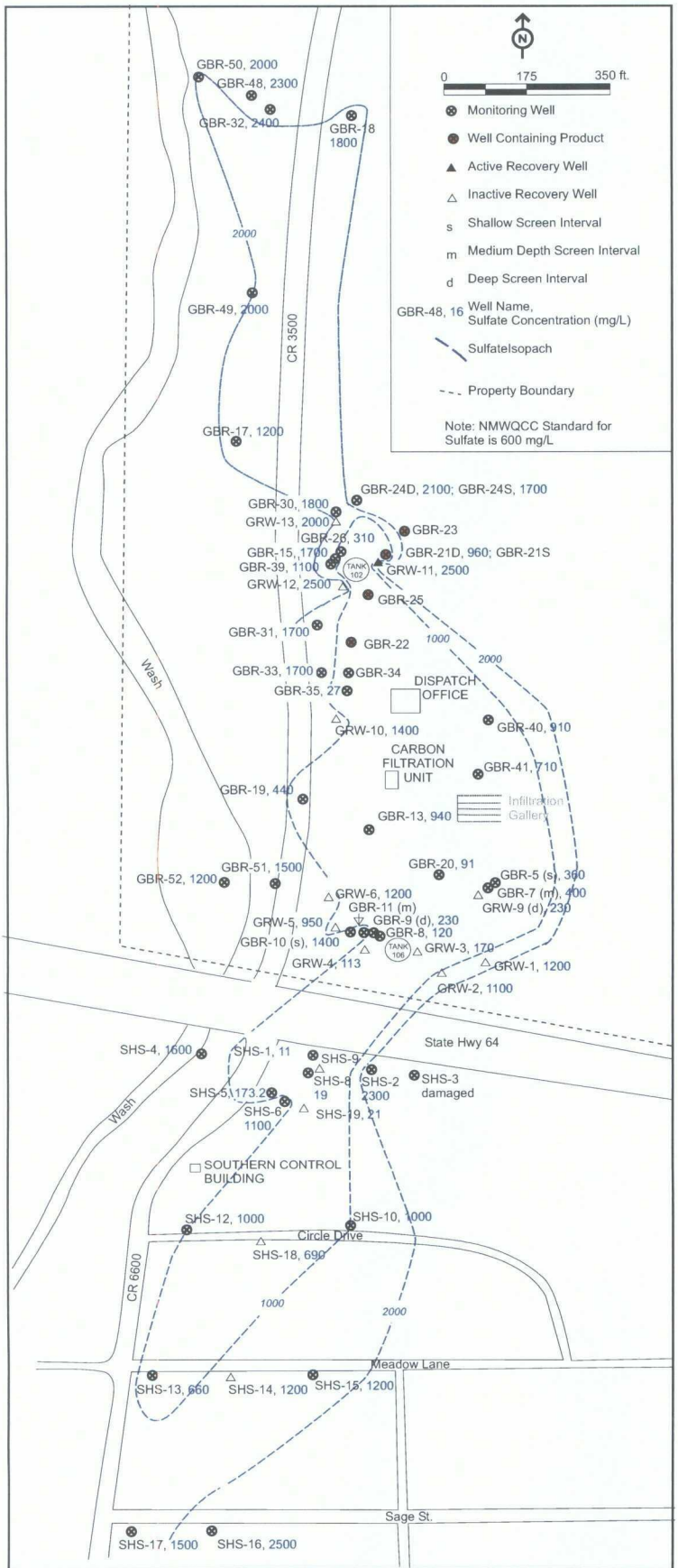




Lodestar Services, Inc
PO Box 4465
Durango, CO 81302

GIANT BLOOMFIELD FORMER REFINERY
SAN JUAN COUNTY, NEW MEXICO
TDS ISOPACH MAP
JULY 2008

FIGURE 19



Lodestar Services, Inc PO Box 4465 Durango, CO 81302	GIANT BLOOMFIELD FORMER REFINERY SAN JUAN COUNTY, NEW MEXICO SULFATE ISOPACH MAP JULY 2008	FIGURE 20

Appendix A

Modifications to the Sampling Schedule

In 2005, Giant Industries (now Western) requested approval from the NMOCD to change the sampling schedule for groundwater wells located downgradient of the refinery. The proposed changes were based on historical results from sampling conducted at the site and are detailed in the letter dated March 13, 2005. Giant intended to plug and abandon nine groundwater monitoring wells and one groundwater recovery well and initiate closure sampling on additional monitoring wells. The following wells were to be abandoned:

Type of Well	Identification	Years of Monitoring Beneath Standards
Monitoring	SHS-3	7
Monitoring	SHS-4	8
Monitoring	SHS-6	8
Monitoring	SHS-10	8
Monitoring	SHS-12	8
Monitoring	SHS-13	8
Recovery	SHS-14	3
Monitoring	SHS-15	8
Monitoring	SHS-16	8
Monitoring	SHS-17	7

The proposal suggested quarterly sampling at wells SHS-9, SHS-18 and SHS-19 until the analytical results from four consecutive quarters fell beneath New Mexico Water Quality Control Commission (NMWQCC) standards, at which time those wells could be abandoned. Wells SHS-1, SHS-2, SHS-5 and SHS-8 had not previously been included on the sampling schedule. Giant proposed annual sampling at these wells until laboratory analyses indicated the groundwater was beneath NMWQCC standards, at which time quarterly sampling should begin and closure pursued.

The NMOCD did not formally responded to this proposal. Subsequently, Giant submitted a revised sample schedule in Discharge Plan GW040 in 2006 and an amended Discharge Plan GW040 in 2007 to remove the wells listed above from the sampling matrix and discontinue pumping well SHS-14 based on the number of clean reporting quarters.

The revised sampling schedule was instituted in October of 2006. The wells listed above for abandonment, which have not yet been abandoned, were last sampled in the first quarter of 2006. Quarterly sampling of groundwater from SHS-9, SHS-18 and SHS-19 began in November 2007 and in SHS-1, SHS-2, SHS-5 and SHS-8 beginning in January

of 2008. The 2007 amended Discharge Plan GW040 and, consequently, the amended sampling schedule, was approved on February 5, 2008.

Appendix B

Quarterly Water and Product Level Data

Analytical Results January 2008

Analyte	Standard	Unit	Well Number																			
			Influent	Effluent	GRW-3	GRW-6	GBR-17	GBR-24D	GBR-30	GBR-31	GBR-32	GBR-48	GBR-49	GBR-50	GBR-51	GBR-52	SHS-1	SHS-2	SHS-5	SHS-8	SHS-9	SHS-18	SHS-19
Method 601/602																							
methyl-t-butyl ether		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L	ND	ND	ND	ND	ND	59	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
toluene	750	ug/L	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	750	ug/L	ND	ND	ND	ND	ND	7.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
total xylenes	620	ug/L	ND	ND	ND	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL BTEX		ug/L	ND	ND	ND	ND	ND	71.8	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	ND
1,1-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	60	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloroporpene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,4-trichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	2.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Anions																							
chloride	250	mg/L	82	87.7	94.3	64.5	43.8	102	212	79.4	104	144	99.7	46.5	60.8	ND	94.2	100	62.8	186	101	98.6	94.3
sulfate	600	mg/L	920	1090	453	957	843	1600	1290	1360	1750	698	1720	1380	1270	1330	69.5	2200	1200	77.9	73.6	401	453
Cations																							
calcium		mg/L	264	232	351	257	288	501	433	407	454	167	441	326	372	29.4	82.3	465	405	105	159	166	144
potassium		mg/L	3.13	2.51	4.66	2.79	1.72	7	4.69	3.59	4.28	3.89	4.34	2.56	1.59	54.5	2.29	7.93	4.03	5.55	3	2.70	1.37
magnesium		mg/L	25.1	22.3	19	24.8	23.2	68.7	40.3	34.6	49.5	17.8	38.6	25	29	5.96	17.9	118	33.6	15.6	38.6	19.6	22.3
sodium		mg/L	466	408	589	451	249	501	411	436	665	266	508	320	298	1200	383	505	312	310	399	424	404
copper	1.0	mg/L		0.004							0.189	0.02	0.019	0.016									
zinc	10	mg/L		0.021							0.279	0.02	0.56	0.25									
General Chemistry																							
pH	6-9	S.U.	7.4	7.3	7.4	7.2	7.3	7.1	6.9	7.2	7.4	7.6	6.3	7.2	7.4	7.3	7.3	6.9	7.3	6.6	7.3	7.4	7.4
specific conductance		umhos/cm	3240	3430	4110	3190	2560	4560	3880	3650	5510	2230	4430	3420	3160	3400	1950	4760	3010	1970	2290	2530	2640
total dissolved solids	1000	mg/L	2470	2430	3210	2180	1910	3660	3010	2890	4270	1460	3460	2830	2460	2740	1170	4090	2530	1070	1370	1570	1630
hardness		mg/L	763	578	955	744	732	1530	1250	1160	1340	490	1260	916	1050	97.9	251	1480	1030	295	556	445	451
total alkalinity		mg/L	510	494	290	613	215	568	263	261	359	279	211	224	222	236	1010	389	251	693	224	904	840
bicarbonate alkalinity		mg/L	509	492	290	611	215	568	262	261	357	272	211	224	221	235	1010	389	251	693	224	903	838
carbonate alkalinity		mg/L	ND	1.64	ND	1.48	ND	ND	ND	ND	2.52	ND	ND	ND	ND	ND	1.8	ND	ND	ND	ND	1.24	1.99
hydroxide alkalinity		mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Other Metals																							
antimony		mg/L		ND							ND	ND	0.002	0.002									
arsenic	0.1	mg/L		0.002							0.006	ND	0.005	0.002									
beryllium		mg/L		ND							ND	ND	ND	ND									
cadmium	0.01	mg/L		ND							0.002	ND	0.001	0.006									
chromium	0.05	mg/L		0.003							0.189	1.32	0.217	0.011									
lead	0.05	mg/L		ND							0.003	0.005	0.002	0.009									
nickel	0.2	mg/L		0.014							0.123	0.08	0.158	0.018									
selenium	0.05	mg/L		0.008							0.04	0.04	0.013	0.009									
silver	0.05	mg/L		ND							ND	ND	ND	ND									
thallium		mg/L		ND							ND	ND	ND	ND									
Mercury		mg/L		ND							ND	ND	ND	ND									
PAH																							
1-methyl-Naphthalene		ug/L		ND	ND	ND	ND	1.98	ND	ND													
2-methyl-Naphthalene		ug/L		ND	ND	ND	ND	1.08	ND	ND													
Acenaphthane		ug/L		ND	ND	ND	ND	0.51	ND	ND													
Acenaphthylene		ug/L		ND	ND	ND	ND	ND	ND	ND													
Anthracene		ug/L		ND	ND	ND	ND	ND	ND	ND													
Benzo(a)anthracene		ug/L		ND	ND	ND	ND	ND	ND	ND													
Benzo(a)pyrene		ug/L		ND	ND	ND	ND	ND	ND	ND													
Benzo(b)fluoranthene		ug/L		ND	ND	ND	ND	ND	ND	ND													
Benzo(g,h,i)perylene		ug/L		ND	ND	ND	ND	ND	ND	ND													
Benzo(k)fluoranthene		ug/L		ND	ND	ND	ND	ND	ND	ND													
Chrysene		ug/L		ND	ND	ND	ND	ND	ND	ND													
Dibenz(a,H)anthracene		ug/L		ND	ND	ND	ND	ND	ND	ND													
fluoranthene		ug/L		ND	ND	ND	ND	ND	ND	ND													
fluorene		ug/L		ND	ND	ND	ND	0.91	ND	ND													
indeno(1,2,3-cd)pyrene		ug/L		ND	ND	ND	ND	ND	ND	ND													
naphthalene		ug/L		ND	ND	ND	ND	ND	ND	ND													
phenanthrene		ug/L		ND	ND	ND	ND	0.47	ND	ND													
pyrene		ug/L		ND	ND	ND	ND	0.32	ND	ND													

Analytical Results April 2008

Analyte	Standard	Unit	Well Number								
			Influent	Effluent	SHS-1	SHS-2	SHS-5	SHS-8	SHS-9	SHS-18	SHS-19
Method 601/602											
methyl-t-butyl ether		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L	ND	ND	ND	ND	ND	**2.7**	ND	ND	ND
toluene	750	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	750	ug/L	ND	ND	**0.7**	**0.4**	ND	**6.6**	**0.7**	ND	ND
total xylenes	620	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL BTEX		ug/L	ND	ND	**0.7**	**0.4**	ND	**9.3**	**0.7**	ND	ND
chloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	100	ug/L	ND	ND	ND	ND	ND	ND	ND	**0.5**	ND
1,2-dichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	60	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloroporpene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene		ug/L	ND	ND	**1.3**	ND	ND	**0.8**	ND	ND	**0.9**
Anions											
chloride	250	mg/L	86	86	97	170	61	110	99	140	93
fluoride		mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
nitrate		mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
sulfate	600	mg/L	**1500**	**1400**	33	220	**1400**	22	51	**640**	31
carbonate		mg/L	0	1.3	5.3	ND	1.1	1	4.2	2.1	3.8
bi-carbonate		mg/L	410	400	1000	250	240	710	1000	820	1000
Cations											
calcium		mg/L	310	320	84	520	380	77	120	220	50
potassium		mg/L	5.1	5.1	7.1	9.4	10	5.7	6.1	7.5	1.1
magnesium		mg/L	27	29	21	110	35	12	31	28	14
sodium		mg/L	510	510	440	540	370	360	430	550	400
copper	1.0	mg/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND
iron	1.0	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
manganese	0.2	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
zinc	10	mg/L	0.08	ND	ND	ND	ND	ND	ND	ND	ND
General Chemistry											
pH	6-9	SU	7.3	7.4	7.4	6.4	7.3	7.1	7.4	7.2	7.4
specific conductance		umhos/cm	3600	3600	2000	4800	3200	1800	2100	3100	1900
total dissolved solids	1000	mg/L	**2900**	**2800**	**1200**	**3800**	**2400**	990	**1300**	**2000**	**1200**
hardness		mg/L	880	910	300	1600	1100	240	420	670	180
total alkalinity		mg/L	410	400	1000	250	240	710	1000	820	1000
bicarbonate alkalinity		mg/L	410	400	1000	250	240	710	1000	820	1000
carbonate alkalinity		mg/L	ND	1.3	5.3	ND	1.1	1	4.2	2.1	3.8
hydroxide alkalinity		mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analytical Results July 2008

Analyte	Standard	Unit	Well Number								
			Influent	Effluent	SHS-1	SHS-2	SHS-5	SHS-8	SHS-9	SHS-18	SHS-19
Method 601/602											
methyl-t-butyl ether		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L	ND	ND	ND	ND	ND	**2.2**	ND	ND	ND
toluene	750	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	750	ug/L	ND	ND	**0.7**	ND	ND	**2.8**	**2.9**	ND	ND
total xylenes	620	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL BTEX		ug/L	ND	ND	**0.7**	ND	ND	**5.0**	**2.9**	ND	ND
chloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	60	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloroporpene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
bromoform		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene		ug/L	ND	ND	**1.2**	ND	ND	**0.9**	ND	ND	ND
Anions											
chloride	250	mg/L	84	86	91	160	56	100	95	100	110
sulfate	600	mg/L	**1250**	**1253**	**11**	**2300**	**1500**	19	ND	**690**	21
Cations											
calcium		mg/L	293	248	75	510	350	64	84	790	190
potassium		mg/L	4.2	2.75	1.8	9.2	1.7	1.2	2.5	5.6	1.8
magnesium		mg/L	28	24	17	96	29	8.2	29	23	33
sodium		mg/L	468	502	410	480	320	320	400	460	460
General Chemistry											
pH	6-9	SU	7.3	7.3	7.09	6.26	7.23	6.71	7.16	7.22	7.12
specific conductance		umhos/cm	3280	3490	1900	4500	2900	1600	2100	2800	2800
total dissolved solids	1000	mg/L	**2500**	**2560**	**1200**	**3700**	**2500**	980	**1100**	**1800**	**2000**
total alkalinity		mg/L	468	521	1000	210	220	730	1100	760	600
bicarbonate alkalinity		mg/L	467	521	1000	210	220	730	1100	760	600
carbonate alkalinity		mg/L	ND	ND	2.2	ND	ND	ND	2.7	1.9	1.4
hydroxide alkalinity		mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND

Analytical Results October 2008

Analyte	Standard	Unit	Well Number								
			Influent	Effluent	SHS-1	SHS-2	SHS-5	SHS-8	SHS-9	SHS-18	SHS-19
Method 601/602											
methyl-t-butyl ether		ug/L			ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L			ND	ND	ND	ND	ND	ND	ND
toluene	750	ug/L			ND	ND	ND	ND	ND	ND	ND
ethylbenzene	750	ug/L			ND	ND	ND	ND	5.4	ND	ND
total xylenes	620	ug/L			ND	ND	ND	ND	3.3	ND	ND
TOTAL BTEX		ug/L			ND	ND	ND	ND	8.7	ND	ND
chloromethane		ug/L									
vinyl chloride	1	ug/L									
bromomethane		ug/L									
chloroethane		ug/L									
trichlorofluoromethane		ug/L									
1,1-dichloroethene		ug/L									
methylene chloride	100	ug/L									
trans-1,2-dichloroethene		ug/L									
1,1-dichloroethane	25	ug/L									
chloroform	100	ug/L									
1,2-dichloroethane	10	ug/L									
1,1,1-trichloroethane	60	ug/L									
carbon tetrachloride	10	ug/L									
1,2-dichloropropane		ug/L									
trichloroethene		ug/L									
bromodichloromethane		ug/L									
cis-1,3-dichloroporpene		ug/L									
trans-1,3-dichloropropene		ug/L									
1,1,2-trichloroethane	10	ug/L									
dibromochloromethane		ug/L									
1,2-dibromoethane		ug/L									
tetrachloroethene		ug/L									
chlorobenzene		ug/L									
bromoform		ug/L									
1,1,2,2-tetrachloroethane	10	ug/L									
1,3-dichlorobenzene		ug/L									
1,4-dichlorobenzene		ug/L									
1,2-dichlorobenzene		ug/L									
Anions											
chloride	250	mg/L									
sulfate	600	mg/L									
Cations											
calcium		mg/L									
potassium		mg/L									
magnesium		mg/L									
sodium		mg/L									
copper	1.0	mg/L									
zinc	10	mg/L									
General Chemistry											
pH	6-9	SU									
specific conductance		umhos/cm									
total dissolved solids	1000	mg/L									
hardness		mg/L									
total alkalinity		mg/L									
bicarbonate alkalinity		mg/L									
carbonate alkalinity		mg/L									
hydroxide alkalinity		mg/L									

Groundwater Remediation System Evalution Sampling Results July 2008

Analyte	Standard	Unit	Well Number GBR-05	GBR-07	GBR-08	GBR-09	GBR-10	GBR-11	GBR-13	GBR-15
[redacted]thod 601/602										
methyl-t-butyl ether		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L	Lab Error	ND	**3.8**	ND	**15**	**800 E**	ND	ND
toluene	750	ug/L	Lab Error	**3.0**	ND	ND	ND	ND	ND	ND
ethylbenzene	750	ug/L	Lab Error	**0.8**	**3.7**	ND	**160**	**380**	ND	ND
total xylenes	620	ug/L	Lab Error	**9.7**	ND	ND	ND	ND	ND	ND
TOTAL BTEX		ug/L	Lab Error	**14**	**7.5**	ND	**175**	**1180**	ND	ND
chloromethane		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	1	ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
bromomethane		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
chloroethane		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
methylene chloride	100	ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25	ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
chloroform	100	ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	10	ug/L	Lab Error	ND	ND	ND	ND	ND	ND	**1.4**
1,1,1-trichloroethane	60	ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	10	ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
trichloroethene		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloroporpene		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	10	ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
chlorobenzene		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
bromoform		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	10	ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
[redacted]-dichlorobenzene		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
[redacted]-dichlorobenzene		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene		ug/L	Lab Error	ND	ND	ND	ND	ND	ND	**0.8**
total alkalinity		mg/L	880	820	980	550	1600	520	740	330
bicarbonate alkalinity		mg/L	880	820	980	550	1500	520	740	330
carbonate alkalinity		mg/L	2	2.6	4	3.8	12	ND	1	ND
hydroxide alkalinity		mg/L	ND	ND	ND	ND	ND	ND	ND	ND
chloride	250	mg/L	83	96	89	94	69	450	110	120
sulfate	600	mg/L	360	400	120	230	19	ND	940	1700
pH		SU	7.39	7.5	7.24	8.04	7.82	6.5	7.07	7.11
specific conductance		umhos/cm	2400	2400	2200	2000	2900	2400	3100	4000
total dissolved solids	1000	mg/L	1500	1600	1400	1300	1700	1500	2200	3000
calcium		mg/L	120	140	94	44	28	100	240	380
hardness		mg/L	140	450	340	150	280	320	750	1100
magnesium		mg/L	26	24	24	11	52	18	38	31
potassium		mg/L	2.6	1.2	1.7	14	3.5	10	3.8	10
sodium		mg/L	430	440	430	480	670	400	470	560
cation-anion balance (% diff)		%	5	6.8	9	5	12.2	6.4	1.1	2.1
dissolved oxygen (mean)		mg/L	4.11	5.45		4.32				
ORP		mV	-296.28	-285.50		-180.75				

E=estimated value/exceeded calibration range

D20 = Reported from a 20X dilution

[redacted]

Groundwater Remediation System Evalution Sampling Results July 2008

Analyte	Standard	Unit	GBR-17	GBR-18	GBR-19	GBR-20	GBR-21D	GBR-24D	GBR-24S	GBR-26
[redacted]thod 601/602										
methyl-t-butyl ether		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L	ND	ND	**3.9**	ND	**1.8**	**3**	**15**	**0.9**
toluene	750	ug/L	ND	ND	ND	ND	**1.4**	ND	ND	ND
ethylbenzene	750	ug/L	ND	ND	ND	ND	**1.6**	ND	**6.2**	**0.7**
total xylenes	620	ug/L	ND	ND	ND	ND	ND	ND	**5**	ND
TOTAL BTEX		ug/L	ND	ND	**3.9**	ND	**4.8**	**3**	**26**	**1.6**
chloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	*100*	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	10	ug/L	ND	ND	ND	ND	**1**	**1.2**	**3.7**	**1.8**
1,1,1-trichloroethane	60	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloroporpene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromoform		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[redacted]-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[redacted]4-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
total alkalinity		mg/L	220	220	730	1100	430	220	550	830
bicarbonate alkalinity		mg/L	210	220	730	1100	430	220	540	820
carbonate alkalinity		mg/L	ND	ND	1.4	17	ND	ND	1.5	1.3
hydroxide alkalinity		mg/L	ND	ND	ND	ND	ND	ND	ND	ND
chloride	250	mg/L	41	83	360	83	360	180	170	200
sulfate	600	mg/L	1200	1800	440	91	960	2100	1700	310
pH		SU	7.25	7.18	7.13	7.5	7.1	7.19	7.21	694
specific conductance		umhos/cm	2500	3800	3000	2200	3700	4500	4200	2600
total dissolved solids	1000	mg/L	1800	2800	1800	1300	2100	3000	2900	1600
calcium		mg/L	300	370	220	84	260	450	370	200
hardness		mg/L	860	1000	690	310	790	1200	1100	600
magnesium		mg/L	24	26	32	25	34	45	47	27
potassium		mg/L	1.2	6.3	13	1.9	10	9.2	18	5
sodium		mg/L	270	500	440	450	570	620	620	380
cation-anion balance (% diff)		%	1.5	1.1	2.7	6.2	4.7	0.9	0.7	6
dissolved oxygen (mean)		mg/L		3.35		5.45				
ORP		mV		-120.63		-309.20				

E=estimated value/exceeded calibration range

D20 = Reported from a 20X dilution

Groundwater Remediation System Evalution Sampling Results July 2008

Analyte	Standard	Unit	GBR-30	GBR-31	GBR-32	GBR-33	GBR-34	GBR-35	GBR-39	GBR-40
[redacted]thod 601/602										
methyl-t-butyl ether		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L	ND	ND	ND	ND	**24**	**12**	ND	ND
toluene	750	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	750	ug/L	ND	ND	ND	ND	**310 D20**	**13**	ND	ND
total xylenes	620	ug/L	ND	ND	ND	ND	**470 D20**	**12**	ND	ND
TOTAL BTEX		ug/L	ND	ND	ND	ND	**63**	**37**	ND	ND
chloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	100	ug/L	ND	ND	**0.8**	ND	ND	ND	ND	ND
1,2-dichloroethane	10	ug/L	ND	ND	ND	ND	**0.7**	**1.6**	**7**	ND
1,1,1-trichloroethane	60	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene		ug/L	ND	ND	**0.7**	ND	ND	ND	ND	ND
bromodichloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloroporpene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene		ug/L	ND	**0.9**	**1.9**	**1.6**	ND	ND	ND	ND
chlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromoform		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[redacted]3-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[redacted]4-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
total alkalinity		mg/L	250	250	380	290	1300	1500	ND	910
bicarbonate alkalinity		mg/L	250	250	380	290	1300	1500	ND	910
carbonate alkalinity		mg/L	ND	ND	1.4	ND	1.8	2.4	ND	1.8
hydroxide alkalinity		mg/L	ND	ND	ND	ND	ND	ND	ND	ND
chloride	250	mg/L	250	84	480	210	380	220	360	420
sulfate	600	mg/L	1800	1700	2400	1700	ND	27	1100	910
pH		SU	7.01	7.16	7.36	7.17	7.03	7.01	5.86	7.22
specific conductance		umhos/cm	4100	3600	5800	4300	3500	2900	3000	4600
total dissolved solids	1000	mg/L	3000	2700	4000	2600	2000	1600	2100	2900
calcium		mg/L	490	380	540	370	210	190	250	250
hardness		mg/L	1200	1100	1600	1100	710	670	720	1200
magnesium		mg/L	43	33	54	36	48	45	23	130
potassium		mg/L	11	5.7	8	5.8	27	12	12	11
sodium		mg/L	490	430	810	560	690	480	350	620
cation-anion balance (% diff)		%	1	1.6	2.2	0.1	16.9	4.5	5	4.8
dissolved oxygen (mean)		mg/L								
ORP		mV								

E=estimated value/exceeded calibration range

D20 = Reported from a 20X dilution

Groundwater Remediation System Evalution Sampling Results July 2008

Analyte	Standard	Unit	GBR-41	GBR-48	GBR-49	GBR-50	GBR-51	GBR-52	GRW-01	GRW-02
[illegible]thod 601/602										
[illegible]methyl-t-butyl ether		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L	**3.6**	ND	ND	ND	ND	ND	ND	ND
toluene	750	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	750	ug/L	**18**	ND	ND	ND	ND	ND	ND	ND
total xylenes	620	ug/L	**12**	ND	ND	ND	ND	ND	ND	ND
TOTAL BTEX		ug/L	**33.6**	ND	ND	ND	ND	ND	ND	ND
chloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25	ug/L	ND	ND	**0.3**	ND	ND	ND	ND	ND
chloroform	100	ug/L	ND	**0.8**	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	60	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene		ug/L	ND	**0.4**	**0.9**	ND	ND	ND	ND	ND
bromodichloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloroporpene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene		ug/L	ND	**1.3**	**2.7**	ND	ND	ND	ND	ND
chlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromoform		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[illegible]-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[illegible]-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
total alkalinity		mg/L	550	340	220	210	220	210	670	680
bicarbonate alkalinity		mg/L	550	340	220	210	220	210	670	680
carbonate alkalinity		mg/L	ND	1	ND	ND	ND	ND	2	ND
hydroxide alkalinity		mg/L	ND	ND	ND	ND	ND	ND	ND	ND
chloride	250	mg/L	140	760	310	45	57	64	96	93
sulfate	600	mg/L	710	2300	2000	2000	1500	1700	1200	1100
pH		SU	6.62	7.3	6.51	7.2	7.22	7.34	7.28	6.81
specific conductance		umhos/cm	2600	6100	4700	3200	3100	3400	3100	3000
total dissolved solids	1000	mg/L	1800	4200	3400	2500	2400	2600	2200	2000
calcium		mg/L	170	640	500	370	350	470	240	190
hardness		mg/L	580	1900	1300	1000	1000	1300	750	660
magnesium		mg/L	40	61	46	29	29	35	34	42
potassium		mg/L	2.7	11	6.4	4.1	1.7	1.9	5.5	3.1
sodium		mg/L	360	720	630	370	320	330	470	500
cation-anion balance (% diff)		%	0.4	4.4	2.1	11.2	3.7	0.1	4.6	2.7
dissolved oxygen (mean)		mg/L					3.64	4.28	1.35	2.61
ORP		mV					-37.81	26.06	-55.08	-91.35

E=estimated value/exceeded calibration range

D20 = Reported from a 20X dilution

Groundwater Remediation System Evalution Sampling Results July 2008

Analyte	Standard	Unit	GRW-03	GRW-04	GRW-05	GRW-06	GRW-09	GRW-10	GRW-11	GRW-12
[illegible]thod 601/602										
methyl-t-butyl ether		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
toluene	750	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	750	ug/L	**8.4**	**13**	ND	ND	**0.8**	ND	ND	ND
total xylenes	620	ug/L	ND	**4.4**	ND	ND	ND	ND	ND	ND
TOTAL BTEX		ug/L	**8.4**	**17.4**	ND	ND	**0.8**	ND	ND	ND
chloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	**0.7**
1,1,1-trichloroethane	60	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloroporpene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromoform		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[illegible]-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[illegible]-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene		ug/L	ND	**0.6**	ND	ND	ND	ND	ND	**0.7**
total alkalinity		mg/L	910	950	700	580	820	790	120	1000
bicarbonate alkalinity		mg/L	900	940	700	570	820	780	120	1000
carbonate alkalinity		mg/L	1.9	1.6	2.1	1.5	1.4	7.7	ND	1.8
hydroxide alkalinity		mg/L	ND	ND	ND	ND	ND	ND	ND	ND
chloride	250	mg/L	99	91	82	82	85	88	35	120
sulfate	600	mg/L	170	160	950	1200	370	1400	2500	320
pH		SU	7.08	7.21	7.36	7.17	7.23	8.37	7.2	7.09
specific conductance		umhos/cm	2100	2200	3200	3400	2300	4600	4700	2600
total dissolved solids	1000	mg/L	1200	1100	2100	2400	1500	2900	3600	1700
calcium		mg/L	91	150	210	290	130	49	470	210
hardness		mg/L	2330	490	670	900	440	240	1100	630
magnesium		mg/L	24	26	37	45	29	27	21	28
potassium		mg/L	1.7	ND	2.8	1.7	1.5	20	9.8	1.5
sodium		mg/L	420	460	520	480	430	1100	720	420
cation-anion balance (% diff)		%	8	16.2	3.7	3.2	7.9	8.6	1.6	8
dissolved oxygen (mean)		mg/L	2.45	2.58	1.79	2.47	3.61	1.79	3.00	4.43
ORP		mV	-173.77	-299.25	-122.42	-110.10	-306.00		-151.21	-192.97

E=estimated value/exceeded calibration range

D20 = Reported from a 20X dilution

Groundwater Remediation System Evalution Sampling Results July 2008

Analyte	Standard	Unit	GRW-13	SHS-01	SHS-02	SHS-04	SHS-05	SHS-06	SHS-08	SHS-09
[redacted]thod 601/602										
methyl-t-butyl ether		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L	**0.9**	ND	ND	ND	ND	ND	**2.2**	ND
toluene	750	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	750	ug/L	ND	**0.7**	ND	ND	ND	ND	**2.8**	**2.9**
total xylenes	620	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL BTEX		ug/L	**0.9**	**0.7**	ND	ND	ND	ND	**5.0**	**2.9**
chloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	10	ug/L	**0.8**	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	60	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloroporpene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromoform		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[redacted]-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[redacted]-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene		ug/L	ND	**1.2**	ND	ND	ND	ND	**0.9**	ND
total alkalinity		mg/L	190	1000	210	200	220	410	730	1100
bicarbonate alkalinity		mg/L	190	1000	210	200	220	410	730	1100
carbonate alkalinity		mg/L	ND	2.2	ND	ND	ND	ND	ND	2.7
hydroxide alkalinity		mg/L	ND	ND	ND	ND	ND	ND	ND	ND
chloride	250	mg/L	180	91	160	62	56	76	100	95
sulfate	600	mg/L	2000	11	2300	1600	1500	1100	19	ND
pH		SU	7.02	7.09	6.26	7.21	7.23	7.17	6.71	7.16
specific conductance		umhos/cm	4200	1900	4500	3300	2900	2800	1600	2100
total dissolved solids	*1000*	*mg/L*	2700	1200	3700	2700	2500	1900	980	1100
calcium		mg/L	370	75	510	400	350	240	64	84
hardness		mg/L	1000	260	1700	1100	990	760	190	330
magnesium		mg/L	27	17	96	34	29	36	8.2	29
potassium		mg/L	8.5	1.8	9.2	3.7	1.7	2.5	1.2	2.5
sodium		mg/L	600	410	480	330	320	400	320	400
cation-anion balance (% diff)		%	2.9	8.9	1.2	1.5	3.7	1	8	7.2
dissolved oxygen (mean)		mg/L	2.94				4.98	2.00	1.08	1.01
ORP		mV	-49.63	-80.76			41.65	22.71	-0.92	-122.22

E=estimated value/exceeded calibration range

D20 = Reported from a 20X dilution

Groundwater Remediation System Evalution Sampling Results July 2008

Analyte	Standard	Unit	SHS-10	SHS-12	SHS-13	SHS-14	SHS-15	SHS-16	SHS-17	SHS-18
[redacted]thod 601/602										
methyl-t-butyl ether		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
benzene	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
toluene	750	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
ethylbenzene	750	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
total xylenes	620	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL BTEX		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
vinyl chloride	1	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromomethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichlorofluoromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
methylene chloride	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chloroform	100	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	60	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
carbon tetrachloride	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichloropropane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trichloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromodichloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-dichloroporpene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
dibromochloromethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dibromoethane		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
tetrachloroethene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
chlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
bromoform		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	10	ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[redacted]-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
[redacted]4-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene		ug/L	ND	ND	ND	ND	ND	ND	ND	ND
total alkalinity		mg/L	410	610	750	280	250	390	340	760
bicarbonate alkalinity		mg/L	410	600	740	280	250	390	340	760
carbonate alkalinity		mg/L	1.4	2.3	4.2	ND	1.1	1.1	ND	1.9
hydroxide alkalinity		mg/L	ND	ND	ND	ND	ND	ND	ND	ND
chloride	250	mg/L	49	88	180	41	110	490	95	100
sulfate	600	mg/L	1000	1000	660	1200	1200	2500	1500	690
pH		SU	7.26	7.3	7.05	7.28	7.44	729	7.29	7.22
specific conductance		umhos/cm	2500	3100	2700	2300	2800	6100	3000	2800
total dissolved solids	1000	mg/L	2000	2200	1900	1800	2200	4500	2400	1800
calcium		mg/L	270	260	270	290	300	800	380	190
hardness		mg/L	900	740	800	840	950	2300	1200	570
magnesium		mg/L	56	24	32	30	46	81	52	23
potassium		mg/L	11	12	2.9	2.9	5.1	11	14	2.6
sodium		mg/L	270	420	360	210	290	670	340	460
cation-anion balance (% diff)		%	1.9	0.5	1.2	8.1	1.1	2.5	1.4	2.9
dissolved oxygen (mean)		mg/L	2.31	1.88	3.38	2.85	8.20	0.91	3.67	12.73
ORP		mV	-69.06	-108.80	-95.43	-45.68	48.79	140.77	133.63	-48.21

E=estimated value/exceeded calibration range

D20 = Reported from a 20X dilution

Groundwater Remediation System Evalution Sampling Results July 2008

Analyte	Standard	Unit	SHS-19
thod 601/602			
methyl-t-butyl ether		ug/L	ND
benzene	10	ug/L	ND
toluene	750	ug/L	ND
ethylbenzene	750	ug/L	ND
total xylenes	620	ug/L	ND
TOTAL BTEX		ug/L	ND
chloromethane		ug/L	ND
vinyl chloride	1	ug/L	ND
bromomethane		ug/L	ND
chloroethane		ug/L	ND
trichlorofluoromethane		ug/L	ND
1,1-dichloroethene		ug/L	ND
methylene chloride	100	ug/L	ND
trans-1,2-dichloroethene		ug/L	ND
1,1-dichloroethane	25	ug/L	ND
chloroform	100	ug/L	ND
1,2-dichloroethane	10	ug/L	ND
1,1,1-trichloroethane	60	ug/L	ND
carbon tetrachloride	10	ug/L	ND
1,2-dichloropropane		ug/L	ND
trichloroethene		ug/L	ND
bromodichloromethane		ug/L	ND
cis-1,3-dichloroporpene		ug/L	ND
trans-1,3-dichloropropene		ug/L	ND
1,1,2-trichloroethane	10	ug/L	ND
dibromochloromethane		ug/L	ND
1,2-dibromoethane		ug/L	ND
tetrachloroethene		ug/L	ND
chlorobenzene		ug/L	ND
bromoform		ug/L	ND
1,1,2,2-tetrachloroethane	10	ug/L	ND
-dichlorobenzene		ug/L	ND
,4-dichlorobenzene		ug/L	ND
1,2-dichlorobenzene		ug/L	ND
total alkalinity		mg/L	600
bicarbonate alkalinity		mg/L	600
carbonate alkalinity		mg/L	1.4
hydroxide alkalinity		mg/L	ND
chloride	250	mg/L	110
sulfate	600	mg/L	21
pH		SU	7.12
specific conductance		umhos/cm	2800
total dissolved solids	1000	mg/L	2000
calcium		mg/L	210
hardness		mg/L	650
magnesium		mg/L	33
potassium		mg/L	1.8
sodium		mg/L	460
cation-anion balance (% diff)		%	42.5
dissolved oxygen (mean)		mg/L	1.02
ORP		mV	-80.71

E=estimated value/exceeded calibration range

D20 = Reported from a 20X dilution

Appendix D

Groundwater Sampling Laboratory Reports

PINNACLE LABS
Environmental Testing

Pinnacle Lab ID number **801070**
February 29, 2008

LODESTAR
26 CR 3500
FLORA VISTA, NM 87415

Project Name FORMER REFINERY
Project Number (NONE)

Attention: MARTIN NEE/BILL ROBERTSON

On 01/17/2008 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Methods 601/602 and 150.1 analyses were performed by Pinnacle Laboratories, Inc. (PLI).

All remaining analyses were performed by Flowers Chemical Laboratories, Inc. (FCL), Altmonte Springs, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

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PINNACLE LABS
Environmental Testing

CLIENT	: LODESTAR	PINNACLE ID	: 801070
PROJECT #	: (NONE)	DATE RECEIVED	: 01/17/2008
PROJECT NAME	: FORMER REFINERY	REPORT DATE	: 02/29/2008

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
801070 - 01	GBR-52	AQUEOUS	01/14/2008
801070 - 02	GRW-6	AQUEOUS	01/14/2008
801070 - 03	INFLUENT	AQUEOUS	01/15/2008
801070 - 04	SHS-9	AQUEOUS	01/15/2008
801070 - 05	GBR-50	AQUEOUS	01/15/2008
801070 - 06	GBR-24D	AQUEOUS	01/16/2008
801070 - 07	GBR-31	AQUEOUS	01/16/2008

PINNACLE Labs
Environmental Testing

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR	PINNACLE I.D.	: 801070
PROJECT #	: (NONE)	DATE RECEIVED	: 01/17/08
PROJECT NAME	: FORMER REFINERY	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
01	GBR-52	AQUEOUS	01/14/08	01/17/08
02	GRW-6	AQUEOUS	01/14/08	01/17/08
03	INFLUENT	AQUEOUS	01/15/08	01/17/08

PARAMETER	GBR-52	GRW-6	INFLUENT
PH (150.1)	7.3	7.2	7.4
TEMPERATURE (°C)	18.1	17.6	17.7

CHEMIST NOTES:
N/A

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PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR	PINNACLE I.D.	: 801070
PROJECT #	: (NONE)	DATE RECEIVED	: 01/17/08
PROJECT NAME	: FORMER REFINERY	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
04	SHS-9	AQUEOUS	01/15/08	01/17/08
05	GBR-50	AQUEOUS	01/15/08	01/17/08
06	GBR-24D	AQUEOUS	01/16/08	01/17/08

PARAMETER	SHS-9	GBR-50	GBR-24D
PH (150.1)	7.3	7.2	7.1
TEMPERATURE (°C)	18.4	18.7	18.4

CHEMIST NOTES:
N/A

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Environmental Testing

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR	PINNACLE I.D.	: 801070
PROJECT #	: (NONE)	DATE RECEIVED	: 01/17/08
PROJECT NAME	: FORMER REFINERY	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
07	GBR-31	AQUEOUS	01/16/08	01/17/08

PARAMETER	GBR-31
PH (150.1)	7.2
TEMPERATURE (°C)	18.7

CHEMIST NOTES:
N/A

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PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: LODESTAR	PINNACLE I.D.	: 801070
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: FORMER REFINERY	DATE ANALYZED	: 01/17/08

PARAMETER	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH (150.1)	801070-02	7.22	7.23	0
TEMPERATURE (°C)		17.6	17.4	

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602 BY 624
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : FORMER REFINERY

PINNACLE I.D. : 801070
ANALYST : STH

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	GBR-52	AQUEOUS	01/14/2008	NA	01/21/2008	1
02	GRW-6	AQUEOUS	01/14/2008	NA	01/21/2008	1
03	INFLUENT	AQUEOUS	01/15/2008	NA	01/21/2008	1

PARAMETER	DET. LIMIT	UNITS	GBR-52	GRW-6	INFLUENT
METHYL -t-BUTYL ETHER	0.5	UG/L	< 0.5	< 0.5	< 0.5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOTAL XYLENES	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
METHYLENE CHLORIDE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
BROMODICHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,2-DIBROMOETHANE (EDB)	1.0	UG/L	< 1.0	< 1.0	< 1.0
TETRACHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,3-DICHLOROBENZENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
SURROGATE % RECOVERY					
1,2-Dichloroethane-d4			97	103	98
SURROGATE LIMITS	(76 - 114)				
Toluene-d8			99	101	98
SURROGATE LIMITS	(88 - 110)				
Bromofluorobenzene			106	110	107
SURROGATE LIMITS	(86 - 115)				

CHEMIST NOTES: N/A

PINNACLE Labs
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602 BY 624
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : FORMER REFINERY

PINNACLE I.D. : 801070
ANALYST : STH

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	SHS-9	AQUEOUS	01/15/2008	NA	01/22/2008	1
05	GBR-50	AQUEOUS	01/15/2008	NA	01/21/2008	1
06	GBR-24D	AQUEOUS	01/16/2008	NA	01/21/2008	1

PARAMETER	DET. LIMIT	UNITS	SHS-9	GBR-50	GBR-24D
METHYL -t-BUTYL ETHER	0.5	UG/L	< 0.5	< 0.5	< 0.5
BENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**59**
TOLUENE	**0.5**	**UG/L**	< 0.5	< 0.5	**0.5**
ETHYLBENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**7.9**
TOTAL XYLENES	**1.0**	**UG/L**	< 1.0	< 1.0	**4.4**
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
METHYLENE CHLORIDE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
BROMODICHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,2-DIBROMOETHANE (EDB)	1.0	UG/L	< 1.0	< 1.0	< 1.0
TETRACHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,3-DICHLOROBENZENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
SURROGATE % RECOVERY					
1,2-Dichloroethane-d4			97	96	101
SURROGATE LIMITS	(76 - 114)				
Toluene-d8			93	96	96
SURROGATE LIMITS	(88 - 110)				
Bromofluorobenzene			100	103	106
SURROGATE LIMITS	(86 - 115)				

CHEMIST NOTES: N/A

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 601/602 BY 624		
CLIENT	: LODESTAR	PINNACLE I.D.	: 801070
PROJECT #	: (NONE)	ANALYST	: STH
PROJECT NAME	: FORMER REFINERY		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	GBR-31	AQUEOUS	01/16/2008	NA	01/21/2008	1

PARAMETER	DET. LIMIT	UNITS	GBR-31
METHYL -t-BUTYL ETHER	0.5	UG/L	< 0.5
BENZENE	0.5	UG/L	< 0.5
TOLUENE	0.5	UG/L	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5
TOTAL XYLENES	1.0	UG/L	< 1.0
CHLOROMETHANE	1.0	UG/L	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0
TRICHLOROFLUOROMETHANE	1.0	UG/L	< 1.0
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5
METHYLENE CHLORIDE	1.0	UG/L	< 1.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2
1,2-DICHLOROPROPANE	1.0	UG/L	< 1.0
TRICHLOROETHENE	1.0	UG/L	< 1.0
BROMODICHLOROMETHANE	1.0	UG/L	< 1.0
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	< 1.0
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	< 1.0
1,1,2-TRICHLOROETHANE	1.0	UG/L	< 1.0
DIBROMOCHLOROMETHANE	2.0	UG/L	< 2.0
1,2-DIBROMOETHANE (EDB)	1.0	UG/L	< 1.0
TETRACHLOROETHENE	**1.0**	**UG/L**	**2.0**
CHLOROBENZENE	0.5	UG/L	< 0.5
BROMOFORM	2.0	UG/L	< 2.0
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	< 1.0
1,3-DICHLOROBENZENE	1.0	UG/L	< 1.0
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5
1,2-DICHLOROBENZENE	1.0	UG/L	< 1.0
SURROGATE % RECOVERY			
1,2-Dichloroethane-d4			100
SURROGATE LIMITS	(76 - 114)		
Toluene-d8			96
SURROGATE LIMITS	(88 - 110)		
Bromofluorobenzene			107
SURROGATE LIMITS	(86 - 115)		

CHEMIST NOTES: N/A

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602 BY 624	PINNACLE I.D.	: 801070
BLANK I.D.	: 012108A	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 01/21/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: FORMER REFINERY	ANALYST	: STH

PARAMETER	UNITS		
METHYL -t-BUTYL ETHER	UG/L	<	0.5
BENZENE	UG/L	<	0.5
TOLUENE	UG/L	<	0.5
ETHYLBENZENE	UG/L	<	0.5
TOTAL XYLENES	UG/L	<	1.0
CHLOROMETHANE	UG/L	<	1.0
VINYL CHLORIDE	UG/L	<	0.5
BROMOMETHANE	UG/L	<	1.0
CHLOROETHANE	UG/L	<	1.0
TRICHLOROFLUOROMETHANE	UG/L	<	1.0
1,1-DICHLOROETHENE	UG/L	<	0.5
METHYLENE CHLORIDE	UG/L	<	1.0
TRANS-1,2-DICHLOROETHENE	UG/L	<	1.0
1,1-DICHLOROETHANE	UG/L	<	0.5
CHLOROFORM	UG/L	<	0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<	0.5
1,1,1-TRICHLOROETHANE	UG/L	<	0.5
CARBON TETRACHLORIDE	UG/L	<	0.2
1,2-DICHLOROPROPANE	UG/L	<	1.0
TRICHLOROETHENE	UG/L	<	1.0
BROMODICHLOROMETHANE	UG/L	<	1.0
CIS-1,3-DICHLOROPROPENE	UG/L	<	1.0
TRANS-1,3-DICHLOROPROPENE	UG/L	<	1.0
1,1,2-TRICHLOROETHANE	UG/L	<	1.0
DIBROMOCHLOROMETHANE	UG/L	<	2.0
1,2-DIBROMOETHANE (EDB)	UG/L	<	1.0
TETRACHLOROETHENE	UG/L	<	1.0
CHLOROBENZENE	UG/L	<	0.5
BROMOFORM	UG/L	<	2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<	1.0
1,3-DICHLOROBENZENE	UG/L	<	1.0
1,4-DICHLOROBENZENE	UG/L	<	0.5
1,2-DICHLOROBENZENE	UG/L	<	1.0

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4		101
SURROGATE LIMITS	(76 - 114)	
Toluene-d8		94
SURROGATE LIMITS	(88 - 110)	
Bromofluorobenzene		102
SURROGATE LIMITS	(86 - 115)	

N/A

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PINNACLE Labs
Environmental Testing

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602 BY 624	PINNACLE I.D.	: 801070
BLANK I.D.	: 012208A	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 01/22/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: FORMER REFINERY	ANALYST	: STH

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	< 0.5
BENZENE	UG/L	< 0.5
TOLUENE	UG/L	< 0.5
ETHYLBENZENE	UG/L	< 0.5
TOTAL XYLENES	UG/L	< 1.0
CHLOROMETHANE	UG/L	< 1.0
VINYL CHLORIDE	UG/L	< 0.5
BROMOMETHANE	UG/L	< 1.0
CHLOROETHANE	UG/L	< 1.0
TRICHLOROFLUOROMETHANE	UG/L	< 1.0
1,1-DICHLOROETHENE	UG/L	< 0.5
METHYLENE CHLORIDE	UG/L	< 1.0
TRANS-1,2-DICHLOROETHENE	UG/L	< 1.0
1,1-DICHLOROETHANE	UG/L	< 0.5
CHLOROFORM	UG/L	< 0.5
1,2-DICHLOROETHANE (EDC)	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.2
1,2-DICHLOROPROPANE	UG/L	< 1.0
TRICHLOROETHENE	UG/L	< 1.0
BROMODICHLOROMETHANE	UG/L	< 1.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 1.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1.0
1,1,2-TRICHLOROETHANE	UG/L	< 1.0
DIBROMOCHLOROMETHANE	UG/L	< 2.0
1,2-DIBROMOETHANE (EDB)	UG/L	< 1.0
TETRACHLOROETHENE	UG/L	< 1.0
CHLOROBENZENE	UG/L	< 0.5
BROMOFORM	UG/L	< 2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 1.0
1,3-DICHLOROBENZENE	UG/L	< 1.0
1,4-DICHLOROBENZENE	UG/L	< 0.5
1,2-DICHLOROBENZENE	UG/L	< 1.0

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4		101
SURROGATE LIMITS	(76 - 114)	
Toluene-d8		99
SURROGATE LIMITS	(88 - 110)	
Bromofluorobenzene		110
SURROGATE LIMITS	(86 - 115)	

N/A

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 601/602 BY 624	PINNACLE I.D.	: 801070
SAMPLE ID	: 801069-01	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 01/21/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: FORMER REFINERY	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
METHYL -t-BUTYL ETHER	<0.5	40.0	44.4	111	44.4	111	0	(70 - 130)	20
BENZENE	<0.5	40.0	34.9	87	35.0	88	0	(39 - 150)	20
TOLUENE	<0.5	40.0	38.0	95	37.9	95	0	(46 - 148)	20
ETHYLBENZENE	<0.5	40.0	40.8	102	41.6	104	2	(32 - 160)	20
TOTAL XYLENES	<1.0	120	130	108	130	108	0	(80 - 120)	20
CHLOROMETHANE	<1.0	40.0	35.0	88	36.3	91	4	(D - 193)	20
VINYL CHLORIDE	<0.5	40.0	36.9	92	38.0	95	3	(28 - 163)	20
BROMOMETHANE	<1.0	40.0	37.4	94	38.5	96	3	(D - 144)	20
CHLOROETHANE	<1.0	40.0	35.9	90	37.0	92	3	(46 - 137)	20
TRICHLOROFLUOROMETHANE	<1.0	40.0	53.3	133	56.1	140	5	(21 - 156)	20
1,1-DICHLOROETHENE	<0.5	40.0	42.4	106	42.8	107	1	(28 - 167)	20
METHYLENE CHLORIDE	<1.0	40.0	48.1	120	51.2	128	6	(25 - 162)	20
TRANS-1,2-DICHLOROETHENE	<1.0	40.0	35.1	88	36.3	91	3	(38 - 155)	20
1,1-DICHLOROETHANE	<0.5	40.0	38.3	96	39.2	98	2	(47 - 132)	20
CHLOROFORM	<0.5	40.0	43.9	110	44.1	110	0	(49 - 133)	20
1,2-DICHLOROETHANE (EDC)	<0.5	40.0	53.4	133	54.7	137	2	(51 - 147)	20
1,1,1-TRICHLOROETHANE	<0.5	40.0	57.4	**144-M4**	58.2	**145-M4**	1	(41 - 138)	20
CARBON TETRACHLORIDE	<0.2	40.0	59.3	**148-M4**	60.8	**152-M4**	3	(43 - 143)	20
1,2-DICHLOROPROPANE	<1.0	40.0	35.5	89	34.1	85	4	(44 - 156)	20
TRICHLOROETHENE	<1.0	40.0	41.1	103	42.6	107	4	(35 - 146)	20
BROMODICHLOROMETHANE	<1.0	40.0	45.5	114	45.7	114	1	(42 - 172)	20
CIS-1,3-DICHLOROPROPENE	<1.0	40.0	38.5	96	39.6	99	3	(22 - 178)	20
TRANS-1,3-DICHLOROPROPENE	<1.0	40.0	44.6	112	42.6	107	5	(22 - 178)	20
1,1,2-TRICHLOROETHANE	<1.0	40.0	37.5	94	36.4	91	3	(39 - 136)	20
DIBROMOCHLOROMETHANE	<2.0	40.0	44.4	111	43.0	108	3	(24 - 191)	20
1,2-DIBROMOETHANE (EDB)	<1.0	40.0	42.2	105	42.2	106	0	(80 - 120)	20
TETRACHLOROETHENE	<1.0	40.0	33.8	84	33.5	84	1	(26 - 162)	20
CHLOROBENZENE	<0.5	40.0	41.6	104	42.4	106	2	(38 - 150)	20
BROMOFORM	<2.0	40.0	40.7	102	38.7	97	5	(13 - 159)	20
1,1,2,2-TETRACHLOROETHANE	<1.0	40.0	37.7	94	35.3	88	6	(8 - 184)	20
1,3-DICHLOROBENZENE	<1.0	40.0	39.8	100	41.5	104	4	(7 - 187)	20
1,4-DICHLOROBENZENE	<0.5	40.0	39.1	98	40.8	102	4	(42 - 143)	20
1,2-DICHLOROBENZENE	<1.0	40.0	42.7	107	41.7	104	3	(D - 208)	20

CHEMIST NOTES:
M4 = %REC is outside of PLI criteria.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801070
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Report Summary

Date Received: Jan 18, 2008

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
57727GW1	GBR-52/801070-01	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57727GW2	GRW-6/801070-02	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
		XBNE	CDG	Main Lab	
57727GW3	SHS-9/801070-04	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57727GW4	GBR-50/801070-05	EPA120.1	LCC	Main Lab	Ground Water
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57727GW5	GBR-24D/801070-06	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
		XBNE	CDG	Main Lab	
57727GW6	GBR-31/801070-07	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	

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PO #: 801070
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Feb 26, 2008; Invoice: 57727

		SM4500CIE	VLB	Main Lab	
		XBNE	CDG	Main Lab	
57727WW1	Influent/801070-03	EPA120.1	LCC	Main Lab	Waste Water
		EPA200.7	EVB	Main Lab	
		EPA375.2	PCW	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	

Certificate of Results
Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

ACCREDITED IN ACCORDANCE WITH NELAC

Jefferson S. Flowers, Ph.D.
President/Technical Director

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2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801070
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Analysis Report

Lab #: 57727GW1 Sampled: 01/14/08 02:04 PMDesc: GBR:52/801070-01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	2740	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Calcium	29.4	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-70-2	01/22/08
Magnesium	5.96	mg/L	1.00	0.0100	0.0200	10097113	EPA6010	7439-95-4	01/22/08
Potassium	54.5	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-09-7	01/22/08
Sodium	1200	mg/L	1.00	0.500	1.00	10097113	EPA6010	7440-23-5	01/22/08
Total Hardness (as CaCO3)	97.9	mg/L	1.00	1.00	2.00	10097113	EPA6010	40-11-9	01/22/08
Specific_Conductance	3400	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	235	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	236	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	5.00 U	mg/L	1.00	5.00	10.0	10098007	SM4500CIE	16887-00-6	02/02/08
Sulfate	1330	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

Lab #: 57727GW2 Sampled: 01/14/08 03:36 PMDesc: GRW:6/801070-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	2180	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Calcium	257	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-70-2	01/22/08
Magnesium	24.8	mg/L	1.00	0.0100	0.0200	10097113	EPA6010	7439-95-4	01/22/08
Potassium	2.79	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-09-7	01/22/08
Sodium	451	mg/L	1.00	0.500	1.00	10097113	EPA6010	7440-23-5	01/22/08
Total Hardness (as CaCO3)	744	mg/L	1.00	1.00	2.00	10097113	EPA6010	40-11-9	01/22/08
Base_Neutral_Extraction	1000	mL	1.00			10097179	XBNE		01/21/08
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	090-12-0	01/25/08
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-57-6	01/25/08
Acenaphthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	83-32-9	01/25/08
Acenaphthylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	208-96-8	01/25/08

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PO #: 801070
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Lab #: 57727GW2 Sampled: 01/14/08 03:36 PMDesc: GRW-6/801070-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	120-12-7	01/25/08
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	56-55-3	01/25/08
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	50-32-8	01/25/08
Benzo(b)fluoranthene	0.100 U	ug/L	1.00	0.100	0.200	10097367	EPA8270	205-99-2	01/25/08
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	191-24-2	01/25/08
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	207-08-9	01/25/08
Chrysene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	218-01-9	01/25/08
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	53-70-3	01/25/08
Fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	206-44-0	01/25/08
Fluorene	0.280 I	ug/L	1.00	0.200	0.400	10097367	EPA8270	86-73-7	01/25/08
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	193-39-5	01/25/08
Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-20-3	01/25/08
Phenanthrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	85-01-8	01/25/08
Pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	129-00-0	01/25/08
Surr:2-Fluorobiphenyl (28-172%)	65.92%		1.00	0.0100	0.0200	10097367	EPA8270	321-60-8	01/25/08
Surr:Nitrobenzene-d5 (100-294%)	96.82%		1.00	0.0100	0.400	10097367	EPA8270		01/25/08
Surr:Terphenyl-d14 (24-224%)	53.38%		1.00	0.0100	0.0200	10097367	EPA8270		01/25/08
Specific_Conductance	3190	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	611	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	1.48	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	613	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	65.4	mg/L	1.00	5.00	10.0	10098007	SM4500CIE	16887-00-6	02/02/08
Sulfate	957	mg/L	10.0	50.0	100	10098055	EPA375.2	14808-79-8	02/06/08

Lab #: 57727GW3 Sampled: 01/15/08 12:00 PMDesc: SHS-9/801070-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	1370	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Calcium	159	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-70-2	01/22/08

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PO #: 801070
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Lab #: 57727GW3 Sampled: 01/16/08 12:00 FMDesc: SHS-9/801070-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Magnesium	38.6	mg/L	1.00	0.0100	0.0200	10097113	EPA6010	7439-95-4	01/22/08
Potassium	3.00	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-09-7	01/22/08
Sodium	399	mg/L	1.00	0.500	1.00	10097113	EPA6010	7440-23-5	01/22/08
Total Hardness (as CaCO3)	556	mg/L	1.00	1.00	2.00	10097113	EPA6010	40-11-9	01/22/08
Specific_Conductance	2290	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	224	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	224	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	101	mg/L	1.00	5.00	10.0	10098007	SM4500CIE	16887-00-6	02/02/08
Sulfate	73.6 I	mg/L	10.0	50.0	100	10098055	EPA375.2	14808-79-8	02/06/08

Lab #: 57727GW4 Sampled: 01/15/08 04:52 FMDesc: GBR-50/801070-05

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	2830	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Mercury	0.0000170 U	mg/L	1.00	0.0000170	0.0000400	10097106	EPA245.1	7439-97-6	01/22/08
Calcium	326	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-70-2	01/22/08
Magnesium	25.0	mg/L	1.00	0.0100	0.0200	10097113	EPA6010	7439-95-4	01/22/08
Potassium	2.56	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-09-7	01/22/08
Sodium	320	mg/L	1.00	0.500	1.00	10097113	EPA6010	7440-23-5	01/22/08
Total Hardness (as CaCO3)	916	mg/L	1.00	1.00	2.00	10097113	EPA6010	40-11-9	01/22/08
Specific_Conductance	3420	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	224	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	224	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Antimony	0.00194 I	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-36-0	01/29/08
Arsenic	0.00177 I	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-38-2	01/29/08
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10097560	EPA200.8	7440-41-7	01/29/08

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801070
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Lab #: 57727GW4 Sampled: 01/15/08 04:52 PMDesc: GBR-50/801070-05

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Cadmium	0.00607	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-43-9	01/29/08
Chromium	0.0112	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-47-3	01/29/08
Copper	0.0163	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-50-8	01/29/08
Lead	0.00860	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7439-92-1	01/29/08
Nickel	0.0179	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-02-0	01/29/08
Selenium	0.00930	mg/L	1.00	0.00200	0.00400	10097560	EPA200.8	7782-49-2	01/29/08
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10097560	EPA200.8	7440-22-4	01/29/08
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-28-0	01/29/08
Zinc	0.247	mg/L	1.00	0.0100	0.0200	10097560	EPA200.8	7440-66-6	01/29/08
Chloride	46.5	mg/L	1.00	5.00	10.0	10098007	SM4500CIE	16887-00-6	02/02/08
Sulfate	1380	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

Lab #: 57727GW5 Sampled: 01/16/08 01:55 PMDesc: GBR-240/801070-08

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	3660	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Calcium	501	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-70-2	01/22/08
Magnesium	68.7	mg/L	1.00	0.0100	0.0200	10097113	EPA6010	7439-95-4	01/22/08
Potassium	7.00	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-09-7	01/22/08
Sodium	501	mg/L	1.00	0.500	1.00	10097113	EPA6010	7440-23-5	01/22/08
Total Hardness (as CaCO3)	1530	mg/L	1.00	1.00	2.00	10097113	EPA6010	40-11-9	01/22/08
Base_Neutral_Extraction	1000	mL	1.00			10097179	XBNE		01/21/08
1-methyl-Naphthalene	1.98	ug/L	1.00	0.200	0.400	10097367	EPA8270	090-12-0	01/25/08
2-methyl-Naphthalene	1.08	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-57-6	01/25/08
Acenaphthene	0.510	ug/L	1.00	0.200	0.400	10097367	EPA8270	83-32-9	01/25/08
Acenaphthylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	208-96-8	01/25/08
Anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	120-12-7	01/25/08
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	56-55-3	01/25/08
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	50-32-8	01/25/08
Benzo(b)fluoranthene	0.100 U	ug/L	1.00	0.100	0.200	10097367	EPA8270	205-99-2	01/25/08

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801070
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Lab #: 57727GW5 Sampled: 01/16/08 01:55 PMDesc: GBR-24D/801070-06

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	191-24-2	01/25/08
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	207-08-9	01/25/08
Chrysene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	218-01-9	01/25/08
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	53-70-3	01/25/08
Fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	206-44-0	01/25/08
Fluorene	0.910	ug/L	1.00	0.200	0.400	10097367	EPA8270	86-73-7	01/25/08
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	193-39-5	01/25/08
Naphthalene	0.220 I	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-20-3	01/25/08
Phenanthrene	0.470	ug/L	1.00	0.200	0.400	10097367	EPA8270	85-01-8	01/25/08
Pyrene	0.320 I	ug/L	1.00	0.200	0.400	10097367	EPA8270	129-00-0	01/25/08
Surr:2-Fluorobiphenyl (28-172%)	66.32%		1.00	0.0100	0.0200	10097367	EPA8270	321-60-8	01/25/08
Surr:Nitrobenzene-d5 (100-294%)	99.86%		1.00	0.0100	0.400	10097367	EPA8270		01/25/08
Surr:Terphenyl-d14 (24-224%)	44.30%		1.00	0.0100	0.0200	10097367	EPA8270		01/25/08
Specific_Conductance	4560	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	568	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	569	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	102	mg/L	1.00	5.00	10.0	10098007	SM4500CIE	16887-00-6	02/02/08
Sulfate	1600	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

Lab #: 57727GW6 Sampled: 01/16/08 03:20 PMDesc: GBR-31/801070-07

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	2890	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Calcium	407	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-70-2	01/22/08
Magnesium	34.6	mg/L	1.00	0.0100	0.0200	10097113	EPA6010	7439-95-4	01/22/08
Potassium	3.59	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-09-7	01/22/08
Sodium	436	mg/L	1.00	0.500	1.00	10097113	EPA6010	7440-23-5	01/22/08
Total Hardness (as CaCO3)	1160	mg/L	1.00	1.00	2.00	10097113	EPA6010	40-11-9	01/22/08

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801070
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Lab #: 57727GW6 Sampled: 01/16/08 03:20 PMDesc: GBR 31/801070-07

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Base_Neutral_Extraction	1000	mL	1.00			10097179	XBNE		01/21/08
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	090-12-0	01/25/08
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-57-6	01/25/08
Acenaphthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	83-32-9	01/25/08
Acenaphthylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	208-96-8	01/25/08
Anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	120-12-7	01/25/08
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	56-55-3	01/25/08
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	50-32-8	01/25/08
Benzo(b)fluoranthene	0.100 U	ug/L	1.00	0.100	0.200	10097367	EPA8270	205-99-2	01/25/08
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	191-24-2	01/25/08
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	207-08-9	01/25/08
Chrysene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	218-01-9	01/25/08
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	53-70-3	01/25/08
Fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	206-44-0	01/25/08
Fluorene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	86-73-7	01/25/08
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	193-39-5	01/25/08
Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-20-3	01/25/08
Phenanthrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	85-01-8	01/25/08
Pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	129-00-0	01/25/08
Surr:2-Fluorobiphenyl (28-172%)	64.22%		1.00	0.0100	0.0200	10097367	EPA8270	321-60-8	01/25/08
Surr:Nitrobenzene-d5 (100-294%)	73.02%		1.00	0.0100	0.400	10097367	EPA8270		01/25/08
Surr:Terphenyl-d14 (24-224%)	56.18%		1.00	0.0100	0.0200	10097367	EPA8270		01/25/08
Specific_Conductance	3650	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	261	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	261	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	79.4	mg/L	1.00	5.00	10.0	10098007	SM4500CIE	16887-00-6	02/02/08
Sulfate	1360	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801070
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Lab #: 57727WW1 Sampled: 01/15/08 09:25 AMDesc: Influent/801070-03

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	2470	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Calcium	264	mg/L	1.00	0.100	0.200	10097116	EPA200.7	7440-70-2	01/22/08
Magnesium	25.1	mg/L	1.00	0.0100	0.0200	10097116	EPA200.7	7439-95-4	01/22/08
Potassium	3.13	mg/L	1.00	0.100	0.200	10097116	EPA200.7	7440-09-7	01/22/08
Sodium	466	mg/L	1.00	0.500	1.00	10097116	EPA200.7	7440-23-5	01/22/08
Total Hardness (as CaCO3)	763	mg/L	1.00	1.00	2.00	10097116	EPA200.7	40-11-9	01/22/08
Specific_Conductance	3240	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	509	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	510	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	82.0	mg/L	1.00	5.00	10.0	10098007	SM4500CIE	16887-00-6	02/02/08
Sulfate	920 I	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

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Albuquerque,NM 87107

PO #: 801070
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Quality Report

Quality Control Batch: 10097051	Analyst: RMV							
Blank	**Result**	**Units**						
TDS	2.50U	mg/L						
Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**			
TDS	1480	mg/L	1500	98.40	91.37-104.26			

Quality Control Batch: 10097106	Analyst: EVB							
Blank	**Result**	**Units**						
Mercury	0.0000170U	mg/L						
Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**			
Mercury	0.00310	mg/L	0.00300	103.30	92.96-111.03			
Matrix Spike	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**		
Mercury	0.00302	mg/L	0.00300	100.70	91.53-113.30	0.0000170U		
Matrix Spike Duplicate	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**	**RPD**	**RPD Lim**
Mercury	0.00304	mg/L	0.00300	101.40	91.53-113.30	0.0000170U	0.69	7.47

Quality Control Batch: 10097113	Analyst: EVB	
Blank	**Result**	**Units**
Calcium	0.100U	mg/L
Magnesium	0.0100U	mg/L
Potassium	0.100U	mg/L
Sodium	0.500U	mg/L
Total Hardness (as CaCO3)	1.00U	mg/L

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Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Calcium	0.989	mg/L	1.00	98.87	83.92-117.64
Magnesium	0.972	mg/L	1.00	97.21	87.31-118.85
Potassium	8.76	mg/L	10.0	87.58	79.90-114.82
Sodium	0.924	mg/L	1.00	92.42	78.62-112.15
Total Hardness (as CaCO3)	6.47	mg/L	6.62	97.84	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Calcium	55.2	mg/L	5.00	104.23	38.12-158.26	50.0
Magnesium	15.7	mg/L	5.00	106.69	56.63-150.61	10.3
Potassium	12.9	mg/L	5.00	98.41	43.39-154.88	7.95
Sodium	57.9	mg/L	5.00	99.12	37.63-161.64	53.0

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Calcium	55.2	mg/L	5.00	104.19	38.12-158.26	50.0	0.00	13.18
Magnesium	15.7	mg/L	5.00	106.50	56.63-150.61	10.3	0.06	14.99
Potassium	12.8	mg/L	5.00	97.02	43.39-154.88	7.95	0.54	23.53
Sodium	57.9	mg/L	5.00	98.43	37.63-161.64	53.0	0.06	19.20

Quality Control Batch: 10092118 **Analyst: EVB**

Blank	Result	Units
Calcium	0.100U	mg/L
Magnesium	0.0100U	mg/L
Potassium	0.100U	mg/L
Sodium	0.500U	mg/L
Total Hardness (as CaCO3)	1.00U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Calcium	0.989	mg/L	1.00	98.87	78.97-114.70
Magnesium	0.972	mg/L	1.00	97.21	85.74-116.82
Potassium	8.76	mg/L	10.0	87.58	82.40-115.28

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PO #: 801070
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Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Quality Control Batch: 10097116 **Analyst: EVB**

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Sodium	0.924	mg/L	1.00	92.42	77.47-114.43
Total Hardness (as CaCO3)	6.47	mg/L	6.62	97.84	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Calcium	55.2	mg/L	5.00	104.23	27.68-167.72	50.0
Magnesium	15.7	mg/L	5.00	106.69	53.84-157.37	10.3
Potassium	12.9	mg/L	5.00	98.41	27.38-162.00	7.95
Sodium	57.9	mg/L	5.00	99.12	37.32-161.89	53.0

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Calcium	55.2	mg/L	5.00	104.19	27.68-167.72	50.0	0.00	26.07
Magnesium	15.7	mg/L	5.00	106.50	53.84-157.37	10.3	0.06	31.28
Potassium	12.8	mg/L	5.00	97.02	27.38-162.00	7.95	0.54	34.44
Sodium	57.9	mg/L	5.00	98.43	37.32-161.89	53.0	0.06	20.02

Quality Control Batch: 10097367 **Analyst: CLS**

Blank	Result	Units
Acenaphthene	0.200U	ug/L
Acenaphthylene	0.200U	ug/L
Anthracene	0.200U	ug/L
Benzo(a)anthracene	0.200U	ug/L
Benzo(a)pyrene	0.200U	ug/L
Benzo(b)fluoranthene	0.100U	ug/L
Benzo(g,h,i)perylene	0.200U	ug/L
Benzo(k)fluoranthene	0.200U	ug/L
Chrysene	0.200U	ug/L
Dibenz(a,h)anthracene	0.200U	ug/L
Fluoranthene	0.200U	ug/L

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2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 8D1070
Client Project #: LODE
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Feb 26, 2008; Invoice: 57727

Quality Control Batch: 10097367 **Analyst: CLS**

Blank	Result	Units
Fluorene	0.200U	ug/L
Indeno(1,2,3-cd)pyrene	0.200U	ug/L
Naphthalene	0.200U	ug/L
Phenanthrene	0.200U	ug/L
Pyrene	0.200U	ug/L
1-methyl-Naphthalene	0.200U	ug/L
2-methyl-Naphthalene	0.200U	ug/L
Surr:Nitrobenzene-d5	53.0	ug/L
Surr:Terphenyl-d14	57.9	ug/L
Surr:2-Fluorobiphenyl	38.7	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acenaphthene	46.9	ug/L	50.0	93.80	19.43-110.82
Acenaphthylene	56.2	ug/L	50.0	112.48	80.00-120.00
Anthracene	53.1	ug/L	50.0	106.12	35.89-115.69
Benzo(a)anthracene	35.1	ug/L	50.0	70.26	41.93-129.99
Benzo(a)pyrene	59.8	ug/L	50.0	119.58	39.40-119.98
Benzo(b)fluoranthene	52.8	ug/L	50.0	105.66	31.36-135.33
Benzo(g,h,i)perylene	47.0	ug/L	50.0	94.02	46.39-130.38
Benzo(k)fluoranthene	37.3	ug/L	50.0	74.68	33.95-145.70
Chrysene	44.7	ug/L	50.0	89.40	46.72-133.45
Dibenz(a,h)anthracene	42.9	ug/L	50.0	85.78	37.64-133.88
Fluoranthene	55.4	ug/L	50.0	110.72	24.34-134.54
Fluorene	63.2	ug/L	50.0	126.32	19.06-111.20
Indeno(1,2,3-cd)pyrene	51.8	ug/L	50.0	103.50	37.85-131.90
Naphthalene	47.5	ug/L	50.0	94.98	19.50-98.77
Phenanthrene	52.6	ug/L	50.0	105.20	33.33-113.56
Pyrene	51.2	ug/L	50.0	102.34	42.73-127.70
1-methyl-Naphthalene	46.4	ug/L	50.0	92.72	21.79-99.13

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Albuquerque,NM 87107

PO #: 801070
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57727

Quality Control Batch: 10097367 **Analyst: CLS**

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
2-methyl-Naphthalene	49.5	ug/L	50.0	99.08	18.17-99.78
Surr:Nitrobenzene-d5	50.0	ug/L	50.0	99.90	54.20-138.20
Surr:Terphenyl-d14	44.7	ug/L	50.0	89.32	37.97-143.50
Surr:2-Fluorobiphenyl	36.2	ug/L	50.0	72.44	18.75-110.25

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthene	53.4	ug/L	50.0	106.86	24.01-102.00	0.200U
Acenaphthylene	58.2	ug/L	50.0	116.40	80.00-120.00	0.200U
Anthracene	45.9	ug/L	50.0	91.80	36.36-119.37	0.200U
Benzo(a)anthracene	24.5	ug/L	50.0	49.06	22.93-131.37	0.200U
Benzo(a)pyrene	40.5	ug/L	50.0	80.94	28.55-113.30	0.200U
Benzo(b)fluoranthene	44.5	ug/L	50.0	89.00	33.90-132.20	0.100U
Benzo(g,h,i)perylene	29.6	ug/L	50.0	59.16	29.74-126.60	0.200U
Benzo(k)fluoranthene	24.5	ug/L	50.0	48.92	1.00-172.28	0.200U
Chrysene	33.6	ug/L	50.0	67.10	21.81-143.20	0.200U
Dibenz(a,h)anthracene	26.5	ug/L	50.0	53.02	14.09-128.46	0.200U
Fluoranthene	41.9	ug/L	50.0	83.78	20.92-125.32	0.200U
Fluorene	61.6	ug/L	50.0	123.14	15.17-114.79	0.200U
Indeno(1,2,3-cd)pyrene	31.9	ug/L	50.0	63.86	13.90-145.82	0.200U
Naphthalene	52.4	ug/L	50.0	104.70	9.17-110.12	0.200U
Phenanthrene	47.0	ug/L	50.0	93.90	19.47-133.87	0.200U
Pyrene	41.1	ug/L	50.0	82.20	21.53-149.12	0.200U
1-methyl-Naphthalene	50.7	ug/L	50.0	101.42	10.68-99.34	0.200U
2-methyl-Naphthalene	51.1	ug/L	50.0	102.28	22.29-86.35	0.200U
Surr:Nitrobenzene-d5	60.2	ug/L	50.0	120.38	48.30-142.10	
Surr:Terphenyl-d14	27.1	ug/L	50.0	54.16	16.08-149.12	
Surr:2-Fluorobiphenyl	41.4	ug/L	50.0	82.86	16.08-95.65	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim

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PO #: 801070
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Quality Control Batch: 10097367 **Analyst: CLS**

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acenaphthene	52.4	ug/L	50.0	104.72	24.01-102.00	0.200U	2.02	20.00
Acenaphthylene	62.6	ug/L	50.0	125.28	80.00-120.00	0.200U	7.35	20.00
Anthracene	43.2	ug/L	50.0	86.42	36.36-119.37	0.200U	6.04	20.00
Benzo(a)anthracene	22.4	ug/L	50.0	44.84	22.93-131.37	0.200U	8.99	20.00
Benzo(a)pyrene	34.4	ug/L	50.0	68.72	28.55-113.30	0.200U	16.33	20.00
Benzo(b)fluoranthene	40.4	ug/L	50.0	80.82	33.90-132.20	0.100U	9.63	20.00
Benzo(g,h,i)perylene	26.5	ug/L	50.0	53.08	29.74-126.60	0.200U	10.83	20.00
Benzo(k)fluoranthene	22.2	ug/L	50.0	44.42	1.00-172.28	0.200U	9.64	20.00
Chrysene	27.2	ug/L	50.0	54.36	21.81-143.20	0.200U	20.98	20.00
Dibenz(a,h)anthracene	22.1	ug/L	50.0	44.12	14.09-128.46	0.200U	18.32	20.00
Fluoranthene	37.5	ug/L	50.0	75.06	20.92-125.32	0.200U	10.98	20.00
Fluorene	60.5	ug/L	50.0	120.94	15.17-114.79	0.200U	1.80	20.00
Indeno(1,2,3-cd)pyrene	26.5	ug/L	50.0	52.90	13.90-145.82	0.200U	18.77	20.00
Naphthalene	55.3	ug/L	50.0	110.56	9.17-110.12	0.200U	5.44	20.00
Phenanthrene	44.2	ug/L	50.0	88.42	19.47-133.87	0.200U	6.01	20.00
Pyrene	36.5	ug/L	50.0	73.02	21.53-149.12	0.200U	11.83	20.00
1-methyl-Naphthalene	55.3	ug/L	50.0	110.56	10.68-99.34	0.200U	8.62	20.00
2-methyl-Naphthalene	53.7	ug/L	50.0	107.44	22.29-86.35	0.200U	4.92	20.00
Surr:Nitrobenzene-d5	67.1	ug/L	50.0	134.18	48.30-142.10		10.84	20.00
Surr:Terphenyl-d14	27.2	ug/L	50.0	54.40	16.08-149.12		0.44	20.00
Surr:2-Fluorobiphenyl	46.3	ug/L	50.0	92.56	16.08-95.65		11.06	20.00

Quality Control Batch: 10097408 **Analyst: CCP**

Blank	Result	Units
Total Alkalinity CaCO3	0.100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Total Alkalinity CaCO3	106	mg/L	100	106.11	79.90-119.80

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Quality Control Batch: 100097800	Analyst: EVB					
Blank	**Result**	**Units**				
Antimony	0.00100U	mg/L				
Arsenic	0.00100U	mg/L				
Beryllium	0.000500U	mg/L				
Cadmium	0.00100U	mg/L				
Chromium	0.00100U	mg/L				
Copper	0.00100U	mg/L				
Lead	0.00100U	mg/L				
Nickel	0.00100U	mg/L				
Selenium	0.00200U	mg/L				
Silver	0.000500U	mg/L				
Thallium	0.00100U	mg/L				
Zinc	0.0100U	mg/L				
Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	
Antimony	0.113	mg/L	0.100	113.47	80.03-120.75	
Arsenic	0.107	mg/L	0.100	107.11	81.93-119.74	
Beryllium	0.112	mg/L	0.100	111.67	86.22-131.89	
Cadmium	0.105	mg/L	0.100	104.61	85.61-121.52	
Chromium	0.108	mg/L	0.100	107.99	87.55-121.64	
Copper	0.114	mg/L	0.100	114.31	83.47-123.46	
Lead	0.103	mg/L	0.100	102.78	85.29-122.99	
Nickel	0.115	mg/L	0.100	114.55	83.90-123.41	
Selenium	0.107	mg/L	0.100	106.55	80.22-122.56	
Silver	0.106	mg/L	0.100	105.84	80.37-121.03	
Thallium	0.108	mg/L	0.100	108.24	85.19-125.90	
Zinc	0.102	mg/L	0.100	102.21	78.11-124.45	
Matrix Spike	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**

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Quality Control Batch: 10097560 **Analyst: EVB**

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.0611	mg/L	0.0800	76.39	72.54-138.82	0.00100U
Arsenic	0.0605	mg/L	0.0800	75.58	69.79-148.76	0.00100U
Beryllium	0.0728	mg/L	0.0800	91.04	90.41-153.43	0.000500U
Cadmium	0.0629	mg/L	0.0800	78.56	74.04-138.49	0.00100U
Chromium	0.0572	mg/L	0.0800	71.50	63.98-143.93	0.00100U
Copper	0.257	mg/L	0.0800	71.90	49.86-141.65	0.199
Lead	0.0659	mg/L	0.0800	78.64	65.33-149.14	0.00296
Nickel	0.0629	mg/L	0.0800	74.50	59.18-140.06	0.00328
Selenium	0.0655	mg/L	0.0800	81.86	60.93-152.53	0.00200U
Silver	0.0493	mg/L	0.0800	61.65	45.71-147.09	0.000500U
Thallium	0.0578	mg/L	0.0800	72.25	74.90-159.54	0.00100U
Zinc	0.101	mg/L	0.0800	93.20	49.35-144.25	0.0266

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.0579	mg/L	0.0800	72.32	72.54-138.82	0.00100U	5.46	28.74
Arsenic	0.0583	mg/L	0.0800	72.86	69.79-148.76	0.00100U	3.65	23.88
Beryllium	0.0719	mg/L	0.0800	89.91	90.41-153.43	0.000500U	1.24	23.63
Cadmium	0.0600	mg/L	0.0800	74.99	74.04-138.49	0.00100U	4.66	24.44
Chromium	0.0556	mg/L	0.0800	69.53	63.98-143.93	0.00100U	2.80	24.04
Copper	0.250	mg/L	0.0800	63.89	49.86-141.65	0.199	2.53	24.86
Lead	0.0616	mg/L	0.0800	73.24	65.33-149.14	0.00296	6.78	25.57
Nickel	0.0588	mg/L	0.0800	69.34	59.18-140.06	0.00328	6.79	24.62
Selenium	0.0590	mg/L	0.0800	73.69	60.93-152.53	0.00200U	10.51	27.01
Silver	0.0520	mg/L	0.0800	64.95	45.71-147.09	0.000500U	5.21	29.08
Thallium	0.0543	mg/L	0.0800	67.88	74.90-159.54	0.00100U	6.24	26.75
Zinc	0.0887	mg/L	0.0800	77.70	49.35-144.25	0.0266	13.06	25.37

Quality Control Batch: 10098007 **Analyst: VLB**

Blank	Result	Units

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Quality Control Batch: 10098007 **Analyst:** VLB

Blank	**Result**	**Units**						
Chloride	5.00U	mg/L						
Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**			
Chloride	18.8	mg/L	20.0	94.00	80.00-120.00			
Matrix Spike	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**		
Chloride	58.9	mg/L	50.0	104.41	80.00-120.00	6.69		
Matrix Spike Duplicate	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**	**RPD**	**RPD Lim**
Chloride	58.3	mg/L	50.0	103.31	80.00-120.00	6.69	0.94	20.00

Quality Control Batch: 10098058 **Analyst:** PCW

Blank	**Result**	**Units**						
Sulfate	5.00U	mg/L						
Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**			
Sulfate	62.5	mg/L	60.0	104.17	92.07-106.18			
Matrix Spike	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**		
Sulfate	52.6	mg/L	50.0	103.28	45.70-149.77	0.960		
Matrix Spike Duplicate	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**	**RPD**	**RPD Lim**
Sulfate	51.6	mg/L	50.0	101.28	45.70-149.77	0.960	1.92	7.80

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Narrative Report

Sample Handling
Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control
Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments
Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 1/17/08 Page: 1 of 1

Network Project Manager: Jacinta Tenorio

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Albuquerque, NM 87107
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ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Ca, Mg, K, Na, Hardness	TOC	Gen Chemistry: SO4, Cl, TDS	Conductivity	Alk + Bicarb	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
GBR-52/801070-01	1/14/08	1404	GW	577276W1						X		X	X	X													
GRW-6/ -02	"	1536	↓	577276W2						X		X	X	X						X							
Influent/ -03	1/15/08	0925	WW	577277WW1						X		X	X	X													
SHS9/ -04	↓	1200	GW	577276W3						X		X	X	X													
GBR-50/ -05	↓	1652		577276W4	X					X		X	X	X													
GBR-24D/ -06	1/14/08	1355		577276W5						X		X	X	X						X							
GBR-31/ -07	"	1520	↓	577276W6						X		X	X	X						X							

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT #:	801070	Total Number of Containers	
PROJ. NAME:	LODE	Chain of Custody Seals	
QC LEVEL:	STD IV	Received Intact?	
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold	
TAT:	STANDARD RUSH!!	LAB NUMBER:	
DUE DATE:	1/31		
RUSH SURCHARGE:	—		
CLIENT DISCOUNT:	—		
SPECIAL CERTIFICATION REQUIRED: YES (NO)			

COMMENTS:

SAMPLES SENT TO:	
PENSACOLA - STL-FL	
ESL - OR	
ATEL - AZ	
ATEL - MARION	
ATEL - MELMORE	
FCL	X
EHL	
GEL	
WCAS	
WOHL	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1700	Signature: Time:
Printed Name: Date: 1/17/08	Printed Name: Date:
Pinnacle Laboratories, Inc.	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**
Signature: Time: 19:00	Signature: Time:
Printed Name: Date: 1/18/08	Printed Name: Date:
Company FCL 2.5°C	Company

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 1/16/08 PAGE: 1 OF 1

PLI Accession#: 801070

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER:	Martin Nee
COMPANY:	Lodestar Services
ADDRESS:	26 Rd 3500 Flora Vista NM
PHONE:	505-334-2791
FAX:	
BILL TO:	Bill Robertson
COMPANY:	Giant
ADDRESS:	111 CR 4990 Bloomfield NM 87413

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	Hardness, Ca, Mg, K, Na	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	601/602	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/3081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry: pH SO4 Cl	AK, GR, TDS EC	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:	NUMBER OF CONTAINERS
GBR-52	011408	1404	GW	01			X									X								X	X						5
GRW-6	011408	1536	GW	02			X									X								X	X						5
Influent	011508	0925	GW	03			X									X								X	X						5
SHS-9	011508	1200	GW	04			X									X								X	X						5
GBR-50	011508	1652	GW	05			X									X								X	X						5
GBR-24D	011608	1355	GW	06			X									X							X	X	X	X					6
GBR-31	011608	1520	GW	07			X									X							X	X	X						4

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION	
PROJ. NO.:	
PROJ. NAME:	Former Refin
P.O. NO.:	
SHIPPED VIA:	UPS

SAMPLE RECEIPT	
NO. CONTAINERS:	42
CUSTODY SEALS	Y (N) NA
RECEIVED INTACT	YES
BLUE ICE/ICE	3.8 C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐1 WEEK (NORMAL) ☒
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ | METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Time: 1730	Signature: Time:
Printed Name: Date: 1/16/08	Printed Name: Date:
Company: Lodestar	Company:
See Reverse side (Force Majeure)	
RECEIVED BY: 1.	RECEIVED BY: (LAB) 2.
Signature: Time:	Signature: Time: 1034
Printed Name: Date:	Printed Name: Date: 1/17/08
Company:	Pinnacle Laboratories Inc.

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DISTRIBUTION: White - PLI, Canary - Originator

Cation-Anion Balance Worksheet

Accession Number: 801070-01

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	236		
Chloride	0	0.02821	0.00000
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1330	0.02082	27.69060
Carbonate	0	0.03333	0.00000
Bi-Carbonate	235	0.01639	3.85165
	Total Anions =		**31.54225**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	29.4	0.04990	1.46706
Potassium	54.5	0.02558	1.39411
Magnesium	5.96	0.08229	0.49045
Sodium	1200	0.04350	52.20000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**55.5516184**

Anion/Cation Balance (% difference) =	27.6%	
Total Anions+Cations =	2761 mg/l	(calculated)
Total Dissolved Solids =	2740 mg/l	(measured)
TDS/ion sum ratio =	0.99	
Electrical Cond =	3400 umh/cm	(measured)
TDS/EC ratio =	0.806	

Cation-Anion Balance Worksheet

Accession Number: 801070-02

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	613		
Chloride	65.4	0.02821	1.84493
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	957	0.02082	19.92474
Carbonate	1.48	0.03333	0.04933
Bi-Carbonate	611	0.01639	10.01429
	Total Anions =		**31.8332924**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	257	0.04990	12.82430
Potassium	2.79	0.02558	0.07137
Magnesium	24.8	0.08229	2.04079
Sodium	451	0.04350	19.61850
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**34.5549602**

Anion/Cation Balance (% difference) =	4.1%	
Total Anions+Cations =	2126 mg/l	(calculated)
Total Dissolved Solids =	2180 mg/l	(measured)
TDS/ion sum ratio =	1.03	
Electrical Cond =	3190 umh/cm	(measured)
TDS/EC ratio =	0.683	

Cation-Anion Balance Worksheet

Accession Number: 801070-03

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	510		
Chloride	82	0.02821	2.31322
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	920	0.02082	19.15440
Carbonate	0	0.03333	0.00000
Bi-Carbonate	509	0.01639	8.34251
	Total Anions =		**29.81013**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	264	0.04990	13.17360
Potassium	3.13	0.02558	0.08007
Magnesium	25.1	0.08229	2.06548
Sodium	466	0.04350	20.27100
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**35.5901444**

Anion/Cation Balance (% difference) =	8.8%	
Total Anions+Cations =	2066 mg/l	(calculated)
Total Dissolved Solids =	2470 mg/l	(measured)
TDS/ion sum ratio =	1.20	
Electrical Cond =	3240 umh/cm	(measured)
TDS/EC ratio =	0.762	

Cation-Anion Balance Worksheet

Accession Number: 801070-04

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	224		
Chloride	101	0.02821	2.84921
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	73.6	0.02082	1.53235
Carbonate	0	0.03333	0.00000
Bi-Carbonate	224	0.01639	3.67136
	Total Anions =		**8.052922**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	159	0.04990	7.93410
Potassium	3	0.02558	0.07674
Magnesium	38.6	0.08229	3.17639
Sodium	399	0.04350	17.35650
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**28.543734**

Anion/Cation Balance (% difference) = 56.0%

Total Anions+Cations =	909 mg/l	(calculated)
Total Dissolved Solids =	1370 mg/l	(measured)
TDS/ion sum ratio =	1.51	
Electrical Cond =	2290 umh/cm	(measured)
TDS/EC ratio =	0.598	

Cation-Anion Balance Worksheet

Accession Number: 801070-05

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	224		
Chloride	46.5	0.02821	1.31177
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1380	0.02082	28.73160
Carbonate	0	0.03333	0.00000
Bi-Carbonate	224	0.01639	3.67136
	Total Anions =		**33.714725**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	326	0.04990	16.26740
Potassium	2.56	0.02558	0.06548
Magnesium	25	0.08229	2.05725
Sodium	320	0.04350	13.92000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**32.3101348**

Anion/Cation Balance (% difference) =	2.1%	
Total Anions+Cations =	2234 mg/l	(calculated)
Total Dissolved Solids =	2830 mg/l	(measured)
TDS/ion sum ratio =	1.27	
Electrical Cond =	3420 umh/cm	(measured)
TDS/EC ratio =	0.827	

Cation-Anion Balance Worksheet

Accession Number: 801070-06

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	569		
Chloride	102	0.02821	2.87742
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1600	0.02082	33.31200
Carbonate	0	0.03333	0.00000
Bi-Carbonate	568	0.01639	9.30952
	Total Anions =		**45.49894**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	501	0.04990	24.99990
Potassium	7	0.02558	0.17906
Magnesium	68.7	0.08229	5.65332
Sodium	501	0.04350	21.79350
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**52.625783**

Anion/Cation Balance (% difference) =	7.3%	
Total Anions+Cations =	3121 mg/l	(calculated)
Total Dissolved Solids =	3660 mg/l	(measured)
TDS/ion sum ratio =	1.17	
Electrical Cond =	4560 umh/cm	(measured)
TDS/EC ratio =	0.803	

Cation-Anion Balance Worksheet

Accession Number: 801070-07

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	261		
Chloride	79.4	0.02821	2.23987
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1360	0.02082	28.31520
Carbonate	0	0.03333	0.00000
Bi-Carbonate	261	0.01639	4.27779
	Total Anions =		**34.832864**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	407	0.04990	20.30930
Potassium	3.59	0.02558	0.09183
Magnesium	34.6	0.08229	2.84723
Sodium	436	0.04350	18.96600
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**42.2143662**

Anion/Cation Balance (% difference) =	9.6%	
Total Anions+Cations =	2477 mg/l	(calculated)
Total Dissolved Solids =	2890 mg/l	(measured)
TDS/ion sum ratio =	1.17	
Electrical Cond =	3650 umh/cm	(measured)
TDS/EC ratio =	0.792	

Pinnacle Lab ID number **801104**
February 29, 2008

LODESTAR
26 CR 3500
FLORA VISTA, NM 87415

Project Name GIANT FORMER REFINERY
Project Number (NONE)

Attention: MARTIN NEE/BILL ROBERTS

On 01/22/2008 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Methods 601/602 and 150.1 analyses were performed by Pinnacle Laboratories, Inc. (PLI).

All remaining analyses were performed by Flowers Chemical Laboratories, Inc. (FCL), Altamonte Springs, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

CLIENT	: LODESTAR	PINNACLE ID	: 801104
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/2008
PROJECT NAME	: GIANT FORMER REFINERY	REPORT DATE	: 02/29/2008

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
801104 - 01	SHS-1	AQUEOUS	01/18/2008
801104 - 02	SHS-2	AQUEOUS	01/18/2008
801104 - 03	SHS-5	AQUEOUS	01/18/2008
801104 - 04	SHS-8	AQUEOUS	01/18/2008
801104 - 05	SHS-18	AQUEOUS	01/18/2008
801104 - 06	GBR-48	AQUEOUS	01/21/2008
801104 - 07	GBR-32	AQUEOUS	01/21/2008

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR	PINNACLE I.D.	: 801104
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
01	SHS-1	AQUEOUS	01/18/08	01/22/08
02	SHS-2	AQUEOUS	01/18/08	01/22/08
03	SHS-5	AQUEOUS	01/18/08	01/22/08

PARAMETER	SHS-1	SHS-2	SHS-5
PH (150.1)	7.3	6.9	7.3
TEMPERATURE (°C)	16.0	17.0	17.8

CHEMIST NOTES:

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR	PINNACLE I.D.	: 801104
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
04	SHS-8	AQUEOUS	01/18/08	01/22/08
05	SHS-18	AQUEOUS	01/18/08	01/22/08
06	GBR-48	AQUEOUS	01/21/08	01/22/08

PARAMETER	SHS-8	SHS-18	GBR-48
PH (150.1)	6.6	7.4	7.6
TEMPERATURE (°C)	18.3	18.5	18.2

CHEMIST NOTES:

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR	PINNACLE I.D.	: 801104
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
07	GBR-32	AQUEOUS	01/21/08	01/22/08

PARAMETER	GBR-32
PH (150.1)	7.4
TEMPERATURE (°C)	18.7

CHEMIST NOTES:
N/A

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: LODESTAR	PINNACLE I.D.	: 801104
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT FORMER REFINERY	DATE ANALYZED	: 01/22/08

PARAMETER	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH (150.1)	801104-04	6.62	6.65	0
TEMPERATURE (°C)		18.3	17.8	

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GC/MS RESULTS

TEST	: EPA 601/602 BY 624		
CLIENT	: LODESTAR	PINNACLE I.D. :	801104
PROJECT #	: (NONE)	DATE RECEIVED :	01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST :	ARM

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE ANALYZED	DIL. FACTOR
801104-01	SHS-1	AQUEOUS	01/18/08	02/01/08 14:30	1

PARAMETER	DET. LIMIT		UNITS
Chloromethane	5.0	< 5.0	ug/L
Vinyl Chloride	5.0	< 5.0	ug/L
Bromomethane	5.0	< 5.0	ug/L
Chloroethane	5.0	< 5.0	ug/L
Trichlorofluoromethane	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
B[redacted]ne	1.0	< 1.0	ug/L
1[redacted]hloroethane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
Bromoform	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	2.0	< 2.0	ug/L
1,3-Dichlorobenzene	1.0	< 1.0	ug/L
1,4-Dichlorobenzene	1.0	< 1.0	ug/L
1,2-Dichlorobenzene	1.0	< 1.0	ug/L
Total Xylenes	3.0	< 3.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	86 (76 - 114)
Toluene-d8	**83 S4** (88 - 110)
Bromofluorobenzene	86 (86 - 115)

S4 = Surrogate out due to confirmed matrix effects.

GC/MS RESULTS

TEST	: EPA 601/602 BY 624		
CLIENT	: LODESTAR	PINNACLE I.D. :	801104
PROJECT #	: (NONE)	DATE RECEIVED :	01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST :	ARM

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE ANALYZED	DIL. FACTOR
801104-02	SHS-2	AQUEOUS	01/18/08	02/01/08 13:36	5

PARAMETER	DET. LIMIT		UNITS
Chloromethane	5.0	< 25	ug/L
Vinyl Chloride	5.0	< 25	ug/L
Bromomethane	5.0	< 25	ug/L
Chloroethane	5.0	< 25	ug/L
Trichlorofluoromethane	5.0	< 25	ug/L
1,1-Dichloroethene	1.0	< 5.0	ug/L
Methylene Chloride	1.0	< 5.0	ug/L
trans-1,2-Dichloroethene	1.0	< 5.0	ug/L
1,1-Dichloroethane	1.0	< 5.0	ug/L
cis-1,2-Dichloroethene	1.0	< 5.0	ug/L
Chloroform	1.0	< 5.0	ug/L
1,1,1-Trichloroethane	1.0	< 5.0	ug/L
Carbon Tetrachloride	1.0	< 5.0	ug/L
Benzene	1.0	< 5.0	ug/L
1,2-Dichloroethane	1.0	< 5.0	ug/L
Trichloroethene	1.0	< 5.0	ug/L
1,2-Dichloropropane	1.0	< 5.0	ug/L
Bromodichloromethane	1.0	< 5.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 50	ug/L
cis-1,3-Dichloropropene	1.0	< 5.0	ug/L
Toluene	1.0	< 5.0	ug/L
trans-1,3-Dichloropropene	1.0	< 5.0	ug/L
1,1,2-Trichloroethane	1.0	< 5.0	ug/L
Tetrachloroethene	1.0	< 5.0	ug/L
Dibromochloromethane	1.0	< 5.0	ug/L
Chlorobenzene	1.0	< 5.0	ug/L
Ethylbenzene	1.0	< 5.0	ug/L
Bromoform	1.0	< 5.0	ug/L
1,1,2,2-Tetrachloroethane	2.0	< 10	ug/L
1,3-Dichlorobenzene	1.0	< 5.0	ug/L
1,4-Dichlorobenzene	1.0	< 5.0	ug/L
1,2-Dichlorobenzene	1.0	< 5.0	ug/L
Total Xylenes	3.0	< 15	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	102 (76 - 114)
Toluene-d8	99 (88 - 110)
Bromofluorobenzene	100 (86 - 115)

GC/MS RESULTS

TEST	: EPA 601/602 BY 624		
CLIENT	: LODESTAR	PINNACLE I.D. :	801104
PROJECT #	: (NONE)	DATE RECEIVED :	01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST :	ARM

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE ANALYZED	DIL. FACTOR
801104-03	SHS-5	AQUEOUS	01/18/08	02/01/08 14:04	1

PARAMETER	DET. LIMIT		UNITS
Chloromethane	5.0	< 5.0	ug/L
Vinyl Chloride	5.0	< 5.0	ug/L
Bromomethane	5.0	< 5.0	ug/L
Chloroethane	5.0	< 5.0	ug/L
Trichlorofluoromethane	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Ba[redacted]ne	1.0	< 1.0	ug/L
1[redacted]chloroethane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
Bromoform	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	2.0	< 2.0	ug/L
1,3-Dichlorobenzene	1.0	< 1.0	ug/L
1,4-Dichlorobenzene	1.0	< 1.0	ug/L
1,2-Dichlorobenzene	1.0	< 1.0	ug/L
Total Xylenes	3.0	< 3.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	**72 S4** (76 - 114)
Toluene-d8	**72 S4** (88 - 110)
Bromofluorobenzene	**74 S4** (86 - 115)

S4 = Surrogate out due to confirmed matrix effects.

GC/MS RESULTS

TEST	: EPA 601/602 BY 624		
CLIENT	: LODESTAR	PINNACLE I.D. :	801104
PROJECT #	: (NONE)	DATE RECEIVED :	01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST :	ARM

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE ANALYZED	DIL. FACTOR
801104-04	SHS-8	AQUEOUS	01/18/08	02/01/08 13:10	5

PARAMETER	DET. LIMIT		UNITS
Chloromethane	5.0	< 25	ug/L
Vinyl Chloride	5.0	< 25	ug/L
Bromomethane	5.0	< 25	ug/L
Chloroethane	5.0	< 25	ug/L
Trichlorofluoromethane	5.0	< 25	ug/L
1,1-Dichloroethene	1.0	< 5.0	ug/L
Methylene Chloride	1.0	< 5.0	ug/L
trans-1,2-Dichloroethene	1.0	< 5.0	ug/L
1,1-Dichloroethane	1.0	< 5.0	ug/L
cis-1,2-Dichloroethene	1.0	< 5.0	ug/L
Chloroform	1.0	< 5.0	ug/L
1,1,1-Trichloroethane	1.0	< 5.0	ug/L
Carbon Tetrachloride	1.0	< 5.0	ug/L
Benzene	1.0	< 5.0	ug/L
1,2-Dichloroethane	1.0	< 5.0	ug/L
Trichloroethene	1.0	< 5.0	ug/L
1,2-Dichloropropane	1.0	< 5.0	ug/L
Bromodichloromethane	1.0	< 5.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 50	ug/L
cis-1,3-Dichloropropene	1.0	< 5.0	ug/L
Toluene	1.0	< 5.0	ug/L
trans-1,3-Dichloropropene	1.0	< 5.0	ug/L
1,1,2-Trichloroethane	1.0	< 5.0	ug/L
Tetrachloroethene	1.0	< 5.0	ug/L
Dibromochloromethane	1.0	< 5.0	ug/L
Chlorobenzene	1.0	< 5.0	ug/L
Ethylbenzene	1.0	< 5.0	ug/L
Bromoform	1.0	< 5.0	ug/L
1,1,2,2-Tetrachloroethane	2.0	< 10	ug/L
1,3-Dichlorobenzene	1.0	< 5.0	ug/L
1,4-Dichlorobenzene	1.0	< 5.0	ug/L
1,2-Dichlorobenzene	1.0	< 5.0	ug/L
Total Xylenes	3.0	< 15	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	99
	(76 - 114)
Toluene-d8	100
	(88 - 110)
Bromofluorobenzene	102
	(86 - 115)

GC/MS RESULTS

TEST	: EPA 601/602 BY 624		
CLIENT	: LODESTAR	PINNACLE I.D. :	801104
PROJECT #	: (NONE)	DATE RECEIVED :	01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST :	ARM

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE ANALYZED	DIL. FACTOR
801104-05	SHS-18	AQUEOUS	01/18/08	02/01/08 12:43	1

PARAMETER	DET. LIMIT		UNITS
Chloromethane	5.0	< 5.0	ug/L
Vinyl Chloride	5.0	< 5.0	ug/L
Bromomethane	5.0	< 5.0	ug/L
Chloroethane	5.0	< 5.0	ug/L
Trichlorofluoromethane	**5.0**	**17**	**ug/L**
1,1-Dichloroethene	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Benzene	1.0	< 1.0	ug/L
1,2-Dichloroethane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
Bromoform	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	2.0	< 2.0	ug/L
1,3-Dichlorobenzene	1.0	< 1.0	ug/L
1,4-Dichlorobenzene	1.0	< 1.0	ug/L
1,2-Dichlorobenzene	1.0	< 1.0	ug/L
Total Xylenes	3.0	< 3.0	ug/L

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4	**52 S4**	(76 - 114)
Toluene-d8	**51 S4**	(88 - 110)
Bromofluorobenzene	**54 S4**	(86 - 115)

S4 = Surrogate out due to confirmed matrix effects.

GC/MS RESULTS

TEST	: EPA 601/602 BY 624		
CLIENT	: LODESTAR	PINNACLE I.D. :	801104
PROJECT #	: (NONE)	DATE RECEIVED :	01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST :	ARM

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE ANALYZED	DIL. FACTOR
801104-06	GBR-48	AQUEOUS	01/21/08	02/01/08 16:18	1

PARAMETER	DET. LIMIT		UNITS
Chloromethane	5.0	< 5.0	ug/L
Vinyl Chloride	5.0	< 5.0	ug/L
Bromomethane	5.0	< 5.0	ug/L
Chloroethane	5.0	< 5.0	ug/L
Trichlorofluoromethane	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
Benzene	1.0	< 1.0	ug/L
1,2-Dichloroethane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
Bromoform	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	2.0	< 2.0	ug/L
1,3-Dichlorobenzene	1.0	< 1.0	ug/L
1,4-Dichlorobenzene	1.0	< 1.0	ug/L
1,2-Dichlorobenzene	1.0	< 1.0	ug/L
Total Xylenes	3.0	< 3.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	85 (76 - 114)
Toluene-d8	**86 S1** (88 - 110)
Bromofluorobenzene	86 (86 - 115)

S1 = Surrogate does not meet PLI criteria - low.

GC/MS RESULTS

TEST	: EPA 601/602 BY 624		
CLIENT	: LODESTAR	PINNACLE I.D. :	801104
PROJECT #	: (NONE)	DATE RECEIVED :	01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST :	ARM

SAMPLE ID #	CLIENT ID	MATRIX	DATE SAMPLED	DATE ANALYZED	DIL. FACTOR
801104-07	GBR-32	AQUEOUS	01/21/08	02/01/08 16:44	1

PARAMETER	DET. LIMIT		UNITS
Chloromethane	5.0	< 5.0	ug/L
Vinyl Chloride	5.0	< 5.0	ug/L
Bromomethane	5.0	< 5.0	ug/L
Chloroethane	5.0	< 5.0	ug/L
Trichlorofluoromethane	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
B[redacted]ne	1.0	< 1.0	ug/L
1[redacted]chloroethane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
Tetrachloroethene	**1.0**	**1.1**	**ug/L**
Dibromochloromethane	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
Bromoform	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	2.0	< 2.0	ug/L
1,3-Dichlorobenzene	1.0	< 1.0	ug/L
1,4-Dichlorobenzene	1.0	< 1.0	ug/L
1,2-Dichlorobenzene	1.0	< 1.0	ug/L
Total Xylenes	3.0	< 3.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	**53 S1** (76 - 114)
Toluene-d8	**54 S1** (88 - 110)
Bromofluorobenzene	**56 S1** (86 - 115)

S1 = Surrogate does not meet PLI criteria - low.

GC/MS RESULTS

TEST	: EPA 601/602 BY 624		
CLIENT	: LODESTAR	PINNACLE I.D. :	801104
PROJECT #	: (NONE)		
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST :	ARM

SAMPLE ID #	BATCH	MATRIX	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
METHOD BLANK	020108E	AQUEOUS	N/A	02/01/08	1

PARAMETER	DET. LIMIT		UNITS
Chloromethane	5.0	< 5.0	ug/L
Vinyl Chloride	5.0	< 5.0	ug/L
Bromomethane	5.0	< 5.0	ug/L
Chloroethane	5.0	< 5.0	ug/L
Trichlorofluoromethane	5.0	< 5.0	ug/L
1,1-Dichloroethene	1.0	< 1.0	ug/L
Methylene Chloride	1.0	< 1.0	ug/L
trans-1,2-Dichloroethene	1.0	< 1.0	ug/L
1,1-Dichloroethane	1.0	< 1.0	ug/L
cis-1,2-Dichloroethene	1.0	< 1.0	ug/L
Chloroform	1.0	< 1.0	ug/L
1,1,1-Trichloroethane	1.0	< 1.0	ug/L
Carbon Tetrachloride	1.0	< 1.0	ug/L
B[redacted]ne	1.0	< 1.0	ug/L
1[redacted]hloroethane	1.0	< 1.0	ug/L
Trichloroethene	1.0	< 1.0	ug/L
1,2-Dichloropropane	1.0	< 1.0	ug/L
Bromodichloromethane	1.0	< 1.0	ug/L
2-Chloroethyl Vinyl Ether	10	< 10	ug/L
cis-1,3-Dichloropropene	1.0	< 1.0	ug/L
Toluene	1.0	< 1.0	ug/L
trans-1,3-Dichloropropene	1.0	< 1.0	ug/L
1,1,2-Trichloroethane	1.0	< 1.0	ug/L
Tetrachloroethene	1.0	< 1.0	ug/L
Dibromochloromethane	1.0	< 1.0	ug/L
Chlorobenzene	1.0	< 1.0	ug/L
Ethylbenzene	1.0	< 1.0	ug/L
Bromoform	1.0	< 1.0	ug/L
1,1,2,2-Tetrachloroethane	2.0	< 2.0	ug/L
1,3-Dichlorobenzene	1.0	< 1.0	ug/L
1,4-Dichlorobenzene	1.0	< 1.0	ug/L
1,2-Dichlorobenzene	1.0	< 1.0	ug/L
Total Xylenes	3.0	< 3.0	ug/L

SURROGATE % RECOVERY	
1,2-Dichloroethane-d4	102
	(76 - 114)
Toluene-d8	105
	(88 - 110)
Bromofluorobenzene	110
	(86 - 115)

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RESULTS

TEST	: EPA 601/602 BY 624	PINNACLE I.D.	: 801104
SPIKED SAMPLE	: 801104-04 [5X]	DATE ANALYZED	: 02/01/08
CLIENT	: LODESTAR	UNITS	: ug/L (PPB)
PROJECT #	: (NONE)	INSTRUMENT	: GCMS-1
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST	: ARM

COMPOUND	SAMPLE CONC.	SPIKE ADDED	MS RESULT	MSD RESULT	MS %REC	MSD %REC	RPD	QC LIMITS RPD	QC LIMITS %RECOVERY
Chloromethane	<5.0	100	80.4	77.9	80	78	3	20	D-273
Vinyl Chloride	<5.0	100	83.4	82.5	83	82	1	20	D-251
Bromomethane	<5.0	100	86.0	87.6	86	88	2	20	D-242
Chloroethane	<5.0	100	80.0	84.1	80	84	5	20	14-230
Trichlorofluoromethane	<5.0	100	73.2	78.6	73	79	7	20	17-181
1,1-Dichloroethene	<1.0	100	87.9	90.8	88	91	3	14	D-234
Methylene Chloride	<1.0	100	97.3	97.6	97	98	0	20	D-221
trans-1,2-Dichloroethene	<1.0	100	97.9	97.4	98	97	1	20	54-156
1,1-Dichloroethane	<1.0	100	97.6	98.8	98	99	1	20	59-155
cis-1,2-Dichloroethene	<1.0	100	101	99.4	101	99	1	20	54-156
Chloroform	<1.0	100	94.6	95.4	95	95	1	20	51-138
1,1,1-Trichloroethane	<1.0	100	89.9	93.6	90	94	4	20	52-162
Carbon Tetrachloride	<1.0	100	93.2	90.4	93	90	3	20	70-140
Benzene	<1.0	100	97.6	97.6	98	98	0	11	37-151
1,2-Dichloroethane	<1.0	100	95.2	98.1	95	98	3	20	49-155
Trichloroethene	<1.0	100	92.9	96.2	93	96	4	14	71-157
1,2-Dichloropropane	<1.0	100	97.4	101	97	101	3	20	D-210
Bromodichloromethane	<1.0	100	93.2	95.5	93	96	2	20	35-155
2-Chloroethyl Vinyl Ether	<10	100	NR	NR	NR	NR	M7	20	D - 305
cis-1,3-Dichloropropene	<1.0	100	96.7	97.2	97	97	1	20	D-227
Toluene	<1.0	100	96.3	98.1	96	98	2	13	47-150
trans-1,3-Dichloropropene	<1.0	100	95.9	98.5	96	99	3	20	17-183
1,1,2-Trichloroethane	<1.0	100	106	107	106	107	1	20	52-150
Tetrachloroethene	<1.0	100	67.4	62.1	67	**62 M4**	8	20	64-148
Dibromochloromethane	<1.0	100	102	105	102	105	3	20	53-149
Chlorobenzene	<1.0	100	104	102	104	102	1	13	37-160
Ethylbenzene	<1.0	100	100	96.4	100	96	4	20	37-162
Bromoform	<1.0	100	101	99.5	101	99	2	20	45-169
1,1,2,2-Tetrachloroethane	<2.0	100	113	119	113	119	6	20	46-157
1,3-Dichlorobenzene	<1.0	100	103	96.0	103	96	7	20	59-156
1,4-Dichlorobenzene	<1.0	100	105	97.9	105	98	7	20	18-190
1,2-Dichlorobenzene	<1.0	100	105	96.5	105	97	8	20	18-190

M7 = Values cannot be accurately calculated.
M4 = %REC is outside of PLI criteria.
Chemist Note: 2-Chloroethyl Vinyl Ether was not found due to sample preservation at pH<2.

FLOWERS CHEMICAL LABORATORIES INC.

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801104
Client Project #: LODE
Date Sampled: Jan 18, 2008
Feb 26, 2008; Invoice: 57958

Report Summary

Date Received: Jan 23, 2008

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
57958GW1	SHS-1/801104-01	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2340B	EVB	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57958GW2	SHS-2/801104-02	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2340B	EVB	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57958GW3	SHS-5/801104-03	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2340B	EVB	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57958GW4	SHS-8/801104-04	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2340B	EVB	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57958GW5	SHS-18/801104-05	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2340B	EVB	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57958GW6	GBR-48/801104-06	EPA120.1	LCC	Main Lab	Ground Water
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2340B	EVB	Main Lab	

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2709 D Pan American Freeway NE
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PO #: 801104
Client Project #: LODE
Date Sampled: Jan 18, 2008
Feb 26, 2008; Invoice: 57958

		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57958GW7	GBR-32/801104-07	EPA120.1	LCC	Main Lab	Ground Water
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2340B	EVB	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	

Certificate of Results
Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

ACCREDITED IN ACCORDANCE WITH

Jefferson S. Flowers, Ph.D.
President/Technical Director

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801104
Client Project #: LODE
Date Sampled: Jan 18, 2008
Feb 26, 2008; Invoice: 57958

Analysis Report

Lab #: 57958GW1 Sampled: 01/18/08 10:49 AMDesc: SHS-1/801104-01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium	82.3	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-70-2	01/23/08
Magnesium	17.9	mg/L	1.00	0.0100	0.0200	10097239	EPA6010	7439-95-4	01/23/08
Potassium	2.29	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-09-7	01/23/08
Sodium	383	mg/L	1.00	0.500	1.00	10097239	EPA6010	7440-23-5	01/23/08
Total Hardness (as CaCO3)	251	mg/L	1.00	0.100	0.200	10097240	SM2340B	40-11-9	01/23/08
TDS	1170	mg/L	1.00	2.50	5.00	10097320	SM2540C	10-33-3	01/24/08
Specific_Conductance	1950	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	1010	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	1.80	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	1010	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	94.2	mg/L	1.00	5.00	10.0	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	69.5 I	mg/L	10.0	50.0	100	10098055	EPA375.2	14808-79-8	02/06/08

Lab #: 57958GW2 Sampled: 01/18/08 12:53 PMDesc: SHS-2/801104-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium	465	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-70-2	01/23/08
Magnesium	118	mg/L	1.00	0.0100	0.0200	10097239	EPA6010	7439-95-4	01/23/08
Potassium	7.93	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-09-7	01/23/08
Sodium	505	mg/L	1.00	0.500	1.00	10097239	EPA6010	7440-23-5	01/23/08
Total Hardness (as CaCO3)	1480	mg/L	1.00	0.100	0.200	10097240	SM2340B	40-11-9	01/23/08
TDS	4090	mg/L	1.00	2.50	5.00	10097320	SM2540C	10-33-3	01/24/08
Specific_Conductance	4760	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	389	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	389	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08

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PO #: 801104
Client Project #: LODE
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Feb 26, 2008; Invoice: 57958

Lab #: 57958GW2 Sampled: 01/18/08 12:53 PMDesc: SHS 2/801104-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	100	mg/L	1.00	5.00	10.0	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	2200	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

Lab #: 57958GW3 Sampled: 01/18/08 01:32 PMDesc: SHS 5/801104-03

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium	405	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-70-2	01/23/08
Magnesium	33.6	mg/L	1.00	0.0100	0.0200	10097239	EPA6010	7439-95-4	01/23/08
Potassium	4.03	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-09-7	01/23/08
Sodium	312	mg/L	1.00	0.500	1.00	10097239	EPA6010	7440-23-5	01/23/08
Total Hardness (as CaCO3)	1030	mg/L	1.00	0.100	0.200	10097240	SM2340B	40-11-9	01/23/08
TDS	2530	mg/L	1.00	2.50	5.00	10097320	SM2540C	10-33-3	01/24/08
Specific_Conductance	3010	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	251	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	251	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	62.8	mg/L	1.00	5.00	10.0	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	1200	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

Lab #: 57958GW4 Sampled: 01/18/08 02:22 PMDesc: SHS 6/801104-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium	105	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-70-2	01/23/08
Magnesium	15.6	mg/L	1.00	0.0100	0.0200	10097239	EPA6010	7439-95-4	01/23/08
Potassium	5.55	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-09-7	01/23/08
Sodium	310	mg/L	1.00	0.500	1.00	10097239	EPA6010	7440-23-5	01/23/08
Total Hardness (as CaCO3)	295	mg/L	1.00	0.100	0.200	10097240	SM2340B	40-11-9	01/23/08
TDS	1070	mg/L	1.00	2.50	5.00	10097320	SM2540C	10-33-3	01/24/08
Specific_Conductance	1970	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	652	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08

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Lab #: 57958GW4 Sampled: 01/18/08 02:22 PMDesc: SH5-8/801104-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	653	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	186	mg/L	10.0	50.0	100	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	77.9 I	mg/L	10.0	50.0	100	10098055	EPA375.2	14808-79-8	02/06/08

Lab #: 57958GW5 Sampled: 01/18/08 03:36 PMDesc: SH6-18/801104-05

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium	166	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-70-2	01/23/08
Magnesium	19.6	mg/L	1.00	0.0100	0.0200	10097239	EPA6010	7439-95-4	01/23/08
Potassium	2.70	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-09-7	01/23/08
Sodium	424	mg/L	1.00	0.500	1.00	10097239	EPA6010	7440-23-5	01/23/08
Total Hardness (as CaCO3)	445	mg/L	1.00	0.100	0.200	10097240	SM2340B	40-11-9	01/23/08
TDS	1570	mg/L	1.00	2.50	5.00	10097320	SM2540C	10-33-3	01/24/08
Specific_Conductance	2530	umhos/cm	1.00	1.00	2.00	10097393	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	903	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	1.24	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	904	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	98.6	mg/L	1.00	5.00	10.0	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	401	mg/L	10.0	50.0	100	10098055	EPA375.2	14808-79-8	02/06/08

Lab #: 57958GW6 Sampled: 01/21/08 09:43 AMDesc: GBR-46/801104-06

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium	167	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-70-2	01/23/08
Magnesium	17.8	mg/L	1.00	0.0100	0.0200	10097239	EPA6010	7439-95-4	01/23/08
Potassium	3.89	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-09-7	01/23/08
Sodium	266	mg/L	1.00	0.500	1.00	10097239	EPA6010	7440-23-5	01/23/08
Total Hardness (as CaCO3)	490	mg/L	1.00	0.100	0.200	10097240	SM2340B	40-11-9	01/23/08

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Lab #: 57958GW6 Sampled: 01/21/08 09:43 AMDesc: GBR-45/801104-06

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	1460	mg/L	1.00	2.50	5.00	10097320	SM2540C	10-33-3	01/24/08
Specific_Conductance	2230	umhos/cm	1.00	1.00	2.00	10097393	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	272	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	273	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Mercury	0.0000170 U	mg/L	1.00	0.0000170	0.0000400	10097565	EPA245.1	7439-97-6	01/30/08
Antimony	0.00100 U	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-36-0	01/30/08
Arsenic	0.00340	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-38-2	01/30/08
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10097617	EPA200.8	7440-41-7	01/30/08
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-43-9	01/30/08
Chromium	1.32	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-47-3	01/30/08
Copper	0.0195	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-50-8	01/30/08
Lead	0.00464	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7439-92-1	01/30/08
Nickel	0.0804	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-02-0	01/30/08
Selenium	0.0399	mg/L	1.00	0.00200	0.00400	10097617	EPA200.8	7782-49-2	01/30/08
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10097617	EPA200.8	7440-22-4	01/30/08
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-28-0	01/30/08
Zinc	0.0233	mg/L	1.00	0.0100	0.0200	10097617	EPA200.8	7440-66-6	01/30/08
Chloride	114	mg/L	10.0	50.0	100	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	698	mg/L	10.0	50.0	100	10098065	EPA375.2	14808-79-8	02/06/08

Lab #: 57958GW7 Sampled: 01/21/08 10:36 AMDesc: GBR-32/801104-07

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium	454	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-70-2	01/23/08
Magnesium	49.5	mg/L	1.00	0.0100	0.0200	10097239	EPA6010	7439-95-4	01/23/08
Potassium	4.28	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-09-7	01/23/08
Sodium	665	mg/L	1.00	0.500	1.00	10097239	EPA6010	7440-23-5	01/23/08
Total Hardness (as CaCO3)	1340	mg/L	1.00	0.100	0.200	10097240	SM2340B	40-11-9	01/23/08

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PO #: 801104
Client Project #: LODE
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Feb 26, 2008; Invoice: 57958

Lab #: 57958GW7 Sampled: 01/21/08 10:38 AMDesc: GBR-32/801104-07

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	4270	mg/L	1.00	2.50	5.00	10097320	SM2540C	10-33-3	01/24/08
Specific_Conductance	5510	umhos/cm	1.00	1.00	2.00	10097393	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	357	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	2.52	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	359	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Mercury	0.0000170 U	mg/L	1.00	0.0000170	0.0000400	10097565	EPA245.1	7439-97-6	01/30/08
Antimony	0.00100 U	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-36-0	01/30/08
Arsenic	0.00551	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-38-2	01/30/08
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10097617	EPA200.8	7440-41-7	01/30/08
Cadmium	0.00202	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-43-9	01/30/08
Chromium	0.189	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-47-3	01/30/08
Copper	0.0284	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-50-8	01/30/08
Lead	0.00252	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7439-92-1	01/30/08
Nickel	0.123	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-02-0	01/30/08
Selenium	0.0393	mg/L	1.00	0.00200	0.00400	10097617	EPA200.8	7782-49-2	01/30/08
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10097617	EPA200.8	7440-22-4	01/30/08
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10097617	EPA200.8	7440-28-0	01/30/08
Zinc	0.279	mg/L	1.00	0.0100	0.0200	10097617	EPA200.8	7440-66-6	01/30/08
Chloride	104	mg/L	1.00	5.00	10.0	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	1750	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

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Quality Report

Quality Control Batch: 10097239 **Analyst: EVB**

Blank	Result	Units
Calcium	0.100U	mg/L
Magnesium	0.0100U	mg/L
Potassium	0.100U	mg/L
Sodium	0.500U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Calcium	5.38	mg/L	5.00	107.56	83.92-117.64
Magnesium	5.47	mg/L	5.00	109.36	87.31-118.85
Potassium	5.01	mg/L	5.00	100.18	79.90-114.82
Sodium	4.73	mg/L	5.00	94.69	78.62-112.15

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Calcium	36.0	mg/L	5.00	78.56	38.12-158.26	32.0
Magnesium	16.0	mg/L	5.00	99.68	56.63-150.61	11.0
Potassium	13.0	mg/L	5.00	90.78	43.39-154.88	8.47
Sodium	16.7	mg/L	5.00	87.66	37.63-161.64	12.4

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Calcium	35.9	mg/L	5.00	76.32	38.12-158.26	32.0	0.31	13.18
Magnesium	15.6	mg/L	5.00	90.93	56.63-150.61	11.0	2.77	14.99
Potassium	12.6	mg/L	5.00	83.57	43.39-154.88	8.47	2.81	23.53
Sodium	16.5	mg/L	5.00	83.03	37.63-161.64	12.4	1.39	19.20

Quality Control Batch: 10097240 **Analyst: EVB**

Blank	Result	Units
Total Hardness (as CaCO3)	0.100U	mg/L

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801104
Client Project #: LODE
Date Sampled: Jan 18, 2008
Feb 26, 2008; Invoice: 57958

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Total Hardness (as CaCO3)	35.9	mg/L	33.1	108.68	81.91-115.19

Quality Control Batch: 100897320 **Analyst: RMV**

Blank	Result	Units
TDS	2.50U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
TDS	1460	mg/L	1500	97.47	91.15-105.70

Quality Control Batch: 100897408 **Analyst: CCP**

Blank	Result	Units
Total Alkalinity CaCO3	0.100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Total Alkalinity CaCO3	106	mg/L	100	106.11	79.90-119.80

Quality Control Batch: 100897606 **Analyst: EVB**

Blank	Result	Units
Mercury	0.0000170U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Mercury	0.00304	mg/L	0.00300	101.20	89.22-112.57

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Mercury	0.00148	mg/L	0.00150	98.67	83.35-119.38	0.0000170U

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8253 South U.S. Highway 1, Port St. Lucie FL 34952-2860 Phone 772 - 343 - 8006 Fax 772 - 343 - 8089
P.O. Box 1200, Madison FL 32341 Phone 850-973-6878 Fax 850-973-6878

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Quality Control Batch: 10097565 **Analyst: EVB**

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.00146	mg/L	0.00150	97.27	83.35-119.38	0.0000170U	1.43	10.24

Quality Control Batch: 10097617 **Analyst: EVB**

Blank	Result	Units
Antimony	0.00100U	mg/L
Arsenic	0.00100U	mg/L
Beryllium	0.000500U	mg/L
Cadmium	0.00100U	mg/L
Chromium	0.00100U	mg/L
Copper	0.00100U	mg/L
Lead	0.00100U	mg/L
Nickel	0.00100U	mg/L
Selenium	0.00200U	mg/L
Silver	0.000500U	mg/L
Thallium	0.00100U	mg/L
Zinc	0.0100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Antimony	0.228	mg/L	0.200	114.08	73.99-122.44
Arsenic	0.219	mg/L	0.200	109.57	79.26-117.31
Beryllium	0.209	mg/L	0.200	104.35	82.55-134.74
Cadmium	0.225	mg/L	0.200	112.36	81.22-118.52
Chromium	0.204	mg/L	0.200	101.75	81.71-122.51
Copper	0.221	mg/L	0.200	110.40	79.19-124.19
Lead	0.224	mg/L	0.200	111.99	83.12-121.29
Nickel	0.222	mg/L	0.200	111.03	78.01-123.27
Selenium	0.217	mg/L	0.200	108.74	76.84-119.59
Silver	0.224	mg/L	0.200	112.13	78.25-120.53
Thallium	0.222	mg/L	0.200	111.16	82.42-122.55

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Quality Control Batch: 10097617 **Analyst: EVB**

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Zinc	0.219	mg/L	0.200	109.68	76.73-123.29

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.245	mg/L	0.200	122.57	69.77-144.70	0.00100U
Arsenic	0.235	mg/L	0.200	116.80	74.35-144.24	0.00156
Beryllium	0.295	mg/L	0.200	147.41	78.45-160.42	0.000500U
Cadmium	0.242	mg/L	0.200	121.19	76.85-137.80	0.00100U
Chromium	0.256	mg/L	0.200	127.17	70.16-146.07	0.00171
Copper	0.240	mg/L	0.200	119.22	58.25-145.93	0.00157
Lead	0.256	mg/L	0.200	127.91	70.59-143.50	0.00100U
Nickel	0.237	mg/L	0.200	118.07	57.58-143.28	0.00119
Selenium	0.245	mg/L	0.200	119.13	64.14-146.13	0.00641
Silver	0.248	mg/L	0.200	123.85	49.10-152.01	0.000500U
Thallium	0.242	mg/L	0.200	120.88	70.60-148.11	0.00100U
Zinc	0.237	mg/L	0.200	118.44	48.34-153.81	0.0100U

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.233	mg/L	0.200	116.26	69.77-144.70	0.00100U	5.29	20.15
Arsenic	0.219	mg/L	0.200	108.51	74.35-144.24	0.00156	7.31	20.43
Beryllium	0.273	mg/L	0.200	136.66	78.45-160.42	0.000500U	7.57	20.63
Cadmium	0.226	mg/L	0.200	113.12	76.85-137.80	0.00100U	6.88	21.76
Chromium	0.236	mg/L	0.200	116.98	70.16-146.07	0.00171	8.29	23.13
Copper	0.216	mg/L	0.200	107.24	58.25-145.93	0.00157	10.50	23.95
Lead	0.229	mg/L	0.200	114.46	70.59-143.50	0.00100U	11.10	23.46
Nickel	0.218	mg/L	0.200	108.37	57.58-143.28	0.00119	8.52	22.83
Selenium	0.226	mg/L	0.200	109.94	64.14-146.13	0.00641	7.81	24.14
Silver	0.233	mg/L	0.200	116.68	49.10-152.01	0.000500U	5.95	28.45
Thallium	0.218	mg/L	0.200	109.11	70.60-148.11	0.00100U	10.23	16.52
Zinc	0.218	mg/L	0.200	109.05	48.34-153.81	0.0100U	8.25	25.09

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Quality Control Batch: 10098008 **Analyst: VLB**

Blank	Result	Units
Chloride	5.00U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Chloride	51.6	mg/L	50.0	103.22	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Chloride	55.4	mg/L	50.0	100.04	80.00-120.00	5.37

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chloride	55.0	mg/L	50.0	99.30	80.00-120.00	5.37	0.67	20.00

Quality Control Batch: 10098056 **Analyst: PCW**

Blank	Result	Units
Sulfate	5.00U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Sulfate	62.5	mg/L	60.0	104.17	92.07-106.18

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Sulfate	52.6	mg/L	50.0	103.28	45.70-149.77	0.960

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Sulfate	51.6	mg/L	50.0	101.28	45.70-149.77	0.960	1.92	7.80

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Narrative Report

Sample Handling
Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control
Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments
Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 1-22-08 Page: 1 of 1

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Hardness, Ca, Mg, K, Na	TOC	Gen Chemistry:	SO4, Cl, Alk, Gr, TDS	EC, Cations	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE	Priority Pollutant Metals	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
SHS-1/801104-01	01-18-08	1049	GW	57958	GW	1				X			X	X														
SHS-2/801104-02		1253				2				X			X	X														
SHS-5/801104-03		1332				3				X			X	X														
SHS-8/801104-04		1422				4				X			X	X														
SHS-18/801104-05		1536				5				X			X	X														
GBR-48/801104-06	01-21-08	0943				6				X			X	X								X						
GBR-32/801104-07		1038				7				X			X	X								X						

PROJECT INFORMATION	SAMPLE RECEIPT	SAMPLES SENT TO:		RELINQUISED BY: 1.	RELINQUISED BY: 2.
PROJECT #: 801104	Total Number of Containers	PENSACOLA - STL-FL		Signature: Time: 1700	Signature: Time:
PROJ. NAME: LODE	Chain of Custody Seals	ESL - OR		Printed Name: David Gallegos Date: 1-22-08	Printed Name: Date:
QC LEVEL: (STD) IV	Received Intact?	ATEL - AZ		Pinnacle Laboratories, Inc.	Company
QC REQUIRED: (STD) MS MSD BLANK	Received Good Cond./Cold	ATEL - MARION		RECEIVED BY: 1.	RECEIVED BY: 2.
TAT: (STANDARD) RUSH!!	LAB NUMBER:	ATEL - MELMORE		Signature: Time:	Signature: Time: 1011
DUE DATE: 2-5-08	COMMENTS:	FCL	✓	Printed Name: Date:	Printed Name: Date: 1/23/08
RUSH SURCHARGE: —		EHL		Company	Company
CLIENT DISCOUNT: —	2.1 °C	GEL			
SPECIAL CERTIFICATION REQUIRED: YES (NO)		WCAS			
		WOHL			

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 1/21/08 PAGE: 1 OF 1

PLI Accession #: 801104

SHADED AREAS ARE FOR LAB USE ONLY

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Martin Nee

COMPANY: Lodestar

ADDRESS: 26 CR 3500
Flora Vista NM 87415

PHONE: 505-334-2791 5053209675

FAX:

BILL TO: Bill Robertson

COMPANY: Grant Industries

ADDRESS: 111 CR 4990
Bloomfield NM 87413

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	Hardness, Ca, Mg, K, Na	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	601/602	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry: ph, SO4, Cl	Alk, Cr, TDS, EC, Cations	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:	NUMBER OF CONTAINERS
SHS-1	011808	1049	GW	01			X									X									X	X					5
SHS-2	011808	1253	GW	02			X									X									X	X					5
SHS-5	011808	1332	GW	03			X									X									X	X					5
SHS-8	011808	1422	GW	04			X									X									X	X					5
SHS-18	011808	1536	GW	05			X									X									X	X					5
GBR-48	012108	0943	GW	06			X									X									X	X					5
GBR-32	012108	1038	GW	07			X									X									X	X					6

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION	
PROJ. NO.:	
PROJECT: Grant Former Refinery	
P.O. NO.:	
SHIPPED VIA:	

SAMPLE RECEIPT	
NO CONTAINERS	37
CUSTODY SEALS	(Y) / N / NA
RECEIVED INTACT	Yes
BLUE ICE/ICE	4.9°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐1 WEEK (NORMAL) ☒
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ | METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

Blue Cooler "UPS 7392"

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Troy Urban Time: 1558	Signature: Time:
Printed Name: Troy Urban Date: 1/21/08	Printed Name: Date:
Company: Lodestar	Company:
See Reverse side (Force Majeure)	
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 1145
Printed Name: Date:	Printed Name: Date: David Gallegos 1-22-08
Company:	Pinnacle Laboratories Inc.

Cation-Anion Balance Worksheet

Accession Number: 801104-01

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1010		
Chloride	94.2	0.02821	2.65738
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	69.5	0.02082	1.44699
Carbonate	1.8	0.03333	0.05999
Bi-Carbonate	1010	0.01639	16.55390
	Total Anions =		**20.718266**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	82.3	0.04990	4.10677
Potassium	2.29	0.02558	0.05858
Magnesium	17.9	0.08229	1.47299
Sodium	383	0.04350	16.66050
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**22.2988392**

Anion/Cation Balance (% difference) =	3.7%	
Total Anions+Cations =	1255 mg/l	(calculated)
Total Dissolved Solids =	1170 mg/l	(measured)
TDS/ion sum ratio =	0.93	
Electrical Cond =	1950 umh/cm	(measured)
TDS/EC ratio =	0.600	

Cation-Anion Balance Worksheet

Accession Number: 801104-02

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	389		
Chloride	100	0.02821	2.82100
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	2200	0.02082	45.80400
Carbonate	0	0.03333	0.00000
Bi-Carbonate	389	0.01639	6.37571
	Total Anions =		**55.00071**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	465	0.04990	23.20350
Potassium	7.93	0.02558	0.20285
Magnesium	118	0.08229	9.71022
Sodium	505	0.04350	21.96750
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**55.0840694**

Anion/Cation Balance (% difference) =	0.1%	
Total Anions+Cations =	3629 mg/l	(calculated)
Total Dissolved Solids =	4090 mg/l	(measured)
TDS/ion sum ratio =	1.13	
Electrical Cond =	4760 umh/cm	(measured)
TDS/EC ratio =	0.859	

Cation-Anion Balance Worksheet

Accession Number: 801104-03

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	251		
Chloride	62.8	0.02821	1.77159
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1200	0.02082	24.98400
Carbonate	0	0.03333	0.00000
Bi-Carbonate	251	0.01639	4.11389
	Total Anions =		**30.869478**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	405	0.04990	20.20950
Potassium	4.03	0.02558	0.10309
Magnesium	33.6	0.08229	2.76494
Sodium	312	0.04350	13.57200
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**36.6495314**

Anion/Cation Balance (% difference) =	8.6%	
Total Anions+Cations =	2168 mg/l	(calculated)
Total Dissolved Solids =	2530 mg/l	(measured)
TDS/ion sum ratio =	1.17	
Electrical Cond =	3010 umh/cm	(measured)
TDS/EC ratio =	0.841	

Cation-Anion Balance Worksheet

Accession Number: 801104-04

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	653		
Chloride	186	0.02821	5.24706
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	77.9	0.02082	1.62188
Carbonate	0	0.03333	0.00000
Bi-Carbonate	652	0.01639	10.68628
	Total Anions =		**17.555218**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	105	0.04990	5.23950
Potassium	5.55	0.02558	0.14197
Magnesium	15.6	0.08229	1.28372
Sodium	310	0.04350	13.48500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**20.150193**

Anion/Cation Balance (% difference) =	6.9%	
Total Anions+Cations =	1092 mg/l	(calculated)
Total Dissolved Solids =	1070 mg/l	(measured)
TDS/ion sum ratio =	0.98	
Electrical Cond =	1970 umh/cm	(measured)
TDS/EC ratio =	0.543	

Cation-Anion Balance Worksheet

Accession Number: 801104-05

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	904		
Chloride	98.6	0.02821	2.78151
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	401	0.02082	8.34882
Carbonate	1.24	0.03333	0.04133
Bi-Carbonate	903	0.01639	14.80017
	Total Anions =		**25.9718252**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	166	0.04990	8.28340
Potassium	2.7	0.02558	0.06907
Magnesium	19.6	0.08229	1.61288
Sodium	424	0.04350	18.44400
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**28.40935**

Anion/Cation Balance (% difference) =	4.5%		
Total Anions+Cations =	1654	mg/l	(calculated)
Total Dissolved Solids =	1570	mg/l	(measured)
TDS/ion sum ratio =	0.95		
Electrical Cond =	2530	umh/cm	(measured)
TDS/EC ratio =	0.621		

Cation-Anion Balance Worksheet

Accession Number: 801104-06

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	273		
Chloride	114	0.02821	3.21594
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	698	0.02082	14.53236
Carbonate	0	0.03333	0.00000
Bi-Carbonate	272	0.01639	4.45808
	Total Anions =		**22.20638**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	167	0.04990	8.33330
Potassium	3.89	0.02558	0.09951
Magnesium	17.8	0.08229	1.46476
Sodium	266	0.04350	11.57100
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**21.4685682**

Anion/Cation Balance (% difference) =	1.7%	
Total Anions+Cations =	1430 mg/l	(calculated)
Total Dissolved Solids =	1460 mg/l	(measured)
TDS/ion sum ratio =	1.02	
Electrical Cond =	2230 umh/cm	(measured)
TDS/EC ratio =	0.655	

Cation-Anion Balance Worksheet

Accession Number: 801104-07

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	359		
Chloride	104	0.02821	2.93384
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1750	0.02082	36.43500
Carbonate	2.52	0.03333	0.08399
Bi-Carbonate	357	0.01639	5.85123
	Total Anions =		**45.3040616**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	454	0.04990	22.65460
Potassium	4.28	0.02558	0.10948
Magnesium	49.5	0.08229	4.07336
Sodium	665	0.04350	28.92750
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**55.7649374**

Anion/Cation Balance (% difference) = 10.4%

Total Anions+Cations =	3242 mg/l	(calculated)
Total Dissolved Solids =	4270 mg/l	(measured)
TDS/ion sum ratio =	1.32	
Electrical Cond =	5510 umh/cm	(measured)
TDS/EC ratio =	0.775	

PINNACLE LABS
Environmental Testing

Pinnacle Lab ID number **801105**
February 29, 2008

LODESTAR
26 CR 3500
FLORA VISTA, NM 87415

Project Name GIANT FORMER REFINERY
Project Number (NONE)

Attention: MARTIN NEE/BILL ROBERTSON

On 01/22/2008 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Methods 601/602 and 150.1 analyses were performed by Pinnacle Laboratories, Inc. (PLI).

All remaining analyses were performed by Flowers Chemical Laboratories, Inc. (FCL), Altamonte Springs, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

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PINNACLE
Environmental Testing

CLIENT	: LODESTAR	PINNACLE ID	: 801105
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/2008
PROJECT NAME	: GIANT FORMER REFINERY	REPORT DATE	: 02/29/2008

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
801105 - 01	GBR-49	AQUEOUS	01/21/2008
801105 - 02	GBR-17	AQUEOUS	01/21/2008

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PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR	PINNACLE I.D.	: 801105
PROJECT #	: (NONE)	DATE RECEIVED	: 01/22/08
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
01	GBR-49	AQUEOUS	01/21/08	01/22/08
02	GBR-17	AQUEOUS	01/21/08	01/22/08

PARAMETER	GBR-49	GBR-17
PH (150.1)	6.3	7.3
TEMPERATURE (°C)	16.7	16.0

CHEMIST NOTES:
N/A

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PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: LODESTAR	PINNACLE I.D.	: 801105
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT FORMER REFINERY	DATE ANALYZED	: 01/22/08

PARAMETER	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH (150.1)	801105-01	6.29	6.32	0
TEMPERATURE (°C)		16.7	16.3	

CHEMIST NOTES:
N/A

$$\text{Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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PINNACLE
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GIANT FORMER REFINERY

PINNACLE I.D. : 801105
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	GBR-49	AQUEOUS	01/21/2008	NA	02/01/2008	1
02	GBR-17	AQUEOUS	01/21/2008	NA	02/01/2008	1

PARAMETER	DET. LIMIT	UNITS	GBR-49	GBR-17	P/E
METHYL -t-BUTYL ETHER	0.2	UG/L	< 0.2	< 0.2	P
BENZENE	**0.2**	**UG/L**	**2.5**	< 0.2	**P**
TOLUENE	0.2	UG/L	< 0.2	< 0.2	P
ETHYLBENZENE	0.2	UG/L	< 0.2	< 0.2	P
TOTAL XYLENES	0.2	UG/L	< 0.2	< 0.2	P
CHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	E
VINYL CHLORIDE	0.2	UG/L	< 0.2	< 0.2	E
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	E
CHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	E
TRICHLOROFLUOROMETHANE	0.5	UG/L	< 0.5	< 0.5	E
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	E
METHYLENE CHLORIDE	0.2	UG/L	< 0.2	< 0.2	E
TRANS-1,2-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	E
[illegible]DICHLOROETHANE	**0.2**	**UG/L**	**0.3**	< 0.2	E
[illegible]LOROFORM	0.2	UG/L	< 0.2	< 0.2	E
1,2-DICHLOROETHANE (EDC)	0.2	UG/L	< 0.2	< 0.2	E
1,1,1-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	E
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	E
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	E
TRICHLOROETHENE	**0.2**	**UG/L**	**1.0**	< 0.2	**E**
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	E
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	E
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	E
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	E
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	E
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	E
TETRACHLOROETHENE	**0.2**	**UG/L**	**2.9**	< 0.2	**E**
CHLOROBENZENE	0.2	UG/L	< 0.2	< 0.2	E
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	E
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	E
1,3-DICHLOROBENZENE	0.2	UG/L	< 0.2	< 0.2	E
1,4-DICHLOROBENZENE	0.2	UG/L	< 0.2	< 0.2	E
1,2-DICHLOROBENZENE	0.2	UG/L	< 0.2	< 0.2	E

SURROGATE:			
TRIFLUOROTOLUENE (%)		92	98
SURROGATE LIMITS	(70 - 130)		
1,4-DICHLOROBUTANE (%)		100	101
SURROGATE LIMITS	(70 - 130)		

CHEMIST NOTES:
N/A

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602	PINNACLE I.D.	: 801105
BLANK I.D.	: 013108H	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 01/31/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT FORMER REFINERY	ANALYST	: DRK

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	< 0.2
BENZENE	UG/L	< 0.2
TOLUENE	UG/L	< 0.2
ETHYLBENZENE	UG/L	< 0.2
TOTAL XYLENES	UG/L	< 0.2
CHLOROMETHANE	UG/L	< 0.5
VINYL CHLORIDE	UG/L	< 0.2
BROMOMETHANE	UG/L	< 1.0
CHLOROETHANE	UG/L	< 0.5
TRICHLOROFLUOROMETHANE	UG/L	< 0.5
1,1-DICHLOROETHENE	UG/L	< 0.2
METHYLENE CHLORIDE	UG/L	< 0.2
TRANS-1,2-DICHLOROETHENE	UG/L	< 0.2
1,1-DICHLOROETHANE	UG/L	< 0.2
CHLOROFORM	UG/L	< 0.2
1,2-DICHLOROETHANE (EDC)	UG/L	< 0.2
1,1,1-TRICHLOROETHANE	UG/L	< 0.2
CARBON TETRACHLORIDE	UG/L	< 0.2
1,2-DICHLOROPROPANE	UG/L	< 0.2
TRICHLOROETHENE	UG/L	< 0.2
BROMODICHLOROMETHANE	UG/L	< 0.2
CIS-1,3-DICHLOROPROPENE	UG/L	< 0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	< 0.2
1,1,2-TRICHLOROETHANE	UG/L	< 0.2
DIBROMOCHLOROMETHANE	UG/L	< 0.5
1,2-DIBROMOETHANE (EDB)	UG/L	< 0.5
TETRACHLOROETHENE	UG/L	< 0.2
CHLOROBENZENE	UG/L	< 0.2
BROMOFORM	UG/L	< 0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	< 0.5
1,3-DICHLOROBENZENE	UG/L	< 0.2
1,4-DICHLOROBENZENE	UG/L	< 0.2
1,2-DICHLOROBENZENE	UG/L	< 0.2

SURROGATE:		
TRIFLUOROTOLUENE (%)		100
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE (%)		101
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:

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PINNACLE Labs
Environmental Testing

GAS CHROMATOGRAPHY QUALITY CONTROL
LCS/LCSD

TEST	: EPA 601/602	PINNACLE I.D.	: 801105
SAMPLE ID	: 013108H	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 01/31/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT FORMER REFINERY	UNITS	: UG/L

PARAMETER	BLANK RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
METHYL -t-BUTYL ETHER	<0.2	4.0	3.83	96	4.01	100	4	(70 - 130)	20
BENZENE	<0.2	4.0	3.82	95	3.87	97	1	(39 - 150)	20
TOLUENE	<0.2	4.0	3.78	95	3.83	96	1	(46 - 148)	20
ETHYLBENZENE	<0.2	4.0	3.77	94	3.84	96	2	(32 - 160)	20
TOTAL XYLENES	<0.2	12	11.3	94	11.5	96	2	(80 - 120)	20
CHLOROMETHANE	<0.5	4.0	4.09	102	4.00	100	2	(D - 193)	20
VINYL CHLORIDE	<0.2	4.0	4.06	101	4.03	101	1	(28 - 163)	20
BROMOMETHANE	<1.0	4.0	4.07	102	3.97	99	2	(D - 144)	20
CHLOROETHANE	<0.5	4.0	3.97	99	3.91	98	2	(46 - 137)	20
TRICHLOROFLUOROMETHANE	<0.5	4.0	4.04	101	4.05	101	0	(21 - 156)	20
1,1-DICHLOROETHENE	<0.2	4.0	3.98	99	3.95	99	1	(28 - 167)	20
METHYLENE CHLORIDE	<0.2	4.0	3.89	97	3.76	94	3	(25 - 162)	20
TRANS-1,2-DICHLOROETHENE	<0.2	4.0	3.99	100	3.83	96	4	(38 - 155)	20
1,1-DICHLOROETHANE	<0.2	4.0	3.99	100	3.83	96	4	(47 - 132)	20
CHLOROFORM	<0.2	4.0	3.79	95	3.71	93	2	(49 - 133)	20
1,2-DICHLOROETHANE (EDC)	<0.2	4.0	4.12	103	4.10	102	1	(51 - 147)	20
1,1,1-TRICHLOROETHANE	<0.2	4.0	4.16	104	4.09	102	2	(41 - 138)	20
CARBON TETRACHLORIDE	<0.2	4.0	4.06	102	4.02	100	1	(43 - 143)	20
1,2-DICHLOROPROPANE	<0.2	4.0	4.30	108	4.27	107	1	(44 - 156)	20
TRICHLOROETHENE	<0.2	4.0	4.04	101	4.37	109	8	(35 - 146)	20
BROMODICHLOROMETHANE	<0.2	4.0	4.47	112	4.48	112	0	(42 - 172)	20
CIS-1,3-DICHLOROPROPENE	<0.2	4.0	4.24	106	4.09	102	3	(22 - 178)	20
TRANS-1,3-DICHLOROPROPENE	<0.2	4.0	3.89	97	3.82	96	2	(22 - 178)	20
1,1,2-TRICHLOROETHANE	<0.2	4.0	3.58	90	3.91	98	9	(39 - 136)	20
DIBROMOCHLOROMETHANE	<0.5	4.0	4.19	105	4.35	109	4	(24 - 191)	20
1,2-DIBROMOETHANE (EDB)	<0.5	4.0	4.34	108	4.49	112	4	(80 - 120)	20
TETRACHLOROETHENE	<0.2	4.0	3.74	93	3.82	96	2	(26 - 162)	20
CHLOROBENZENE	<0.2	4.0	3.82	96	3.87	97	1	(38 - 150)	20
BROMOFORM	<0.5	4.0	4.41	110	4.53	113	3	(13 - 159)	20
1,1,2,2-TETRACHLOROETHANE	<0.5	4.0	3.81	95	3.37	84	12	(8 - 184)	20
1,3-DICHLOROBENZENE	<0.2	4.0	3.86	96	3.87	97	0	(7 - 187)	20
1,4-DICHLOROBENZENE	<0.2	4.0	3.90	97	3.88	97	0	(42 - 143)	20
1,2-DICHLOROBENZENE	<0.2	4.0	4.01	100	4.00	100	0	(D - 208)	20

CHEMIST NOTES:

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 601/602	PINNACLE I.D.	: 801105
SAMPLE ID	: 801267.01	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 02/01/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GIANT FORMER REFINERY	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
METHYL -t-BUTYL ETHER	<0.2	4.0	3.48	87	2.96	74	16	(70 - 130)	20
BENZENE	<0.2	4.0	3.50	87	3.03	76	14	(39 - 150)	20
TOLUENE	<0.2	4.0	3.43	86	2.97	74	14	(46 - 148)	20
ETHYLBENZENE	<0.2	4.0	3.42	85	2.91	73	16	(32 - 160)	20
TOTAL XYLENES	<0.2	12	10.2	85	8.77	**73-M4**	15	(80 - 120)	20
CHLOROMETHANE	<0.5	4.0	3.43	86	2.53	63	**30-M3**	(D - 193)	20
VINYL CHLORIDE	<0.2	4.0	3.85	96	2.44	61	**45-M3**	(28 - 163)	20
BROMOMETHANE	<1.0	4.0	4.43	111	2.93	73	**41-M3**	(D - 144)	20
CHLOROETHANE	<0.5	4.0	3.56	89	2.41	60	**38-M3**	(46 - 137)	20
TRICHLOROFLUOROMETHANE	<0.5	4.0	3.43	86	2.43	61	**34-M3**	(21 - 156)	20
1,1-DICHLOROETHENE	<0.2	4.0	3.39	85	3.09	77	9	(28 - 167)	20
METHYLENE CHLORIDE	<0.2	4.0	3.32	83	3.18	79	4	(25 - 162)	20
TRANS-1,2-DICHLOROETHENE	<0.2	4.0	3.28	82	3.18	80	3	(38 - 155)	20
1,1-DICHLOROETHANE	<0.2	4.0	3.43	86	3.14	79	9	(47 - 132)	20
CHLOROFORM	<0.2	4.0	3.40	85	3.12	78	9	(49 - 133)	20
1,2-DICHLOROETHANE (EDC)	<0.2	4.0	3.63	91	3.32	83	9	(51 - 147)	20
1,1,1-TRICHLOROETHANE	<0.2	4.0	3.64	91	3.31	83	10	(41 - 138)	20
CARBON TETRACHLORIDE	<0.2	4.0	3.52	88	3.20	80	10	(43 - 143)	20
1,2-DICHLOROPROPANE	<0.2	4.0	3.68	92	3.33	83	10	(44 - 156)	20
TRICHLOROETHENE	<0.2	4.0	3.46	87	3.04	76	13	(35 - 146)	20
BROMODICHLOROMETHANE	<0.2	4.0	3.64	91	3.27	82	11	(42 - 172)	20
CIS-1,3-DICHLOROPROPENE	<0.2	4.0	3.46	86	3.06	77	12	(22 - 178)	20
TRANS-1,3-DICHLOROPROPENE	<0.2	4.0	3.53	88	3.03	76	15	(22 - 178)	20
1,1,2-TRICHLOROETHANE	<0.2	4.0	3.66	92	3.16	79	15	(39 - 136)	20
DIBROMOCHLOROMETHANE	<0.5	4.0	3.32	83	2.67	67	**22-M3**	(24 - 191)	20
1,2-DIBROMOETHANE (EDB)	<0.5	4.0	3.65	91	2.76	**69-M4**	**28-M3**	(80 - 120)	20
TETRACHLOROETHENE	<0.2	4.0	3.44	86	2.89	72	17	(26 - 162)	20
CHLOROBENZENE	<0.2	4.0	3.45	86	2.86	72	19	(38 - 150)	20
BROMOFORM	<0.5	4.0	3.26	82	2.55	64	**25-M3**	(13 - 159)	20
1,1,2,2-TETRACHLOROETHANE	<0.5	4.0	3.96	99	3.33	83	17	(8 - 184)	20
1,3-DICHLOROBENZENE	<0.2	4.0	4.02	101	2.87	72	**34-M3**	(7 - 187)	20
1,4-DICHLOROBENZENE	<0.2	4.0	4.11	103	2.93	73	**34-M3**	(42 - 143)	20
1,2-DICHLOROBENZENE	<0.2	4.0	4.13	103	2.93	73	**34-M3**	(D - 208)	20

CHEMIST NOTES:
M3 = RPD is outside of PLI criteria.
M4 = %REC is outside of PLI criteria.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs FL 32715-0597 Phone 407-339-5984 Fax 407-260-6110 www.flowerslabs.com
8253 South U.S. Highway 1, Port St. Lucie FL 34952-2860 Phone 772-343-8006 Fax 772-343-8089
P.O. Box 1200, Madison FL 32341 Phone 850-973-6878 Fax 850-973-6878

Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801105
Client Project #: LODE
Date Sampled: Jan 21, 2008
Feb 26, 2008; Invoice: 57960

Report Summary

Date Received: Jan 23, 2008

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
57960GW1	GBR-49/801105-01	EPA120.1	LCC	Main Lab	Ground Water
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2340B	EVB	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57960GW2	GBR-17/801105-02	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2340B	EVB	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
		XBNE	CDG	Main Lab	

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

ACCREDITED IN ACCORDANCE WITH

Jefferson S. Flowers, Ph.D.
President/Technical Director

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801105
Client Project #: LODE
Date Sampled: Jan 21, 2008
Feb 26, 2008; Invoice: 57960

Analysis Report

Lab #: 57960GW1 Sampled: 01/21/08 11:20 AMDesc: GBR-49/801105-01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium	441	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-70-2	01/23/08
Magnesium	38.6	mg/L	1.00	0.0100	0.0200	10097239	EPA6010	7439-95-4	01/23/08
Potassium	4.34	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-09-7	01/23/08
Sodium	508	mg/L	1.00	0.500	1.00	10097239	EPA6010	7440-23-5	01/23/08
Total Hardness (as CaCO3)	1260	mg/L	1.00	0.100	0.200	10097240	SM2340B	40-11-9	01/23/08
TDS	3460	mg/L	1.00	2.50	5.00	10097320	SM2540C	10-33-3	01/24/08
Specific_Conductance	4430	umhos/cm	1.00	1.00	2.00	10097393	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	211	mg/L	1.00	0.100	0.200	10097406	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097406	SM2320B		01/24/08
Total Alkalinity CaCO3	211	mg/L	1.00	0.100	0.200	10097406	SM2320B	T-005	01/24/08
Mercury	0.0000170 U	mg/L	1.00	0.0000170	0.0000400	10097565	EPA245.1	7439-97-6	01/30/08
Antimony	0.00181 I	mg/L	1.00	0.00100	0.00200	10097798	EPA200.8	7440-36-0	01/31/08
Arsenic	0.00474	mg/L	1.00	0.00100	0.00200	10097798	EPA200.8	7440-38-2	01/31/08
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10097798	EPA200.8	7440-41-7	01/31/08
Cadmium	0.00164 I	mg/L	1.00	0.00100	0.00200	10097798	EPA200.8	7440-43-9	01/31/08
Chromium	0.217	mg/L	1.00	0.00100	0.00200	10097798	EPA200.8	7440-47-3	01/31/08
Copper	0.0191	mg/L	1.00	0.00100	0.00200	10097798	EPA200.8	7440-50-8	01/31/08
Lead	0.00230	mg/L	1.00	0.00100	0.00200	10097798	EPA200.8	7439-92-1	01/31/08
Nickel	0.158	mg/L	1.00	0.00100	0.00200	10097798	EPA200.8	7440-02-0	01/31/08
Selenium	0.0128	mg/L	1.00	0.00200	0.00400	10097798	EPA200.8	7782-49-2	01/31/08
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10097798	EPA200.8	7440-22-4	01/31/08
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10097798	EPA200.8	7440-28-0	01/31/08
Zinc	0.559	mg/L	1.00	0.0100	0.0200	10097798	EPA200.8	7440-66-6	01/31/08
Chloride	99.7	mg/L	1.00	5.00	10.0	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	1720	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801105
Client Project #: LODE
Date Sampled: Jan 21, 2008
Feb 26, 2008; Invoice: 57960

Lab #: 57960GW2 Sampled: 01/21/08 12:02 PMDesc: GBR 17/801105-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Calcium	288	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-70-2	01/23/08
Magnesium	23.2	mg/L	1.00	0.0100	0.0200	10097239	EPA6010	7439-95-4	01/23/08
Potassium	1.72	mg/L	1.00	0.100	0.200	10097239	EPA6010	7440-09-7	01/23/08
Sodium	249	mg/L	1.00	0.500	1.00	10097239	EPA6010	7440-23-5	01/23/08
Total Hardness (as CaCO3)	732	mg/L	1.00	0.100	0.200	10097240	SM2340B	40-11-9	01/23/08
TDS	1910	mg/L	1.00	2.50	5.00	10097320	SM2540C	10-33-3	01/24/08
Specific_Conductance	2560	umhos/cm	1.00	1.00	2.00	10097393	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	215	mg/L	1.00	0.100	0.200	10097406	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097406	SM2320B		01/24/08
Total Alkalinity CaCO3	215	mg/L	1.00	0.100	0.200	10097406	SM2320B	T-005	01/24/08
Base_Neutral_Extraction	1000	mL	1.00			10097758	XBNE		01/28/08
Chloride	43.8	mg/L	1.00	5.00	10.0	10098006	SM4500CIE	16887-00-6	02/02/08
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	090-12-0	02/05/08
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	91-57-6	02/05/08
Acenaphthene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	83-32-9	02/05/08
Acenaphthylene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	208-96-8	02/05/08
Anthracene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	120-12-7	02/05/08
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	56-55-3	02/05/08
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	50-32-8	02/05/08
Benzo(b)fluoranthene	0.100 U	ug/L	1.00	0.100	0.200	10098027	EPA8270	205-99-2	02/05/08
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	191-24-2	02/05/08
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	207-08-9	02/05/08
Chrysene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	218-01-9	02/05/08
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	53-70-3	02/05/08
Fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	206-44-0	02/05/08
Fluorene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	86-73-7	02/05/08
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	193-39-5	02/05/08
Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	91-20-3	02/05/08
Phenanthrene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	85-01-8	02/05/08

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Albuquerque,NM 87107

PO #: 801105
Client Project #: LODE
Date Sampled: Jan 21, 2008
Feb 26, 2008; Invoice: 57960

Lab #: 57960GW2 Sampled: 01/21/08 12:02 FldDesc: GBR-17/801105-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Pyrene	0.200 U	ug/L	1.00	0.200	0.400	10098027	EPA8270	129-00-0	02/05/08
Surr:2-Fluorobiphenyl (27-164%)	60.14%		1.00	0.0100	0.0200	10098027	EPA8270	321-60-8	02/05/08
Surr:Nitrobenzene-d5 (89-264%)	94.12%		1.00	0.0100	0.400	10098027	EPA8270		02/05/08
Surr:Terphenyl-d14 (28-263%)	39.54%		1.00	0.0100	0.0200	10098027	EPA8270		02/05/08
Sulfate	843 I	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

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PO #: 801105
Client Project #: LODE
Date Sampled: Jan 21, 2008
Feb 26, 2008; Invoice: 57960

Quality Report

Quality Control Batch: 10097239	Analyst: EVB							
Blank	**Result**	**Units**						
Calcium	0.100U	mg/L						
Magnesium	0.0100U	mg/L						
Potassium	0.100U	mg/L						
Sodium	0.500U	mg/L						
Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**			
Calcium	5.38	mg/L	5.00	107.56	83.92-117.64			
Magnesium	5.47	mg/L	5.00	109.36	87.31-118.85			
Potassium	5.01	mg/L	5.00	100.18	79.90-114.82			
Sodium	4.73	mg/L	5.00	94.69	78.62-112.15			
Matrix Spike	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**		
Calcium	36.0	mg/L	5.00	78.56	38.12-158.26	32.0		
Magnesium	16.0	mg/L	5.00	99.68	56.63-150.61	11.0		
Potassium	13.0	mg/L	5.00	90.78	43.39-154.88	8.47		
Sodium	16.7	mg/L	5.00	87.66	37.63-161.64	12.4		
Matrix Spike Duplicate	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**	**RPD**	**RPD Lim**
Calcium	35.9	mg/L	5.00	76.32	38.12-158.26	32.0	0.31	13.18
Magnesium	15.6	mg/L	5.00	90.93	56.63-150.61	11.0	2.77	14.99
Potassium	12.6	mg/L	5.00	83.57	43.39-154.88	8.47	2.81	23.53
Sodium	16.5	mg/L	5.00	83.03	37.63-161.64	12.4	1.39	19.20

Quality Control Batch: 10097240	Analyst: EVB	
Blank	**Result**	**Units**
Total Hardness (as CaCO3)	0.100U	mg/L

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Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Total Hardness (as CaCO3)	35.9	mg/L	33.1	108.68	81.91-115.19

Quality Control Batch: 100097320 **Analyst: RMV**

Blank	Result	Units
TDS	2.50U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
TDS	1460	mg/L	1500	97.47	91.15-105.70

Quality Control Batch: 100097406 **Analyst: CCF**

Blank	Result	Units
Total Alkalinity CaCO3	0.100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Total Alkalinity CaCO3	106	mg/L	100	106.11	77.03-121.71

Quality Control Batch: 100097566 **Analyst: EVB**

Blank	Result	Units
Mercury	0.0000170U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Mercury	0.00304	mg/L	0.00300	101.20	89.22-112.57

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Mercury	0.00148	mg/L	0.00150	98.67	83.35-119.38	0.0000170U

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Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.00146	mg/L	0.00150	97.27	83.35-119.38	0.0000170U	1.43	10.24

Quality Control Batch: 10097708	Analyst: EVB	
Blank	**Result**	**Units**
Antimony	0.00100U	mg/L
Arsenic	0.00100U	mg/L
Beryllium	0.000500U	mg/L
Cadmium	0.00100U	mg/L
Chromium	0.00100U	mg/L
Copper	0.00100U	mg/L
Lead	0.00100U	mg/L
Nickel	0.00100U	mg/L
Selenium	0.00200U	mg/L
Silver	0.000500U	mg/L
Thallium	0.00100U	mg/L
Zinc	0.0100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Antimony	0.192	mg/L	0.200	95.82	80.03-120.75
Arsenic	0.190	mg/L	0.200	95.11	81.93-119.74
Beryllium	0.210	mg/L	0.200	105.06	86.22-131.89
Cadmium	0.197	mg/L	0.200	98.72	85.61-121.52
Chromium	0.197	mg/L	0.200	98.72	87.55-121.64
Copper	0.204	mg/L	0.200	102.18	83.47-123.46
Lead	0.185	mg/L	0.200	92.56	85.29-122.99
Nickel	0.199	mg/L	0.200	99.71	83.90-123.41
Selenium	0.206	mg/L	0.200	102.93	80.22-122.56
Silver	0.203	mg/L	0.200	101.51	80.37-121.03
Thallium	0.177	mg/L	0.200	88.68	85.19-125.90

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Quality Control Batch: 10007793 **Analyst: EVB**

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Zinc	0.224	mg/L	0.200	111.84	78.11-124.45

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.189	mg/L	0.200	91.06	72.54-138.82	0.00736
Arsenic	0.192	mg/L	0.200	93.51	69.79-148.76	0.00498
Beryllium	0.213	mg/L	0.200	106.29	90.41-153.43	0.000500U
Cadmium	0.194	mg/L	0.200	97.16	74.04-138.49	0.000140
Chromium	0.191	mg/L	0.200	95.71	63.98-143.93	0.00100U
Copper	0.213	mg/L	0.200	98.88	49.86-141.65	0.0154
Lead	0.178	mg/L	0.200	87.96	65.33-149.14	0.00200
Nickel	0.204	mg/L	0.200	99.89	59.18-140.06	0.00421
Selenium	0.200	mg/L	0.200	96.68	60.93-152.53	0.00702
Silver	0.195	mg/L	0.200	97.72	45.71-147.09	0.000500U
Thallium	0.174	mg/L	0.200	86.97	74.90-159.54	0.00100U
Zinc	0.292	mg/L	0.200	96.84	49.35-144.25	0.0983

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.232	mg/L	0.200	112.18	72.54-138.82	0.00736	20.06	28.74
Arsenic	0.233	mg/L	0.200	114.17	69.79-148.76	0.00498	19.43	23.88
Beryllium	0.256	mg/L	0.200	128.16	90.41-153.43	0.000500U	18.66	23.63
Cadmium	0.235	mg/L	0.200	117.31	74.04-138.49	0.000140	18.79	24.44
Chromium	0.234	mg/L	0.200	117.09	63.98-143.93	0.00100U	20.09	24.04
Copper	0.262	mg/L	0.200	123.22	49.86-141.65	0.0154	20.50	24.86
Lead	0.217	mg/L	0.200	107.60	65.33-149.14	0.00200	19.88	25.57
Nickel	0.246	mg/L	0.200	120.69	59.18-140.06	0.00421	18.51	24.62
Selenium	0.256	mg/L	0.200	124.61	60.93-152.53	0.00702	24.46	27.01
Silver	0.245	mg/L	0.200	122.29	45.71-147.09	0.000500U	22.33	29.08
Thallium	0.213	mg/L	0.200	106.31	74.90-159.54	0.00100U	20.01	26.75
Zinc	0.353	mg/L	0.200	127.27	49.35-144.25	0.0983	18.88	25.37

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Quality Control Batch: 10098006 **Analyst: VLB**

Blank	Result	Units
Chloride	5.00U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Chloride	51.6	mg/L	50.0	103.22	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Chloride	55.4	mg/L	50.0	100.04	80.00-120.00	5.37

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chloride	55.0	mg/L	50.0	99.30	80.00-120.00	5.37	0.67	20.00

Quality Control Batch: 10099027 **Analyst: CLS**

Blank	Result	Units
Acenaphthene	0.200U	ug/L
Acenaphthylene	0.200U	ug/L
Anthracene	0.200U	ug/L
Benzo(a)anthracene	0.200U	ug/L
Benzo(a)pyrene	0.200U	ug/L
Benzo(b)fluoranthene	0.100U	ug/L
Benzo(g,h,i)perylene	0.200U	ug/L
Benzo(k)fluoranthene	0.200U	ug/L
Chrysene	0.200U	ug/L
Dibenz(a,h)anthracene	0.200U	ug/L
Fluoranthene	0.200U	ug/L
Fluorene	0.200U	ug/L
Indeno(1,2,3-cd)pyrene	0.200U	ug/L
Naphthalene	0.200U	ug/L
Phenanthrene	0.200U	ug/L
Pyrene	0.200U	ug/L

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Quality Control Batch: 10098027 **Analyst: CLS**

Blank	Result	Units
1-methyl-Naphthalene	0.200U	ug/L
2-methyl-Naphthalene	0.200U	ug/L
Surr:Nitrobenzene-d5	47.2	ug/L
Surr:Terphenyl-d14	60.8	ug/L
Surr:2-Fluorobiphenyl	37.7	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acenaphthene	58.0	ug/L	50.0	116.06	19.43-110.82
Acenaphthylene	65.3	ug/L	50.0	130.60	80.00-120.00
Anthracene	61.9	ug/L	50.0	123.86	35.89-115.69
Benzo(a)anthracene	47.6	ug/L	50.0	95.18	41.93-129.99
Benzo(a)pyrene	72.2	ug/L	50.0	144.36	39.40-119.98
Benzo(b)fluoranthene	68.3	ug/L	50.0	136.66	31.36-135.33
Benzo(g,h,i)perylene	45.2	ug/L	50.0	90.40	46.39-130.38
Benzo(k)fluoranthene	53.4	ug/L	50.0	106.84	33.95-145.70
Chrysene	51.9	ug/L	50.0	103.72	46.72-133.45
Dibenz(a,h)anthracene	43.0	ug/L	50.0	85.90	37.64-133.88
Fluoranthene	62.2	ug/L	50.0	124.36	24.34-134.54
Fluorene	73.7	ug/L	50.0	147.46	19.06-111.20
Indeno(1,2,3-cd)pyrene	52.1	ug/L	50.0	104.18	37.85-131.90
Naphthalene	52.2	ug/L	50.0	104.36	19.50-98.77
Phenanthrene	64.5	ug/L	50.0	129.06	33.33-113.56
Pyrene	65.8	ug/L	50.0	131.64	42.73-127.70
1-methyl-Naphthalene	54.4	ug/L	50.0	108.80	21.79-99.13
2-methyl-Naphthalene	54.4	ug/L	50.0	108.70	18.17-99.78
Surr:Nitrobenzene-d5	61.5	ug/L	50.0	122.92	54.20-138.20
Surr:Terphenyl-d14	60.2	ug/L	50.0	120.34	37.97-143.50
Surr:2-Fluorobiphenyl	45.2	ug/L	50.0	90.30	18.75-110.25

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P.O. Box 1200, Madison FL 32341 Phone 850-973-6878 Fax 850-973-6878

Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801105
Client Project #: LODE
Date Sampled: Jan 21, 2008
Feb 26, 2008; Invoice: 57960

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthene	46.7	ug/L	50.0	93.40	24.01-102.00	0.200U
Acenaphthylene	55.6	ug/L	50.0	111.28	80.00-120.00	0.200U
Anthracene	51.4	ug/L	50.0	102.88	36.36-119.37	0.200U
Benzo(a)anthracene	29.7	ug/L	50.0	59.34	22.93-131.37	0.200U
Benzo(a)pyrene	42.7	ug/L	50.0	85.42	28.55-113.30	0.200U
Benzo(b)fluoranthene	40.9	ug/L	50.0	81.78	33.90-132.20	0.100U
Benzo(g,h,i)perylene	26.3	ug/L	50.0	52.66	29.74-126.60	0.200U
Benzo(k)fluoranthene	28.4	ug/L	50.0	56.84	1.00-172.28	0.200U
Chrysene	32.6	ug/L	50.0	65.14	21.81-143.20	0.200U
Dibenz(a,h)anthracene	24.8	ug/L	50.0	49.68	14.09-128.46	0.200U
Fluoranthene	46.0	ug/L	50.0	92.06	20.92-125.32	0.200U
Fluorene	61.1	ug/L	50.0	122.22	15.17-114.79	0.200U
Indeno(1,2,3-cd)pyrene	29.7	ug/L	50.0	59.42	13.90-145.82	0.200U
Naphthalene	38.5	ug/L	50.0	77.00	9.17-110.12	0.200U
Phenanthrene	54.0	ug/L	50.0	108.06	19.47-133.87	0.200U
Pyrene	51.2	ug/L	50.0	102.34	21.53-149.12	0.200U
1-methyl-Naphthalene	41.6	ug/L	50.0	83.14	10.68-99.34	0.200U
2-methyl-Naphthalene	40.4	ug/L	50.0	80.80	22.29-86.35	0.200U
Surr:Nitrobenzene-d5	48.6	ug/L	50.0	97.28	48.30-142.10	
Surr:Terphenyl-d14	25.6	ug/L	50.0	51.14	16.08-149.12	
Surr:2-Fluorobiphenyl	35.1	ug/L	50.0	70.16	16.08-95.65	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acenaphthene	44.7	ug/L	50.0	89.48	24.01-102.00	0.200U	4.29	20.00
Acenaphthylene	53.9	ug/L	50.0	107.74	80.00-120.00	0.200U	3.23	20.00
Anthracene	48.6	ug/L	50.0	97.18	36.36-119.37	0.200U	5.70	20.00
Benzo(a)anthracene	29.0	ug/L	50.0	58.04	22.93-131.37	0.200U	2.22	20.00
Benzo(a)pyrene	43.2	ug/L	50.0	86.46	28.55-113.30	0.200U	1.21	20.00
Benzo(b)fluoranthene	40.2	ug/L	50.0	80.48	33.90-132.20	0.100U	1.60	20.00
Benzo(g,h,i)perylene	27.4	ug/L	50.0	54.82	29.74-126.60	0.200U	4.02	20.00

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801105
Client Project #: LODE
Date Sampled: Jan 21, 2008
Feb 26, 2008; Invoice: 57960

Quality Control Batch: 100980277	Analyst: CLS							
Matrix Spike Duplicate	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**	**RPD**	**RPD Lim**
Benzo(k)fluoranthene	29.1	ug/L	50.0	58.16	1.00-172.28	0.200U	2.30	20.00
Chrysene	31.9	ug/L	50.0	63.78	21.81-143.20	0.200U	2.11	20.00
Dibenz(a,h)anthracene	25.9	ug/L	50.0	51.82	14.09-128.46	0.200U	4.22	20.00
Fluoranthene	48.3	ug/L	50.0	96.52	20.92-125.32	0.200U	4.73	20.00
Fluorene	57.6	ug/L	50.0	115.18	15.17-114.79	0.200U	5.93	20.00
Indeno(1,2,3-cd)pyrene	30.8	ug/L	50.0	61.54	13.90-145.82	0.200U	3.51	20.00
Naphthalene	43.0	ug/L	50.0	85.94	9.17-110.12	0.200U	10.97	20.00
Phenanthrene	51.8	ug/L	50.0	103.64	19.47-133.87	0.200U	4.18	20.00
Pyrene	44.5	ug/L	50.0	89.00	21.53-149.12	0.200U	13.94	20.00
1-methyl-Naphthalene	43.8	ug/L	50.0	87.68	10.68-99.34	0.200U	5.32	20.00
2-methyl-Naphthalene	44.1	ug/L	50.0	88.10	22.29-86.35	0.200U	8.64	20.00
Surr:Nitrobenzene-d5	52.2	ug/L	50.0	104.34	48.30-142.10		7.00	20.00
Surr:Terphenyl-d14	28.3	ug/L	50.0	56.60	16.08-149.12		10.14	20.00
Surr:2-Fluorobiphenyl	33.2	ug/L	50.0	66.38	16.08-95.65		5.54	20.00

Quality Control Batch: 100980056	Analyst: PCW							
Blank	**Result**	**Units**						
Sulfate	5.00U	mg/L						
Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**			
Sulfate	62.5	mg/L	60.0	104.17	92.07-106.18			
Matrix Spike	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**		
Sulfate	52.6	mg/L	50.0	103.28	45.70-149.77	0.960		
Matrix Spike Duplicate	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**	**RPD**	**RPD Lim**
Sulfate	51.6	mg/L	50.0	101.28	45.70-149.77	0.960	1.92	7.80

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PO #: 801105
Client Project #: LODE
Date Sampled: Jan 21, 2008
Feb 26, 2008; Invoice: 57960

Narrative Report

Sample Handling
Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control
Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments
Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 1-22-08 Page: 1 of 1

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Hardness, Ca, Mg, K, Na	~~TDS~~ Priority Pollutant Metals	Gen Chemistry:	8270-SIMS	SO_4, Cl	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE	Alk, Gn, TDS, EC	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
GBR-49/801105-01	1-21-08	1120	GW	57960-01						X	X			X														
GBR-17/801105-02	↓	1202		57960-02						X			X	X								X						

PROJECT INFORMATION	SAMPLE RECEIPT	SAMPLES SENT TO:	RELINQUISED BY: 1.	RELINQUISED BY: 2.
PROJECT #: 801105	Total Number of Containers	PENSACOLA - STL-FL	Signature: Time: 1700	Signature: Time:
PROJ. NAME: LODE	Chain of Custody Seals	ESL - OR	Printed Name: David Gallegos Date: 1-22-08	Printed Name: Date:
QC LEVEL: STD IV	Received Intact?	ATEL - AZ	Pinnacle Laboratories, Inc.	Company
QC REQUIRED: MS MSD BLANK	Received Good Cond./Cold	ATEL - MARION	RECEIVED BY: 1.	RECEIVED BY: 2.
TAT: ~~STANDARD~~ RUSH!!	LAB NUMBER:	ATEL - MELMORE	Signature: Time:	Signature: Time: 1941
		FCL ✓	Printed Name: Date:	Printed Name: Date: 1/23/08
DUE DATE: 2-5-08	COMMENTS:	EHL	Company	Company
RUSH SURCHARGE: —		GEL		
CLIENT DISCOUNT: —	2.1 °C	WCAS		
SPECIAL CERTIFICATION REQUIRED: YES (NO)		WOHL		

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 1/21/08 PAGE: 1 OF 1

PLI Accession # 801105

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Martin Nee

COMPANY: Lodestar
ADDRESS: 26 CR 3500
Flora Vista NM 87415
PHONE: 505-334-2791 505-320-9675
FAX:

BILL TO: Bill Robertson
COMPANY: Grant Industries
ADDRESS: 111 CR 4990
Bloomfield, NM 87413

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.
GBR-49	012108	1120	GW	01
~~GBR-32~~ GBR-17	012108	1202	GW	02
1-22-08				

ANALYSIS REQUEST

Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry:	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:		NUMBER OF CONTAINERS
		Hardness, Ca, Mg, K, Na								601/602								pH, SO4, Cl, Alk, Gr, TDS, EC, Cations							16
		X								X							X	X	X	X					2
		X								X							X	X	X						2

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION	
PROJ. NO.:	
PROJ. NAME:	Former Refinery
P.O. NO.:	
SHIPPED VIA:	UPS

SAMPLE RECEIPT	
NO. CONTAINERS	13
CUSTODY SEALS	(Y) N /NA
RECEIVED INTACT	Yes
BLUE ICE / ICE	4.3°C

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐ 1 WEEK (NORMAL) ☒
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ | METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

Green Cooler "UPS 3409"

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Troy Urban Time: 1558	Signature: Time:
Printed Name: Troy Urban Date: 1/21/08	Printed Name: Date:
Company: Lodestar	Company:
See Reverse side (Force Majeure)	
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time:	Signature: Time: 1145
Printed Name: Date:	Printed Name: David Gallegos Date: 1-22-08
Company:	Pinnacle Laboratories Inc.

Cation-Anion Balance Worksheet

Accession Number: 801105-01

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	211		
Chloride	99.7	0.02821	2.81254
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1720	0.02082	35.81040
Carbonate	0	0.03333	0.00000
Bi-Carbonate	211	0.01639	3.45829
	Total Anions =		**42.081227**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	441	0.04990	22.00590
Potassium	4.34	0.02558	0.11102
Magnesium	38.6	0.08229	3.17639
Sodium	508	0.04350	22.09800
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**47.3913112**

Anion/Cation Balance (% difference) =	5.9%	
Total Anions+Cations =	2938 mg/l	(calculated)
Total Dissolved Solids =	3460 mg/l	(measured)
TDS/ion sum ratio =	1.18	
Electrical Cond =	4430 umh/cm	(measured)
TDS/EC ratio =	0.781	

Cation-Anion Balance Worksheet

Accession Number: 801105-02

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	215		
Chloride	43.8	0.02821	1.23560
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	843	0.02082	17.55126
Carbonate	0	0.03333	0.00000
Bi-Carbonate	215	0.01639	3.52385
	Total Anions =		**22.310708**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	288	0.04990	14.37120
Potassium	1.72	0.02558	0.04400
Magnesium	23.2	0.08229	1.90913
Sodium	249	0.04350	10.83150
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**27.1558256**

Anion/Cation Balance (% difference) =	9.8%		
Total Anions+Cations =	1578	mg/l	(calculated)
Total Dissolved Solids =	1910	mg/l	(measured)
TDS/ion sum ratio =	1.21		
Electrical Cond =	2560	umh/cm	(measured)
TDS/EC ratio =	0.746		

PINNACLE Inc.
Environmental Testing

Pinnacle Lab ID number **801069**
February 29, 2008

LODESTAR
26 CR 3500
FLORA VISTA, NM 87415

Project Name FORMER REFINERY
Project Number (NONE)

Attention: MARTIN NEE/BILL ROBERTSON

On 01/17/2008 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Methods 601/602 and 150.1 analyses were performed by Pinnacle Laboratories, Inc. (PLI).

All remaining analyses were performed by Flowers Chemical Laboratories, Inc. (FCL), Altamonte Springs, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

RECEIVED
MAR 04 2008

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www.pinnaclelabs.org www.pinnaclelabsonline.com

PINNACLE LABS
Environmental Testing

CLIENT	: LODESTAR	PINNACLE ID	: 801069
PROJECT #	: (NONE)	DATE RECEIVED	: 01/17/2008
PROJECT NAME	: FORMER REFINERY	REPORT DATE	: 02/29/2008

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
801069 - 01	GBR 30	AQUEOUS	01/15/2008
801069 - 02	GBR-51	AQUEOUS	01/14/2008
801069 - 03	GRW-3	AQUEOUS	01/14/2008
801069 - 04	EFFLUENT	AQUEOUS	01/15/2008
801069 - 05	SHS-19	AQUEOUS	01/15/2008

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PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR	PINNACLE I.D.	: 801069
PROJECT #	: (NONE)	DATE RECEIVED	: 01/17/08
PROJECT NAME	: FORMER REFINERY	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
01	GBR 30	AQUEOUS	01/15/08	01/17/08
02	GBR-51	AQUEOUS	01/14/08	01/17/08
03	GRW-3	AQUEOUS	01/14/08	01/17/08

PARAMETER	GBR 30	GBR-51	GRW-3
PH (150.1)	6.9	7.4	7.4
TEMPERATURE (°C)	16.6	16.7	17.1

CHEMIST NOTES:
N/A

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PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR	PINNACLE I.D.	: 801069
PROJECT #	: (NONE)	DATE RECEIVED	: 01/17/08
PROJECT NAME	: FORMER REFINERY	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
04	EFFLUENT	AQUEOUS	01/15/08	01/17/08
05	SHS-19	AQUEOUS	01/15/08	01/17/08

PARAMETER	EFFLUENT	SHS-19
PH (150.1)	7.3	7.4
TEMPERATURE (°C)	17.1	17.7

CHEMIST NOTES:
N/A

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PINNACLE Labs
Environmental Testing

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: LODESTAR	PINNACLE I.D.	: 801069
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: FORMER REFINERY	DATE ANALYZED	: 01/17/08

PARAMETER	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH (150.1)	801069-04	7.32	7.36	1
TEMPERATURE (°C)		17.1	16.9	

CHEMIST NOTES:
N/A

$$\text{Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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PINNACLE Labs
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602 BY 624
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : FORMER REFINERY

PINNACLE I.D. : 801069
ANALYST : STH

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	GBR 30	AQUEOUS	01/15/2008	NA	01/21/2008	1
02	GBR-51	AQUEOUS	01/14/2008	NA	01/21/2008	1
03	GRW-3	AQUEOUS	01/14/2008	NA	01/21/2008	1

PARAMETER	DET. LIMIT	UNITS	GBR 30	GBR-51	GRW-3
METHYL -t-BUTYL ETHER	0.5	UG/L	< 0.5	< 0.5	< 0.5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOTAL XYLENES	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
METHYLENE CHLORIDE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
BROMODICHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,2-DIBROMOETHANE (EDB)	1.0	UG/L	< 1.0	< 1.0	< 1.0
TETRACHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	2.0	UG/L	< 2.0	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,3-DICHLOROBENZENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
SURROGATE % RECOVERY					
1,2-Dichloroethane-d4			102	85	98
SURROGATE LIMITS	(76 - 114)				
Toluene-d8			90	**87-S4**	95
SURROGATE LIMITS	(88 - 110)				
Bromofluorobenzene			98	94	102
SURROGATE LIMITS	(86 - 115)				

S4 = Surrogate out due to confirmed matrix effects.

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602 BY 624
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : FORMER REFINERY

PINNACLE I.D. : 801069
ANALYST : STH

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	EFFLUENT	AQUEOUS	01/15/2008	NA	01/21/2008	1
05	SHS-19	AQUEOUS	01/15/2008	NA	01/21/2008	1

PARAMETER	DET. LIMIT	UNITS	EFFLUENT	SHS-19
METHYL -t-BUTYL ETHER	0.5	UG/L	< 0.5	< 0.5
BENZENE	0.5	UG/L	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5
TOTAL XYLENES	1.0	UG/L	< 1.0	< 1.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	1.0	UG/L	< 1.0	< 1.0
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5	< 0.5
METHYLENE CHLORIDE	1.0	UG/L	< 1.0	< 1.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	0.5	UG/L	< 0.5	< 0.5
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2
1,2-DICHLOROPROPANE	1.0	UG/L	< 1.0	< 1.0
TRICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0
BROMODICHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0
CIS-1,3-DICHLOROPROPENE	1.0	UG/L	< 1.0	< 1.0
TRANS-1,3-DICHLOROPROPENE	1.0	UG/L	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	2.0	UG/L	< 2.0	< 2.0
1,2-DIBROMOETHANE (EDB)	1.0	UG/L	< 1.0	< 1.0
TETRACHLOROETHENE	1.0	UG/L	< 1.0	< 1.0
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5
BROMOFORM	2.0	UG/L	< 2.0	< 2.0
1,1,2,2-TETRACHLOROETHANE	1.0	UG/L	< 1.0	< 1.0
1,3-DICHLOROBENZENE	1.0	UG/L	< 1.0	< 1.0
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5
1,2-DICHLOROBENZENE	1.0	UG/L	< 1.0	< 1.0
SURROGATE % RECOVERY				
1,2-Dichloroethane-d4			93	105
SURROGATE LIMITS	(76 - 114)			
Toluene-d8			90	97
SURROGATE LIMITS	(88 - 110)			
Bromofluorobenzene			97	108
SURROGATE LIMITS	(86 - 115)			

CHEMIST NOTES: N/A

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Environmental Testing

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602 BY 624	PINNACLE I.D.	: 801069
BLANK I.D.	: 012108A	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 01/21/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: FORMER REFINERY	ANALYST	: STH

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	< 0.5
BENZENE	UG/L	< 0.5
TOLUENE	UG/L	< 0.5
ETHYLBENZENE	UG/L	< 0.5
TOTAL XYLENES	UG/L	< 1.0
CHLOROMETHANE	UG/L	< 1.0
VINYL CHLORIDE	UG/L	< 0.5
BROMOMETHANE	UG/L	< 1.0
CHLOROETHANE	UG/L	< 1.0
TRICHLOROFLUOROMETHANE	UG/L	< 1.0
1,1-DICHLOROETHENE	UG/L	< 0.5
METHYLENE CHLORIDE	UG/L	< 1.0
TRANS-1,2-DICHLOROETHENE	UG/L	< 1.0
1,1-DICHLOROETHANE	UG/L	< 0.5
CHLOROFORM	UG/L	< 0.5
1,2-DICHLOROETHANE (EDC)	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	UG/L	< 0.5
CARBON TETRACHLORIDE	UG/L	< 0.2
1,2-DICHLOROPROPANE	UG/L	< 1.0
TRICHLOROETHENE	UG/L	< 1.0
BROMODICHLOROMETHANE	UG/L	< 1.0
CIS-1,3-DICHLOROPROPENE	UG/L	< 1.0
TRANS-1,3-DICHLOROPROPENE	UG/L	< 1.0
1,1,2-TRICHLOROETHANE	UG/L	< 1.0
DIBROMOCHLOROMETHANE	UG/L	< 2.0
1,2-DIBROMOETHANE (EDB)	UG/L	< 1.0
TETRACHLOROETHENE	UG/L	< 1.0
CHLOROBENZENE	UG/L	< 0.5
BROMOFORM	UG/L	< 2.0
1,1,2,2-TETRACHLOROETHANE	UG/L	< 1.0
1,3-DICHLOROBENZENE	UG/L	< 1.0
1,4-DICHLOROBENZENE	UG/L	< 0.5
1,2-DICHLOROBENZENE	UG/L	< 1.0

SURROGATE % RECOVERY		
1,2-Dichloroethane-d4		101
SURROGATE LIMITS	(76 - 114)	
Toluene-d8		94
SURROGATE LIMITS	(88 - 110)	
Bromofluorobenzene		102
SURROGATE LIMITS	(86 - 115)	

N/A

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PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 601/602 BY 624	PINNACLE I.D.	: 801069
SAMPLE ID	: 801069-01	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 01/21/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: FORMER REFINERY	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
METHYL -t-BUTYL ETHER	<0.5	40.0	44.4	111	44.4	111	0	(70 - 130)	20
BENZENE	<0.5	40.0	34.9	87	35.0	88	0	(39 - 150)	20
TOLUENE	<0.5	40.0	38.0	95	37.9	95	0	(46 - 148)	20
ETHYLBENZENE	<0.5	40.0	40.8	102	41.6	104	2	(32 - 160)	20
TOTAL XYLENES	<1.0	120	130	108	130	108	0	(80 - 120)	20
CHLOROMETHANE	<1.0	40.0	35.0	88	36.3	91	4	(D - 193)	20
VINYL CHLORIDE	<0.5	40.0	36.9	92	38.0	95	3	(28 - 163)	20
BROMOMETHANE	<1.0	40.0	37.4	94	38.5	96	3	(D - 144)	20
CHLOROETHANE	<1.0	40.0	35.9	90	37.0	92	3	(46 - 137)	20
TRICHLOROFLUOROMETHANE	<1.0	40.0	53.3	133	56.1	140	5	(21 - 156)	20
1,1-DICHLOROETHENE	<0.5	40.0	42.4	106	42.8	107	1	(28 - 167)	20
METHYLENE CHLORIDE	<1.0	40.0	48.1	120	51.2	128	6	(25 - 162)	20
TRANS-1,2-DICHLOROETHENE	<1.0	40.0	35.1	88	36.3	91	3	(38 - 155)	20
1,1-DICHLOROETHANE	<0.5	40.0	38.3	96	39.2	98	2	(47 - 132)	20
CHLOROFORM	<0.5	40.0	43.9	110	44.1	110	0	(49 - 133)	20
1,2-DICHLOROETHANE (EDC)	<0.5	40.0	53.4	133	54.7	137	2	(51 - 147)	20
1,1,1-TRICHLOROETHANE	<0.5	40.0	57.4	**144-M4**	58.2	**145-M4**	1	(41 - 138)	20
CARBON TETRACHLORIDE	<0.2	40.0	59.3	**148-M4**	60.8	**152-M4**	3	(43 - 143)	20
1,2-DICHLOROPROPANE	<1.0	40.0	35.5	89	34.1	85	4	(44 - 156)	20
TRICHLOROETHENE	<1.0	40.0	41.1	103	42.6	107	4	(35 - 146)	20
BROMODICHLOROMETHANE	<1.0	40.0	45.5	114	45.7	114	1	(42 - 172)	20
CIS-1,3-DICHLOROPROPENE	<1.0	40.0	38.5	96	39.6	99	3	(22 - 178)	20
TRANS-1,3-DICHLOROPROPENE	<1.0	40.0	44.6	112	42.6	107	5	(22 - 178)	20
1,1,2-TRICHLOROETHANE	<1.0	40.0	37.5	94	36.4	91	3	(39 - 136)	20
DIBROMOCHLOROMETHANE	<2.0	40.0	44.4	111	43.0	108	3	(24 - 191)	20
1,2-DIBROMOETHANE (EDB)	<1.0	40.0	42.2	105	42.2	106	0	(80 - 120)	20
TETRACHLOROETHENE	<1.0	40.0	33.8	84	33.5	84	1	(26 - 162)	20
CHLOROBENZENE	<0.5	40.0	41.6	104	42.4	106	2	(38 - 150)	20
BROMOFORM	<2.0	40.0	40.7	102	38.7	97	5	(13 - 159)	20
1,1,2,2-TETRACHLOROETHANE	<1.0	40.0	37.7	94	35.3	88	6	(8 - 184)	20
1,3-DICHLOROBENZENE	<1.0	40.0	39.8	100	41.5	104	4	(7 - 187)	20
1,4-DICHLOROBENZENE	<0.5	40.0	39.1	98	40.8	102	4	(42 - 143)	20
1,2-DICHLOROBENZENE	<1.0	40.0	42.7	107	41.7	104	3	(D - 208)	20

CHEMIST NOTES:
M4 = %REC is outside of PLI criteria.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801069
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57691

Report Summary

Date Received: Jan 18, 2008

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	SampleMatrix
57691GW1	GBR-30/801069-01	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
		XBNE	CDG	Main Lab	
57691GW2	GBR-51/801069-02	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57691GW3	GRW-3/801069-03	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA8270	CLS	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
		XBNE	CDG	Main Lab	
57691GW4	SHS-19/801069-05	EPA120.1	LCC	Main Lab	Ground Water
		EPA375.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
57691WW1	Effluent/801069-04	EPA120.1	LCC	Main Lab	Waste Water
		EPA200.7	EVB	Main Lab	
		EPA200.8	EVB	Main Lab	
		EPA245.1	EVB	Main Lab	
		EPA375.2	PCW	Main Lab	
		EPA8270	CLS	Main Lab	
		SM2320B	CCP	Main Lab	
		SM2540C	RMV	Main Lab	
		SM4500CIE	VLB	Main Lab	
		XBNE	CDG	Main Lab	

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801069
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57691

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

ACCREDITED IN ACCORDANCE WITH

Jefferson S. Flowers, Ph.D.
President/Technical Director

FLOWERS CHEMICAL LABORATORIES INC.

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801069
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57691

Analysis Report

Lab #: 57691GW1 Sampled: 01/15/08 09:02 AMDesc: GBR-30/801069-01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	3010	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Calcium	433	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-70-2	01/22/08
Magnesium	40.3	mg/L	1.00	0.0100	0.0200	10097113	EPA6010	7439-95-4	01/22/08
Potassium	4.69	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-09-7	01/22/08
Sodium	411	mg/L	1.00	0.500	1.00	10097113	EPA6010	7440-23-5	01/22/08
Total Hardness (as CaCO3)	1250	mg/L	1.00	1.00	2.00	10097113	EPA6010	40-11-9	01/22/08
Base_Neutral_Extraction	1000	mL	1.00			10097179	XBNE		01/21/08
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	090-12-0	01/25/08
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-57-6	01/25/08
Acenaphthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	83-32-9	01/25/08
Acenaphthylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	208-96-8	01/25/08
Anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	120-12-7	01/25/08
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	56-55-3	01/25/08
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	50-32-8	01/25/08
Benzo(b)fluoranthene	0.100 U	ug/L	1.00	0.100	0.200	10097367	EPA8270	205-99-2	01/25/08
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	191-24-2	01/25/08
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	207-08-9	01/25/08
Chrysene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	218-01-9	01/25/08
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	53-70-3	01/25/08
Fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	206-44-0	01/25/08
Fluorene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	86-73-7	01/25/08
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	193-39-5	01/25/08
Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-20-3	01/25/08
Phenanthrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	85-01-8	01/25/08
Pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	129-00-0	01/25/08
Surr:2-Fluorobiphenyl (28-172%)	80.18%		1.00	0.0100	0.0200	10097367	EPA8270	321-60-8	01/25/08
Surr:Nitrobenzene-d5 (100-294%)	107.46%		1.00	0.0100	0.400	10097367	EPA8270		01/25/08

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801069
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57691

Lab #: 57691GW1 Sampled: 01/15/08 09:02 AMDesc: GBR-30/801069-01

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Surr:Terphenyl-d14 (24-224%)	50.66%		1.00	0.0100	0.0200	10097367	EPA8270		01/25/08
Specific_Conductance	3880	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	262	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	263	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	212	mg/L	20.0	100	200	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	1290	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

Lab #: 57691GW2 Sampled: 01/14/08 02:58 PMDesc: GBR-51/801069-02

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	2460	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Calcium	372	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-70-2	01/22/08
Magnesium	29.0	mg/L	1.00	0.0100	0.0200	10097113	EPA6010	7439-95-4	01/22/08
Potassium	1.59	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-09-7	01/22/08
Sodium	298	mg/L	1.00	0.500	1.00	10097113	EPA6010	7440-23-5	01/22/08
Total Hardness (as CaCO3)	1050	mg/L	1.00	1.00	2.00	10097113	EPA6010	40-11-9	01/22/08
Specific_Conductance	3160	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	221	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	222	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	60.8	mg/L	1.00	5.00	10.0	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	1270	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

Lab #: 57691GW3 Sampled: 01/14/08 03:23 PMDesc: GRW-3/801069-03

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	3210	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Calcium	351	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-70-2	01/22/08

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801069
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57691

Lab #: 57691GW3 Sampled: 01/14/08 03:23 PMBasis: GRW-3/801069-03

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Magnesium	19.0	mg/L	1.00	0.0100	0.0200	10097113	EPA6010	7439-95-4	01/22/08
Potassium	4.66	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-09-7	01/22/08
Sodium	589	mg/L	1.00	0.500	1.00	10097113	EPA6010	7440-23-5	01/22/08
Total Hardness (as CaCO3)	955	mg/L	1.00	1.00	2.00	10097113	EPA6010	40-11-9	01/22/08
Base_Neutral_Extraction	1000	mL	1.00			10097179	XBNE		01/21/08
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	090-12-0	01/25/08
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-57-6	01/25/08
Acenaphthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	83-32-9	01/25/08
Acenaphthylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	208-96-8	01/25/08
Anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	120-12-7	01/25/08
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	56-55-3	01/25/08
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	50-32-8	01/25/08
Benzo(b)fluoranthene	0.100 U	ug/L	1.00	0.100	0.200	10097367	EPA8270	205-99-2	01/25/08
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	191-24-2	01/25/08
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	207-08-9	01/25/08
Chrysene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	218-01-9	01/25/08
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	53-70-3	01/25/08
Fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	206-44-0	01/25/08
Fluorene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	86-73-7	01/25/08
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	193-39-5	01/25/08
Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-20-3	01/25/08
Phenanthrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	85-01-8	01/25/08
Pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	129-00-0	01/25/08
Surr:2-Fluorobiphenyl (28-172%)	82.10%		1.00	0.0100	0.0200	10097367	EPA8270	321-60-8	01/25/08
Surr:Nitrobenzene-d5 (100-294%)	114.32%		1.00	0.0100	0.400	10097367	EPA8270		01/25/08
Surr:Terphenyl-d14 (24-224%)	65.48%		1.00	0.0100	0.0200	10097367	EPA8270		01/25/08
Specific_Conductance	4110	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	290	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08

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2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801069
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57691

Lab #: 57691GW3 Sampled: 01/14/08 03:23 PMDesc: GRW-3/801069-03

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	290	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	35.3	mg/L	1.00	5.00	10.0	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	1800	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

Lab #: 57691GW4 Sampled: 01/15/08 10:08 AMDesc: SHS-19/801069-05

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	1630	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Calcium	144	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-70-2	01/22/08
Magnesium	22.3	mg/L	1.00	0.0100	0.0200	10097113	EPA6010	7439-95-4	01/22/08
Potassium	1.37	mg/L	1.00	0.100	0.200	10097113	EPA6010	7440-09-7	01/22/08
Sodium	404	mg/L	1.00	0.500	1.00	10097113	EPA6010	7440-23-5	01/22/08
Total Hardness (as CaCO3)	451	mg/L	1.00	1.00	2.00	10097113	EPA6010	40-11-9	01/22/08
Specific_Conductance	2640	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	838	mg/L	1.00	0.100	0.200	10097408	SM2320B	E1640226	01/24/08
Carbonate CaCO3	1.99	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097408	SM2320B		01/24/08
Total Alkalinity CaCO3	840	mg/L	1.00	0.100	0.200	10097408	SM2320B	T-005	01/24/08
Chloride	94.3	mg/L	1.00	5.00	10.0	10098006	SM4500CIE	16887-00-6	02/02/08
Sulfate	453	mg/L	10.0	50.0	100	10098055	EPA375.2	14808-79-8	02/06/08

Lab #: 57691WW1 Sampled: 01/15/08 09:48 AMDesc: Effluent/801069-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
TDS	2430	mg/L	1.00	2.50	5.00	10097051	SM2540C	10-33-3	01/21/08
Mercury	0.0000170 U	mg/L	1.00	0.0000170	0.0000400	10097106	EPA245.1	7439-97-6	01/22/08
Calcium	232	mg/L	1.00	0.100	0.200	10097116	EPA200.7	7440-70-2	01/22/08
Calcium Hardness CaCO3	578	mg/L	1.00	1.00	2.00	10097116	EPA200.7		01/22/08
Magnesium	22.3	mg/L	1.00	0.0100	0.0200	10097116	EPA200.7	7439-95-4	01/22/08
Potassium	2.51	mg/L	1.00	0.100	0.200	10097116	EPA200.7	7440-09-7	01/22/08

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Pinnacle Laboratories
2709 D Pan American Freeway NE
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PO #: 801069
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57691

Lab #: 57691WW1 Sampled: 01/15/08 09:48 AMDesc: Effluent/801069-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Sodium	406	mg/L	1.00	0.500	1.00	10097116	EPA200.7	7440-23-5	01/22/08
Base_Neutral_Extraction	1000	mL	1.00			10097179	XBNE		01/21/08
1-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	090-12-0	01/25/08
2-methyl-Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-57-6	01/25/08
Acenaphthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	83-32-9	01/25/08
Acenaphthylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	208-96-8	01/25/08
Anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	120-12-7	01/25/08
Benzo(a)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	56-55-3	01/25/08
Benzo(a)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	50-32-8	01/25/08
Benzo(b)fluoranthene	0.100 U	ug/L	1.00	0.100	0.200	10097367	EPA8270	205-99-2	01/25/08
Benzo(g,h,i)perylene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	191-24-2	01/25/08
Benzo(k)fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	207-08-9	01/25/08
Chrysene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	218-01-9	01/25/08
Dibenz(a,h)anthracene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	53-70-3	01/25/08
Fluoranthene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	206-44-0	01/25/08
Fluorene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	86-73-7	01/25/08
Indeno(1,2,3-cd)pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	193-39-5	01/25/08
Naphthalene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	91-20-3	01/25/08
Phenanthrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	85-01-8	01/25/08
Pyrene	0.200 U	ug/L	1.00	0.200	0.400	10097367	EPA8270	129-00-0	01/25/08
Surr:2-Fluorobiphenyl (28-172%)	77.28%		1.00	0.0100	0.0200	10097367	EPA8270	321-60-8	01/25/08
Surr:Nitrobenzene-d5 (100-294%)	107.74%		1.00	0.0100	0.400	10097367	EPA8270		01/25/08
Surr:Terphenyl-d14 (24-224%)	68.68%		1.00	0.0100	0.0200	10097367	EPA8270		01/25/08
Specific_Conductance	3430	umhos/cm	1.00	1.00	2.00	10097392	EPA120.1	10-34-4	01/25/08
Bicarbonate Alkalinity	492	mg/L	1.00	0.100	0.200	10097409	SM2320B	E1640226	01/24/08
Carbonate CaCO3	1.64	mg/L	1.00	0.100	0.200	10097409	SM2320B		01/24/08
Hydroxide CaCO3	0.100 U	mg/L	1.00	0.100	0.200	10097409	SM2320B		01/24/08
Total Alkalinity CaCO3	494	mg/L	1.00	0.100	0.200	10097409	SM2320B	T-005	01/24/08
Antimony	0.00100 U	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-36-0	01/29/08

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Pinnacle Laboratories
2709 D Pan American Freeway NE
Albuquerque,NM 87107

PO #: 801069
Client Project #: LODE
Date Sampled: Jan 14, 2008
Feb 26, 2008; Invoice: 57691

Lab #: 57691WW1 Sampled: 01/15/08 09:45 AMDesc: Effluent/801069-04

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Arsenic	0.00230	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-38-2	01/29/08
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10097560	EPA200.8	7440-41-7	01/29/08
Cadmium	0.00100 U	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-43-9	01/29/08
Chromium	0.00292	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-47-3	01/29/08
Copper	0.00410	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-50-8	01/29/08
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7439-92-1	01/29/08
Nickel	0.0144	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-02-0	01/29/08
Selenium	0.00840	mg/L	1.00	0.00200	0.00400	10097560	EPA200.8	7782-49-2	01/29/08
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10097560	EPA200.8	7440-22-4	01/29/08
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10097560	EPA200.8	7440-28-0	01/29/08
Zinc	0.0205	mg/L	1.00	0.0100	0.0200	10097560	EPA200.8	7440-66-6	01/29/08
Chloride	87.7	mg/L	1.00	5.00	10.0	10098007	SM4500CIE	16887-00-6	02/02/08
Sulfate	1090	mg/L	100	500	1000	10098056	EPA375.2	14808-79-8	02/06/08

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Quality Report

Quality Control Batch: 10097051	Analyst: RMV							
Blank	**Result**	**Units**						
TDS	2.50U	mg/L						
Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**			
TDS	1480	mg/L	1500	98.40	91.37-104.26			

Quality Control Batch: 10097106	Analyst: EVB							
Blank	**Result**	**Units**						
Mercury	0.0000170U	mg/L						
Laboratory Control Sample	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**			
Mercury	0.00310	mg/L	0.00300	103.30	92.96-111.03			
Matrix Spike	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**		
Mercury	0.00302	mg/L	0.00300	100.70	91.53-113.30	0.0000170U		
Matrix Spike Duplicate	**Result**	**Units**	**Spike**	**%REC**	**%REC Lim**	**Sample**	**RPD**	**RPD Lim**
Mercury	0.00304	mg/L	0.00300	101.40	91.53-113.30	0.0000170U	0.69	7.47

Quality Control Batch: 10097113	Analyst: EVB	
Blank	**Result**	**Units**
Calcium	0.100U	mg/L
Magnesium	0.0100U	mg/L
Potassium	0.100U	mg/L
Sodium	0.500U	mg/L
Total Hardness (as CaCO3)	1.00U	mg/L

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Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Calcium	0.989	mg/L	1.00	98.87	83.92-117.64
Magnesium	0.972	mg/L	1.00	97.21	87.31-118.85
Potassium	8.76	mg/L	10.0	87.58	79.90-114.82
Sodium	0.924	mg/L	1.00	92.42	78.62-112.15
Total Hardness (as CaCO3)	6.47	mg/L	6.62	97.84	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Calcium	55.2	mg/L	5.00	104.23	38.12-158.26	50.0
Magnesium	15.7	mg/L	5.00	106.69	56.63-150.61	10.3
Potassium	12.9	mg/L	5.00	98.41	43.39-154.88	7.95
Sodium	57.9	mg/L	5.00	99.12	37.63-161.64	53.0

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Calcium	55.2	mg/L	5.00	104.19	38.12-158.26	50.0	0.00	13.18
Magnesium	15.7	mg/L	5.00	106.50	56.63-150.61	10.3	0.06	14.99
Potassium	12.8	mg/L	5.00	97.02	43.39-154.88	7.95	0.54	23.53
Sodium	57.9	mg/L	5.00	98.43	37.63-161.64	53.0	0.06	19.20

Quality Control Batch: 10097110 **Analyst:** EVB

Blank	Result	Units
Calcium	0.100U	mg/L
Magnesium	0.0100U	mg/L
Potassium	0.100U	mg/L
Sodium	0.500U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Calcium	0.989	mg/L	1.00	98.87	78.97-114.70
Magnesium	0.972	mg/L	1.00	97.21	85.74-116.82
Potassium	8.76	mg/L	10.0	87.58	82.40-115.28
Sodium	0.924	mg/L	1.00	92.42	77.47-114.43

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Quality Control Batch: 100971 10 **Analyst: EVB**

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Calcium	55.2	mg/L	5.00	104.23	27.68-167.72	50.0
Magnesium	15.7	mg/L	5.00	106.69	53.84-157.37	10.3
Potassium	12.9	mg/L	5.00	98.41	27.38-162.00	7.95
Sodium	57.9	mg/L	5.00	99.12	37.32-161.89	53.0

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Calcium	55.2	mg/L	5.00	104.19	27.68-167.72	50.0	0.00	26.07
Magnesium	15.7	mg/L	5.00	106.50	53.84-157.37	10.3	0.06	31.28
Potassium	12.8	mg/L	5.00	97.02	27.38-162.00	7.95	0.54	34.44
Sodium	57.9	mg/L	5.00	98.43	37.32-161.89	53.0	0.06	20.02

Quality Control Batch: 100973 67 **Analyst: CLS**

Blank	Result	Units
Acenaphthene	0.200U	ug/L
Acenaphthylene	0.200U	ug/L
Anthracene	0.200U	ug/L
Benzo(a)anthracene	0.200U	ug/L
Benzo(a)pyrene	0.200U	ug/L
Benzo(b)fluoranthene	0.100U	ug/L
Benzo(g,h,i)perylene	0.200U	ug/L
Benzo(k)fluoranthene	0.200U	ug/L
Chrysene	0.200U	ug/L
Dibenz(a,h)anthracene	0.200U	ug/L
Fluoranthene	0.200U	ug/L
Fluorene	0.200U	ug/L
Indeno(1,2,3-cd)pyrene	0.200U	ug/L
Naphthalene	0.200U	ug/L
Phenanthrene	0.200U	ug/L

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Quality Control Batch: 10097387 Analyst: CLS

Blank	Result	Units
Pyrene	0.200U	ug/L
1-methyl-Naphthalene	0.200U	ug/L
2-methyl-Naphthalene	0.200U	ug/L
Surr:Nitrobenzene-d5	53.0	ug/L
Surr:Terphenyl-d14	57.9	ug/L
Surr:2-Fluorobiphenyl	38.7	ug/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acenaphthene	46.9	ug/L	50.0	93.80	19.43-110.82
Acenaphthylene	56.2	ug/L	50.0	112.48	80.00-120.00
Anthracene	53.1	ug/L	50.0	106.12	35.89-115.69
Benzo(a)anthracene	35.1	ug/L	50.0	70.26	41.93-129.99
Benzo(a)pyrene	59.8	ug/L	50.0	119.56	39.40-119.98
Benzo(b)fluoranthene	52.8	ug/L	50.0	105.66	31.36-135.33
Benzo(g,h,i)perylene	47.0	ug/L	50.0	94.02	46.39-130.38
Benzo(k)fluoranthene	37.3	ug/L	50.0	74.68	33.95-145.70
Chrysene	44.7	ug/L	50.0	89.40	46.72-133.45
Dibenz(a,h)anthracene	42.9	ug/L	50.0	85.76	37.64-133.88
Fluoranthene	55.4	ug/L	50.0	110.72	24.34-134.54
Fluorene	63.2	ug/L	50.0	126.32	19.06-111.20
Indeno(1,2,3-cd)pyrene	51.8	ug/L	50.0	103.50	37.85-131.90
Naphthalene	47.5	ug/L	50.0	94.98	19.50-98.77
Phenanthrene	52.6	ug/L	50.0	105.20	33.33-113.56
Pyrene	51.2	ug/L	50.0	102.34	42.73-127.70
1-methyl-Naphthalene	46.4	ug/L	50.0	92.72	21.79-99.13
2-methyl-Naphthalene	49.5	ug/L	50.0	99.08	18.17-99.78
Surr:Nitrobenzene-d5	50.0	ug/L	50.0	99.90	54.20-138.20
Surr:Terphenyl-d14	44.7	ug/L	50.0	89.32	37.97-143.50
Surr:2-Fluorobiphenyl	36.2	ug/L	50.0	72.44	18.75-110.25

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Quality Control Batch: 10097367 Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acenaphthene	53.4	ug/L	50.0	106.86	24.01-102.00	0.200U
Acenaphthylene	58.2	ug/L	50.0	116.40	80.00-120.00	0.200U
Anthracene	45.9	ug/L	50.0	91.80	36.36-119.37	0.200U
Benzo(a)anthracene	24.5	ug/L	50.0	49.06	22.93-131.37	0.200U
Benzo(a)pyrene	40.5	ug/L	50.0	80.94	28.55-113.30	0.200U
Benzo(b)fluoranthene	44.5	ug/L	50.0	89.00	33.90-132.20	0.100U
Benzo(g,h,i)perylene	29.6	ug/L	50.0	59.16	29.74-126.60	0.200U
Benzo(k)fluoranthene	24.5	ug/L	50.0	48.92	1.00-172.28	0.200U
Chrysene	33.6	ug/L	50.0	67.10	21.81-143.20	0.200U
Dibenz(a,h)anthracene	26.5	ug/L	50.0	53.02	14.09-128.46	0.200U
Fluoranthene	41.9	ug/L	50.0	83.78	20.92-125.32	0.200U
Fluorene	61.6	ug/L	50.0	123.14	15.17-114.79	0.200U
Indeno(1,2,3-cd)pyrene	31.9	ug/L	50.0	63.86	13.90-145.82	0.200U
Naphthalene	52.4	ug/L	50.0	104.70	9.17-110.12	0.200U
Phenanthrene	47.0	ug/L	50.0	93.90	19.47-133.87	0.200U
Pyrene	41.1	ug/L	50.0	82.20	21.53-149.12	0.200U
1-methyl-Naphthalene	50.7	ug/L	50.0	101.42	10.68-99.34	0.200U
2-methyl-Naphthalene	51.1	ug/L	50.0	102.28	22.29-86.35	0.200U
Surr:Nitrobenzene-d5	60.2	ug/L	50.0	120.38	48.30-142.10	
Surr:Terphenyl-d14	27.1	ug/L	50.0	54.16	16.08-149.12	
Surr:2-Fluorobiphenyl	41.4	ug/L	50.0	82.86	16.08-95.65	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acenaphthene	52.4	ug/L	50.0	104.72	24.01-102.00	0.200U	2.02	20.00
Acenaphthylene	62.6	ug/L	50.0	125.28	80.00-120.00	0.200U	7.35	20.00
Anthracene	43.2	ug/L	50.0	86.42	36.36-119.37	0.200U	6.04	20.00
Benzo(a)anthracene	22.4	ug/L	50.0	44.84	22.93-131.37	0.200U	8.99	20.00
Benzo(a)pyrene	34.4	ug/L	50.0	68.72	28.55-113.30	0.200U	16.33	20.00
Benzo(b)fluoranthene	40.4	ug/L	50.0	80.82	33.90-132.20	0.100U	9.63	20.00

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Quality Control Batch: 10097367 **Analyst: CLS**

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Benzo(g,h,i)perylene	26.5	ug/L	50.0	53.08	29.74-126.60	0.200U	10.83	20.00
Benzo(k)fluoranthene	22.2	ug/L	50.0	44.42	1.00-172.28	0.200U	9.64	20.00
Chrysene	27.2	ug/L	50.0	54.36	21.81-143.20	0.200U	20.98	20.00
Dibenz(a,h)anthracene	22.1	ug/L	50.0	44.12	14.09-128.46	0.200U	18.32	20.00
Fluoranthene	37.5	ug/L	50.0	75.06	20.92-125.32	0.200U	10.98	20.00
Fluorene	60.5	ug/L	50.0	120.94	15.17-114.79	0.200U	1.80	20.00
Indeno(1,2,3-cd)pyrene	26.5	ug/L	50.0	52.90	13.90-145.82	0.200U	18.77	20.00
Naphthalene	55.3	ug/L	50.0	110.56	9.17-110.12	0.200U	5.44	20.00
Phenanthrene	44.2	ug/L	50.0	88.42	19.47-133.87	0.200U	6.01	20.00
Pyrene	36.5	ug/L	50.0	73.02	21.53-149.12	0.200U	11.83	20.00
1-methyl-Naphthalene	55.3	ug/L	50.0	110.56	10.68-99.34	0.200U	8.62	20.00
2-methyl-Naphthalene	53.7	ug/L	50.0	107.44	22.29-88.35	0.200U	4.92	20.00
Surr:Nitrobenzene-d5	67.1	ug/L	50.0	134.18	48.30-142.10		10.84	20.00
Surr:Terphenyl-d14	27.2	ug/L	50.0	54.40	16.08-149.12		0.44	20.00
Surr:2-Fluorobiphenyl	46.3	ug/L	50.0	92.56	16.08-95.65		11.06	20.00

Quality Control Batch: 10097409 **Analyst: CCP**

Blank	Result	Units
Total Alkalinity CaCO3	0.100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Total Alkalinity CaCO3	106	mg/L	100	106.11	79.90-119.80

Quality Control Batch: 10097409 **Analyst: CCP**

Blank	Result	Units
Total Alkalinity CaCO3	0.100U	mg/L

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Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Total Alkalinity CaCO3	106	mg/L	100	106.11	79.90-119.80

Quality Control Batch: 10087580 **Analyst: EVB**

Blank	Result	Units
Antimony	0.00100U	mg/L
Arsenic	0.00100U	mg/L
Beryllium	0.000500U	mg/L
Cadmium	0.00100U	mg/L
Chromium	0.00100U	mg/L
Copper	0.00100U	mg/L
Lead	0.00100U	mg/L
Nickel	0.00100U	mg/L
Selenium	0.00200U	mg/L
Silver	0.000500U	mg/L
Thallium	0.00100U	mg/L
Zinc	0.0100U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Antimony	0.113	mg/L	0.100	113.47	80.03-120.75
Arsenic	0.107	mg/L	0.100	107.11	81.93-119.74
Beryllium	0.112	mg/L	0.100	111.67	86.22-131.89
Cadmium	0.105	mg/L	0.100	104.61	85.61-121.52
Chromium	0.108	mg/L	0.100	107.99	87.55-121.64
Copper	0.114	mg/L	0.100	114.31	83.47-123.46
Lead	0.103	mg/L	0.100	102.78	85.29-122.99
Nickel	0.115	mg/L	0.100	114.55	83.90-123.41
Selenium	0.107	mg/L	0.100	106.55	80.22-122.56
Silver	0.106	mg/L	0.100	105.84	80.37-121.03
Thallium	0.108	mg/L	0.100	108.24	85.19-125.90

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Quality Control Batch: 100875GD **Analyst: EVB**

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Zinc	0.102	mg/L	0.100	102.21	78.11-124.45

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.0611	mg/L	0.0800	76.39	72.54-138.82	0.00100U
Arsenic	0.0605	mg/L	0.0800	75.58	69.79-148.76	0.00100U
Beryllium	0.0728	mg/L	0.0800	91.04	90.41-153.43	0.000500U
Cadmium	0.0629	mg/L	0.0800	78.56	74.04-138.49	0.00100U
Chromium	0.0572	mg/L	0.0800	71.50	63.98-143.93	0.00100U
Copper	0.257	mg/L	0.0800	71.90	49.86-141.65	0.199
Lead	0.0659	mg/L	0.0800	78.64	65.33-149.14	0.00296
Nickel	0.0629	mg/L	0.0800	74.50	59.18-140.06	0.00328
Selenium	0.0655	mg/L	0.0800	81.86	60.93-152.53	0.00200U
Silver	0.0493	mg/L	0.0800	61.65	45.71-147.09	0.000500U
Thallium	0.0578	mg/L	0.0800	72.25	74.90-159.54	0.00100U
Zinc	0.101	mg/L	0.0800	93.20	49.35-144.25	0.0266

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.0579	mg/L	0.0800	72.32	72.54-138.82	0.00100U	5.46	28.74
Arsenic	0.0583	mg/L	0.0800	72.86	69.79-148.76	0.00100U	3.65	23.88
Beryllium	0.0719	mg/L	0.0800	89.91	90.41-153.43	0.000500U	1.24	23.63
Cadmium	0.0600	mg/L	0.0800	74.99	74.04-138.49	0.00100U	4.66	24.44
Chromium	0.0556	mg/L	0.0800	69.53	63.98-143.93	0.00100U	2.80	24.04
Copper	0.250	mg/L	0.0800	63.89	49.86-141.65	0.199	2.53	24.86
Lead	0.0616	mg/L	0.0800	73.24	65.33-149.14	0.00296	6.78	25.57
Nickel	0.0588	mg/L	0.0800	69.34	59.18-140.06	0.00328	6.79	24.62
Selenium	0.0590	mg/L	0.0800	73.69	60.93-152.53	0.00200U	10.51	27.01
Silver	0.0520	mg/L	0.0800	64.95	45.71-147.09	0.000500U	5.21	29.08
Thallium	0.0543	mg/L	0.0800	67.88	74.90-159.54	0.00100U	6.24	26.75
Zinc	0.0887	mg/L	0.0800	77.70	49.35-144.25	0.0266	13.08	25.37

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Quality Control Batch: 10098007 **Analyst: VLB**

Blank	Result	Units
Chloride	5.00U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Chloride	18.8	mg/L	20.0	94.00	80.00-120.00

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Chloride	58.9	mg/L	50.0	104.41	80.00-120.00	6.69

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chloride	58.3	mg/L	50.0	103.31	80.00-120.00	6.69	0.94	20.00

Quality Control Batch: 10098056 **Analyst: PCW**

Blank	Result	Units
Sulfate	5.00U	mg/L

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Sulfate	62.5	mg/L	60.0	104.17	92.07-106.18

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Sulfate	52.6	mg/L	50.0	103.28	45.70-149.77	0.960

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Sulfate	51.6	mg/L	50.0	101.28	45.70-149.77	0.960	1.92	7.80

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Narrative Report

Sample Handling
Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted. Sample results reported as dissolved were field filtered.

Quality Control
Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments
Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make an accurate determination on the spiked sample.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
ZTNTC	Too numerous to count. Numeric value represents filtration volume.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 1/17/08 Page: 1 of 1

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Ca, Mg, K, Na, Hardness	TOC	Gen Chemistry: SO4, Cl, TDS	Conductivity	Alk + Bicarb	Carb	IOH	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310) 8270 SIMS	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
GBR-30/801069-01	1/15/08	0902	GW	576916W1						X		X	X	X								X							
GBR-51/ -02	1/14/08	1458	↓	57691GW2						X		X	X	X															
GRW-3/ -03	"	1523	↓	57691GW3						X		X	X	X								X							
Effluent/ -04	1/15/08	0948	WW	57691WW1			X			X		X	X	X								X							
SHS-19/ ↓ -05	"	1008	GW	57691GW4						X		X	X	X															

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT #:	801069	Total Number of Containers	
PROJ. NAME:	LODE	Chain of Custody Seals	
QC LEVEL:	STD IV	Received Intact?	
QC REQUIRED:	MS MSD BLANK	Received Good Cond/Cold	
TAT:	STANDARD RUSH!!	LAB NUMBER:	
DUE DATE:	1/31		
RUSH SURCHARGE:	—		
CLIENT DISCOUNT:	—		
SPECIAL CERTIFICATION REQUIRED:	YES (NO)		

COMMENTS:

SAMPLES SENT TO:	
PENSACOLA - STL-FL	
ESL - OR	
ATEL - AZ	
ATEL - MARION	
ATEL - MELMORE	
FCL	X
EHL	
GEL	
WCAS	
WOHL	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Francine Tenorio Time: 1700	Signature: Time:
Printed Name: Francine Tenorio Date: 1/17/08	Printed Name: Date:
Pinnacle Laboratories, Inc.	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**
Signature: 1/18/08 Time: 10:00	Signature: Time:
Printed Name: Robert Carpenter Date:	Printed Name: Date:
Company FCL 2.8°C	Company

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 1/16/08 PAGE: 1 OF ____

PLI Accession #: 8010609

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Martin Nee

COMPANY: Lodestar Services
ADDRESS: 26 CR 3500
Flora Vista NM
PHONE: 505-334-2791
FAX:

BILL TO: Bill Robertson
COMPANY: Giant
ADDRESS: 111 CR 4990
Bloomfield NM 87413

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.
GBR 30	011508	0902	WG	01
GBR-51	011408	1458	WG	02
GRW-3	011408	1523	WG	03
Effluent	011508	0948	WG	04
SHS-19	011508	1008	WG	05

ANALYSIS REQUEST

Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	Hardness Ca, Mg, K, Na (M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	601/602	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry: pH, SO_4, Cl, Alk, Cr, TDS, EC, cations	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:	NUMBER OF CONTAINERS
		X								X							X	X	X					5
		X								X								X	X					4
		X								X								X	X					4
		X								X							X	X	X					4
		X								X							X	X	X	X				5
																			X					2

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION

PROJ. NO.:
PROJ. NAME: Former Refinery
P.O. NO.:
SHIPPED VIA: UPS

SAMPLE RECEIPT

NO CONTAINERS	32
CUSTODY SEALS	Y (N) NA
RECEIVED INTACT	(Y) N
BLUE ICE/ICE	4.3°

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐1 WEEK (NORMAL) ☒
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ | METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

RELINQUISHED BY: 1.
Signature: Time: 1730
Printed Name: Date: 1/16/08
Company:
See Reverse side (Force Majeure)

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: Time: 1034
Printed Name: Date: 1/17/08
Pinnacle Laboratories Inc.

Cation-Anion Balance Worksheet

Accession Number: 801069-01

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	263		
Chloride	212	0.02821	5.98052
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1290	0.02082	26.85780
Carbonate	0	0.03333	0.00000
Bi-Carbonate	262	0.01639	4.29418
	Total Anions =		**37.1325**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	433	0.04990	21.60670
Potassium	4.69	0.02558	0.11997
Magnesium	40.3	0.08229	3.31629
Sodium	411	0.04350	17.87850
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**42.9214572**

Anion/Cation Balance (% difference) =	7.2%	
Total Anions+Cations =	2549 mg/l	(calculated)
Total Dissolved Solids =	2370 mg/l	(measured)
TDS/ion sum ratio =	0.93	
Electrical Cond =	3880 umh/cm	(measured)
TDS/EC ratio =	0.611	

Cation-Anion Balance Worksheet

Accession Number: 801069-02

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	222		
Chloride	60.8	0.02821	1.71517
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1270	0.02082	26.44140
Carbonate	0	0.03333	0.00000
Bi-Carbonate	221	0.01639	3.62219
	Total Anions =		**31.778758**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	372	0.04990	18.56280
Potassium	1.59	0.02558	0.04067
Magnesium	29	0.08229	2.38641
Sodium	298	0.04350	12.96300
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**33.9528822**

Anion/Cation Balance (% difference) =	3.3%	
Total Anions+Cations =	2165 mg/l	(calculated)
Total Dissolved Solids =	2460 mg/l	(measured)
TDS/ion sum ratio =	1.14	
Electrical Cond =	3160 umh/cm	(measured)
TDS/EC ratio =	0.778	

Cation-Anion Balance Worksheet

Accession Number: 801069-03

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	290		
Chloride	35.3	0.02821	0.99581
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1800	0.02082	37.47600
Carbonate	0	0.03333	0.00000
Bi-Carbonate	290	0.01639	4.75310
	Total Anions =		**43.224913**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	351	0.04990	17.51490
Potassium	4.66	0.02558	0.11920
Magnesium	19	0.08229	1.56351
Sodium	589	0.04350	25.62150
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**44.8191128**

Anion/Cation Balance (% difference) =	1.8%	
Total Anions+Cations =	2973 mg/l	(calculated)
Total Dissolved Solids =	3210 mg/l	(measured)
TDS/ion sum ratio =	1.08	
Electrical Cond =	4110 umh/cm	(measured)
TDS/EC ratio =	0.781	

Cation-Anion Balance Worksheet

Accession Number: 801069-04

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	494		
Chloride	87.7	0.02821	2.47402
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1090	0.02082	22.69380
Carbonate	1.64	0.03333	0.05466
Bi-Carbonate	492	0.01639	8.06388
	Total Anions =		**33.2863582**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	232	0.04990	11.57680
Potassium	2.51	0.02558	0.06421
Magnesium	22.3	0.08229	1.83507
Sodium	406	0.04350	17.66100
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**31.1370728**

Anion/Cation Balance (% difference) =	3.3%	
Total Anions+Cations =	2137 mg/l	(calculated)
Total Dissolved Solids =	2430 mg/l	(measured)
TDS/ion sum ratio =	1.14	
Electrical Cond =	3430 umh/cm	(measured)
TDS/EC ratio =	0.708	

Cation-Anion Balance Worksheet

Accession Number: 801069-05

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	840		
Chloride	94.3	0.02821	2.66020
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	453	0.02082	9.43146
Carbonate	1.99	0.03333	0.06633
Bi-Carbonate	838	0.01639	13.73482
	Total Anions =		**25.8928097**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	144	0.04990	7.18560
Potassium	1.37	0.02558	0.03504
Magnesium	22.3	0.08229	1.83507
Sodium	404	0.04350	17.57400
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**26.6297116**

Anion/Cation Balance (% difference) =	1.4%		
Total Anions+Cations =	1623	mg/l	(calculated)
Total Dissolved Solids =	1630	mg/l	(measured)
TDS/ion sum ratio =	1.00		
Electrical Cond =	2640	umh/cm	(measured)
TDS/EC ratio =	0.617		

PINNACLE LABS
Environmental Testing

Pinnacle Lab ID number **804086**
May 19, 2008

LODESTAR SERVICES
P.O. BOX 4465
DURANGO, CO 81302

WESTERN REFINING CO.
111 COUNTY ROAD 4990
BLOOMFIELD, NM 87413

Project Name GBR
Project Number (NONE)

Attention: ASHLEY AGER/BILL ROBERTSON

On 04/30/08 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA method 601/602 and pH analyses were performed by Pinnacle Laboratories, Inc. Albuquerque, NM.

All remaining analyses were performed by Test America Laboratories, Inc. Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

PINNACLE Labs
Environmental Testing

CLIENT	: LODESTAR SERVICES	PINNACLE ID	: 804086
PROJECT #	: (NONE)	DATE RECEIVED	: 04/30/08
PROJECT NAME	: GBR	REPORT DATE	: 05/20/08

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
804086 - 01	GBR INFLUENT	AQUEOUS	04/29/08
804086 - 02	GBR EFFLUENT	AQUEOUS	04/29/08
804086 - 03	SHS-19	AQUEOUS	04/29/08
804086 - 04	TRIP	AQUEOUS	04/25/08

PINNACLE
Environmental Testing

Cation-Anion Balance Worksheet

Accession Number: 804086-01 GBR-INFLUENT

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	410		
Chloride	86	0.02821	2.42606
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1500	0.02082	31.23000
Carbonate	0	0.03333	0.00000
Bi-Carbonate	410	0.01639	6.71990
	Total Anions =		**40.37596**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	310	0.04990	15.46900
Potassium	5.1	0.02558	0.13046
Magnesium	27	0.08229	2.22183
Sodium	510	0.04350	22.18500
Copper	0.10	0.03147	0.00315
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc	0.083	0.03059	0.00254
	Total Cations =		**40.011974**

Anion/Cation Balance (% difference) = 0.5%

Total Anions+Cations =	2684 mg/l	(calculated)
Total Dissolved Solids =	2900 mg/l	(measured)
TDS/ion sum ratio =	1.08	
Electrical Cond =	360 umh/cm	(measured)
TDS/EC ratio =	8.056	

PINNACLE LABS
Environmental Testing

Cation-Anion Balance Worksheet

Accession Number: 804086-02 GBR-EFFLUENT

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	400		
Chloride	86	0.02821	2.42606
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1400	0.02082	29.14800
Carbonate	1.3	0.03333	0.04333
Bi-Carbonate	400	0.01639	6.55600
	Total Anions =		**38.173389**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	320	0.04990	15.96800
Potassium	5.1	0.02558	0.13046
Magnesium	29	0.08229	2.38641
Sodium	510	0.04350	22.18500
Copper	0	0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc	0	0.03059	0.00000
	Total Cations =		**40.669868**

Anion/Cation Balance (% difference) =	3.2%	
Total Anions+Cations =	2590 mg/l	(calculated)
Total Dissolved Solids =	2800 mg/l	(measured)
TDS/ion sum ratio =	1.08	
Electrical Cond =	3600 umh/cm	(measured)
TDS/EC ratio =	0.778	

PINNACLE LABS
Environmental Testing

Cation-Anion Balance Worksheet

Accession Number: 804086-03 SHS-19

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1000		
Chloride	93	0.02821	2.62353
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	31	0.02082	0.64542
Carbonate	3.8	0.03333	0.12665
Bi-Carbonate	1000	0.01639	16.39000
	Total Anions =		**19.785604**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	50	0.04990	2.49500
Potassium	1.1	0.02558	0.02814
Magnesium	14	0.08229	1.15206
Sodium	400	0.04350	17.40000
Copper	0	0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc	0	0.03059	0.00000
	Total Cations =		**21.075198**

Anion/Cation Balance (% difference) =	3.2%	
Total Anions+Cations =	1189 mg/l	(calculated)
Total Dissolved Solids =	1200 mg/l	(measured)
TDS/ion sum ratio =	1.01	
Electrical Cond =	1900 umh/cm	(measured)
TDS/EC ratio =	0.632	

PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR SERVICES	PINNACLE I.D.	: 804086
PROJECT #	: (NONE)	DATE RECEIVED	: 04/30/08
PROJECT NAME	: GBR	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
01	GBR INFLUENT	AQUEOUS	04/29/08	05/01/08
02	GBR EFFLUENT	AQUEOUS	04/29/08	05/01/08
03	SHS-19	AQUEOUS	04/29/08	05/01/08

PARAMETER	GBR INFLUENT	GBR EFFLUENT	SHS-19
PH (150.1)	7.3	7.4	7.4
TEMPERATURE (°C)	18.0	18.3	19.6

CHEMIST NOTES:
N/A

PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: LODESTAR SERVICES	PINNACLE I.D.	: 804086
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	DATE ANALYZED	: 05/01/08

PARAMETER	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH (150.1)	804086-02	7.43	7.43	0
TEMPERATURE (°C)		18.3	18.3	

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 601/602		
CLIENT	: LODESTAR SERVICES	PINNACLE I.D.	: 804086
PROJECT #	: (NONE)	ANALYST	: ARM
PROJECT NAME	: GBR		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	GBR INFLUENT	AQUEOUS	04/29/08	NA	05/08/08	1
02	GBR EFFLUENT	AQUEOUS	04/29/08	NA	05/08/08	1
03	SHS-19	AQUEOUS	04/29/08	NA	05/08/08	1

PARAMETER	DET. LIMIT	UNITS	GBR INFLUENT	GBR EFFLUENT	SHS-19
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**0.9**
SURROGATE:					
TRIFLUOROTOLUENE (%)			97	97	88
SURROGATE LIMITS	(70 - 130)				
1,4-DICHLOROBUTANE (%)			109	103	97
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 601/602 BY 624		
CLIENT	: LODESTAR SERVICES	PINNACLE I.D.	: 804086
PROJECT #	: (NONE)	ANALYST	: STH
PROJECT NAME	: GBR		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	TRIP	AQUEOUS	04/25/08	NA	05/09/08	1

PARAMETER	DET. LIMIT	UNITS	TRIP
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5
BENZENE	0.5	UG/L	< 0.5
TOLUENE	0.5	UG/L	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0
TRICHLOROFLUOROMETHANE	0.5	UG/L	< 0.5
1,1-DICHLOROETHENE	0.5	UG/L	< 0.5
METHYLENE CHLORIDE	2.0	UG/L	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0
1,1-DICHLOROETHANE	0.5	UG/L	< 0.5
CHLOROFORM	**0.5**	**UG/L**	**5.1**
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0
CARBON TETRACHLORIDE	0.5	UG/L	< 0.5
1,2-DICHLOROPROPANE	0.5	UG/L	< 0.5
TRICHLOROETHENE	0.5	UG/L	< 0.5
BROMODICHLOROMETHANE	**0.5**	**UG/L**	**2.0**
CIS-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5
TRANS-1,3-DICHLOROPROPENE	0.5	UG/L	< 0.5
1,1,2-TRICHLOROETHANE	0.5	UG/L	< 0.5
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5
BROMOFORM	0.5	UG/L	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5

SURROGATE:		
1,2-DICHLOROETHANE-D4 (%)		97
SURROGATE LIMITS	(87 - 123)	
TOLUENE-D8 (%)		95
SURROGATE LIMITS	(79 - 117)	
BROMOFLUOROBENZENE (%)		106
SURROGATE LIMITS	(76 - 110)	

CHEMIST NOTES:
Compounds present in trip blank were not present in Method Blank or samples.

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PINNACLE
Environmental Testing

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602	PINNACLE I.D.	: 804086
BLANK I.D.	: 050808H	DATE EXTRACTED	: NA
CLIENT	: LODESTAR SERVICES	DATE ANALYZED	: 05/08/08
PROJECT #	: GBR	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: (NONE)	ANALYST	: DRK

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	<2.5
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
CHLOROMETHANE	UG/L	<1.0
VINYL CHLORIDE	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CHLOROETHANE	UG/L	<0.5
TRICHLOROFLUOROMETHANE	UG/L	<0.2
1,1-DICHLOROETHENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,1-DICHLOROETHANE	UG/L	<0.3
CHLOROFORM	UG/L	<0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
1,2-DICHLOROPROPANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
BROMODICHLOROMETHANE	UG/L	<0.5
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
1,1,2-TRICHLOROETHANE	UG/L	<0.2
DIBROMOCHLOROMETHANE	UG/L	<0.5
1,2-DIBROMOETHANE (EDB)	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
CHLOROBENZENE	UG/L	<0.5
BROMOFORM	UG/L	<0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,2-DICHLOROBENZENE	UG/L	<0.5

SURROGATE:		
TRIFLUOROTOLUENE (%)		96
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE		97
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
N/A

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602 BY 624	PINNACLE I.D.	: 804086
BLANK I.D.	: 050908A	DATE EXTRACTED	: NA
CLIENT	: LODESTAR SERVICES	DATE ANALYZED	: 05/09/08
PROJECT #	: GBR	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: (NONE)	ANALYST	: STH

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	<2.5
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
CHLOROMETHANE	UG/L	<1.0
VINYL CHLORIDE	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CHLOROETHANE	UG/L	<0.5
TRICHLOROFLUOROMETHANE	UG/L	<0.5
1,1-DICHLOROETHENE	UG/L	<0.5
METHYLENE CHLORIDE	UG/L	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,1-DICHLOROETHANE	UG/L	<0.5
CHLOROFORM	UG/L	<0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.5
1,2-DICHLOROPROPANE	UG/L	<0.5
TRICHLOROETHENE	UG/L	<0.5
BROMODICHLOROMETHANE	UG/L	<0.5
CIS-1,3-DICHLOROPROPENE	UG/L	<0.5
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.5
1,1,2-TRICHLOROETHANE	UG/L	<0.5
DIBROMOCHLOROMETHANE	UG/L	<0.5
1,2-DIBROMOETHANE (EDB)	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
CHLOROBENZENE	UG/L	<0.5
BROMOFORM	UG/L	<0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,2-DICHLOROBENZENE	UG/L	<0.5

SURROGATE:		
1,2-DICHLOROETHANE-D4 (%)		99
SURROGATE LIMITS	(87 - 123)	
TOLUENE-D8 (%)		97
SURROGATE LIMITS	(79 - 117)	
BROMOFLUOROBENZENE (%)		105
SURROGATE LIMITS	(76 - 110)	

CHEMIST NOTES:
N/A

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 601/602	PINNACLE I.D.	: 804086
SAMPLE ID	: 804086.03	DATE EXTRACTED	: NA
CLIENT	: LODESTAR SERVICES	DATE ANALYZED	: 05/08/08
PROJECT #	: GBR	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: (NONE)	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
METHYL -t-BUTYL ETHER	<2.5	4.0	3.47	87	3.57	89	3	(70 - 130)	20
BENZENE	<0.5	4.0	3.63	91	3.70	92	2	(39 - 150)	20
TOLUENE	<0.5	4.0	3.45	86	3.59	90	4	(46 - 148)	20
ETHYLBENZENE	<0.5	4.0	3.36	84	3.50	88	4	(32 - 160)	20
TOTAL XYLENES	<2.0	12.0	10.1	84	10.5	87	4	(80 - 120)	20
CHLOROMETHANE	<1.0	4.0	7.09	177	7.32	183	3	(D - 193)	20
VINYL CHLORIDE	<0.5	4.0	5.53	138	5.59	140	1	(28 - 163)	20
BROMOMETHANE	<1.0	4.0	4.87	122	4.92	123	1	(D - 144)	20
CHLOROETHANE	<0.5	4.0	4.99	125	5.09	127	2	(46 - 137)	20
TRICHLOROFLUOROMETHANE	<0.2	4.0	4.65	116	4.61	115	1	(21 - 156)	20
1,1-DICHLOROETHENE	<0.2	4.0	4.03	101	3.93	98	3	(28 - 167)	20
METHYLENE CHLORIDE	<2.0	4.0	4.08	102	3.91	98	4	(25 - 162)	20
TRANS-1,2-DICHLOROETHENE	<1.0	4.0	4.08	102	3.94	98	4	(38 - 155)	20
1,1-DICHLOROETHANE	<0.3	4.0	4.06	101	3.91	98	4	(47 - 132)	20
CHLOROFORM	<0.5	4.0	3.90	98	3.80	95	3	(49 - 133)	20
1,2-DICHLOROETHANE (EDC)	<0.5	4.0	3.89	97	3.94	98	1	(51 - 147)	20
1,1,1-TRICHLOROETHANE	<1.0	4.0	4.02	101	3.95	99	2	(41 - 138)	20
CARBON TETRACHLORIDE	<0.2	4.0	3.89	97	3.82	95	2	(43 - 143)	20
1,2-DICHLOROPROPANE	<0.2	4.0	4.06	102	4.02	101	1	(44 - 156)	20
TRICHLOROETHENE	<0.3	4.0	3.72	93	3.68	92	1	(35 - 146)	20
BROMODICHLOROMETHANE	<0.5	4.0	4.22	106	4.19	105	1	(42 - 172)	20
CIS-1,3-DICHLOROPROPENE	<0.2	4.0	3.76	94	3.63	91	3	(22 - 178)	20
TRANS-1,3-DICHLOROPROPENE	<0.2	4.0	3.73	93	3.71	93	1	(22 - 178)	20
1,1,2-TRICHLOROETHANE	<0.2	4.0	3.97	99	4.06	101	2	(39 - 136)	20
DIBROMOCHLOROMETHANE	<0.5	4.0	3.92	98	4.06	101	4	(24 - 191)	20
1,2-DIBROMOETHANE (EDB)	<0.5	4.0	4.24	106	4.43	111	4	(80 - 120)	20
TETRACHLOROETHENE	<0.5	4.0	3.85	96	3.91	98	1	(26 - 162)	20
CHLOROBENZENE	<0.5	4.0	3.86	97	3.97	99	3	(38 - 150)	20
BROMOFORM	<0.5	4.0	3.84	96	3.85	96	0	(13 - 159)	20
1,1,2,2-TETRACHLOROETHANE	<0.5	4.0	4.08	102	4.07	102	0	(8 - 184)	20
1,3-DICHLOROBENZENE	<0.5	4.0	3.86	97	3.92	98	1	(7 - 187)	20
1,4-DICHLOROBENZENE	<0.5	4.0	4.06	102	3.94	99	3	(42 - 143)	20
1,2-DICHLOROBENZENE	<0.5	4.0	4.36	109	4.37	109	0	(D - 208)	20

CHEMIST NOTES:

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 400-30526-1

Job Description: 804086

For:
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Attention: Francine Torivio

Marty Edwards
Project Manager I
marty.edwards@testamericainc.com
05/14/2008

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TestAmerica Laboratories, Inc.
TestAmerica Pensacola 3355 McLemore Drive, Pensacola, FL 32514
Tel (850) 474-1001 Fax (850) 478-2671 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH nelac

METHOD SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
ICP Metals by 200.7	TAL PEN	EPA 200.7 Rev 4.4	
Total Metals Digestion for 200.7	TAL PEN		EPA 200.7
Mercury	TAL PEN	EPA 245.1	
Digestion for CVAA Mercury in Waters	TAL PEN		EPA 245.1
Conductivity, Specific Conductance	TAL PEN	MCAWW 120.1	
Total Dissolved Solids	TAL PEN	SM18 160.1	
Chloride	TAL PEN	MCAWW 325.2	
Sulfate	TAL PEN	MCAWW 375.4	
Alkalinity	TAL PEN	EPA EPA 310.1	

Lab References:

TAL PEN = TestAmerica Pensacola

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

METHOD / ANALYST SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Method	Analyst	Analyst ID
EPA 200.7 Rev 4.4	St. Pere, Gary	GS
EPA 245.1	Cortez, Maria	MC
MCAWW 120.1	Taber, Sharon	ST
SM18 160.1	Gimlin, Wendy	WG
MCAWW 325.2	Gimlin, Wendy	WG
MCAWW 375.4	Gimlin, Wendy	WG
EPA EPA 310.1	Jones, Randy	RJ

SAMPLE SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-30526-1	GBR-INFLUENT / 804086-01	Water	04/29/2008 0950	05/01/2008 0955
400-30526-2	GBR-EFFLUENT / 804086-02	Water	04/29/2008 1015	05/01/2008 0955
400-30526-3	SHS-19 / 804086-03	Water	04/29/2008 0855	05/01/2008 0955

SAMPLE RESULTS

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Client Sample ID: GBR-INFLUENT / 804086-01

Lab Sample ID: 400-30526-1
Client Matrix: Water

Date Sampled: 04/29/2008 0950
Date Received: 05/01/2008 0955

200.7 Rev 4.4 ICP Metals by 200.7

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 05/05/2008 1726
Date Prepared: 05/02/2008 1155

Analysis Batch: 400-68866
Prep Batch: 400-68755

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Antimony	<0.050		0.050
Arsenic	0.0052		0.0050
Beryllium	<0.0030		0.0030
Cadmium	<0.0050		0.0050
Calcium	310		0.50
Chromium	<0.0050		0.0050
Copper	0.10		0.010
Hardness	880		3.3
Lead	0.087		0.0050
Magnesium	27		0.50
Nickel	0.0068		0.0050
Potassium	5.1		1.0
Selenium	<0.010		0.010
Silver	<0.0050		0.0050
Thallium	<0.010		0.010
Zinc	0.083		0.020

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 10
Date Analyzed: 05/06/2008 1459
Date Prepared: 05/02/2008 1155

Analysis Batch: 400-68961
Prep Batch: 400-68755

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	510		10

245.1 Mercury

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 05/08/2008 1343
Date Prepared: 05/07/2008 1325

Analysis Batch: 400-69102
Prep Batch: 400-69011

Instrument ID: ATOMIC
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (mg/L)	Qualifier	RL
Mercury	<0.00020		0.00020

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Client Sample ID: GBR-EFFLUENT / 804086-02

Lab Sample ID: 400-30526-2
Client Matrix: Water

Date Sampled: 04/29/2008 1015
Date Received: 05/01/2008 0955

200.7 Rev 4.4 ICP Metals by 200.7

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 05/05/2008 1731
Date Prepared: 05/02/2008 1155

Analysis Batch: 400-68866
Prep Batch: 400-68755

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Antimony	<0.050		0.050
Arsenic	<0.0050		0.0050
Beryllium	<0.0030		0.0030
Cadmium	<0.0050		0.0050
Calcium	320		0.50
Chromium	<0.0050		0.0050
Copper	<0.010		0.010
Hardness	910		3.3
Lead	<0.0050		0.0050
Magnesium	29		0.50
Nickel	0.043		0.0050
Potassium	5.1		1.0
Selenium	<0.010		0.010
Silver	<0.0050		0.0050
Thallium	<0.010		0.010
Zinc	<0.020		0.020

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 10
Date Analyzed: 05/06/2008 1503
Date Prepared: 05/02/2008 1155

Analysis Batch: 400-68961
Prep Batch: 400-68755

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	510		10

245.1 Mercury

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 05/08/2008 1345
Date Prepared: 05/07/2008 1325

Analysis Batch: 400-69102
Prep Batch: 400-69011

Instrument ID: ATOMIC
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (mg/L)	Qualifier	RL
Mercury	<0.00020		0.00020

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Client Sample ID: SHS-19 / 804086-03

Lab Sample ID: 400-30526-3
Client Matrix: Water

Date Sampled: 04/29/2008 0855
Date Received: 05/01/2008 0955

200.7 Rev 4.4 ICP Metals by 200.7

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 1.0
Date Analyzed: 05/05/2008 1735
Date Prepared: 05/02/2008 1155

Analysis Batch: 400-68866
Prep Batch: 400-68755

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Antimony	<0.050		0.050
Arsenic	0.094		0.0050
Beryllium	<0.0030		0.0030
Cadmium	<0.0050		0.0050
Calcium	50		0.50
Chromium	0.010		0.0050
Copper	<0.010		0.010
Hardness	180		3.3
Lead	<0.0050		0.0050
Magnesium	14		0.50
Nickel	0.011		0.0050
Potassium	1.1		1.0
Selenium	<0.010		0.010
Silver	<0.0050		0.0050
Thallium	<0.010		0.010
Zinc	<0.020		0.020

Method: 200.7 Rev 4.4
Preparation: 200.7
Dilution: 10
Date Analyzed: 05/06/2008 1508
Date Prepared: 05/02/2008 1155

Analysis Batch: 400-68961
Prep Batch: 400-68755

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	400		10

245.1 Mercury

Method: 245.1
Preparation: 245.1
Dilution: 1.0
Date Analyzed: 05/08/2008 1347
Date Prepared: 05/07/2008 1325

Analysis Batch: 400-69102
Prep Batch: 400-69011

Instrument ID: ATOMIC
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result (mg/L)	Qualifier	RL
Mercury	<0.00020		0.00020

Client: Pinnacle Laboratories

Job Number: 400-30526-1

General Chemistry

Client Sample ID: GBR-INFLUENT / 804086-01

Lab Sample ID: 400-30526-1
Client Matrix: Water

Date Sampled: 04/29/2008 0950
Date Received: 05/01/2008 0955

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	410		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-69223		Date Analyzed 05/08/2008 1415			
Bicarbonate Alkalinity as CaCO3	410		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-69223		Date Analyzed 05/08/2008 1415			
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-69223		Date Analyzed 05/08/2008 1415			
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-69223		Date Analyzed 05/08/2008 1415			
Chloride	86		mg/L	2.0	1.0	325.2
	Anly Batch: 400-69247		Date Analyzed 05/12/2008 1144			
Sulfate	1500		mg/L	250	50	375.4
	Anly Batch: 400-69248		Date Analyzed 05/12/2008 1234			

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	360		umhos/cm	5.0	1.0	120.1
	Anly Batch: 400-69176		Date Analyzed 05/09/2008 1533			
Total Dissolved Solids	2900		mg/L	5.0	1.0	160.1
	Anly Batch: 400-68771		Date Analyzed 05/02/2008 1535			

Client: Pinnacle Laboratories

Job Number: 400-30526-1

General Chemistry

Client Sample ID: GBR-EFFLUENT / 804086-02

Lab Sample ID: 400-30526-2
Client Matrix: Water

Date Sampled: 04/29/2008 1015
Date Received: 05/01/2008 0955

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	400		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69223	Date Analyzed 05/08/2008 1415					
Bicarbonate Alkalinity as CaCO3	400		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69223	Date Analyzed 05/08/2008 1415					
Carbonate Alkalinity as CaCO3	1.3		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69223	Date Analyzed 05/08/2008 1415					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69223	Date Analyzed 05/08/2008 1415					
Chloride	86		mg/L	2.0	1.0	325.2
Anly Batch: 400-69247	Date Analyzed 05/12/2008 1145					
Sulfate	1400		mg/L	250	50	375.4
Anly Batch: 400-69248	Date Analyzed 05/12/2008 1234					

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3600		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-69176	Date Analyzed 05/09/2008 1533					
Total Dissolved Solids	2800		mg/L	5.0	1.0	160.1
Anly Batch: 400-68771	Date Analyzed 05/02/2008 1535					

General Chemistry

Client Sample ID: **SHS-19 / 804086-03**

Lab Sample ID: 400-30526-3
Client Matrix: Water

Date Sampled: 04/29/2008 0855
Date Received: 05/01/2008 0955

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	1000		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69223	Date Analyzed 05/08/2008 1415					
Bicarbonate Alkalinity as CaCO3	1000		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69223	Date Analyzed 05/08/2008 1415					
Carbonate Alkalinity as CaCO3	3.8		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69223	Date Analyzed 05/08/2008 1415					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69223	Date Analyzed 05/08/2008 1415					
Chloride	93		mg/L	2.0	1.0	325.2
Anly Batch: 400-69247	Date Analyzed 05/12/2008 1145					
Sulfate	31		mg/L	5.0	1.0	375.4
Anly Batch: 400-69248	Date Analyzed 05/12/2008 1000					

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	1900		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-69176	Date Analyzed 05/09/2008 1533					
Total Dissolved Solids	1200		mg/L	5.0	1.0	160.1
Anly Batch: 400-68771	Date Analyzed 05/02/2008 1535					

QUALITY CONTROL RESULTS

Client: Pinnacle Laboratories

Job Number: 400-30526-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 400-68755					
LCS 400-68755/18-A	Lab Control Spike	T	Water	200.7	
MB 400-68755/17-A	Method Blank	T	Water	200.7	
400-30342-B-1-C MS	Matrix Spike	T	Water	200.7	
400-30342-B-1-D MSD	Matrix Spike Duplicate	T	Water	200.7	
400-30526-1	GBR-INFLUENT / 804086-01	T	Water	200.7	
400-30526-2	GBR-EFFLUENT / 804086-02	T	Water	200.7	
400-30526-3	SHS-19 / 804086-03	T	Water	200.7	
Analysis Batch:400-68866					
LCS 400-68755/18-A	Lab Control Spike	T	Water	200.7 Rev 4.4	400-68755
MB 400-68755/17-A	Method Blank	T	Water	200.7 Rev 4.4	400-68755
400-30342-B-1-C MS	Matrix Spike	T	Water	200.7 Rev 4.4	400-68755
400-30342-B-1-D MSD	Matrix Spike Duplicate	T	Water	200.7 Rev 4.4	400-68755
400-30526-1	GBR-INFLUENT / 804086-01	T	Water	200.7 Rev 4.4	400-68755
400-30526-2	GBR-EFFLUENT / 804086-02	T	Water	200.7 Rev 4.4	400-68755
400-30526-3	SHS-19 / 804086-03	T	Water	200.7 Rev 4.4	400-68755
Analysis Batch:400-68961					
400-30526-1	GBR-INFLUENT / 804086-01	T	Water	200.7 Rev 4.4	400-68755
400-30526-2	GBR-EFFLUENT / 804086-02	T	Water	200.7 Rev 4.4	400-68755
400-30526-3	SHS-19 / 804086-03	T	Water	200.7 Rev 4.4	400-68755
Prep Batch: 400-69011					
LCS 400-69011/15-A	Lab Control Spike	T	Water	245.1	
MB 400-69011/14-A	Method Blank	T	Water	245.1	
400-30526-1	GBR-INFLUENT / 804086-01	T	Water	245.1	
400-30526-2	GBR-EFFLUENT / 804086-02	T	Water	245.1	
400-30526-3	SHS-19 / 804086-03	T	Water	245.1	
400-30645-B-3-B MS	Matrix Spike	T	Water	245.1	
400-30645-B-3-C MSD	Matrix Spike Duplicate	T	Water	245.1	
Analysis Batch:400-69102					
LCS 400-69011/15-A	Lab Control Spike	T	Water	245.1	400-69011
MB 400-69011/14-A	Method Blank	T	Water	245.1	400-69011
400-30526-1	GBR-INFLUENT / 804086-01	T	Water	245.1	400-69011
400-30526-2	GBR-EFFLUENT / 804086-02	T	Water	245.1	400-69011
400-30526-3	SHS-19 / 804086-03	T	Water	245.1	400-69011
400-30645-B-3-B MS	Matrix Spike	T	Water	245.1	400-69011
400-30645-B-3-C MSD	Matrix Spike Duplicate	T	Water	245.1	400-69011

Report Basis
T = Total

Client: Pinnacle Laboratories

Job Number: 400-30526-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-68771					
LCS 400-68771/2	Lab Control Spike	T	Water	160.1	
MB 400-68771/1	Method Blank	T	Water	160.1	
400-30472-I-23 DU	Duplicate	T	Water	160.1	
400-30526-1	GBR-INFLUENT / 804086-01	T	Water	160.1	
400-30526-2	GBR-EFFLUENT / 804086-02	T	Water	160.1	
400-30526-3	SHS-19 / 804086-03	T	Water	160.1	
Analysis Batch:400-69176					
LCS 400-69176/2	Lab Control Spike	T	Water	120.1	
MB 400-69176/1	Method Blank	T	Water	120.1	
400-30478-C-1 DU	Duplicate	T	Water	120.1	
400-30526-1	GBR-INFLUENT / 804086-01	T	Water	120.1	
400-30526-2	GBR-EFFLUENT / 804086-02	T	Water	120.1	
400-30526-3	SHS-19 / 804086-03	T	Water	120.1	
Analysis Batch:400-69223					
LCS 400-69223/2	Lab Control Spike	T	Water	EPA 310.1	
MB 400-69223/1	Method Blank	T	Water	EPA 310.1	
400-30478-C-1 DU	Duplicate	T	Water	EPA 310.1	
400-30526-1	GBR-INFLUENT / 804086-01	T	Water	EPA 310.1	
400-30526-2	GBR-EFFLUENT / 804086-02	T	Water	EPA 310.1	
400-30526-3	SHS-19 / 804086-03	T	Water	EPA 310.1	
Analysis Batch:400-69247					
LCS 400-69247/2	Lab Control Spike	T	Water	325.2	
MB 400-69247/1	Method Blank	T	Water	325.2	
400-30525-B-2 MS	Matrix Spike	T	Water	325.2	
400-30525-B-2 MSD	Matrix Spike Duplicate	T	Water	325.2	
400-30526-1	GBR-INFLUENT / 804086-01	T	Water	325.2	
400-30526-2	GBR-EFFLUENT / 804086-02	T	Water	325.2	
400-30526-3	SHS-19 / 804086-03	T	Water	325.2	
400-30526-3DU	Duplicate	T	Water	325.2	
Analysis Batch:400-69248					
LCS 400-69248/2	Lab Control Spike	T	Water	375.4	
MB 400-69248/1	Method Blank	T	Water	375.4	
400-30525-B-2 MS	Matrix Spike	T	Water	375.4	
400-30525-B-2 MSD	Matrix Spike Duplicate	T	Water	375.4	
400-30526-1	GBR-INFLUENT / 804086-01	T	Water	375.4	
400-30526-2	GBR-EFFLUENT / 804086-02	T	Water	375.4	
400-30526-3	SHS-19 / 804086-03	T	Water	375.4	
400-30526-3DU	Duplicate	T	Water	375.4	

Client: Pinnacle Laboratories

Job Number: 400-30526-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch

Report Basis
T = Total

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Method Blank - Batch: 400-68755

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: MB 400-68755/17-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2008 1605
Date Prepared: 05/02/2008 1155

Analysis Batch: 400-68866
Prep Batch: 400-68755
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Antimony	<0.050		0.050
Arsenic	<0.0050		0.0050
Beryllium	<0.0030		0.0030
Cadmium	<0.0050		0.0050
Calcium	<0.50		0.50
Chromium	<0.0050		0.0050
Copper	<0.010		0.010
Hardness	<3.3		3.3
Lead	<0.0050		0.0050
Magnesium	<0.50		0.50
Nickel	<0.0050		0.0050
Potassium	<1.0		1.0
Selenium	<0.010		0.010
Silver	<0.0050		0.0050
Sodium	<1.0		1.0
Thallium	<0.010		0.010
Zinc	<0.020		0.020

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Lab Control Spike - Batch: 400-68755

Method: 200.7 Rev 4.4
Preparation: 200.7

Lab Sample ID: LCS 400-68755/18-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/05/2008 1612
Date Prepared: 05/02/2008 1155

Analysis Batch: 400-68866
Prep Batch: 400-68755
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Antimony	1.00	0.998	100	85 - 115	
Arsenic	1.00	0.995	99	85 - 115	
Beryllium	0.500	0.504	101	85 - 115	
Cadmium	0.500	0.518	104	85 - 115	
Calcium	10.0	10.2	102	85 - 115	
Chromium	1.00	1.02	102	85 - 115	
Copper	1.00	1.02	102	85 - 115	
Hardness	66.2	66.0	100	85 - 115	
Lead	1.00	1.03	103	85 - 115	
Magnesium	10.0	9.83	98	85 - 115	
Nickel	1.00	1.02	102	85 - 115	
Potassium	10.0	9.68	97	85 - 115	
Selenium	1.00	0.919	92	85 - 115	
Silver	0.500	0.502	100	85 - 115	
Sodium	10.0	9.90	99	85 - 115	
Thallium	1.00	1.00	100	85 - 115	
Zinc	1.00	1.03	103	85 - 115	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-68755

Method: 200.7 Rev 4.4
Preparation: 200.7

MS Lab Sample ID:	400-30342-B-1-C MS	Analysis Batch: 400-68866	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-68755	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/05/2008 1626		Final Weight/Volume: 50 mL
Date Prepared:	05/02/2008 1155		

MSD Lab Sample ID:	400-30342-B-1-D MSD	Analysis Batch: 400-68866	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-68755	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/05/2008 1631		Final Weight/Volume: 50 mL
Date Prepared:	05/02/2008 1155		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Antimony	99	100	70 - 130	1	20		
Arsenic	100	100	70 - 130	0	20		
Beryllium	101	101	70 - 130	0	20		
Cadmium	102	102	70 - 130	0	20		
Calcium	87	87	70 - 130	0	20	4	4
Chromium	101	101	70 - 130	0	20		
Copper	102	103	70 - 130	1	20		
Hardness	94	94	70 - 130	0	20		
Lead	102	102	70 - 130	0	20		
Magnesium	98	98	70 - 130	0	20		
Nickel	102	101	70 - 130	0	20		
Potassium	101	102	70 - 130	1	20		
Selenium	92	92	70 - 130	0	20		
Silver	101	101	70 - 130	0	20		
Sodium	103	104	70 - 130	0	20		
Thallium	101	101	70 - 130	0	20		
Zinc	101	101	70 - 130	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Method Blank - Batch: 400-69011

Method: 245.1
Preparation: 245.1

Lab Sample ID: MB 400-69011/14-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2008 1318
Date Prepared: 05/07/2008 1325

Analysis Batch: 400-69102
Prep Batch: 400-69011
Units: mg/L

Instrument ID: ATOMIC ABSORPTION
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Result	Qual	RL
Mercury	<0.00020		0.00020

Lab Control Spike - Batch: 400-69011

Method: 245.1
Preparation: 245.1

Lab Sample ID: LCS 400-69011/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2008 1320
Date Prepared: 05/07/2008 1325

Analysis Batch: 400-69102
Prep Batch: 400-69011
Units: mg/L

Instrument ID: ATOMIC ABSORPTION
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.00100	0.000997	100	85 - 115	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-69011

Method: 245.1
Preparation: 245.1

MS Lab Sample ID: 400-30645-B-3-B MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2008 1341
Date Prepared: 05/07/2008 1325

Analysis Batch: 400-69102
Prep Batch: 400-69011

Instrument ID: ATOMIC ABSORPTION
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

MSD Lab Sample ID: 400-30645-B-3-C MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2008 1342
Date Prepared: 05/07/2008 1325

Analysis Batch: 400-69102
Prep Batch: 400-69011

Instrument ID: ATOMIC ABSORPTION
Lab File ID: N/A
Initial Weight/Volume: 40 mL
Final Weight/Volume: 40 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	98	92	70 - 130	7	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Method Blank - Batch: 400-69176

Method: 120.1
Preparation: N/A

Lab Sample ID: MB 400-69176/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/09/2008 1533
Date Prepared: N/A

Analysis Batch: 400-69176
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Specific Conductance	<5.0		5.0

Lab Control Spike - Batch: 400-69176

Method: 120.1
Preparation: N/A

Lab Sample ID: LCS 400-69176/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/09/2008 1533
Date Prepared: N/A

Analysis Batch: 400-69176
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance	8.79	8.67	99	98 - 102	

Duplicate - Batch: 400-69176

Method: 120.1
Preparation: N/A

Lab Sample ID: 400-30478-C-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/09/2008 1533
Date Prepared: N/A

Analysis Batch: 400-69176
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	390	394	0	2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Method Blank - Batch: 400-68771

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 400-68771/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/02/2008 1535
Date Prepared: N/A

Analysis Batch: 400-68771
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Total Dissolved Solids	<5.0		5.0

Lab Control Spike - Batch: 400-68771

Method: 160.1
Preparation: N/A

Lab Sample ID: LCS 400-68771/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/02/2008 1535
Date Prepared: N/A

Analysis Batch: 400-68771
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	293	288	98	83 - 110	

Duplicate - Batch: 400-68771

Method: 160.1
Preparation: N/A

Lab Sample ID: 400-30472-I-23 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/02/2008 1535
Date Prepared: N/A

Analysis Batch: 400-68771
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	1200	1250	3	19	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Method Blank - Batch: 400-69247

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 400-69247/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/12/2008 1104
Date Prepared: N/A

Analysis Batch: 400-69247
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Chloride	<2.0		2.0

Lab Control Spike - Batch: 400-69247

Method: 325.2
Preparation: N/A

Lab Sample ID: LCS 400-69247/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/12/2008 1104
Date Prepared: N/A

Analysis Batch: 400-69247
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	50.1	100	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-69247

Method: 325.2
Preparation: N/A

MS Lab Sample ID: 400-30525-B-2 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/12/2008 1104
Date Prepared: N/A

Analysis Batch: 400-69247
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-30525-B-2 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/12/2008 1104
Date Prepared: N/A

Analysis Batch: 400-69247
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	102	104	73 - 120	1	8		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Duplicate - Batch: 400-69247

Method: 325.2
Preparation: N/A

Lab Sample ID: 400-30526-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/12/2008 1145
Date Prepared: N/A

Analysis Batch: 400-69247
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	93	93.9	1	8	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Method Blank - Batch: 400-69248

Method: 375.4
Preparation: N/A

Lab Sample ID: MB 400-69248/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/12/2008 0849
Date Prepared: N/A

Analysis Batch: 400-69248
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Sulfate	<5.0		5.0

Lab Control Spike - Batch: 400-69248

Method: 375.4
Preparation: N/A

Lab Sample ID: LCS 400-69248/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/12/2008 0903
Date Prepared: N/A

Analysis Batch: 400-69248
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	20.0	20.2	101	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-69248

Method: 375.4
Preparation: N/A

MS Lab Sample ID: 400-30525-B-2 MS
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 05/12/2008 1000
Date Prepared: N/A

Analysis Batch: 400-69248
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-30525-B-2 MSD
Client Matrix: Water
Dilution: 5.0
Date Analyzed: 05/12/2008 1004
Date Prepared: N/A

Analysis Batch: 400-69248
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	53	56	77 - 128	1	5	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Duplicate - Batch: 400-69248

Method: 375.4
Preparation: N/A

Lab Sample ID: 400-30526-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/12/2008 1000
Date Prepared: N/A

Analysis Batch: 400-69248
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sulfate	31	32.0	4	5	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Method Blank - Batch: 400-69223

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: MB 400-69223/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2008 1415
Date Prepared: N/A

Analysis Batch: 400-69223
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Alkalinity, Total	<1.0		1.0

Lab Control Spike - Batch: 400-69223

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: LCS 400-69223/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2008 1415
Date Prepared: N/A

Analysis Batch: 400-69223
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	250	244	98	90 - 110	

Duplicate - Batch: 400-69223

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: 400-30478-C-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2008 1415
Date Prepared: N/A

Analysis Batch: 400-69223
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity, Total	150	155	2	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

DATA REPORTING QUALIFIERS

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Lab Section	Qualifier	Description
Metals		
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
General Chemistry		
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Pinnacle Laboratories, Inc. 400-30526 **Interlab Chain of Custody** Date: 4/30/08 Page: 1 of 1

PINNACLE LABORATORIES Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
GBR-Influent/8040886-01	4/29/08	0950	GW	
GBR-Effluent/8040886-02	↓	1015	WW	
SHS-19/8040886-03	↓	0855	GW	

SAMPLE ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	TOC	Gen Chemistry:	Alk+Bicarb/Carb/OH	TDS, EC, Cl, SO4, Hardness	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
GBR-Influent/8040886-01			X			X		X	X													
GBR-Effluent/8040886-02			X			X		X	X													
SHS-19/8040886-03			X			X		X	X													

Total Ca, Mg, K, Na

PROJECT INFORMATION				
PROJECT #:	8040886			
PROJ. NAME:	LODE			
QC LEVEL:	STD.	IV		
QC REQUIRED:	MS	MSD	BLANK	
TAT:	STANDARD	RUSH!!		
DUE DATE:	5/14			
RUSH SURCHARGE:	—			
CLIENT DISCOUNT:	—			
SPECIAL CERTIFICATION REQUIRED: YES	NO			

SAMPLE RECEIPT	
Total Number of Containers	
Chain of Custody Seals	
Received Intact?	
Received Good Cond./Cold	
LAB NUMBER:	

COMMENTS: 0.0°C

SAMPLES SENT TO:	
APEX LABS	
ARS	
BIOVIR	
BSK ANALYTICAL	
GEL	
MWH LABS	
TEST AMERICA-FL	X
WCAS	
WOHL	

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: — Time: 1700	Signature: Time:
Printed Name: Francine Tinnin Date: 04/30/08	Printed Name: Date:
Company: Pinnacle Laboratories, Inc.	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**
Signature: Time: 9:55	Signature: Time:
Printed Name: Roma Her Date: 5-1-08	Printed Name: Date:
Company	Company

Login Sample Receipt Check List

Client: Pinnacle Laboratories

Job Number: 400-30526-1

Login Number: 30526
Creator: Hor, Koma
List Number: 1

List Source: TestAmerica Pensacola

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested S/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 4/29/08 PAGE: 1 OF 1

PLI Accession #: 80-4086

SHADED AREAS ARE FOR LAB USE ONLY

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Ashley Ager

COMPANY: Lodestar Services

ADDRESS: PO Box 4465
Durango CO 81302

PHONE: 970-946-1093

FAX:

BILL TO: Bill Robertson

COMPANY: Giant

ADDRESS: 111 CR 4990
Bloomfield NM 87413

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.
GBR Influent	042908	0950	Water	01
GBR Effluent	042908	1015	Water	02
SHS-19	042908	0855	Water	03
Trip	~~042908~~	~~0800~~	Water	04
	4/29/08	1050		
	~~4/30/08~~			

ANALYSIS REQUEST

Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry: Alk, Cl, TDS, EC, Cations, Hardness, SO4	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals: 13 PPM, Ca, Mg, K, Na		NUMBER OF CONTAINERS
		X															X	X				X	X	6
		X															X	X				X	X	6
		X															X	X				X	X	6
		X															X	X				X	X	6
																								2

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION

PROJ. NO.:

PROJ. NAME: GBR

P.O. NO.:

SHIPPED VIA: UPS

SAMPLE RECEIPT

NO CONTAINERS	20
CUSTODY SEALS	Y N /NA
RECEIVED INTACT	Y/S
BLUE ICE/ICE	3.5°

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐ 1 WEEK (NORMAL) ~~☐~~

*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ | METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

RELINQUISHED BY: 1.

Signature: Troy Urbay Time: 1502

Printed Name: Troy Urbay Date: 4/29/08

Company: Lodestar

See Reverse side (Force Majeure)

RECEIVED BY: 1.

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY (LAB) 2.

Signature: Time: 1033

Printed Name: Date: 4/30/08

Pinnacle Laboratories Inc.

PINNACLE LABS
Environmental Testing

Pinnacle Lab ID number **804080**
May 19, 2008

LODESTAR SERVICES
P.O. BOX 4465
DURANGO, CO 81302

WESTERN REFINING
111 COUNTY RD 4990
BLOOMFIELD, NM 87413

Project Name (NONE)
Project Number GBR

Attention: ASHLEY AGER/BILL ROBERTSON

On 04/29/08 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA method 601/602, pH and Ion Balance were performed by Pinnacle Laboratories, Inc., Albuquerque, NM.

All remaining analyses were performed by Test America Laboratories, Inc., Pensacola, FL.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

PINNACLE Labs
Environmental Testing

CLIENT	: LODESTAR SERVICES	PINNACLE ID	: 804080
PROJECT #	: GBR	DATE RECEIVED	: 04/29/08
PROJECT NAME	: (NONE)	REPORT DATE	: 05/19/08

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
804080 - 01	SHS-9	AQUEOUS	04/25/08
804080 - 02	SHS-8	AQUEOUS	04/25/08
804080 - 03	SHS-1	AQUEOUS	04/25/08
804080 - 04	SHS-5	AQUEOUS	04/25/08
804080 - 05	SHS-2	AQUEOUS	04/25/08
804080 - 06	SHS-18	AQUEOUS	04/25/08
804080 - 07	25042008TB01	AQUEOUS	04/08/08

PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR SERVICES	PINNACLE I.D.	: 804080
PROJECT #	: GBR	DATE RECEIVED	: 04/29/08
PROJECT NAME	: (NONE)	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
01	SHS-9	AQUEOUS	04/25/08	04/30/08
02	SHS-8	AQUEOUS	04/25/08	04/30/08
03	SHS-1	AQUEOUS	04/25/08	04/30/08

PARAMETER	SHS-9	SHS-8	SHS-1
PH (150.1)	7.4	7.1	7.4
TEMPERATURE (°C)	15.9	16.4	16.0

CHEMIST NOTES:
N/A

PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY RESULTS

CLIENT	: LODESTAR SERVICES	PINNACLE I.D.	: 804080
PROJECT #	: GBR	DATE RECEIVED	: 04/29/08
PROJECT NAME	: (NONE)	ANALYST	: ARM

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE ANALYZED
04	SHS-5	AQUEOUS	04/25/08	04/30/08
05	SHS-2	AQUEOUS	04/25/08	04/30/08
06	SHS-18	AQUEOUS	04/25/08	04/30/08

PARAMETER	SHS-5	SHS-2	SHS-18
PH (150.1)	7.3	6.4	7.2
TEMPERATURE (°C)	16.7	16.9	20.2

CHEMIST NOTES:
N/A

PINNACLE LABS
Environmental Testing

GENERAL CHEMISTRY - QUALITY CONTROL

CLIENT	: LODESTAR SERVICES	PINNACLE I.D.	: 804080
PROJECT #	: GBR	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: (NONE)	DATE ANALYZED	: 04/30/08

PARAMETER	PINNACLE I.D.	SAMPLE RESULT	DUP. RESULT	% RPD
PH (150.1)	804080-05	6.38	6.41	0
TEMPERATURE (°C)		16.9	16.7	

CHEMIST NOTES:
N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 601/602		
CLIENT	: LODESTAR SERVICES	PINNACLE I.D.	: 804080
PROJECT #	: GBR	ANALYST	: DRK
PROJECT NAME	: (NONE)		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	SHS-9	AQUEOUS	04/25/08	NA	05/07/08	1
02	SHS-8	AQUEOUS	04/25/08	NA	05/07/08	1
03	SHS-1	AQUEOUS	04/25/08	NA	05/07/08	1

PARAMETER	DET. LIMIT	UNITS	SHS-9	SHS-8	SHS-1
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	**0.5**	**UG/L**	< 0.5	**2.7**	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	**0.5**	**UG/L**	**0.7**	**6.6**	**0.7**
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1.2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	**0.5**	**UG/L**	< 0.5	**0.8**	**1.3**
SURROGATE:					
TRIFLUOROTOLUENE (%)			79	81	76
SURROGATE LIMITS	(70 - 130)				
1,4-DICHLOROBUTANE (%)			102	104	93
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
N/A

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR SERVICES
PROJECT # : GBR
PROJECT NAME : (NONE)

PINNACLE I.D. : 804080
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	SHS-5	AQUEOUS	04/25/08	NA	05/07/08	1
05	SHS-2	AQUEOUS	04/25/08	NA	05/07/08	1
06	SHS-18	AQUEOUS	04/25/08	NA	05/07/08	1

PARAMETER	DET. LIMIT	UNITS	SHS-5	SHS-2	SHS-18
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	**0.5**	**UG/L**	< 0.5	**0.4**	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	**0.5**	**UG/L**	< 0.5	< 0.5	**0.5**
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			89	**61 S1**	88
SURROGATE LIMITS	(70 - 130)				
1,4-DICHLOROBUTANE (%)			98	98	96
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
N/A

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR SERVICES
PROJECT # : GBR
PROJECT NAME : (NONE)

PINNACLE I.D. : 804080
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	25042008TB01	AQUEOUS	04/08/08	NA	05/07/08	1

PARAMETER	DET. LIMIT	UNITS	25042008TB01
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5
BENZENE	0.5	UG/L	< 0.5
TOLUENE	**0.5**	**UG/L**	**0.5**
ETHYLBENZENE	0.5	UG/L	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3
BROMODICHLOROMETHANE	0.5	UG/L	< 0.5
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2
DIBROMOCHLOROMETHANE	0.5	UG/L	< 0.5
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5
BROMOFORM	0.5	UG/L	< 0.5
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5

SURROGATE:		
TRIFLUOROTOLUENE (%)		90
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE (%)		100
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
N/A

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602	PINNACLE I.D.	: 804080
BLANK I.D.	: 050708H	DATE EXTRACTED	: NA
CLIENT	: LODESTAR SERVICES	DATE ANALYZED	: 05/07/08
PROJECT #	: GBR	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: (NONE)	ANALYST	: DRK

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	<2.5
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
CHLOROMETHANE	UG/L	<1.0
VINYL CHLORIDE	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CHLOROETHANE	UG/L	<0.5
TRICHLOROFLUOROMETHANE	UG/L	<0.2
1,1-DICHLOROETHENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,1-DICHLOROETHANE	UG/L	<0.3
CHLOROFORM	UG/L	<0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
1,2-DICHLOROPROPANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
BROMODICHLOROMETHANE	UG/L	<0.5
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
1,1,2-TRICHLOROETHANE	UG/L	<0.2
DIBROMOCHLOROMETHANE	UG/L	<0.5
1,2-DIBROMOETHANE (EDB)	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
CHLOROBENZENE	UG/L	<0.5
BROMOFORM	UG/L	<0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,2-DICHLOROBENZENE	UG/L	<0.5

SURROGATE:		
TRIFLUOROTOLUENE (%)		100
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE		99
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
N/A

PINNACLE LABS
Environmental Testing

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 601/602	PINNACLE I.D.	: 804080
SAMPLE ID	: 805004-04	DATE EXTRACTED	: NA
CLIENT	: LODESTAR SERVICES	DATE ANALYZED	: 05/07/08
PROJECT #	: GBR	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: (NONE)	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
METHYL -t-BUTYL ETHER	<2.5	4.0	3.84	96	3.48	87	10	(70 - 130)	20
BENZENE	<0.5	4.0	3.88	97	3.48	87	11	(39 - 150)	20
TOLUENE	<0.5	4.0	3.85	96	3.48	87	10	(46 - 148)	20
ETHYLBENZENE	<0.5	4.0	3.76	94	3.41	85	10	(32 - 160)	20
TOTAL XYLENES	<2.0	12.0	11.5	96	10.3	86	11	(80 - 120)	20
CHLOROMETHANE	<1.0	4.0	14.9	**373 M4**	12.0	**300 M4**	**22 M3**	(D - 193)	20
VINYL CHLORIDE	<0.5	4.0	6.82	**171 M4**	5.74	143	17	(28 - 163)	20
BROMOMETHANE	<1.0	4.0	5.66	142	4.50	113	**23 M3**	(D - 144)	20
CHLOROETHANE	<0.5	4.0	5.78	**144 M4**	4.74	118	20	(46 - 137)	20
TRICHLOROFLUOROMETHANE	<0.2	4.0	5.14	128	4.18	104	**21 M3**	(21 - 156)	20
1,1-DICHLOROETHENE	<0.2	4.0	4.30	108	3.86	96	11	(28 - 167)	20
METHYLENE CHLORIDE	<2.0	4.0	4.39	110	4.09	102	7	(25 - 162)	20
TRANS-1,2-DICHLOROETHENE	<1.0	4.0	4.41	110	4.11	103	7	(38 - 155)	20
1,1-DICHLOROETHANE	<0.3	4.0	4.30	108	3.87	97	11	(47 - 132)	20
CHLOROFORM	<0.5	4.0	4.69	117	4.24	106	10	(49 - 133)	20
1,2-DICHLOROETHANE (EDC)	<0.5	4.0	4.30	108	3.78	94	13	(51 - 147)	20
1,1,1-TRICHLOROETHANE	<1.0	4.0	4.29	107	3.95	99	8	(41 - 138)	20
CARBON TETRACHLORIDE	<0.2	4.0	4.09	102	3.74	94	9	(43 - 143)	20
1,2-DICHLOROPROPANE	<0.2	4.0	4.37	109	3.91	98	11	(44 - 156)	20
TRICHLOROETHENE	<0.3	4.0	4.10	103	3.69	92	11	(35 - 146)	20
BROMODICHLOROMETHANE	<0.5	4.0	5.82	145	5.37	134	8	(42 - 172)	20
CIS-1,3-DICHLOROPROPENE	<0.2	4.0	4.02	100	3.71	93	8	(22 - 178)	20
TRANS-1,3-DICHLOROPROPENE	<0.2	4.0	4.31	108	3.96	99	9	(22 - 178)	20
1,1,2-TRICHLOROETHANE	<0.2	4.0	4.47	112	4.10	103	9	(39 - 136)	20
DIBROMOCHLOROMETHANE	<0.5	4.0	5.51	138	5.13	128	7	(24 - 191)	20
1,2-DIBROMOETHANE (EDB)	<0.5	4.0	4.89	**122 M4**	4.53	113	8	(80 - 120)	20
TETRACHLOROETHENE	<0.5	4.0	4.03	101	3.70	93	9	(26 - 162)	20
CHLOROBENZENE	<0.5	4.0	4.16	104	3.69	92	12	(38 - 150)	20
BROMOFORM	<0.5	4.0	5.02	125	4.35	109	14	(13 - 159)	20
1,1,2,2-TETRACHLOROETHANE	<0.5	4.0	4.65	116	6.24	156	**29 M3**	(8 - 184)	20
1,3-DICHLOROBENZENE	<0.5	4.0	4.20	105	3.76	94	11	(7 - 187)	20
1,4-DICHLOROBENZENE	<0.5	4.0	4.51	113	4.15	104	8	(42 - 143)	20
1,2-DICHLOROBENZENE	<0.5	4.0	4.63	116	4.15	104	11	(D - 208)	20

CHEMIST NOTES:
M3 = RPD is outside of PLI criteria.
M4 = %REC is outside of PLI criteria.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

PINNACLE LABS
Environmental Testing

Cation-Anion Balance Worksheet

Accession Number: 804080-01 SHS-9

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1000		
Chloride	99	0.02821	2.79279
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	51	0.02082	1.06182
Carbonate	4.2	0.03333	0.13999
Bi-Carbonate	1000	0.01639	16.39000
	Total Anions =		**20.384596**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	120	0.04990	5.98800
Potassium	6.1	0.02558	0.15604
Magnesium	31	0.08229	2.55099
Sodium	430	0.04350	18.70500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**27.400028**

Anion/Cation Balance (% difference) =	14.7%	
Total Anions+Cations =	1337 mg/l	(calculated)
Total Dissolved Solids =	1300 mg/l	(measured)
TDS/ion sum ratio =	0.97	
Electrical Cond =	2100 umh/cm	(measured)
TDS/EC ratio =	0.619	

PINNACLE LABS
Environmental Testing

Cation-Anion Balance Worksheet

Accession Number: 804080-02 SHS-8

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	710		
Chloride	110	0.02821	3.10310
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	22	0.02082	0.45804
Carbonate	1	0.03333	0.03333
Bi-Carbonate	710	0.01639	11.63690
	Total Anions =		**15.23137**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	77	0.04990	3.84230
Potassium	5.7	0.02558	0.14581
Magnesium	12	0.08229	0.98748
Sodium	360	0.04350	15.66000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**20.635586**

Anion/Cation Balance (% difference) = 15.1%

Total Anions+Cations =	1013 mg/l	(calculated)
Total Dissolved Solids =	990 mg/l	(measured)
TDS/ion sum ratio =	0.98	
Electrical Cond =	1800 umh/cm	(measured)
TDS/EC ratio =	0.550	

PINNACLE LABS
Environmental Testing

Cation-Anion Balance Worksheet

Accession Number: 804080-03 SHS-1

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1000		
Chloride	97	0.02821	2.73637
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	33	0.02082	0.68706
Carbonate	5.3	0.03333	0.17665
Bi-Carbonate	1000	0.01639	16.39000
	Total Anions =		**19.990079**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	84	0.04990	4.19160
Potassium	7.1	0.02558	0.18162
Magnesium	21	0.08229	1.72809
Sodium	440	0.04350	19.14000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**25.241308**

Anion/Cation Balance (% difference) = 11.6%

Total Anions+Cations =	1282 mg/l	(calculated)
Total Dissolved Solids =	1200 mg/l	(measured)
TDS/ion sum ratio =	0.94	
Electrical Cond =	2000 umh/cm	(measured)
TDS/EC ratio =	0.600	

PINNACLE LABS
Environmental Testing

Cation-Anion Balance Worksheet

Accession Number: 804080-04 SHS-5

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	240		
Chloride	61	0.02821	1.72081
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1400	0.02082	29.14800
Carbonate	1.1	0.03333	0.03666
Bi-Carbonate	240	0.01639	3.93360
	Total Anions =		**34.839073**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	380	0.04990	18.96200
Potassium	10	0.02558	0.25580
Magnesium	35	0.08229	2.88015
Sodium	370	0.04350	16.09500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**38.19295**

Anion/Cation Balance (% difference) =	4.6%	
Total Anions+Cations =	2400 mg/l	(calculated)
Total Dissolved Solids =	2400 mg/l	(measured)
TDS/ion sum ratio =	1.00	
Electrical Cond =	3200 umh/cm	(measured)
TDS/EC ratio =	0.750	

PINNACLE LABS
Environmental Testing

Cation-Anion Balance Worksheet

Accession Number: 804080-05 SHS-2

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	250		
Chloride	170	0.02821	4.79570
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	2200	0.02082	45.80400
Carbonate	0	0.03333	0.00000
Bi-Carbonate	250	0.01639	4.09750
	Total Anions =		**54.6972**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	520	0.04990	25.94800
Potassium	9.4	0.02558	0.24045
Magnesium	110	0.08229	9.05190
Sodium	540	0.04350	23.49000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**58.730352**

Anion/Cation Balance (% difference) =	3.6%	
Total Anions+Cations =	3699 mg/l	(calculated)
Total Dissolved Solids =	3800 mg/l	(measured)
TDS/ion sum ratio =	1.03	
Electrical Cond =	4800 umh/cm	(measured)
TDS/EC ratio =	0.792	

PINNACLE LABS
Environmental Testing

Cation-Anion Balance Worksheet

Accession Number: 804080-06 SHS-18

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	820		
Chloride	140	0.02821	3.94940
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	640	0.02082	13.32480
Carbonate	2.1	0.03333	0.06999
Bi-Carbonate	820	0.01639	13.43980
	Total Anions =		**30.783993**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	220	0.04990	10.97800
Potassium	7.5	0.02558	0.19185
Magnesium	28	0.08229	2.30412
Sodium	550	0.04350	23.92500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**37.39897**

Anion/Cation Balance (% difference) =	9.7%	
Total Anions+Cations =	2078 mg/l	(calculated)
Total Dissolved Solids =	2000 mg/l	(measured)
TDS/ion sum ratio =	0.96	
Electrical Cond =	3100 umh/cm	(measured)
TDS/EC ratio =	0.645	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 400-30481-1

Job Description: 804080

For:
Pinnacle Laboratories
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Attention: Francine Torivio

Marty Edwards
Project Manager I
marty.edwards@testamericainc.com
05/14/2008

The test results in this report meet all NELAP requirements for accredited parameters and relate only to the referenced samples. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory.

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METHOD SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL PEN	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	TAL PEN		SW846 3010A
Conductivity, Specific Conductance	TAL PEN	MCAWW 120.1	
Total Dissolved Solids	TAL PEN	SM18 160.1	
Chloride	TAL PEN	MCAWW 325.2	
Sulfate	TAL PEN	MCAWW 375.4	
Alkalinity	TAL PEN	EPA EPA 310.1	

Lab References:

TAL PEN = TestAmerica Pensacola

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Method	Analyst	Analyst ID
SW846 6010B	St. Pere, Gary	GS
MCAWW 120.1	Taber, Sharon	ST
SM18 160.1	Taber, Sharon	ST
MCAWW 325.2	Gimlin, Wendy	WG
MCAWW 375.4	Gimlin, Wendy	WG
EPA EPA 310.1	Jones, Randy	RJ

SAMPLE SUMMARY

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-30481-1	SHS-9 / 804080-01	Water	04/25/2008 0901	04/30/2008 0955
400-30481-2	SHS-8 / 804080-02	Water	04/25/2008 0957	04/30/2008 0955
400-30481-3	SHS-1 / 804080-03	Water	04/25/2008 1045	04/30/2008 0955
400-30481-4	SHS-5 / 804080-04	Water	04/25/2008 1103	04/30/2008 0955
400-30481-5	SHS-2 / 804080-05	Water	04/25/2008 1147	04/30/2008 0955
400-30481-6	SHS-18 / 804080-06	Water	04/25/2008 1236	04/30/2008 0955

SAMPLE RESULTS

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Client Sample ID: SHS-9 / 804080-01

Lab Sample ID: 400-30481-1
Client Matrix: Water

Date Sampled: 04/25/2008 0901
Date Received: 04/30/2008 0955

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-69204	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-69007	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/08/2008 1733		Final Weight/Volume: 50 mL
Date Prepared:	05/07/2008 1321		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	120		0.50
Hardness	420		3.3
Magnesium	31		0.50
Potassium	6.1		1.0

Method:	6010B	Analysis Batch: 400-69294	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-69007	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	05/12/2008 1534		Final Weight/Volume: 50 mL
Date Prepared:	05/07/2008 1321		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	430		10

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Client Sample ID: SHS-8 / 804080-02

Lab Sample ID: 400-30481-2
Client Matrix: Water

Date Sampled: 04/25/2008 0957
Date Received: 04/30/2008 0955

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 05/08/2008 1738
Date Prepared: 05/07/2008 1321

Analysis Batch: 400-69204
Prep Batch: 400-69007

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	77		0.50
Hardness	240		3.3
Magnesium	12		0.50
Potassium	5.7		1.0

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 05/12/2008 1539
Date Prepared: 05/07/2008 1321

Analysis Batch: 400-69294
Prep Batch: 400-69007

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	360		5.0

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Client Sample ID: SHS-1 / 804080-03

Lab Sample ID:	400-30481-3	Date Sampled:	04/25/2008 1045
Client Matrix:	Water	Date Received:	04/30/2008 0955

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-69204		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-69007		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/08/2008 1743			Final Weight/Volume:	50 mL
Date Prepared:	05/07/2008 1321				

Analyte	Result (mg/L)	Qualifier	RL
Calcium	84		0.50
Hardness	300		3.3
Magnesium	21		0.50
Potassium	7.1		1.0

Method:	6010B	Analysis Batch: 400-69294		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-69007		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	05/12/2008 1544			Final Weight/Volume:	50 mL
Date Prepared:	05/07/2008 1321				

Analyte	Result (mg/L)	Qualifier	RL
Sodium	440		10

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Client Sample ID: SHS-5 / 804080-04

Lab Sample ID: 400-30481-4
Client Matrix: Water

Date Sampled: 04/25/2008 1103
Date Received: 04/30/2008 0955

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-69204	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-69007	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/08/2008 1748		Final Weight/Volume: 50 mL
Date Prepared:	05/07/2008 1321		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	380		0.50
Hardness	1100		3.3
Magnesium	35		0.50
Potassium	10		1.0

Method:	6010B	Analysis Batch: 400-69294	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-69007	Lab File ID: N/A
Dilution:	5.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/12/2008 1549		Final Weight/Volume: 50 mL
Date Prepared:	05/07/2008 1321		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	370		5.0

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Client Sample ID: SHS-2 / 804080-05

Lab Sample ID: 400-30481-5
Client Matrix: Water

Date Sampled: 04/25/2008 1147
Date Received: 04/30/2008 0955

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-69204		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-69007		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	05/08/2008 1753			Final Weight/Volume:	50 mL
Date Prepared:	05/07/2008 1321				

Analyte	Result (mg/L)	Qualifier	RL
Hardness	1600		3.3
Magnesium	110		0.50
Potassium	9.4		1.0

Method:	6010B	Analysis Batch: 400-69294		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-69007		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	05/12/2008 1553			Final Weight/Volume:	50 mL
Date Prepared:	05/07/2008 1321				

Analyte	Result (mg/L)	Qualifier	RL
Calcium	520		5.0
Sodium	540		10

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Client Sample ID: SHS-18 / 804080-06

Lab Sample ID: 400-30481-6
Client Matrix: Water

Date Sampled: 04/25/2008 1236
Date Received: 04/30/2008 0955

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-69204	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-69007	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/08/2008 1758		Final Weight/Volume: 50 mL
Date Prepared:	05/07/2008 1321		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	220		0.50
Hardness	670		3.3
Magnesium	28		0.50
Potassium	7.5		1.0

Method:	6010B	Analysis Batch: 400-69294	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-69007	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	05/12/2008 1558		Final Weight/Volume: 50 mL
Date Prepared:	05/07/2008 1321		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	550		10

General Chemistry

Client Sample ID: **SHS-9 / 804080-01**

Lab Sample ID: 400-30481-1
Client Matrix: Water

Date Sampled: 04/25/2008 0901
Date Received: 04/30/2008 0955

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	1000		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Bicarbonate Alkalinity as CaCO3	1000		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Carbonate Alkalinity as CaCO3	4.2		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Chloride	99		mg/L	4.0	2.0	325.2
Anly Batch: 400-68921	Date Analyzed 05/01/2008 1458					
Sulfate	51		mg/L	10	2.0	375.4
Anly Batch: 400-68895	Date Analyzed 05/01/2008 1450					

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2100		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-69176	Date Analyzed 05/09/2008 1533					
Total Dissolved Solids	1300		mg/L	5.0	1.0	160.1
Anly Batch: 400-68578	Date Analyzed 04/30/2008 1624					

General Chemistry

Client Sample ID: SHS-8 / 804080-02

Lab Sample ID: 400-30481-2
Client Matrix: Water

Date Sampled: 04/25/2008 0957
Date Received: 04/30/2008 0955

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	710		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Bicarbonate Alkalinity as CaCO3	710		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Carbonate Alkalinity as CaCO3	1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Chloride	110		mg/L	4.0	2.0	325.2
Anly Batch: 400-68921	Date Analyzed 05/01/2008 1458					
Sulfate	22		mg/L	5.0	1.0	375.4
Anly Batch: 400-68895	Date Analyzed 05/01/2008 1159					

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	1800		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-69176	Date Analyzed 05/09/2008 1533					
Total Dissolved Solids	990		mg/L	5.0	1.0	160.1
Anly Batch: 400-68578	Date Analyzed 04/30/2008 1624					

General Chemistry

Client Sample ID: SHS-1 / 804080-03

Lab Sample ID: 400-30481-3
Client Matrix: Water

Date Sampled: 04/25/2008 1045
Date Received: 04/30/2008 0955

Analyte	Result	Qual	Units		RL	Dil	Method
Alkalinity, Total	1000		mg/L		1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed		05/07/2008	1100			
Bicarbonate Alkalinity as CaCO3	1000		mg/L		1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed		05/07/2008	1100			
Carbonate Alkalinity as CaCO3	5.3		mg/L		1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed		05/07/2008	1100			
Hydroxide Alkalinity	<1.0		mg/L		1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed		05/07/2008	1100			
Chloride	97		mg/L		2.0	1.0	325.2
Anly Batch: 400-68921	Date Analyzed		05/01/2008	1455			
Sulfate	33		mg/L		5.0	1.0	375.4
Anly Batch: 400-68895	Date Analyzed		05/01/2008	1159			

Analyte	Result	Qual	Units		RL	Dil	Method
Specific Conductance	2000		umhos/cm		5.0	1.0	120.1
Anly Batch: 400-69176	Date Analyzed		05/09/2008	1533			
Total Dissolved Solids	1200		mg/L		5.0	1.0	160.1
Anly Batch: 400-68578	Date Analyzed		04/30/2008	1624			

Client: Pinnacle Laboratories

Job Number: 400-30481-1

General Chemistry

Client Sample ID: **SHS-5 / 804080-04**

Lab Sample ID: 400-30481-4
Client Matrix: Water

Date Sampled: 04/25/2008 1103
Date Received: 04/30/2008 0955

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	240		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Bicarbonate Alkalinity as CaCO3	240		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Carbonate Alkalinity as CaCO3	1.1		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Chloride	61		mg/L	2.0	1.0	325.2
Anly Batch: 400-68921	Date Analyzed 05/01/2008 1455					
Sulfate	1400		mg/L	250	50	375.4
Anly Batch: 400-68895	Date Analyzed 05/01/2008 1508					

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3200		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-69176	Date Analyzed 05/09/2008 1533					
Total Dissolved Solids	2400		mg/L	5.0	1.0	160.1
Anly Batch: 400-68578	Date Analyzed 04/30/2008 1624					

General Chemistry

Client Sample ID: SHS-2 / 804080-05

Lab Sample ID: 400-30481-5
Client Matrix: Water

Date Sampled: 04/25/2008 1147
Date Received: 04/30/2008 0955

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	250		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Bicarbonate Alkalinity as CaCO3	250		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Chloride	170		mg/L	10	5.0	325.2
Anly Batch: 400-68921	Date Analyzed 05/01/2008 1458					
Sulfate	2200		mg/L	500	100	375.4
Anly Batch: 400-68895	Date Analyzed 05/01/2008 1704					

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4800		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-69176	Date Analyzed 05/09/2008 1533					
Total Dissolved Solids	3800		mg/L	5.0	1.0	160.1
Anly Batch: 400-68578	Date Analyzed 04/30/2008 1624					

General Chemistry

Client Sample ID: **SHS-18 / 804080-06**

Lab Sample ID: 400-30481-6
Client Matrix: Water

Date Sampled: 04/25/2008 1236
Date Received: 04/30/2008 0955

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	820		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Bicarbonate Alkalinity as CaCO3	820		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Carbonate Alkalinity as CaCO3	2.1		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-69172	Date Analyzed 05/07/2008 1100					
Chloride	140		mg/L	10	5.0	325.2
Anly Batch: 400-68921	Date Analyzed 05/01/2008 1506					
Sulfate	640		mg/L	100	20	375.4
Anly Batch: 400-68895	Date Analyzed 05/01/2008 1505					

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3100		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-69176	Date Analyzed 05/09/2008 1533					
Total Dissolved Solids	2000		mg/L	5.0	1.0	160.1
Anly Batch: 400-68578	Date Analyzed 04/30/2008 1624					

QUALITY CONTROL RESULTS

Client: Pinnacle Laboratories

Job Number: 400-30481-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 400-69007					
LCS 400-69007/21-A	Lab Control Spike	T	Water	3010A	
MB 400-69007/20-A	Method Blank	T	Water	3010A	
400-30471-B-1-D MS	Matrix Spike	T	Water	3010A	
400-30471-B-1-E MSD	Matrix Spike Duplicate	T	Water	3010A	
400-30481-1	SHS-9 / 804080-01	T	Water	3010A	
400-30481-2	SHS-8 / 804080-02	T	Water	3010A	
400-30481-3	SHS-1 / 804080-03	T	Water	3010A	
400-30481-4	SHS-5 / 804080-04	T	Water	3010A	
400-30481-5	SHS-2 / 804080-05	T	Water	3010A	
400-30481-6	SHS-18 / 804080-06	T	Water	3010A	
Analysis Batch:400-69204					
LCS 400-69007/21-A	Lab Control Spike	T	Water	6010B	400-69007
MB 400-69007/20-A	Method Blank	T	Water	6010B	400-69007
400-30471-B-1-D MS	Matrix Spike	T	Water	6010B	400-69007
400-30471-B-1-E MSD	Matrix Spike Duplicate	T	Water	6010B	400-69007
400-30481-1	SHS-9 / 804080-01	T	Water	6010B	400-69007
400-30481-2	SHS-8 / 804080-02	T	Water	6010B	400-69007
400-30481-3	SHS-1 / 804080-03	T	Water	6010B	400-69007
400-30481-4	SHS-5 / 804080-04	T	Water	6010B	400-69007
400-30481-5	SHS-2 / 804080-05	T	Water	6010B	400-69007
400-30481-6	SHS-18 / 804080-06	T	Water	6010B	400-69007
Analysis Batch:400-69294					
400-30481-1	SHS-9 / 804080-01	T	Water	6010B	400-69007
400-30481-2	SHS-8 / 804080-02	T	Water	6010B	400-69007
400-30481-3	SHS-1 / 804080-03	T	Water	6010B	400-69007
400-30481-4	SHS-5 / 804080-04	T	Water	6010B	400-69007
400-30481-5	SHS-2 / 804080-05	T	Water	6010B	400-69007
400-30481-6	SHS-18 / 804080-06	T	Water	6010B	400-69007

Report Basis
T = Total

Client: Pinnacle Laboratories

Job Number: 400-30481-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-68578					
LCS 400-68578/2	Lab Control Spike	T	Water	160.1	
MB 400-68578/1	Method Blank	T	Water	160.1	
400-30439-A-1 DU	Duplicate	T	Water	160.1	
400-30481-1	SHS-9 / 804080-01	T	Water	160.1	
400-30481-2	SHS-8 / 804080-02	T	Water	160.1	
400-30481-3	SHS-1 / 804080-03	T	Water	160.1	
400-30481-4	SHS-5 / 804080-04	T	Water	160.1	
400-30481-5	SHS-2 / 804080-05	T	Water	160.1	
400-30481-6	SHS-18 / 804080-06	T	Water	160.1	
Analysis Batch:400-68895					
LCS 400-68895/2	Lab Control Spike	T	Water	375.4	
MB 400-68895/1	Method Blank	T	Water	375.4	
400-30471-A-1 MS	Matrix Spike	T	Water	375.4	
400-30471-A-1 MSD	Matrix Spike Duplicate	T	Water	375.4	
400-30481-1	SHS-9 / 804080-01	T	Water	375.4	
400-30481-2	SHS-8 / 804080-02	T	Water	375.4	
400-30481-3	SHS-1 / 804080-03	T	Water	375.4	
400-30481-3DU	Duplicate	T	Water	375.4	
400-30481-4	SHS-5 / 804080-04	T	Water	375.4	
400-30481-5	SHS-2 / 804080-05	T	Water	375.4	
400-30481-6	SHS-18 / 804080-06	T	Water	375.4	
Analysis Batch:400-68921					
LCS 400-68921/2	Lab Control Spike	T	Water	325.2	
MB 400-68921/1	Method Blank	T	Water	325.2	
400-30471-A-1 MS	Matrix Spike	T	Water	325.2	
400-30471-A-1 MSD	Matrix Spike Duplicate	T	Water	325.2	
400-30481-1	SHS-9 / 804080-01	T	Water	325.2	
400-30481-2	SHS-8 / 804080-02	T	Water	325.2	
400-30481-3	SHS-1 / 804080-03	T	Water	325.2	
400-30481-3DU	Duplicate	T	Water	325.2	
400-30481-4	SHS-5 / 804080-04	T	Water	325.2	
400-30481-5	SHS-2 / 804080-05	T	Water	325.2	
400-30481-6	SHS-18 / 804080-06	T	Water	325.2	

Client: Pinnacle Laboratories

Job Number: 400-30481-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-69172					
LCS 400-69172/2	Lab Control Spike	T	Water	EPA 310.1	
MB 400-69172/1	Method Blank	T	Water	EPA 310.1	
400-30481-1	SHS-9 / 804080-01	T	Water	EPA 310.1	
400-30481-1DU	Duplicate	T	Water	EPA 310.1	
400-30481-2	SHS-8 / 804080-02	T	Water	EPA 310.1	
400-30481-3	SHS-1 / 804080-03	T	Water	EPA 310.1	
400-30481-4	SHS-5 / 804080-04	T	Water	EPA 310.1	
400-30481-5	SHS-2 / 804080-05	T	Water	EPA 310.1	
400-30481-6	SHS-18 / 804080-06	T	Water	EPA 310.1	
Analysis Batch:400-69176					
LCS 400-69176/2	Lab Control Spike	T	Water	120.1	
MB 400-69176/1	Method Blank	T	Water	120.1	
400-30478-C-1 DU	Duplicate	T	Water	120.1	
400-30481-1	SHS-9 / 804080-01	T	Water	120.1	
400-30481-2	SHS-8 / 804080-02	T	Water	120.1	
400-30481-3	SHS-1 / 804080-03	T	Water	120.1	
400-30481-4	SHS-5 / 804080-04	T	Water	120.1	
400-30481-5	SHS-2 / 804080-05	T	Water	120.1	
400-30481-6	SHS-18 / 804080-06	T	Water	120.1	

Report Basis
T = Total

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Method Blank - Batch: 400-69007

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 400-69007/20-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2008 1634
Date Prepared: 05/07/2008 1321

Analysis Batch: 400-69204
Prep Batch: 400-69007
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Calcium	<0.50		0.50
Hardness	<3.3		3.3
Magnesium	<0.50		0.50
Potassium	<1.0		1.0
Sodium	<1.0		1.0

Lab Control Spike - Batch: 400-69007

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 400-69007/21-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/08/2008 1638
Date Prepared: 05/07/2008 1321

Analysis Batch: 400-69204
Prep Batch: 400-69007
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	10.0	10.4	104	80 - 120	
Hardness	66.2	67.3	102	80 - 120	
Magnesium	10.0	10.0	100	80 - 120	
Potassium	10.0	9.57	96	80 - 120	
Sodium	10.0	9.61	96	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-69007

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	400-30471-B-1-D MS	Analysis Batch: 400-69204	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-69007	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/08/2008 1653		Final Weight/Volume: 50 mL
Date Prepared:	05/07/2008 1321		

MSD Lab Sample ID:	400-30471-B-1-E MSD	Analysis Batch: 400-69204	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-69007	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	05/08/2008 1658		Final Weight/Volume: 50 mL
Date Prepared:	05/07/2008 1321		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual MSD Qual
Calcium	100	102	75 - 125	1	20	
Hardness	99	101	75 - 125	1	20	
Magnesium	99	100	75 - 125	1	20	
Potassium	100	100	75 - 125	0	20	
Sodium	106	106	75 - 125	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Method Blank - Batch: 400-69176

Method: 120.1
Preparation: N/A

Lab Sample ID: MB 400-69176/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/09/2008 1533
Date Prepared: N/A

Analysis Batch: 400-69176
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Specific Conductance	<5.0		5.0

Lab Control Spike - Batch: 400-69176

Method: 120.1
Preparation: N/A

Lab Sample ID: LCS 400-69176/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/09/2008 1533
Date Prepared: N/A

Analysis Batch: 400-69176
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 25 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance	8.79	8.67	99	98 - 102	

Duplicate - Batch: 400-69176

Method: 120.1
Preparation: N/A

Lab Sample ID: 400-30478-C-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/09/2008 1533
Date Prepared: N/A

Analysis Batch: 400-69176
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	390	394	0	2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Method Blank - Batch: 400-68578

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 400-68578/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/30/2008 1018
Date Prepared: N/A

Analysis Batch: 400-68578
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Total Dissolved Solids	<5.0		5.0

Lab Control Spike - Batch: 400-68578

Method: 160.1
Preparation: N/A

Lab Sample ID: LCS 400-68578/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/30/2008 1018
Date Prepared: N/A

Analysis Batch: 400-68578
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	293	288	98	83 - 110	

Duplicate - Batch: 400-68578

Method: 160.1
Preparation: N/A

Lab Sample ID: 400-30439-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 04/30/2008 1018
Date Prepared: N/A

Analysis Batch: 400-68578
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	130	120	5	19	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Method Blank - Batch: 400-68921

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 400-68921/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2008 1409
Date Prepared: N/A

Analysis Batch: 400-68921
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Chloride	<2.0		2.0

Lab Control Spike - Batch: 400-68921

Method: 325.2
Preparation: N/A

Lab Sample ID: LCS 400-68921/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2008 1409
Date Prepared: N/A

Analysis Batch: 400-68921
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	49.5	99	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-68921

Method: 325.2
Preparation: N/A

MS Lab Sample ID: 400-30471-A-1 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2008 1409
Date Prepared: N/A

Analysis Batch: 400-68921
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-30471-A-1 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2008 1409
Date Prepared: N/A

Analysis Batch: 400-68921
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	101	98	73 - 120	1	8		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Duplicate - Batch: 400-68921

Method: 325.2
Preparation: N/A

Lab Sample ID: 400-30481-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2008 1455
Date Prepared: N/A

Analysis Batch: 400-68921
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	97	98.0	1	8	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Method Blank - Batch: 400-68895

Method: 375.4
Preparation: N/A

Lab Sample ID: MB 400-68895/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2008 1131
Date Prepared: N/A

Analysis Batch: 400-68895
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Sulfate	<5.0		5.0

Lab Control Spike - Batch: 400-68895

Method: 375.4
Preparation: N/A

Lab Sample ID: LCS 400-68895/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2008 1131
Date Prepared: N/A

Analysis Batch: 400-68895
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	20.0	19.6	98	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-68895

Method: 375.4
Preparation: N/A

MS Lab Sample ID: 400-30471-A-1 MS
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 05/01/2008 1415
Date Prepared: N/A

Analysis Batch: 400-68895
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-30471-A-1 MSD
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 05/01/2008 1415
Date Prepared: N/A

Analysis Batch: 400-68895
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	73	73	77 - 128	0	5	F	F

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Duplicate - Batch: 400-68895

Method: 375.4
Preparation: N/A

Lab Sample ID: 400-30481-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/01/2008 1206
Date Prepared: N/A

Analysis Batch: 400-68895
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sulfate	33	32.5	2	5	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Method Blank - Batch: 400-69172

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: MB 400-69172/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2008 1100
Date Prepared: N/A

Analysis Batch: 400-69172
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Alkalinity, Total	<1.0		1.0

Lab Control Spike - Batch: 400-69172

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: LCS 400-69172/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2008 1100
Date Prepared: N/A

Analysis Batch: 400-69172
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	250	242	97	90 - 110	

Duplicate - Batch: 400-69172

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: 400-30481-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 05/07/2008 1100
Date Prepared: N/A

Analysis Batch: 400-69172
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity, Total	1000	1080	3	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

DATA REPORTING QUALIFIERS

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Lab Section	Qualifier	Description
General Chemistry		
	F	MS or MSD exceeds the control limits

Pinnacle Laboratories, Inc. 400-30481 **Interlab Chain of Custody** Date: 4/29/08 Page: 1 of 1

Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

SAMPLE ID	DATE	TIME	MATRIX	LAB ID
SHS-9/804080-01	4/25/08	0901	GW	
SHS-8/ -02		0957		
SHS-1/ -03		1045		
SHS-5/ -04		1103		
SHS-2/ -05		1147		
SHS-18/ -06		1236		

ANALYSIS REQUEST

Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Total Ca, Mg, K, Na	TOC	Gen Chemistry: TDS, EC, Cl, SO4	Alk+Bicarb/Carb/OH	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
					X		X	X													1
					X		X	X													1
					X		X	X													1
					X		X	X													1
					X		X	X													1
					X		X	X													1

PROJECT INFORMATION	SAMPLE RECEIPT	SAMPLES SENT TO:	RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
PROJECT #: 804080	Total Number of Containers	APEX LABS	Signature: Time:	Signature: Time:
PROJ. NAME: LODE	Chain of Custody Seals	ARS	Printed Name: Date: Francine Tanno 4/29/08	Printed Name: Date:
QC LEVEL: (STD) IV	Received Intact?	BIOVIR	Pinnacle Laboratories, Inc.	Company
QC REQUIRED: (MS) MSD BLANK	Received Good Cond./Cold	BSK ANALYTICAL	RECEIVED BY: 1.	RECEIVED BY: 2.
TAT: (STANDARD) RUSH!!	LAB NUMBER:	GEL	Signature: Time: 9:55	Signature: Time:
DUE DATE: 5/13	COMMENTS:	MWH LABS	Printed Name: Date: Kim Hor 04/30/08	Printed Name: Date:
RUSH SURCHARGE: —		TEST AMERICA-FL X	Company	Company
CLIENT DISCOUNT: —		WCAS		
SPECIAL CERTIFICATION REQUIRED: YES (NO)	0.0°C	WOHL		

Login Sample Receipt Check List

Client: Pinnacle Laboratories

Job Number: 400-30481-1

Login Number: 30481
Creator: Hor, Koma
List Number: 1

List Source: TestAmerica Pensacola

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 04-25-08 PAGE: 1 OF 1

PLI Accession #: 804080

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER:	Ashley Ager
COMPANY:	Ladestar Services
ADDRESS:	1588 CR 204
	Durango, CO 81301
PHONE:	970 946 1093
FAX:	970 385 6794
BILL TO:	Bill Robertson
COMPANY:	Western Refining
ADDRESS:	111 CR 4990
	Bloomfield, NM

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry: Alk Cor, TDS, EC	Cations, Hard, Ca, SO4	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals: Ca, Mg, K, Na	NUMBER OF CONTAINERS
SHS-9	4-25-08	0901	GW	01			✓															✓	✓	✓				✓	6
SHS-8	4-25-08	0957	GW	02			✓															✓	✓	✓				✓	6
SHS-1	4-25-08	1045	GW	03			✓															✓	✓	✓				✓	6
SHS-5	4-25-08	1103	GW	04			✓															✓	✓	✓				✓	6
SHS-2	4-25-08	1147	GW	05			✓															✓	✓	✓				✓	6
SHS-18	4-25-08	1236	GW	06			✓															✓	✓	✓				✓	6
2-5042008TB01	~~4-25-08~~ 4/28/08	~~1229~~ 1400	W	07			✓															✓	✓					✓	2
																							✓ 4/29/08						

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION

PROJ. NO.:	GBR
PROJ. NAME:	
P.O. NO.:	
SHIPPED VIA:	UPS

SAMPLE RECEIPT

NO CONTAINERS	38
CUSTODY SEALS	Y (N) NA
RECEIVED INTACT	Yes
BLUE ICE/ICE	4.2°

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐1 WEEK (NORMAL) ☒

*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐NM ☐SDWA ☐AZ ☐OTHER

METHANOL PRESERVATION ☐ | METALS ☐TOTAL ☐DISSOLVED

COMMENTS:

RELINQUISHED BY: 1.

Signature: Ashley Ager Time: 1400

Printed Name: Ashley Ager Date: 04-28-08

Company: Ladestar

See Reverse side (Force Majeure)

RECEIVED BY: 1.

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date:

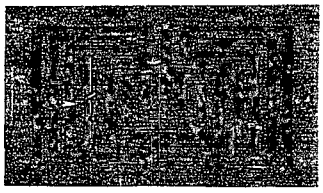
Company:

RECEIVED BY: (LAB) 2.

Signature: Time: 10:3

Printed Name: Date: 4/29/08

Pinnacle Laboratories Inc.



ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

Anasazi ID number **807072**
September 30, 2008

LODESTAR
1588 CR 204
DURANGO, NM 81301

Project Name GBR
Project Number (NONE)

Attention: ASHLEY AGER/BILL ROBERTSON

On 7/30/2008 Anasazi Environmental Solutions, (ADHS License No. AZ0736), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Method 601/602 analyses were performed by Anasazi Environmental Solutions (AES).

All remaining analyses were performed by TestAmerica Laboratories, Inc. (TA), Pensacola, FL.

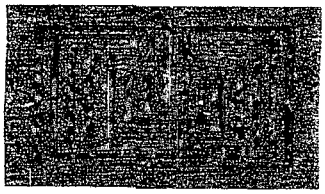
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

2709-D Pan American Frwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 Fax



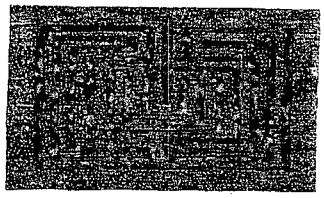
ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

CLIENT	: LODESTAR	PINNACLE ID	: 807072
PROJECT #	: (NONE)	DATE RECEIVED	: 7/30/2008
PROJECT NAME	: GBR	REPORT DATE	: 9/30/2008

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
807072 - 01	SHS-2	AQUEOUS	7/29/2008
807072 - 02	SHS-1	AQUEOUS	7/29/2008
807072 - 03	SHS-5	AQUEOUS	7/29/2008
807072 - 04	SHS-6	AQUEOUS	7/29/2008
807072 - 05	SHS-19	AQUEOUS	7/29/2008
807072 - 06	SHS-8	AQUEOUS	7/29/2008
807072 - 07	SHS-9	AQUEOUS	7/29/2008
807072 - 08	SHS-4	AQUEOUS	7/29/2008
807072 - 09	TRIP BLANK	AQUEOUS	7/24/2008

2709-D Pan American Frwy. NE Albuquerque, NM 87107 505.344.3777 505.344.4413 Fax



ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 601/602		
CLIENT	: LODESTAR	PINNACLE I.D.	: 807072
PROJECT #	: (NONE)	ANALYST	: DRK
PROJECT NAME	: GBR		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	SHS-2	AQUEOUS	7/29/2008	NA	8/4/2008	1
02	SHS-1	AQUEOUS	7/29/2008	NA	8/3/2008	1
03	SHS-5	AQUEOUS	7/29/2008	NA	8/3/2008	1

PARAMETER	DET. LIMIT	UNITS	SHS-2	SHS-1	SHS-5	P/E
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5	P
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	P
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	P
ETHYLBENZENE	**0.5**	**UG/L**	< 0.5	**0.7**	< 0.5	P
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0	P
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0	E
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3	E
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3	E
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
TETRACHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
BROMOFORM	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,2-DICHLOROBENZENE	**0.5**	**UG/L**	< 0.5	**1.2**	< 0.5	E
SURROGATE:						
TRIFLUOROTOLUENE (%)			70	88	98	
SURROGATE LIMITS	(70 - 130)					
1,4-DICHLOROBUTANE (%)			84	103	103	
SURROGATE LIMITS	(70 - 130)					

CHEMIST NOTES:
N/A

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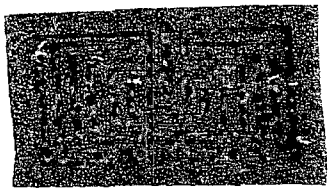

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

PINNACLE I.D. : 807072
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	SHS-6	AQUEOUS	7/29/2008	NA	8/3/2008	1
05	SHS-19	AQUEOUS	7/29/2008	NA	8/3/2008	1
06	SHS-8	AQUEOUS	7/29/2008	NA	8/3/2008	1

PARAMETER	DET. LIMIT	UNITS	SHS-6	SHS-19	SHS-8	P/E
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5	P
BENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**2.2**	P
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	P
ETHYLBENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**2.8**	P
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0	P
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0	E
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3	E
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3	E
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
TETRACHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
BROMOFORM	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,2-DICHLOROBENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**0.9**	E
SURROGATE:						
TRIFLUOROTOLUENE (%)			98	95	86	
SURROGATE LIMITS	(70 - 130)					
1,4-DICHLOROBUTANE (%)			103	105	103	
SURROGATE LIMITS	(70 - 130)					

CHEMIST NOTES:
N/A

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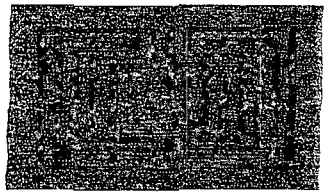

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

PINNACLE I.D. : 807072
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	SHS-9	AQUEOUS	7/29/2008	NA	8/3/2008	1
08	SHS-4	AQUEOUS	7/29/2008	NA	8/3/2008	1
09	TRIP BLANK	AQUEOUS	7/24/2008	NA	8/3/2008	1

PARAMETER	DET. LIMIT	UNITS	SHS-9	SHS-4	TRIP BLANK	P/E
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5	P
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	P
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	P
ETHYLBENZENE	**0.5**	**UG/L**	**2.9**	< 0.5	< 0.5	P
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0	P
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0	E
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3	E
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3	E
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2	E
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
TETRACHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
BROMOFORM	1.0	UG/L	< 1.0	< 1.0	< 1.0	E
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5	E
SURROGATE:						
TRIFLUOROTOLUENE (%)			83	98	**47 s**	
SURROGATE LIMITS	(70 - 130)					
1,4-DICHLOROBUTANE (%)			106	105	**57 s**	
SURROGATE LIMITS	(70 - 130)					

CHEMIST NOTES:

s = Surrogate recovery does not meet PLI criteria - low. Single-vial trip collected in manufacturer defect vial (septum).

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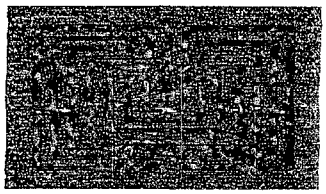

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602	PINNACLE I.D.	: 807072
BLANK I.D.	: 080308H1	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 8/3/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	ANALYST	: DRK

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	<2.5
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
CHLOROMETHANE	UG/L	<1.0
VINYL CHLORIDE	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CHLOROETHANE	UG/L	<0.5
TRICHLOROFLUOROMETHANE	UG/L	<0.2
1,1-DICHLOROETHENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,1-DICHLOROETHANE	UG/L	<0.3
CHLOROFORM	UG/L	<0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
1,2-DICHLOROPROPANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
BROMODICHLOROMETHANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
1,1,2-TRICHLOROETHANE	UG/L	<0.2
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<1.0
CHLOROBENZENE	UG/L	<0.5
BROMOFORM	UG/L	<1.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,2-DICHLOROBENZENE	UG/L	<0.5

SURROGATE:		
TRIFLUOROTOLUENE (%)		99
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE (%)		112
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
N/A

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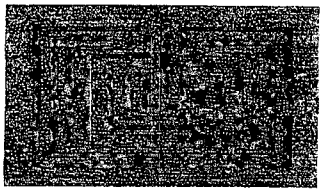

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602	PINNACLE I.D.	: 807072
BLANK I.D.	: 080208H1	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 8/2/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	ANALYST	: DRK

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	<2.5
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
CHLOROMETHANE	UG/L	<1.0
VINYL CHLORIDE	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CHLOROETHANE	UG/L	<0.5
TRICHLOROFLUOROMETHANE	UG/L	<0.2
1,1-DICHLOROETHENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,1-DICHLOROETHANE	UG/L	<0.3
CHLOROFORM	UG/L	<0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
1,2-DICHLOROPROPANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
BROMODICHLOROMETHANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
1,1,2-TRICHLOROETHANE	UG/L	<0.2
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<1.0
CHLOROBENZENE	UG/L	<0.5
BROMOFORM	UG/L	<1.0
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,2-DICHLOROBENZENE	UG/L	<0.5

SURROGATE:		
TRIFLUOROTOLUENE (%)		99
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE (%)		106
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
N/A

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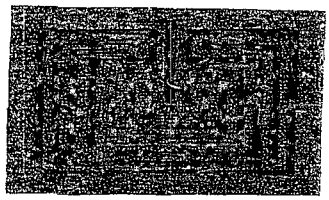

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 601/602	PINNACLE I.D.	: 807072
SAMPLE ID	: 807071-01 [2X]	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 08/0208
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
METHYL -t-BUTYL ETHER	<2.5	4.0	3.63	91	3.35	84	8	(70 - 130)	20
BENZENE	<0.5	4.0	3.55	89	3.34	84	6	(39 - 150)	20
TOLUENE	<0.5	4.0	3.74	94	3.48	87	7	(46 - 148)	20
ETHYLBENZENE	<0.5	4.0	3.61	90	3.36	84	7	(32 - 160)	20
TOTAL XYLENES	<2.0	12.0	11.1	93	10.3	86	7	(80 - 120)	20
CHLOROMETHANE	<1.0	4.0	7.06	177	5.22	130	**30 R**	(D - 193)	20
VINYL CHLORIDE	<0.5	4.0	4.48	112	4.13	103	8	(28 - 163)	20
BROMOMETHANE	<1.0	4.0	4.33	108	3.63	91	18	(D - 144)	20
CHLOROETHANE	<0.5	4.0	4.51	113	3.84	96	16	(46 - 137)	20
TRICHLOROFLUOROMETHANE	<0.2	4.0	3.44	86	3.00	75	14	(21 - 156)	20
1,1-DICHLOROETHENE	<0.2	4.0	3.87	97	3.54	88	9	(28 - 167)	20
METHYLENE CHLORIDE	<2.0	4.0	2.87	72	2.34	58	20	(25 - 162)	20
TRANS-1,2-DICHLOROETHENE	<1.0	4.0	4.00	100	3.69	92	8	(38 - 155)	20
1,1-DICHLOROETHANE	<0.3	4.0	4.17	104	3.86	97	8	(47 - 132)	20
CHLOROFORM	<0.5	4.0	4.29	107	4.10	103	5	(49 - 133)	20
1,2-DICHLOROETHANE (EDC)	<0.5	4.0	4.19	105	4.06	101	3	(51 - 147)	20
1,1,1-TRICHLOROETHANE	<1.0	4.0	4.60	115	4.45	111	3	(41 - 138)	20
CARBON TETRACHLORIDE	<0.2	4.0	4.23	106	4.05	101	4	(43 - 143)	20
1,2-DICHLOROPROPANE	<0.2	4.0	4.04	101	4.05	101	0	(44 - 156)	20
TRICHLOROETHENE	<0.3	4.0	3.98	99	3.94	99	1	(35 - 146)	20
BROMODICHLOROMETHANE	<0.2	4.0	4.23	106	4.20	105	1	(42 - 172)	20
CIS-1,3-DICHLOROPROPENE	<0.2	4.0	4.24	106	4.16	104	2	(22 - 178)	20
TRANS-1,3-DICHLOROPROPENE	<0.2	4.0	4.21	105	4.11	103	3	(22 - 178)	20
1,1,2-TRICHLOROETHANE	<0.2	4.0	3.44	86	3.40	85	1	(39 - 136)	20
DIBROMOCHLOROMETHANE	<0.2	4.0	4.11	103	4.02	100	2	(24 - 191)	20
1,2-DIBROMOETHANE (EDB)	<0.5	4.0	4.05	101	3.75	94	8	(80 - 120)	20
TETRACHLOROETHENE	<1.0	4.0	3.98	100	3.88	97	3	(26 - 162)	20
CHLOROBENZENE	<0.5	4.0	4.15	104	3.84	96	8	(38 - 150)	20
BROMOFORM	<1.0	4.0	3.98	100	4.08	102	2	(13 - 159)	20
1,1,2,2-TETRACHLOROETHANE	<0.5	4.0	4.41	110	4.00	100	10	(8 - 184)	20
1,3-DICHLOROBENZENE	<0.5	4.0	4.13	103	3.62	90	13	(7 - 187)	20
1,4-DICHLOROBENZENE	<0.5	4.0	4.21	105	3.85	96	9	(42 - 143)	20
1,2-DICHLOROBENZENE	<0.5	4.0	4.00	100	3.78	95	6	(D - 208)	20

CHEMIST NOTES:
The LCS/LCSD results for Chloromethane were 5.01 and 4.25, resulting in an RPD of 16.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

2709-D Pan American Frwy NE Albuquerque NM 87107 505.344.3777 505.344.4413 Fax

ANALYTICAL REPORT

Job Number: 400-32920-1

Job Description: 807072

For:
Anasazi NM Holding
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Attention: Mitch Rubenstein

Marty Edwards
Project Manager I
marty.edwards@testamericainc.com
08/19/2008

The test results in this report meet all NELAP requirements for accredited parameters and relate only to the referenced samples. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory.

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TestAmerica Laboratories, Inc.
TestAmerica Pensacola 3355 McLemore Drive, Pensacola, FL 32514
Tel (850) 474-1001 Fax (850) 478-2671 www.testamericainc.com

METHOD SUMMARY

Client: Anasazi NM Holding

Job Number: 400-32920-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL PEN	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	TAL PEN		SW846 3010A
Conductivity, Specific Conductance	TAL PEN	MCAWW 120.1	
pH	TAL PEN	40CFR136A 150.1	
Total Dissolved Solids	TAL PEN	SM18 160.1	
Chloride	TAL PEN	MCAWW 325.2	
Sulfate	TAL PEN	MCAWW 375.4	
Alkalinity	TAL PEN	EPA EPA 310.1	

Lab References:

TAL PEN = TestAmerica Pensacola

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition. 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Anasazi NM Holding

Job Number: 400-32920-1

Method	Analyst	Analyst ID
SW846 6010B	St. Pere, Gary	GS
MCAWW 120.1	Gimlin, Wendy	WG
40CFR136A 150.1	Rigby, Amy	AR
SM18 160.1	Gimlin, Wendy	WG
MCAWW 325.2	Rigby, Amy	AR
MCAWW 375.4	Rigby, Amy	AR
EPA EPA 310.1	Taber, Sharon	ST

SAMPLE SUMMARY

Client: Anasazi NM Holding

Job Number: 400-32920-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-32920-1	SHS-2/ 807072-01	Water	07/29/2008 1127	07/31/2008 1005
400-32920-2	SHS-1/ 807072-02	Water	07/29/2008 1148	07/31/2008 1005
400-32920-3	SHS-5/ 807072-03	Water	07/29/2008 1210	07/31/2008 1005
400-32920-4	SHS-6/ 807072-04	Water	07/29/2008 1233	07/31/2008 1005
400-32920-5	SHS-19/ 807072-05	Water	07/29/2008 1328	07/31/2008 1005
400-32920-6	SHS-8/ 807072-06	Water	07/29/2008 1351	07/31/2008 1005
400-32920-7	SHS-9/ 807072-07	Water	07/29/2008 1411	07/31/2008 1005
400-32920-8	SHS-4/ 807072-08	Water	07/29/2008 1453	07/31/2008 1005

SAMPLE RESULTS

Client: Anasazi NM Holding

Job Number: 400-32920-1

Client Sample ID: SHS-2/ 807072-01

Lab Sample ID:	400-32920-1	Date Sampled:	07/29/2008 1127
Client Matrix:	Water	Date Received:	07/31/2008 1005

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-73747		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-73694		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/01/2008 1943			Final Weight/Volume:	50 mL
Date Prepared:	08/01/2008 1055				

Analyte	Result (mg/L)	Qualifier	RL
Magnesium	96		0.50
Potassium	9.2		1.0

Method:	6010B	Analysis Batch: 400-73806		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-73694		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	08/04/2008 1508			Final Weight/Volume:	50 mL
Date Prepared:	08/01/2008 1055				

Analyte	Result (mg/L)	Qualifier	RL
Calcium	510		5.0
Hardness	1700		33
Sodium	480		10

Client: Anasazi NM Holding

Job Number: 400-32920-1

Client Sample ID: SHS-1/ 807072-02

Lab Sample ID: 400-32920-2
Client Matrix: Water

Date Sampled: 07/29/2008 1148
Date Received: 07/31/2008 1005

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-73747	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73694	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/01/2008 1947		Final Weight/Volume: 50 mL
Date Prepared:	08/01/2008 1055		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	75		0.50
Hardness	260		3.3
Magnesium	17		0.50
Potassium	1.8		1.0

Method:	6010B	Analysis Batch: 400-73806	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73694	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/04/2008 1513		Final Weight/Volume: 50 mL
Date Prepared:	08/01/2008 1055		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	410		10

Client: Anasazi NM Holding

Job Number: 400-32920-1

Client Sample ID: SHS-5/ 807072-03

Lab Sample ID: 400-32920-3
Client Matrix: Water

Date Sampled: 07/29/2008 1210
Date Received: 07/31/2008 1005

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/01/2008 1952
Date Prepared: 08/01/2008 1055

Analysis Batch: 400-73747
Prep Batch: 400-73694

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	350		0.50
Hardness	990		3.3
Magnesium	29		0.50
Potassium	1.7		1.0

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 08/04/2008 1518
Date Prepared: 08/01/2008 1055

Analysis Batch: 400-73806
Prep Batch: 400-73694

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	320		5.0

Client: Anasazi NM Holding

Job Number: 400-32920-1

Client Sample ID: SHS-19/ 807072-05

Lab Sample ID:	400-32920-5	Date Sampled:	07/29/2008 1328
Client Matrix:	Water	Date Received:	07/31/2008 1005

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-73747		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-73694		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/01/2008 2002			Final Weight/Volume:	50 mL
Date Prepared:	08/01/2008 1055				

Analyte	Result (mg/L)	Qualifier	RL
Calcium	210		0.50
Hardness	650		3.3
Magnesium	33		0.50
Potassium	1.8		1.0

Method:	6010B	Analysis Batch: 400-73806		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-73694		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	08/04/2008 1539			Final Weight/Volume:	50 mL
Date Prepared:	08/01/2008 1055				

Analyte	Result (mg/L)	Qualifier	RL
Sodium	460		10

Client: Anasazi NM Holding

Job Number: 400-32920-1

Client Sample ID: SHS-8/ 807072-06

Lab Sample ID: 400-32920-6
Client Matrix: Water

Date Sampled: 07/29/2008 1351
Date Received: 07/31/2008 1005

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-73747	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73694	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/01/2008 2019		Final Weight/Volume: 50 mL
Date Prepared:	08/01/2008 1055		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	64		0.50
Hardness	190		3.3
Magnesium	8.2		0.50
Potassium	1.2		1.0

Method:	6010B	Analysis Batch: 400-73806	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73694	Lab File ID: N/A
Dilution:	5.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/04/2008 1546		Final Weight/Volume: 50 mL
Date Prepared:	08/01/2008 1055		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	320		5.0

Client: Anasazi NM Holding

Job Number: 400-32920-1

Client Sample ID: SHS-9/ 807072-07

Lab Sample ID: 400-32920-7
Client Matrix: Water

Date Sampled: 07/29/2008 1411
Date Received: 07/31/2008 1005

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/01/2008 2023
Date Prepared: 08/01/2008 1055

Analysis Batch: 400-73747
Prep Batch: 400-73694

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	84		0.50
Hardness	330		3.3
Magnesium	29		0.50
Potassium	2.5		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/04/2008 1551
Date Prepared: 08/01/2008 1055

Analysis Batch: 400-73806
Prep Batch: 400-73694

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	400		10

Client: Anasazi NM Holding

Job Number: 400-32920-1

Client Sample ID: SHS-4/ 807072-08

Lab Sample ID: 400-32920-8
Client Matrix: Water

Date Sampled: 07/29/2008 1453
Date Received: 07/31/2008 1005

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/01/2008 2028
Date Prepared: 08/01/2008 1055

Analysis Batch: 400-73747
Prep Batch: 400-73694

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	400		0.50
Hardness	1100		3.3
Magnesium	34		0.50
Potassium	3.7		1.0

Method: 6010B
Preparation: 3010A
Dilution: 5.0
Date Analyzed: 08/04/2008 1556
Date Prepared: 08/01/2008 1055

Analysis Batch: 400-73806
Prep Batch: 400-73694

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	330		5.0

General Chemistry

Client Sample ID: SHS-2/ 807072-01

Lab Sample ID: 400-32920-1
Client Matrix: Water

Date Sampled: 07/29/2008 1127
Date Received: 07/31/2008 1005

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	210		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Bicarbonate Alkalinity as CaCO3	210		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Chloride	160		mg/L	4.0	2.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1750					
Sulfate	2300		mg/L	500	100	375.4
Anly Batch: 400-74314	Date Analyzed 08/12/2008 1215					

Analyte	Result	Qual	Units	Dil	Method
pH	6.26	HF	SU	1.0	150.1
Anly Batch: 400-74263	Date Analyzed 08/01/2008 1150				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4500		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74292	Date Analyzed 07/31/2008 1500					
Total Dissolved Solids	3700		mg/L	5.0	1.0	160.1
Anly Batch: 400-73843	Date Analyzed 07/31/2008 1610					

General Chemistry

Client Sample ID: SHS-1/ 807072-02

Lab Sample ID: 400-32920-2
Client Matrix: Water

Date Sampled: 07/29/2008 1148
Date Received: 07/31/2008 1005

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	1000		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Bicarbonate Alkalinity as CaCO3	1000		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Carbonate Alkalinity as CaCO3	2.2		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Chloride	91		mg/L	2.0	1.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1653					
Sulfate	11		mg/L	5.0	1.0	375.4
Anly Batch: 400-74314	Date Analyzed 08/11/2008 1624					

Analyte	Result	Qual	Units	Dil	Method
pH	7.09	HF	SU	1.0	150.1
Anly Batch: 400-74263	Date Analyzed 08/01/2008 1153				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	1900		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74292	Date Analyzed 07/31/2008 1500					
Total Dissolved Solids	1200		mg/L	5.0	1.0	160.1
Anly Batch: 400-73843	Date Analyzed 07/31/2008 1610					

General Chemistry

Client Sample ID: SHS-5/ 807072-03

Lab Sample ID: 400-32920-3
Client Matrix: Water

Date Sampled: 07/29/2008 1210
Date Received: 07/31/2008 1005

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	220		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Bicarbonate Alkalinity as CaCO3	220		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74287	Date Analyzed 08/11/2008 1115					
Chloride	56		mg/L	2.0	1.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/12/2008 1207					
Sulfate	1500		mg/L	500	100	375.4
Anly Batch: 400-74314	Date Analyzed 08/12/2008 1212					

Analyte	Result	Qual	Units	Dil	Method
pH	7.23	HF	SU	1.0	150.1
Anly Batch: 400-74263	Date Analyzed 08/01/2008 1155				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2900		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74292	Date Analyzed 07/31/2008 1500					
Total Dissolved Solids	2500		mg/L	5.0	1.0	160.1
Anly Batch: 400-73843	Date Analyzed 07/31/2008 1610					

General Chemistry

Client Sample ID: SHS-6/ 807072-04

Lab Sample ID: 400-32920-4
Client Matrix: Water

Date Sampled: 07/29/2008 1233
Date Received: 07/31/2008 1005

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	410		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Bicarbonate Alkalinity as CaCO3	410		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Chloride	76		mg/L	2.0	1.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1653					
Sulfate	1100		mg/L	500	100	375.4
Anly Batch: 400-74314	Date Analyzed 08/12/2008 1222					

Analyte	Result	Qual	Units	Dil	Method
pH	7.17	HF	SU	1.0	150.1
Anly Batch: 400-74263	Date Analyzed 08/01/2008 1156				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2800		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74292	Date Analyzed 07/31/2008 1500					
Total Dissolved Solids	1900		mg/L	5.0	1.0	160.1
Anly Batch: 400-73843	Date Analyzed 07/31/2008 1610					

General Chemistry

Client Sample ID: SHS-19/ 807072-05

Lab Sample ID: 400-32920-5
Client Matrix: Water

Date Sampled: 07/29/2008 1328
Date Received: 07/31/2008 1005

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	600		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Bicarbonate Alkalinity as CaCO3	600		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Carbonate Alkalinity as CaCO3	1.4		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Chloride	110		mg/L	4.0	2.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1750					
Sulfate	21		mg/L	5.0	1.0	375.4
Anly Batch: 400-74314	Date Analyzed 08/11/2008 1624					

Analyte	Result	Qual	Units	Dil	Method
pH	7.12	HF	SU	1.0	150.1
Anly Batch: 400-74263	Date Analyzed 08/01/2008 1157				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2800		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74292	Date Analyzed 07/31/2008 1500					
Total Dissolved Solids	2000		mg/L	5.0	1.0	160.1
Anly Batch: 400-73843	Date Analyzed 07/31/2008 1610					

General Chemistry

Client Sample ID: SHS-8/ 807072-06

Lab Sample ID: 400-32920-6
Client Matrix: Water

Date Sampled: 07/29/2008 1351
Date Received: 07/31/2008 1005

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	730		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Bicarbonate Alkalinity as CaCO3	730		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Chloride	100		mg/L	4.0	2.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1750					
Sulfate	19		mg/L	5.0	1.0	375.4
Anly Batch: 400-74314	Date Analyzed 08/12/2008 1213					

Analyte	Result	Qual	Units	Dil	Method
pH	6.71	HF	SU	1.0	150.1
Anly Batch: 400-74263	Date Analyzed 08/01/2008 1158				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	1600		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74292	Date Analyzed 07/31/2008 1500					
Total Dissolved Solids	980		mg/L	5.0	1.0	160.1
Anly Batch: 400-73843	Date Analyzed 07/31/2008 1610					

General Chemistry

Client Sample ID: SHS-9/ 807072-07

Lab Sample ID: 400-32920-7
Client Matrix: Water

Date Sampled: 07/29/2008 1411
Date Received: 07/31/2008 1005

Analyte	Result	Qual	Units		RL	Dil	Method
Alkalinity, Total	1100		mg/L		1.0	1.0	EPA 310.1
Anly Batch: 400-74423		Date Analyzed		08/11/2008 1700			
Bicarbonate Alkalinity as CaCO3	1100		mg/L		1.0	1.0	EPA 310.1
Anly Batch: 400-74423		Date Analyzed		08/11/2008 1700			
Carbonate Alkalinity as CaCO3	2.7		mg/L		1.0	1.0	EPA 310.1
Anly Batch: 400-74423		Date Analyzed		08/11/2008 1700			
Hydroxide Alkalinity	<1.0		mg/L		1.0	1.0	EPA 310.1
Anly Batch: 400-74423		Date Analyzed		08/11/2008 1700			
Chloride	95		mg/L		4.0	2.0	325.2
Anly Batch: 400-74317		Date Analyzed		08/11/2008 1750			
Sulfate	<5.0		mg/L		5.0	1.0	375.4
Anly Batch: 400-74314		Date Analyzed		08/11/2008 1624			

Analyte	Result	Qual	Units		Dil	Method
pH	7.16	HF	SU		1.0	150.1
Anly Batch: 400-74263		Date Analyzed		08/01/2008 1159		

Analyte	Result	Qual	Units		RL	Dil	Method
Specific Conductance	2100		umhos/cm		5.0	1.0	120.1
Anly Batch: 400-74294		Date Analyzed		08/05/2008 1545			
Total Dissolved Solids	1100		mg/L		5.0	1.0	160.1
Anly Batch: 400-73885		Date Analyzed		08/05/2008 1655			

Client: Anasazi NM Holding

Job Number: 400-32920-1

General Chemistry

Client Sample ID: SHS-4/ 807072-08

Lab Sample ID: 400-32920-8
Client Matrix: Water

Date Sampled: 07/29/2008 1453
Date Received: 07/31/2008 1005

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	200		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Bicarbonate Alkalinity as CaCO3	200		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/11/2008 1700					
Chloride	62		mg/L	2.0	1.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1653					
Sulfate	1600		mg/L	500	100	375.4
Anly Batch: 400-74314	Date Analyzed 08/12/2008 1157					

Analyte	Result	Qual	Units	Dil	Method
pH	7.21	HF	SU	1.0	150.1
Anly Batch: 400-74263	Date Analyzed 08/01/2008 1201				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3300		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/05/2008 1545					
Total Dissolved Solids	2700		mg/L	5.0	1.0	160.1
Anly Batch: 400-73885	Date Analyzed 08/05/2008 1655					

QUALITY CONTROL RESULTS

Client: Anasazi NM Holding

Job Number: 400-32920-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 400-73694					
LCS 400-73694/25-A	Lab Control Spike	T	Water	3010A	
MB 400-73694/24-A	Method Blank	T	Water	3010A	
400-32917-B-1-B MS	Matrix Spike	T	Water	3010A	
400-32917-B-1-C MSD	Matrix Spike Duplicate	T	Water	3010A	
400-32920-1	SHS-2/ 807072-01	T	Water	3010A	
400-32920-2	SHS-1/ 807072-02	T	Water	3010A	
400-32920-3	SHS-5/ 807072-03	T	Water	3010A	
400-32920-4	SHS-6/ 807072-04	T	Water	3010A	
400-32920-5	SHS-19/ 807072-05	T	Water	3010A	
400-32920-6	SHS-8/ 807072-06	T	Water	3010A	
400-32920-7	SHS-9/ 807072-07	T	Water	3010A	
400-32920-8	SHS-4/ 807072-08	T	Water	3010A	
Analysis Batch:400-73747					
LCS 400-73694/25-A	Lab Control Spike	T	Water	6010B	400-73694
MB 400-73694/24-A	Method Blank	T	Water	6010B	400-73694
400-32917-B-1-B MS	Matrix Spike	T	Water	6010B	400-73694
400-32917-B-1-C MSD	Matrix Spike Duplicate	T	Water	6010B	400-73694
400-32920-1	SHS-2/ 807072-01	T	Water	6010B	400-73694
400-32920-2	SHS-1/ 807072-02	T	Water	6010B	400-73694
400-32920-3	SHS-5/ 807072-03	T	Water	6010B	400-73694
400-32920-4	SHS-6/ 807072-04	T	Water	6010B	400-73694
400-32920-5	SHS-19/ 807072-05	T	Water	6010B	400-73694
400-32920-6	SHS-8/ 807072-06	T	Water	6010B	400-73694
400-32920-7	SHS-9/ 807072-07	T	Water	6010B	400-73694
400-32920-8	SHS-4/ 807072-08	T	Water	6010B	400-73694
Analysis Batch:400-73806					
400-32920-1	SHS-2/ 807072-01	T	Water	6010B	400-73694
400-32920-2	SHS-1/ 807072-02	T	Water	6010B	400-73694
400-32920-3	SHS-5/ 807072-03	T	Water	6010B	400-73694
400-32920-4	SHS-6/ 807072-04	T	Water	6010B	400-73694
400-32920-5	SHS-19/ 807072-05	T	Water	6010B	400-73694
400-32920-6	SHS-8/ 807072-06	T	Water	6010B	400-73694
400-32920-7	SHS-9/ 807072-07	T	Water	6010B	400-73694
400-32920-8	SHS-4/ 807072-08	T	Water	6010B	400-73694

Report Basis
T = Total

Client: Anasazi NM Holding

Job Number: 400-32920-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-73843					
LCS 400-73843/2	Lab Control Spike	T	Water	160.1	
MB 400-73843/1	Method Blank	T	Water	160.1	
400-32917-A-8 DU	Duplicate	T	Water	160.1	
400-32920-1	SHS-2/ 807072-01	T	Water	160.1	
400-32920-2	SHS-1/ 807072-02	T	Water	160.1	
400-32920-3	SHS-5/ 807072-03	T	Water	160.1	
400-32920-4	SHS-6/ 807072-04	T	Water	160.1	
400-32920-5	SHS-19/ 807072-05	T	Water	160.1	
400-32920-6	SHS-8/ 807072-06	T	Water	160.1	
Analysis Batch:400-73885					
LCS 400-73885/2	Lab Control Spike	T	Water	160.1	
MB 400-73885/1	Method Blank	T	Water	160.1	
400-32920-7	SHS-9/ 807072-07	T	Water	160.1	
400-32920-7DU	Duplicate	T	Water	160.1	
400-32920-8	SHS-4/ 807072-08	T	Water	160.1	
Analysis Batch:400-74263					
400-32920-1	SHS-2/ 807072-01	T	Water	150.1	
400-32920-1DU	Duplicate	T	Water	150.1	
400-32920-2	SHS-1/ 807072-02	T	Water	150.1	
400-32920-3	SHS-5/ 807072-03	T	Water	150.1	
400-32920-4	SHS-6/ 807072-04	T	Water	150.1	
400-32920-5	SHS-19/ 807072-05	T	Water	150.1	
400-32920-6	SHS-8/ 807072-06	T	Water	150.1	
400-32920-7	SHS-9/ 807072-07	T	Water	150.1	
400-32920-8	SHS-4/ 807072-08	T	Water	150.1	
Analysis Batch:400-74287					
LCS 400-74287/2	Lab Control Spike	T	Water	EPA 310.1	
MB 400-74287/1	Method Blank	T	Water	EPA 310.1	
400-32917-A-1 DU	Duplicate	T	Water	EPA 310.1	
400-32920-1	SHS-2/ 807072-01	T	Water	EPA 310.1	
400-32920-2	SHS-1/ 807072-02	T	Water	EPA 310.1	
400-32920-3	SHS-5/ 807072-03	T	Water	EPA 310.1	

Client: Anasazi NM Holding

Job Number: 400-32920-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74292					
LCS 400-74292/2	Lab Control Spike	T	Water	120.1	
MB 400-74292/1	Method Blank	T	Water	120.1	
400-32917-A-1 DU	Duplicate	T	Water	120.1	
400-32920-1	SHS-2/ 807072-01	T	Water	120.1	
400-32920-2	SHS-1/ 807072-02	T	Water	120.1	
400-32920-3	SHS-5/ 807072-03	T	Water	120.1	
400-32920-4	SHS-6/ 807072-04	T	Water	120.1	
400-32920-5	SHS-19/ 807072-05	T	Water	120.1	
400-32920-6	SHS-8/ 807072-06	T	Water	120.1	
Analysis Batch:400-74294					
LCS 400-74294/2	Lab Control Spike	T	Water	120.1	
MB 400-74294/1	Method Blank	T	Water	120.1	
400-32920-7	SHS-9/ 807072-07	T	Water	120.1	
400-32920-7DU	Duplicate	T	Water	120.1	
400-32920-8	SHS-4/ 807072-08	T	Water	120.1	
Analysis Batch:400-74314					
LCS 400-74314/2	Lab Control Spike	T	Water	375.4	
MB 400-74314/1	Method Blank	T	Water	375.4	
400-32920-1	SHS-2/ 807072-01	T	Water	375.4	
400-32920-2	SHS-1/ 807072-02	T	Water	375.4	
400-32920-3	SHS-5/ 807072-03	T	Water	375.4	
400-32920-4	SHS-6/ 807072-04	T	Water	375.4	
400-32920-4DU	Duplicate	T	Water	375.4	
400-32920-5	SHS-19/ 807072-05	T	Water	375.4	
400-32920-6	SHS-8/ 807072-06	T	Water	375.4	
400-32920-7	SHS-9/ 807072-07	T	Water	375.4	
400-32920-8	SHS-4/ 807072-08	T	Water	375.4	
400-32942-B-4 MS	Matrix Spike	T	Water	375.4	
400-32942-B-4 MSD	Matrix Spike Duplicate	T	Water	375.4	

Client: Anasazi NM Holding

Job Number: 400-32920-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74317					
LCS 400-74317/2	Lab Control Spike	T	Water	325.2	
MB 400-74317/1	Method Blank	T	Water	325.2	
400-32920-1	SHS-2/ 807072-01	T	Water	325.2	
400-32920-2	SHS-1/ 807072-02	T	Water	325.2	
400-32920-3	SHS-5/ 807072-03	T	Water	325.2	
400-32920-3MS	Matrix Spike	T	Water	325.2	
400-32920-3MSD	Matrix Spike Duplicate	T	Water	325.2	
400-32920-4	SHS-6/ 807072-04	T	Water	325.2	
400-32920-4DU	Duplicate	T	Water	325.2	
400-32920-5	SHS-19/ 807072-05	T	Water	325.2	
400-32920-6	SHS-8/ 807072-06	T	Water	325.2	
400-32920-7	SHS-9/ 807072-07	T	Water	325.2	
400-32920-8	SHS-4/ 807072-08	T	Water	325.2	
Analysis Batch:400-74423					
LCS 400-74423/2	Lab Control Spike	T	Water	EPA 310.1	
MB 400-74423/1	Method Blank	T	Water	EPA 310.1	
400-32920-4	SHS-6/ 807072-04	T	Water	EPA 310.1	
400-32920-4DU	Duplicate	T	Water	EPA 310.1	
400-32920-5	SHS-19/ 807072-05	T	Water	EPA 310.1	
400-32920-6	SHS-8/ 807072-06	T	Water	EPA 310.1	
400-32920-7	SHS-9/ 807072-07	T	Water	EPA 310.1	
400-32920-8	SHS-4/ 807072-08	T	Water	EPA 310.1	

Report Basis
T = Total

Client: Anasazi NM Holding

Job Number: 400-32920-1

Method Blank - Batch: 400-73694

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 400-73694/24-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/01/2008 1757
Date Prepared: 08/01/2008 1055

Analysis Batch: 400-73747
Prep Batch: 400-73694
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Calcium	<0.50		0.50
Hardness	<3.3		3.3
Magnesium	<0.50		0.50
Potassium	<1.0		1.0
Sodium	<1.0		1.0

Lab Control Spike - Batch: 400-73694

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 400-73694/25-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/01/2008 1802
Date Prepared: 08/01/2008 1055

Analysis Batch: 400-73747
Prep Batch: 400-73694
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	10.0	10.1	101	80 - 120	
Hardness	66.2	66.1	100	80 - 120	
Magnesium	10.0	9.92	99	80 - 120	
Potassium	10.0	10.2	102	80 - 120	
Sodium	10.0	9.75	97	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-73694

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	400-32917-B-1-B MS	Analysis Batch: 400-73747	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-73694	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/01/2008 1828		Final Weight/Volume: 50 mL
Date Prepared:	08/01/2008 1055		

MSD Lab Sample ID:	400-32917-B-1-C MSD	Analysis Batch: 400-73747	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-73694	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/01/2008 1833		Final Weight/Volume: 50 mL
Date Prepared:	08/01/2008 1055		

	% Rec.					
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	38	30	75 - 125	0	20	4	4
Hardness	76	72	75 - 125	0	20	4	4
Magnesium	99	98	75 - 125	0	20	4	4
Potassium	144	144	75 - 125	0	20	F	F
Sodium	121	97	75 - 125	1	20	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Method Blank - Batch: 400-74292

Method: 120.1
Preparation: N/A

Lab Sample ID: MB 400-74292/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2008 1500
Date Prepared: N/A

Analysis Batch: 400-74292
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Specific Conductance	<5.0		5.0

Lab Control Spike - Batch: 400-74292

Method: 120.1
Preparation: N/A

Lab Sample ID: LCS 400-74292/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2008 1500
Date Prepared: N/A

Analysis Batch: 400-74292
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance	10.4	10.5	101	98 - 102	

Duplicate - Batch: 400-74292

Method: 120.1
Preparation: N/A

Lab Sample ID: 400-32917-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2008 1500
Date Prepared: N/A

Analysis Batch: 400-74292
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	3000	3060	1	2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Method Blank - Batch: 400-74294

Method: 120.1
Preparation: N/A

Lab Sample ID: MB 400-74294/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1545
Date Prepared: N/A

Analysis Batch: 400-74294
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Specific Conductance	<5.0		5.0

Lab Control Spike - Batch: 400-74294

Method: 120.1
Preparation: N/A

Lab Sample ID: LCS 400-74294/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1545
Date Prepared: N/A

Analysis Batch: 400-74294
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance	10.4	10.6	101	98 - 102	

Duplicate - Batch: 400-74294

Method: 120.1
Preparation: N/A

Lab Sample ID: 400-32920-7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1545
Date Prepared: N/A

Analysis Batch: 400-74294
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	2100	2110	1	2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Duplicate - Batch: 400-74263

Method: 150.1
Preparation: N/A

Lab Sample ID: 400-32920-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/01/2008 1152
Date Prepared: N/A

Analysis Batch: 400-74263
Prep Batch: N/A
Units: SU

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	6.26	6.260	0		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Method Blank - Batch: 400-73843

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 400-73843/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2008 1610
Date Prepared: N/A

Analysis Batch: 400-73843
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Total Dissolved Solids	<5.0		5.0

Lab Control Spike - Batch: 400-73843

Method: 160.1
Preparation: N/A

Lab Sample ID: LCS 400-73843/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2008 1610
Date Prepared: N/A

Analysis Batch: 400-73843
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	293	268	91	83 - 110	

Duplicate - Batch: 400-73843

Method: 160.1
Preparation: N/A

Lab Sample ID: 400-32917-A-8 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 07/31/2008 1610
Date Prepared: N/A

Analysis Batch: 400-73843
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	4000	4040	1	19	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Method Blank - Batch: 400-73885

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 400-73885/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1655
Date Prepared: N/A

Analysis Batch: 400-73885
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Total Dissolved Solids	<5.0		5.0

Lab Control Spike - Batch: 400-73885

Method: 160.1
Preparation: N/A

Lab Sample ID: LCS 400-73885/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1655
Date Prepared: N/A

Analysis Batch: 400-73885
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	293	270	92	83 - 110	

Duplicate - Batch: 400-73885

Method: 160.1
Preparation: N/A

Lab Sample ID: 400-32920-7
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1655
Date Prepared: N/A

Analysis Batch: 400-73885
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	1100	1260	9	19	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Method Blank - Batch: 400-74317

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 400-74317/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1653
Date Prepared: N/A

Analysis Batch: 400-74317
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Chloride	<2.0		2.0

Lab Control Spike - Batch: 400-74317

Method: 325.2
Preparation: N/A

Lab Sample ID: LCS 400-74317/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1653
Date Prepared: N/A

Analysis Batch: 400-74317
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	49.5	99	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74317

Method: 325.2
Preparation: N/A

MS Lab Sample ID: 400-32920-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1125
Date Prepared: N/A

Analysis Batch: 400-74317
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-32920-3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1125
Date Prepared: N/A

Analysis Batch: 400-74317
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	93	90	73 - 120	1	8		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Duplicate - Batch: 400-74317

Method: 325.2
Preparation: N/A

Lab Sample ID: 400-32920-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1653
Date Prepared: N/A

Analysis Batch: 400-74317
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	76	76.2	0	8	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Method Blank - Batch: 400-74314

Method: 375.4
Preparation: N/A

Lab Sample ID: MB 400-74314/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1624
Date Prepared: N/A

Analysis Batch: 400-74314
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Sulfate	<5.0		5.0

Lab Control Spike - Batch: 400-74314

Method: 375.4
Preparation: N/A

Lab Sample ID: LCS 400-74314/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1624
Date Prepared: N/A

Analysis Batch: 400-74314
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	20.0	20.8	104	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74314

Method: 375.4
Preparation: N/A

MS Lab Sample ID: 400-32942-B-4 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1124
Date Prepared: N/A

Analysis Batch: 400-74314
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-32942-B-4 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1124
Date Prepared: N/A

Analysis Batch: 400-74314
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	127	126	77 - 128	1	5		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Duplicate - Batch: 400-74314

Method: 375.4
Preparation: N/A

Lab Sample ID: 400-32920-4
Client Matrix: Water
Dilution: 100
Date Analyzed: 08/12/2008 1240
Date Prepared: N/A

Analysis Batch: 400-74314
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sulfate	1100	1100	1	5	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Method Blank - Batch: 400-74287

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: MB 400-74287/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1115
Date Prepared: N/A

Analysis Batch: 400-74287
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Alkalinity, Total	<1.0		1.0
Bicarbonate Alkalinity as CaCO3	N/A		1.0
Carbonate Alkalinity as CaCO3	N/A		1.0
Hydroxide Alkalinity	N/A		1.0

Lab Control Spike - Batch: 400-74287

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: LCS 400-74287/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1115
Date Prepared: N/A

Analysis Batch: 400-74287
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	250	247	99	90 - 110	

Duplicate - Batch: 400-74287

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: 400-32917-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1115
Date Prepared: N/A

Analysis Batch: 400-74287
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity, Total	340	342	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-32920-1

Method Blank - Batch: 400-74423

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: MB 400-74423/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1700
Date Prepared: N/A

Analysis Batch: 400-74423
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Alkalinity, Total	<1.0		1.0

Lab Control Spike - Batch: 400-74423

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: LCS 400-74423/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1700
Date Prepared: N/A

Analysis Batch: 400-74423
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	250	247	99	90 - 110	

Duplicate - Batch: 400-74423

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: 400-32920-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1700
Date Prepared: N/A

Analysis Batch: 400-74423
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity, Total	410	412	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

DATA REPORTING QUALIFIERS

Client: Anasazi NM Holding

Job Number: 400-32920-1

Lab Section	Qualifier	Description
Metals		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 7/30/08 Page: 1 of 1

LABORATORIES Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

400-32920

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Hardness, Ca, Mg, K, Na	TOC	Gen Chemistry: Alk+Bicarb/Carb/OH	pH, TDS, EC, Cl, SO4	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
SHS-2/807072-01	7/29/08	1127	GW							X		X	X													
SHS-1/ -02		1148								X		X	X													
SHS-5/ -03		1210								X		X	X													
SHS-6/ -04		1233								X		X	X													
SHS-19/ -05		1328								X		X	X													
SHS-8/ -06		1351								X		X	X													
SHS-9/ -07		1411								X		X	X													
SHS-4/ -08	↓	1453	↓							X		X	X													

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PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISED BY: 1.	RELINQUISED BY: 2.
PROJECT #:	807072	Total Number of Containers		APEX LABS		Signature: Time: Francine Tenorio 1700	Signature: Time:
PROJ. NAME:	LODE	Chain of Custody Seals		ARS		Printed Name: Date: Francine Tenorio 7/30/08	Printed Name: Date:
QC LEVEL:	STD IV	Received Intact?		BIOVIR		Pinnacle Laboratories, Inc.	Company
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold		BSK ANALYTICAL		RECEIVED BY: 1.	RECEIVED BY: 2.
TAT:	STANDARD RUSH!!	LAB NUMBER:		GEL		Signature: Time: Mark Griffin 1005	Signature: Time:
DUE DATE:	8/13	COMMENTS:		MWH LABS		Printed Name: Date: 7/31/08	Printed Name: Date:
RUSH SURCHARGE:	—			TEST AMERICA-FL	X	Company	Company
CLIENT DISCOUNT:	—	2.7°c		WCAS			
SPECIAL CERTIFICATION REQUIRED:	YES (NO)	3.5°c		WOHL			

Login Sample Receipt Check List

Client: Anasazi NM Holding

Job Number: 400-32920-1

Login Number: 32920
Creator: Swafford, Mark
List Number: 1

List Source: TestAmerica Pensacola

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7°C, 3.5°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

PINNACLE LABORATORIES

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 7-29-08 PAGE: 1 OF 1

PLI Accession #: 807072

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER:	Ashley Ager
COMPANY:	Lodestar Services
ADDRESS:	1588 CR 204
	Durango, CO 81301
PHONE:	970 946 1093
FAX:	970 385 6794
BILL TO:	Bill Robertson
COMPANY:	Western Refining
ADDRESS:	111 CR 4990
	Bloomfield, NM

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry: Hard, Ca, Mg, K, Na, Alk, TDS, EC, pH, Cl, SO4	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:	NUMBER OF CONTAINERS
SHS-2	07-29-08	1127	GW	01			✓															✓	✓					4
SHS-1	7-29-08	1148	GW	02			✓															✓	✓					4
SHS-5	7-29-08	1210	GW	03			✓															✓	✓					4
SHS-6	7-29-08	1233	GW	04			✓															✓	✓					4
SHS-F1	7-29-08	1328	GW	05			✓															✓	✓					4
SHS-8	7-29-08	1351	GW	06			✓															✓	✓					4
SHS-9	7-29-08	1411	GW	07			✓															✓	✓					4
SHS-4	7-29-08	1453	GW	08			✓															✓	✓					4
Trip Blank	7/29/08	1603	AQ	09			✓																					1

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION	
PROJ. NO.:	
PROJ. NAME:	GBR
P.O. NO.:	
SHIPPED VIA:	UPS

SAMPLE RECEIPT	
NO CONTAINERS	33
CUSTODY SEALS	Y (N) NA
RECEIVED INTACT	Yes
BLUE ICE/ICE	8.3°

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐ 1 WEEK (NORMAL) ☒

*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS: Ice Present

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Ashley Ager Time: 1530	Signature: Time:
Printed Name: Ashley Ager Date: 7-29-08	Printed Name: Date:
Company: Lodestar Services	Company:
See reverse side (Force Majeure)	
RECEIVED BY: 1.	**RECEIVED BY: (LAB) 2.**
Signature: Time: 1630	Signature: Time: 1155
Printed Name: Troy Urban Date: 7-29-08	Printed Name: Date: 7/30/08
Company: Lodestar Services	Pinnacle Laboratories Inc.

Cation-Anion Balance Worksheet

Accession Number: 807072-01

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	210		
Chloride	160	0.02821	4.51360
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	2300	0.02082	47.88600
Carbonate		0.03333	0.00000
Bi-Carbonate	210	0.01639	3.44190
	Total Anions =		**55.8415**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	510	0.04990	25.44900
Potassium	9.2	0.02558	0.23534
Magnesium	96	0.08229	7.89984
Sodium	480	0.04350	20.88000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**54.464176**

Anion/Cation Balance (% difference) =	1.2%	
Total Anions+Cations =	3681 mg/l	(calculated)
Total Dissolved Solids =	3700 mg/l	(measured)
TDS/ion sum ratio =	1.01	
Electrical Cond =	4500 umh/cm	(measured)
TDS/EC ratio =	0.822	

Cation-Anion Balance Worksheet

Accession Number: 807072-02

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1000		
Chloride	91	0.02821	2.56711
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	11	0.02082	0.22902
Carbonate	2.2	0.03333	0.07333
Bi-Carbonate	1000	0.01639	16.39000
	Total Anions =		**19.259456**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	75	0.04990	3.74250
Potassium	1.8	0.02558	0.04604
Magnesium	17	0.08229	1.39893
Sodium	410	0.04350	17.83500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**23.022474**

Anion/Cation Balance (% difference) =	8.9%	
Total Anions+Cations =	1206 mg/l	(calculated)
Total Dissolved Solids =	1200 mg/l	(measured)
TDS/ion sum ratio =	1.00	
Electrical Cond =	1900 umh/cm	(measured)
TDS/EC ratio =	0.632	

Cation-Anion Balance Worksheet

Accession Number: 807072-04

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	410		
Chloride	76	0.02821	2.14396
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1100	0.02082	22.90200
Carbonate		0.03333	0.00000
Bi-Carbonate	410	0.01639	6.71990
	Total Anions =		**31.76586**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	240	0.04990	11.97600
Potassium	2.5	0.02558	0.06395
Magnesium	36	0.08229	2.96244
Sodium	400	0.04350	17.40000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**32.40239**

Anion/Cation Balance (% difference) =	1.0%		
Total Anions+Cations =	2101	mg/l	(calculated)
Total Dissolved Solids =	1900	mg/l	(measured)
TDS/ion sum ratio =	0.90		
Electrical Cond =	2800	umh/cm	(measured)
TDS/EC ratio =	0.679		

Cation-Anion Balance Worksheet

Accession Number: 807072-05

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	600		
Chloride	110	0.02821	3.10310
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	21	0.02082	0.43722
Carbonate	1.4	0.03333	0.04666
Bi-Carbonate	600	0.01639	9.83400
	Total Anions =		**13.420982**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	210	0.04990	10.47900
Potassium	1.8	0.02558	0.04604
Magnesium	33	0.08229	2.71557
Sodium	460	0.04350	20.01000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**33.250614**

Anion/Cation Balance (% difference) =	42.5%	
Total Anions+Cations =	1196 mg/l	(calculated)
Total Dissolved Solids =	2000 mg/l	(measured)
TDS/ion sum ratio =	1.67	
Electrical Cond =	2800 umh/cm	(measured)
TDS/EC ratio =	0.714	

Cation-Anion Balance Worksheet

Accession Number: 807072-06

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	730		
Chloride	100	0.02821	2.82100
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	19	0.02082	0.39558
Carbonate		0.03333	0.00000
Bi-Carbonate	730	0.01639	11.96470
	Total Anions =		**15.18128**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	64	0.04990	3.19360
Potassium	1.2	0.02558	0.03070
Magnesium	8.2	0.08229	0.67478
Sodium	320	0.04350	13.92000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**17.819074**

Anion/Cation Balance (% difference) =	8.0%	
Total Anions+Cations =	950 mg/l	(calculated)
Total Dissolved Solids =	980 mg/l	(measured)
TDS/ion sum ratio =	1.03	
Electrical Cond =	1600 umh/cm	(measured)
TDS/EC ratio =	0.613	

Cation-Anion Balance Worksheet

Accession Number: 807072-07

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1100		
Chloride	95	0.02821	2.67995
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	0	0.02082	0.00000
Carbonate	2.7	0.03333	0.08999
Bi-Carbonate	1100	0.01639	18.02900
	Total Anions =		**20.798941**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	84	0.04990	4.19160
Potassium	2.5	0.02558	0.06395
Magnesium	29	0.08229	2.38641
Sodium	400	0.04350	17.40000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**24.04196**

Anion/Cation Balance (% difference) =	7.2%		
Total Anions+Cations =	1271	mg/l	(calculated)
Total Dissolved Solids =	1100	mg/l	(measured)
TDS/ion sum ratio =	0.87		
Electrical Cond =	2100	umh/cm	(measured)
TDS/EC ratio =	0.524		

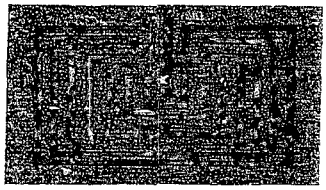
Cation-Anion Balance Worksheet

Accession Number: 807072-08

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	200		
Chloride	62	0.02821	1.74902
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1600	0.02082	33.31200
Carbonate		0.03333	0.00000
Bi-Carbonate	200	0.01639	3.27800
	Total Anions =		**38.33902**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	400	0.04990	19.96000
Potassium	3.7	0.02558	0.09465
Magnesium	34	0.08229	2.79786
Sodium	330	0.04350	14.35500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**37.207506**

Anion/Cation Balance (% difference) =	1.5%	
Total Anions+Cations =	2550 mg/l	(calculated)
Total Dissolved Solids =	2700 mg/l	(measured)
TDS/ion sum ratio =	1.06	
Electrical Cond =	3300 umh/cm	(measured)
TDS/EC ratio =	0.818	



ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

Pinnacle Lab ID number **808004**
October 13, 2008

LODESTAR
1588 CR 204
DURANGO, NM 81301

Project Name GBR
Project Number (NONE)

Attention: ASHLEY AGER/BILL ROBERTSON

On 8/1/2008 Pinnacle Laboratories Inc., (ADHS License No. AZ0643), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Method 601/602 analyses were performed by Anasazi Environmental Solutions (AES).

All remainintg analyses were performed by TestAmerica Laboratories, Inc. (TA), Pensacola, FL.

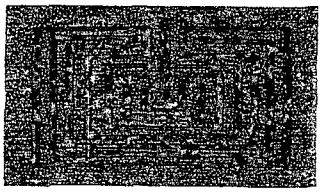
If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure

2709 D Pan American Frwy NE Albuquerque NM 87107 505.344.3777 505.344.4413 Fax

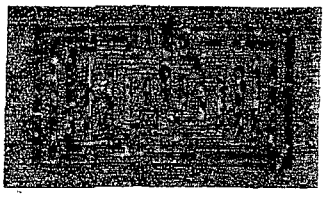


ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

CLIENT	: LODESTAR	PINNACLE ID	: 808004
PROJECT #	: (NONE)	DATE RECEIVED	: 8/1/2008
PROJECT NAME	: GBR	REPORT DATE	: 10/13/2008

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
808004 - 01	GRW-6	AQUEOUS	7/31/2008
808004 - 02	GRW-5	AQUEOUS	7/31/2008
808004 - 03	GRW-4	AQUEOUS	7/31/2008
808004 - 04	GRW-9	AQUEOUS	7/31/2008
808004 - 05	GRW-11	AQUEOUS	7/31/2008
808004 - 06	GRW-13	AQUEOUS	7/31/2008
808004 - 07	GRW-12	AQUEOUS	7/31/2008
808004 - 08	TRIP BLANK	AQUEOUS	7/24/2008
808004 - 09	GBR-49	AQUEOUS	7/30/2008
808004 - 10	GBR-17	AQUEOUS	7/30/2008
808004 - 11	GBR-24D	AQUEOUS	7/30/2008
808004 - 12	GBR-24S	AQUEOUS	7/30/2008
808004 - 13	GRW-1	AQUEOUS	7/30/2008
808004 - 14	GRW-2	AQUEOUS	7/30/2008
808004 - 15	GRW-3	AQUEOUS	7/30/2008
808004 - 16	GRW-18	AQUEOUS	7/30/2008
808004 - 17	GBR-30	AQUEOUS	7/30/2008
808004 - 18	GBR-19	AQUEOUS	7/31/2008
808004 - 19	TRIP BLANK	AQUEOUS	7/24/2008



ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

PINNACLE I.D. : 808004
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	GRW-6	AQUEOUS	7/31/2008	NA	8/10/2008	1
02	GRW-5	AQUEOUS	7/31/2008	NA	8/10/2008	1
03	GRW-4	AQUEOUS	7/31/2008	NA	8/10/2008	1

PARAMETER	DET. LIMIT	UNITS	GRW-6	GRW-5	GRW-4
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**13**
TOTAL XYLENES	**2.0**	**UG/L**	< 2.0	< 2.0	**4.4**
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**0.6**
SURROGATE:					
TRIFLUOROTOLUENE (%)			91	88	88
SURROGATE LIMITS	(70 -130)				
1,4-DICHLOROBUTANE (%)			105	91	104
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
N/A

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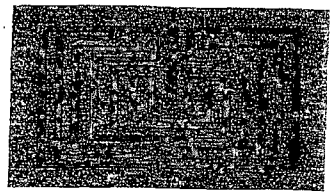

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 601/602		
CLIENT	: LODESTAR	PINNACLE I.D.	: 808004
PROJECT #	: (NONE)	ANALYST	: DRK
PROJECT NAME	: GBR		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	GRW-9	AQUEOUS	7/31/2008	NA	8/10/2008	1
05	GRW-11	AQUEOUS	7/31/2008	NA	8/10/2008	1
06	GRW-13	AQUEOUS	7/31/2008	NA	8/10/2008	1

PARAMETER	DET. LIMIT	UNITS	GRW-9	GRW-11	GRW-13
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**0.9**
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	**0.5**	**UG/L**	**0.8**	< 0.5	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	**0.5**	**UG/L**	< 0.5	< 0.5	**0.8**
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			75	98	98
SURROGATE LIMITS	(70 -130)				
1,4-DICHLOROBUTANE (%)			95	109	103
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:

N/A

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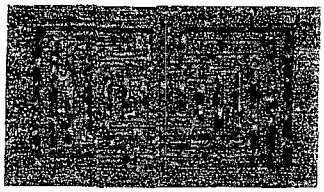

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

PINNACLE I.D. : 808004
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	GRW-12	AQUEOUS	7/31/2008	NA	8/10/2008	1
08	TRIP BLANK	AQUEOUS	7/24/2008	NA	8/10/2008	1
09	GBR-49	AQUEOUS	7/30/2008	NA	8/10/2008	1

PARAMETER	DET. LIMIT	UNITS	GRW-12	TRIP BLANK	GBR-49
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	**0.3**	**UG/L**	< 0.3	< 0.3	**0.3**
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	**0.5**	**UG/L**	**0.7**	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	**0.3**	**UG/L**	< 0.3	< 0.3	**0.9**
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	**0.5**	**UG/L**	< 0.5	< 0.5	**2.7**
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	**0.5**	**UG/L**	**0.7**	< 0.5	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			95	99	97
SURROGATE LIMITS	(70 -130)				
1,4-DICHLOROBUTANE (%)			103	106	101
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
N/A

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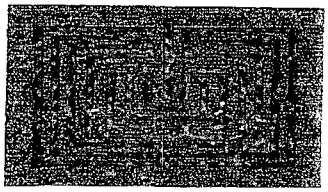


ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

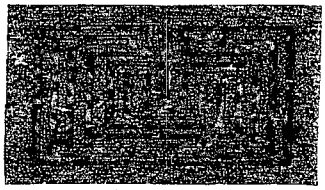
TEST	: EPA 601/602		
CLIENT	: LODESTAR	PINNACLE I.D.	: 808004
PROJECT #	: (NONE)	ANALYST	: DRK
PROJECT NAME	: GBR		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
10	GBR-17	AQUEOUS	7/30/2008	NA	8/10/2008	1
11	GBR-24D	AQUEOUS	7/30/2008	NA	8/10/2008	1
12	GBR-24S	AQUEOUS	7/30/2008	NA	8/10/2008	1

PARAMETER	DET. LIMIT	UNITS	GBR-17	GBR-24D	GBR-24S
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	**0.5**	**UG/L**	< 0.5	**3.0**	**15**
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**6.2**
TOTAL XYLENES	**2.0**	**UG/L**	< 2.0	< 2.0	**5.0**
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	**0.5**	**UG/L**	< 0.5	**1.2**	**3.7**
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			97	95	88
SURROGATE LIMITS	(70 -130)				
1,4-DICHLOROBUTANE (%)			102	105	105
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
N/A

2709-D Pan American Frwy NE Albuquerque, NM 87107 505.344.3777 505.344.4413 Fax



ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

PINNACLE I.D. : 808004
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
13	GRW-1	AQUEOUS	7/30/2008	NA	8/10/2008	1
14	GRW-2	AQUEOUS	7/30/2008	NA	8/10/2008	1
15	GRW-3	AQUEOUS	7/30/2008	NA	8/10/2008	1

PARAMETER	DET. LIMIT	UNITS	GRW-1	GRW-2	GRW-3
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**8.4**
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			97	95	86
SURROGATE LIMITS	(70 -130)				
1,4-DICHLOROBUTANE (%)			107	106	102
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
N/A

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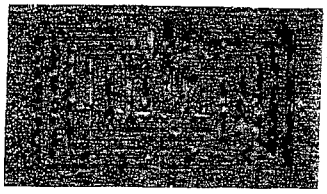

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

PINNACLE I.D. : 808004
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
16	GRW-18	AQUEOUS	7/30/2008	NA	8/10/2008	1
17	GBR-30	AQUEOUS	7/30/2008	NA	8/10/2008	1
18	GBR-19	AQUEOUS	7/31/2008	NA	8/10/2008	1

PARAMETER	DET. LIMIT	UNITS	GRW-18	GBR-30	GBR-19
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**3.9**
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			97	98	89
SURROGATE LIMITS	(70 -130)				
1,4-DICHLOROBUTANE (%)			103	105	115
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
N/A

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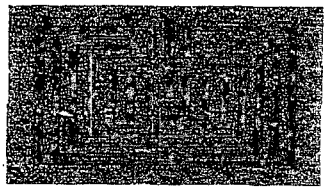

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

PINNACLE I.D. : 808004
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
19	TRIP BLANK	AQUEOUS	7/24/2008	NA	8/10/2008	1

PARAMETER	DET. LIMIT	UNITS	TRIP BLANK
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5
BENZENE	0.5	UG/L	< 0.5
TOLUENE	0.5	UG/L	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5
BROMOFORM	0.2	UG/L	< 0.2
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5
SURROGATE:			
TRIFLUOROTOLUENE (%)			97
SURROGATE LIMITS	(70 -130)		
1,4-DICHLOROBUTANE (%)			99
SURROGATE LIMITS	(70 - 130)		

CHEMIST NOTES:
N/A

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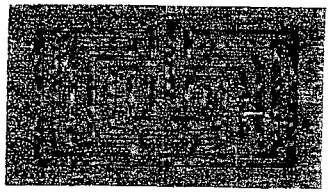

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602	PINNACLE I.D.	: 808004
BLANK I.D.	: 081008H1	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 8/10/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	ANALYST	: DRK

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	<2.5
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
CHLOROMETHANE	UG/L	<1.0
VINYL CHLORIDE	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CHLOROETHANE	UG/L	<0.5
TRICHLOROFLUOROMETHANE	UG/L	<0.2
1,1-DICHLOROETHENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,1-DICHLOROETHANE	UG/L	<0.3
CHLOROFORM	UG/L	<0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
1,2-DICHLOROPROPANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
BROMODICHLOROMETHANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
1,1,2-TRICHLOROETHANE	UG/L	<0.2
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
CHLOROBENZENE	UG/L	<0.5
BROMOFORM	UG/L	<0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,2-DICHLOROBENZENE	UG/L	<0.5

SURROGATE:		
TRIFLUOROTOLUENE (%)		99
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE (%)		105
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
N/A

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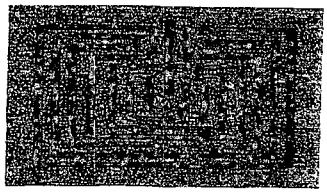

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602	PINNACLE I.D.	: 808004
BLANK I.D.	: 081008H2	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 8/10/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	ANALYST	: DRK

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	<2.5
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
CHLOROMETHANE	UG/L	<1.0
VINYL CHLORIDE	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CHLOROETHANE	UG/L	<0.5
TRICHLOROFLUOROMETHANE	UG/L	<0.2
1,1-DICHLOROETHENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,1-DICHLOROETHANE	UG/L	<0.3
CHLOROFORM	UG/L	<0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
1.2-DICHLOROPROPANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
BROMODICHLOROMETHANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
1,1,2-TRICHLOROETHANE	UG/L	<0.2
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
CHLOROBENZENE	UG/L	<0.5
BROMOFORM	UG/L	<0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,2-DICHLOROBENZENE	UG/L	<0.5

SURROGATE:		
TRIFLUOROTOLUENE (%)		100
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE (%)		106
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
N/A

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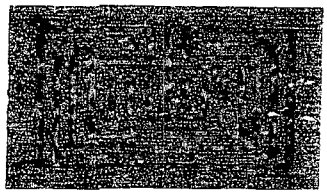

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 601/602	PINNACLE I.D.	: 808004
SAMPLE ID	: 808004.15 [2X]	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 8/10/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
METHYL -t-BUTYL ETHER	<2.5	4.0	3.34	83	3.44	86	3	(70 - 130)	20
BENZENE	<0.5	4.0	3.35	84	3.55	89	6	(39 - 150)	20
TOLUENE	<0.5	4.0	3.66	91	3.88	97	6	(46 - 148)	20
ETHYLBENZENE	8.4	4.0	11.5	79	12.5	102	8	(32 - 160)	20
TOTAL XYLENES	<2.0	12	10.9	90	11.2	93	3	(80 - 120)	20
CHLOROMETHANE	<1.0	4.0	2.96	74	3.01	75	2	(D - 193)	20
VINYL CHLORIDE	<0.5	4.0	3.55	89	3.76	94	6	(28 - 163)	20
BROMOMETHANE	<1.0	4.0	2.51	63	2.99	75	17	(D - 144)	20
CHLOROETHANE	<0.5	4.0	4.71	118	4.92	123	4	(46 - 137)	20
TRICHLOROFLUOROMETHANE	<0.2	4.0	3.75	94	3.88	97	3	(21 - 156)	20
1,1-DICHLOROETHENE	<0.2	4.0	3.37	84	3.75	94	11	(28 - 167)	20
METHYLENE CHLORIDE	<2.0	4.0	3.96	99	3.62	91	9	(25 - 162)	20
TRANS-1,2-DICHLOROETHENE	<1.0	4.0	3.90	98	3.80	95	3	(38 - 155)	20
1,1-DICHLOROETHANE	<0.3	4.0	3.90	97	3.84	96	1	(47 - 132)	20
CHLOROFORM	<0.5	4.0	3.87	97	3.89	97	1	(49 - 133)	20
1,2-DICHLOROETHANE (EDC)	<0.5	4.0	1.92	48	4.31	108	77 R	(51 - 147)	20
1,1,1-TRICHLOROETHANE	<1.0	4.0	4.25	106	4.28	107	1	(41 - 138)	20
CARBON TETRACHLORIDE	<0.2	4.0	3.74	93	3.80	95	2	(43 - 143)	20
1,2-DICHLOROPROPANE	<0.2	4.0	4.26	106	4.32	108	1	(44 - 156)	20
TRICHLOROETHENE	<0.3	4.0	3.89	97	3.88	97	0	(35 - 146)	20
BROMODICHLOROMETHANE	<0.2	4.0	4.17	104	4.17	104	0	(42 - 172)	20
CIS-1,3-DICHLOROPROPENE	<0.2	4.0	3.53	88	3.55	89	0	(22 - 178)	20
TRANS-1,3-DICHLOROPROPENE	<0.2	4.0	3.34	84	3.49	87	4	(22 - 178)	20
1,1,2-TRICHLOROETHANE	<0.2	4.0	3.25	81	3.45	86	6	(39 - 136)	20
DIBROMOCHLOROMETHANE	<0.2	4.0	3.64	91	3.58	89	2	(24 - 191)	20
1,2-DIBROMOETHANE (EDB)	<0.5	4.0	3.75	94	3.77	94	1	(80 - 120)	20
TETRACHLOROETHENE	<0.5	4.0	3.79	95	3.92	98	3	(26 - 162)	20
CHLOROBENZENE	<0.5	4.0	4.06	101	4.08	102	0	(38 - 150)	20
BROMOFORM	<0.5	4.0	3.16	79	3.59	90	13	(13 - 159)	20
1,1,2,2-TETRACHLOROETHANE	<0.5	4.0	4.33	108	4.43	111	2	(8 - 184)	20
1,3-DICHLOROBENZENE	<0.5	4.0	4.01	100	3.91	98	3	(7 - 187)	20
1,4-DICHLOROBENZENE	<0.5	4.0	4.09	102	4.19	105	2	(42 - 143)	20
1,2-DICHLOROBENZENE	<0.5	4.0	3.93	98	4.02	101	2	(D - 208)	20

CHEMIST NOTES:
R = MS/MSD RPD is outside of PLI criteria - high.
1,2-Dichloroethane was recovered in the LCS/LCSD at 4.18 and 4.20 with an RPD of 0.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

2709 D Pan American Frwy NE Albuquerque NM 87107 505.344.3777 505.344.4413 Fax

ANALYTICAL REPORT

Job Number: 400-33005-1

Job Description: 808004

For:
Anasazi NM Holding
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Attention: Mitch Rubenstein

Marty Edwards
Project Manager I
marty.edwards@testamericainc.com
08/19/2008

The test results in this report meet all NELAP requirements for accredited parameters and relate only to the referenced samples. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory.

TestAmerica Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250507), New Jersey (FL006), North Carolina (314), North Dakota (R-108), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-08-TX), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method 3010A: The following samples submitted for metals analysis was received with insufficient preservation (pH >2): GBR-24S / 808004-12 (400-33005-11), GRW-12 / 808004-07 (400-33005-7), GRW-13 / 808004-06 (400-33005-6), GRW-5 / 808004-02 (400-33005-2), GRW-6 / 808004-01 (400-33005-1), GRW-9 / 808004-04 (400-33005-4). Lab preserved to pH < 2 on 8/4/08@1140.

Method 3010A: The following samples submitted for metals analysis was received with insufficient preservation (pH >2): GRW-4 / 808004-03 (400-33005-3).
Lab preserved to pH < 2 on 8/4/08@ 1140 and again to pH < 2 on 8/5/08@ 1115.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

METHOD SUMMARY

Client: Anasazi NM Holding

Job Number: 400-33005-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL PEN	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	TAL PEN		SW846 3010A
Conductivity, Specific Conductance	TAL PEN	MCAWW 120.1	
pH, Electrometric	TAL PEN	MCAWW 150.1	
Total Dissolved Solids	TAL PEN	SM18 160.1	
Chloride	TAL PEN	MCAWW 325.2	
Sulfate	TAL PEN	MCAWW 375.4	
Alkalinity	TAL PEN	EPA EPA 310.1	

Lab References:

TAL PEN = TestAmerica Pensacola

Method References:

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method	Analyst	Analyst ID
SW846 6010B	St. Pere, Gary	GS
MCAWW 120.1	Gimlin, Wendy	WG
MCAWW 150.1	Rigby, Amy	AR
SM18 160.1	Gimlin, Wendy	WG
MCAWW 325.2	Rigby, Amy	AR
MCAWW 375.4	Rigby, Amy	AR
EPA EPA 310.1	Taber, Sharon	ST

SAMPLE SUMMARY

Client: Anasazi NM Holding

Job Number: 400-33005-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-33005-1	GRW-6 / 808004-01	Water	07/31/2008 0949	08/02/2008 1040
400-33005-2	GRW-5 / 808004-02	Water	07/31/2008 1039	08/02/2008 1040
400-33005-3	GRW-4 / 808004-03	Water	07/31/2008 1120	08/02/2008 1040
400-33005-4	GRW-9 / 808004-04	Water	07/31/2008 1218	08/02/2008 1040
400-33005-5	GRW-11 / 808004-05	Water	07/31/2008 1340	08/02/2008 1040
400-33005-6	GRW-13 / 808004-06	Water	07/31/2008 1432	08/02/2008 1040
400-33005-7	GRW-12 / 808004-07	Water	07/31/2008 1502	08/02/2008 1040
400-33005-8	GBR-49 / 808004-09	Water	07/30/2008 0822	08/02/2008 1040
400-33005-9	GBR-17 / 808004-010	Water	07/30/2008 0903	08/02/2008 1040
400-33005-10	GBR-24D / 808004-11	Water	07/30/2008 1042	08/02/2008 1040
400-33005-11	GBR-24S / 808004-12	Water	07/30/2008 1054	08/02/2008 1040
400-33005-12	GRW-1 / 808004-13	Water	07/30/2008 1242	08/02/2008 1040
400-33005-13	GRW-2 / 808004-14	Water	07/30/2008 1323	08/02/2008 1040
400-33005-14	GRW-3 / 808004-15	Water	07/30/2008 1403	08/02/2008 1040
400-33005-15	GRW-18 / 808004-16	Water	07/30/2008 1617	08/02/2008 1040
400-33005-16	GBR-30 / 808004-17	Water	07/30/2008 1703	08/02/2008 1040
400-33005-17	GBR-19 / 808004-18	Water	07/31/2008 0847	08/02/2008 1040

SAMPLE RESULTS

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-6 / 808004-01

Lab Sample ID:	400-33005-1	Date Sampled:	07/31/2008 0949
Client Matrix:	Water	Date Received:	08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74056		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-73849		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/07/2008 1607			Final Weight/Volume:	50 mL
Date Prepared:	08/05/2008 1140				

Analyte	Result (mg/L)	Qualifier	RL
Calcium	290		0.50
Hardness	900		3.3
Magnesium	45		0.50
Potassium	1.7		1.0

Method:	6010B	Analysis Batch: 400-74129		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-73849		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	08/08/2008 1435			Final Weight/Volume:	50 mL
Date Prepared:	08/05/2008 1140				

Analyte	Result (mg/L)	Qualifier	RL
Sodium	480		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-5 / 808004-02

Lab Sample ID: 400-33005-2
Client Matrix: Water

Date Sampled: 07/31/2008 1039
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/07/2008 1612
Date Prepared: 08/05/2008 1140

Analysis Batch: 400-74056
Prep Batch: 400-73849

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	210		0.50
Hardness	670		3.3
Magnesium	37		0.50
Potassium	2.8		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/08/2008 1440
Date Prepared: 08/05/2008 1140

Analysis Batch: 400-74129
Prep Batch: 400-73849

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	520		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-4 / 808004-03

Lab Sample ID: 400-33005-3
Client Matrix: Water

Date Sampled: 07/31/2008 1120
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74144		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-74002		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	10 mL
Date Analyzed:	08/09/2008 1616			Final Weight/Volume:	50 mL
Date Prepared:	08/07/2008 1105				

Analyte	Result (mg/L)	Qualifier	RL
Calcium	150		2.5
Hardness	490		16
Magnesium	26		2.5
Potassium	<5.0		5.0
Sodium	460		5.0

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-9 / 808004-04

Lab Sample ID: 400-33005-4
Client Matrix: Water

Date Sampled: 07/31/2008 1218
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/07/2008 1617
Date Prepared: 08/05/2008 1140

Analysis Batch: 400-74056
Prep Batch: 400-73849

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	130		0.50
Hardness	440		3.3
Magnesium	29		0.50
Potassium	1.5		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/08/2008 1445
Date Prepared: 08/05/2008 1140

Analysis Batch: 400-74129
Prep Batch: 400-73849

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	430		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-11 / 808004-05

Lab Sample ID: 400-33005-5
Client Matrix: Water

Date Sampled: 07/31/2008 1340
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/08/2008 1526
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Hardness	1100		3.3
Magnesium	21		0.50
Potassium	9.8		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/08/2008 1536
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	470		5.0
Sodium	720		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-13 / 808004-06

Lab Sample ID: 400-33005-6
Client Matrix: Water

Date Sampled: 07/31/2008 1432
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74056	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73849	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/07/2008 1622		Final Weight/Volume: 50 mL
Date Prepared:	08/05/2008 1140		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	370		0.50
Hardness	1000		3.3
Magnesium	27		0.50
Potassium	8.5		1.0

Method:	6010B	Analysis Batch: 400-74129	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73849	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/08/2008 1449		Final Weight/Volume: 50 mL
Date Prepared:	08/05/2008 1140		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	600		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-12 / 808004-07

Lab Sample ID: 400-33005-7
Client Matrix: Water

Date Sampled: 07/31/2008 1502
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74056	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73849	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/07/2008 1626		Final Weight/Volume: 50 mL
Date Prepared:	08/05/2008 1140		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	210		0.50
Hardness	630		3.3
Magnesium	28		0.50
Potassium	1.5		1.0

Method:	6010B	Analysis Batch: 400-74129	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73849	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/08/2008 1506		Final Weight/Volume: 50 mL
Date Prepared:	08/05/2008 1140		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	420		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GBR-49 / 808004-09

Lab Sample ID: 400-33005-8
Client Matrix: Water

Date Sampled: 07/30/2008 0822
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/08/2008 1611
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Hardness	1300		3.3
Magnesium	46		0.50
Potassium	6.4		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/08/2008 1616
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	500		5.0
Sodium	630		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GBR-17 / 808004-010

Lab Sample ID: 400-33005-9
Client Matrix: Water

Date Sampled: 07/30/2008 0903
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74129	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73786	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/08/2008 1621		Final Weight/Volume: 50 mL
Date Prepared:	08/04/2008 1130		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	300		0.50
Hardness	860		3.3
Magnesium	24		0.50
Potassium	1.2		1.0

Method:	6010B	Analysis Batch: 400-74129	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73786	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/08/2008 1626		Final Weight/Volume: 50 mL
Date Prepared:	08/04/2008 1130		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	270		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GBR-24D / 808004-11

Lab Sample ID: 400-33005-10
Client Matrix: Water

Date Sampled: 07/30/2008 1042
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/08/2008 1631
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Hardness	1200		3.3
Magnesium	45		0.50
Potassium	9.2		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/08/2008 1636
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	450		5.0
Sodium	620		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GBR-24S / 808004-12

Lab Sample ID: 400-33005-11
Client Matrix: Water

Date Sampled: 07/30/2008 1054
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74056	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73849	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/07/2008 1631		Final Weight/Volume: 50 mL
Date Prepared:	08/05/2008 1140		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	370		0.50
Hardness	1100		3.3
Magnesium	47		0.50
Potassium	18		1.0

Method:	6010B	Analysis Batch: 400-74129	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73849	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/08/2008 1511		Final Weight/Volume: 50 mL
Date Prepared:	08/05/2008 1140		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	620		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-1 / 808004-13

Lab Sample ID:	400-33005-12	Date Sampled:	07/30/2008 1242
Client Matrix:	Water	Date Received:	08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74129		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-73786		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/08/2008 1640			Final Weight/Volume:	50 mL
Date Prepared:	08/04/2008 1130				

Analyte	Result (mg/L)	Qualifier	RL
Calcium	240		0.50
Hardness	750		3.3
Magnesium	34		0.50
Potassium	5.5		1.0

Method:	6010B	Analysis Batch: 400-74129		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-73786		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	08/08/2008 1645			Final Weight/Volume:	50 mL
Date Prepared:	08/04/2008 1130				

Analyte	Result (mg/L)	Qualifier	RL
Sodium	470		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-2 / 808004-14

Lab Sample ID: 400-33005-13
Client Matrix: Water

Date Sampled: 07/30/2008 1323
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74129	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73786	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/08/2008 1701		Final Weight/Volume: 50 mL
Date Prepared:	08/04/2008 1130		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	190		0.50
Hardness	660		3.3
Magnesium	42		0.50
Potassium	3.1		1.0

Method:	6010B	Analysis Batch: 400-74129	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73786	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/08/2008 1706		Final Weight/Volume: 50 mL
Date Prepared:	08/04/2008 1130		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	500		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-3 / 808004-15

Lab Sample ID: 400-33005-14
Client Matrix: Water

Date Sampled: 07/30/2008 1403
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74129	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73786	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/08/2008 1711		Final Weight/Volume: 50 mL
Date Prepared:	08/04/2008 1130		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	91		0.50
Hardness	330		3.3
Magnesium	24		0.50
Potassium	1.7		1.0

Method:	6010B	Analysis Batch: 400-74129	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-73786	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/08/2008 1716		Final Weight/Volume: 50 mL
Date Prepared:	08/04/2008 1130		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	420		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GRW-18 / 808004-16

Lab Sample ID: 400-33005-15
Client Matrix: Water

Date Sampled: 07/30/2008 1617
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 2.0
Date Analyzed: 08/08/2008 1721
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	49		1.0
Hardness	240		6.6
Magnesium	27		1.0
Potassium	20		2.0

Method: 6010B
Preparation: 3010A
Dilution: 20
Date Analyzed: 08/08/2008 1726
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	1100		20

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GBR-30 / 808004-17

Lab Sample ID: 400-33005-16
Client Matrix: Water

Date Sampled: 07/30/2008 1703
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/09/2008 1901
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74144
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Hardness	1200		3.3
Magnesium	43		0.50
Potassium	11		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/09/2008 1906
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74144
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	490		5.0
Sodium	490		10

Client: Anasazi NM Holding

Job Number: 400-33005-1

Client Sample ID: GBR-19 / 308004-18

Lab Sample ID: 400-33005-17
Client Matrix: Water

Date Sampled: 07/31/2008 0847
Date Received: 08/02/2008 1040

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/09/2008 1910
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74144
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	220		0.50
Hardness	690		3.3
Magnesium	32		0.50
Potassium	13		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/09/2008 1915
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74144
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	440		10

General Chemistry

Client Sample ID: GRW-6 / 808004-01

Lab Sample ID: 400-33005-1
Client Matrix: Water

Date Sampled: 07/31/2008 0949
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	580		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Bicarbonate Alkalinity as CaCO3	570		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Carbonate Alkalinity as CaCO3	1.5		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Chloride	82		mg/L	2.0	1.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1653					
Sulfate	1200		mg/L	500	100	375.4
Anly Batch: 400-74314	Date Analyzed 08/12/2008 1157					

Analyte	Result	Qual	Units	Dil	Method
pH	7.17	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1255				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3400		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/06/2008 1115					
Total Dissolved Solids	2400		mg/L	5.0	1.0	160.1
Anly Batch: 400-73940	Date Analyzed 08/06/2008 1210					

General Chemistry

Client Sample ID: **GRW-5 / 808004-02**

Lab Sample ID: 400-33005-2
Client Matrix: Water

Date Sampled: 07/31/2008 1039
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	700		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Bicarbonate Alkalinity as CaCO3	700		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Carbonate Alkalinity as CaCO3	2.1		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Chloride	82		mg/L	2.0	1.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1653					
Sulfate	950		mg/L	250	50	375.4
Anly Batch: 400-74314	Date Analyzed 08/12/2008 1242					

Analyte	Result	Qual	Units	Dil	Method
pH	7.36	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1257				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3200		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/06/2008 1115					
Total Dissolved Solids	2100		mg/L	5.0	1.0	160.1
Anly Batch: 400-73940	Date Analyzed 08/06/2008 1210					

General Chemistry

Client Sample ID: GRW-4 / 808004-03

Lab Sample ID: 400-33005-3
Client Matrix: Water

Date Sampled: 07/31/2008 1120
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	950		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Bicarbonate Alkalinity as CaCO3	940		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Carbonate Alkalinity as CaCO3	1.6		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Chloride	91		mg/L	2.0	1.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1653					
Sulfate	160		mg/L	50	10	375.4
Anly Batch: 400-74314	Date Analyzed 08/12/2008 1244					

Analyte	Result	Qual	Units	Dil	Method
pH	7.21	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1259				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2200		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/06/2008 1115					
Total Dissolved Solids	1100		mg/L	5.0	1.0	160.1
Anly Batch: 400-73940	Date Analyzed 08/06/2008 1210					

General Chemistry

Client Sample ID: GRW-9 / 808004-04

Lab Sample ID: 400-33005-4
Client Matrix: Water

Date Sampled: 07/31/2008 1218
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	820		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Bicarbonate Alkalinity as CaCO3	820		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Carbonate Alkalinity as CaCO3	1.4		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Chloride	85		mg/L	2.0	1.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1653					
Sulfate	370		mg/L	100	20	375.4
Anly Batch: 400-74314	Date Analyzed 08/12/2008 1244					

Analyte	Result	Qual	Units	Dil	Method
pH	7.23	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1302				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2300		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/06/2008 1115					
Total Dissolved Solids	1500		mg/L	5.0	1.0	160.1
Anly Batch: 400-73940	Date Analyzed 08/06/2008 1210					

General Chemistry

Client Sample ID: **GRW-11 / 808004-05**

Lab Sample ID: 400-33005-5
Client Matrix: Water

Date Sampled: 07/31/2008 1340
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	120		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Bicarbonate Alkalinity as CaCO3	120		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74423	Date Analyzed 08/12/2008 0815					
Chloride	35		mg/L	2.0	1.0	325.2
Anly Batch: 400-74317	Date Analyzed 08/11/2008 1653					
Sulfate	2500		mg/L	500	100	375.4
Anly Batch: 400-74314	Date Analyzed 08/12/2008 1204					

Analyte	Result	Qual	Units	Dil	Method
pH	7.20	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1304				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4700		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/06/2008 1115					
Total Dissolved Solids	3600		mg/L	5.0	1.0	160.1
Anly Batch: 400-73940	Date Analyzed 08/06/2008 1210					

General Chemistry

Client Sample ID: GRW-13 / 808004-06

Lab Sample ID: 400-33005-6
Client Matrix: Water

Date Sampled: 07/31/2008 1432
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	190		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	190		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	180		mg/L	4.0	2.0	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1630					
Sulfate	2000		mg/L	500	100	375.4
Anly Batch: 400-74429	Date Analyzed 08/14/2008 0857					

Analyte	Result	Qual	Units	Dil	Method
pH	7.02	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1305				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4200		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/06/2008 1115					
Total Dissolved Solids	2700		mg/L	5.0	1.0	160.1
Anly Batch: 400-73940	Date Analyzed 08/06/2008 1210					

General Chemistry

Client Sample ID: GRW-12 / 808004-07

Lab Sample ID: 400-33005-7
Client Matrix: Water

Date Sampled: 07/31/2008 1502
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	1000		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	1000		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	1.8		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	120		mg/L	4.0	2.0	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1630					
Sulfate	320		mg/L	50	10	375.4
Anly Batch: 400-74429	Date Analyzed 08/14/2008 0854					

Analyte	Result	Qual	Units	Dil	Method
pH	7.09	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1306				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2600		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/06/2008 1115					
Total Dissolved Solids	1700		mg/L	5.0	1.0	160.1
Anly Batch: 400-73940	Date Analyzed 08/06/2008 1210					

Client: Anasazi NM Holding

Job Number: 400-33005-1

General Chemistry

Client Sample ID: GBR-49 / 808004-09

Lab Sample ID: 400-33005-8
Client Matrix: Water

Date Sampled: 07/30/2008 0822
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	220		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	220		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	310		mg/L	10	5.0	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1702					
Sulfate	2000		mg/L	500	100	375.4
Anly Batch: 400-74429	Date Analyzed 08/13/2008 1729					

Analyte	Result	Qual	Units	Dil	Method
pH	6.51	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1320				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4700		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/05/2008 1545					
Total Dissolved Solids	3400		mg/L	5.0	1.0	160.1
Anly Batch: 400-73885	Date Analyzed 08/05/2008 1655					

General Chemistry

Client Sample ID: GBR-17 / 808004-010

Lab Sample ID: 400-33005-9
Client Matrix: Water

Date Sampled: 07/30/2008 0903
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	220		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	210		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	41		mg/L	2.0	1.0	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1619					
Sulfate	1200		mg/L	500	100	375.4
Anly Batch: 400-74429	Date Analyzed 08/13/2008 1732					

Analyte	Result	Qual	Units	Dil	Method
pH	7.25	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1321				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2500		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/05/2008 1545					
Total Dissolved Solids	1800		mg/L	5.0	1.0	160.1
Anly Batch: 400-73885	Date Analyzed 08/05/2008 1655					

General Chemistry

Client Sample ID: GBR-24D / 808004-11

Lab Sample ID: 400-33005-10
Client Matrix: Water

Date Sampled: 07/30/2008 1042
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	220		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	220		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	180		mg/L	4.0	2.0	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1702					
Sulfate	2100		mg/L	500	100	375.4
Anly Batch: 400-74429	Date Analyzed 08/13/2008 1732					

Analyte	Result	Qual	Units	Dil	Method
pH	7.19	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1323				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4500		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/05/2008 1545					
Total Dissolved Solids	3000		mg/L	5.0	1.0	160.1
Anly Batch: 400-73885	Date Analyzed 08/05/2008 1655					

General Chemistry

Client Sample ID: **GBR-24S / 808004-12**

Lab Sample ID: 400-33005-11
Client Matrix: Water

Date Sampled: 07/30/2008 1054
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	550		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	540		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	1.5		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	170		mg/L	4.0	2.0	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1702					
Sulfate	1700		mg/L	500	100	375.4
Anly Batch: 400-74429	Date Analyzed 08/13/2008 1745					

Analyte	Result	Qual	Units	Dil	Method
pH	7.21	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1326				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4200		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/05/2008 1545					
Total Dissolved Solids	2900		mg/L	5.0	1.0	160.1
Anly Batch: 400-73885	Date Analyzed 08/05/2008 1655					

General Chemistry

Client Sample ID: **GRW-1 / 808004-13**

Lab Sample ID: 400-33005-12
Client Matrix: Water

Date Sampled: 07/30/2008 1242
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	670		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	670		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	2.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	96		mg/L	2.0	1.0	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1619					
Sulfate	1200		mg/L	250	50	375.4
Anly Batch: 400-74429	Date Analyzed 08/14/2008 0904					

Analyte	Result	Qual	Units	Dil	Method
pH	7.28	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1329				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3100		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/05/2008 1545					
Total Dissolved Solids	2200		mg/L	5.0	1.0	160.1
Anly Batch: 400-73885	Date Analyzed 08/05/2008 1655					

General Chemistry

Client Sample ID: GRW-2 / 808004-14

Lab Sample ID: 400-33005-13
Client Matrix: Water

Date Sampled: 07/30/2008 1323
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	680		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	680		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	93		mg/L	2.0	1.0	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1619					
Sulfate	1100		mg/L	250	50	375.4
Anly Batch: 400-74429	Date Analyzed 08/14/2008 0904					

Analyte	Result	Qual	Units	Dil	Method
pH	6.81	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1330				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3000		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/05/2008 1545					
Total Dissolved Solids	2000		mg/L	5.0	1.0	160.1
Anly Batch: 400-73885	Date Analyzed 08/05/2008 1655					

General Chemistry

Client Sample ID: GRW-3 / 808004-15

Lab Sample ID: 400-33005-14
Client Matrix: Water

Date Sampled: 07/30/2008 1403
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	910		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	900		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	1.9		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	99		mg/L	4.0	2.0	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1702					
Sulfate	170		mg/L	100	20	375.4
Anly Batch: 400-74429	Date Analyzed 08/14/2008 0936					

Analyte	Result	Qual	Units	Dil	Method
pH	7.08	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1332				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2100		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/05/2008 1545					
Total Dissolved Solids	1200		mg/L	5.0	1.0	160.1
Anly Batch: 400-73885	Date Analyzed 08/05/2008 1655					

General Chemistry

Client Sample ID: GRW-18 / 808004-16

Lab Sample ID: 400-33005-15
Client Matrix: Water

Date Sampled: 07/30/2008 1617
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	790		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	780		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	7.7		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	88		mg/L	2.0	1.0	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1619					
Sulfate	1400		mg/L	500	100	375.4
Anly Batch: 400-74429	Date Analyzed 08/13/2008 1759					

Analyte	Result	Qual	Units	Dil	Method
pH	8.37	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1335				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4600		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/05/2008 1545					
Total Dissolved Solids	2900		mg/L	5.0	1.0	160.1
Anly Batch: 400-73885	Date Analyzed 08/05/2008 1655					

General Chemistry

Client Sample ID: GBR-30 / 808004-17

Lab Sample ID: 400-33005-16
Client Matrix: Water

Date Sampled: 07/30/2008 1703
Date Received: 08/02/2008 1040

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	250		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Bicarbonate Alkalinity as CaCO3	250		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74431	Date Analyzed 08/12/2008 1055					
Chloride	250		mg/L	20	10	325.2
Anly Batch: 400-74428	Date Analyzed 08/13/2008 1702					
Sulfate	1800		mg/L	500	100	375.4
Anly Batch: 400-74429	Date Analyzed 08/13/2008 1759					

Analyte	Result	Qual	Units	Dil	Method
pH	7.01	HF	SU	1.0	150.1
Anly Batch: 400-74267	Date Analyzed 08/02/2008 1336				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4100		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74294	Date Analyzed 08/05/2008 1545					
Total Dissolved Solids	3000		mg/L	5.0	1.0	160.1
Anly Batch: 400-73885	Date Analyzed 08/05/2008 1655					

QUALITY CONTROL RESULTS

Client: Anasazi NM Holding

Job Number: 400-33005-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:400-74129					
LCS 400-73786/16-A	Lab Control Spike	T	Water	6010B	400-73786
MB 400-73786/15-A	Method Blank	T	Water	6010B	400-73786
400-33005-1	GRW-6 / 808004-01	T	Water	6010B	400-73849
400-33005-2	GRW-5 / 808004-02	T	Water	6010B	400-73849
400-33005-4	GRW-9 / 808004-04	T	Water	6010B	400-73849
400-33005-5	GRW-11 / 808004-05	T	Water	6010B	400-73786
400-33005-5MS	Matrix Spike	T	Water	6010B	400-73786
400-33005-5MSD	Matrix Spike Duplicate	T	Water	6010B	400-73786
400-33005-6	GRW-13 / 808004-06	T	Water	6010B	400-73849
400-33005-7	GRW-12 / 808004-07	T	Water	6010B	400-73849
400-33005-8	GBR-49 / 808004-09	T	Water	6010B	400-73786
400-33005-9	GBR-17 / 808004-010	T	Water	6010B	400-73786
400-33005-10	GBR-24D / 808004-11	T	Water	6010B	400-73786
400-33005-11	GBR-24S / 808004-12	T	Water	6010B	400-73849
400-33005-12	GRW-1 / 808004-13	T	Water	6010B	400-73786
400-33005-13	GRW-2 / 808004-14	T	Water	6010B	400-73786
400-33005-14	GRW-3 / 808004-15	T	Water	6010B	400-73786
400-33005-15	GRW-18 / 808004-16	T	Water	6010B	400-73786
Analysis Batch:400-74144					
LCS 400-74002/23-A	Lab Control Spike	T	Water	6010B	400-74002
MB 400-74002/22-A	Method Blank	T	Water	6010B	400-74002
400-33005-3	GRW-4 / 808004-03	T	Water	6010B	400-74002
400-33005-16	GBR-30 / 808004-17	T	Water	6010B	400-73786
400-33005-17	GBR-19 / 808004-18	T	Water	6010B	400-73786
400-33091-K-1-B MS	Matrix Spike	T	Water	6010B	400-74002
400-33091-K-1-C MSD	Matrix Spike Duplicate	T	Water	6010B	400-74002

Report Basis
T = Total

Client: Anasazi NM Holding

Job Number: 400-33005-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-73885					
LCS 400-73885/2	Lab Control Spike	T	Water	160.1	
MB 400-73885/1	Method Blank	T	Water	160.1	
400-32920-A-7 DU	Duplicate	T	Water	160.1	
400-33005-8	GBR-49 / 808004-09	T	Water	160.1	
400-33005-9	GBR-17 / 808004-010	T	Water	160.1	
400-33005-10	GBR-24D / 808004-11	T	Water	160.1	
400-33005-11	GBR-24S / 808004-12	T	Water	160.1	
400-33005-12	GRW-1 / 808004-13	T	Water	160.1	
400-33005-13	GRW-2 / 808004-14	T	Water	160.1	
400-33005-14	GRW-3 / 808004-15	T	Water	160.1	
400-33005-15	GRW-18 / 808004-16	T	Water	160.1	
400-33005-16	GBR-30 / 808004-17	T	Water	160.1	
400-33005-17	GBR-19 / 808004-18	T	Water	160.1	
Analysis Batch:400-73940					
LCS 400-73940/2	Lab Control Spike	T	Water	160.1	
MB 400-73940/1	Method Blank	T	Water	160.1	
400-33002-B-2 DU	Duplicate	T	Water	160.1	
400-33005-1	GRW-6 / 808004-01	T	Water	160.1	
400-33005-2	GRW-5 / 808004-02	T	Water	160.1	
400-33005-3	GRW-4 / 808004-03	T	Water	160.1	
400-33005-4	GRW-9 / 808004-04	T	Water	160.1	
400-33005-5	GRW-11 / 808004-05	T	Water	160.1	
400-33005-6	GRW-13 / 808004-06	T	Water	160.1	
400-33005-7	GRW-12 / 808004-07	T	Water	160.1	
Analysis Batch:400-74267					
400-33005-1	GRW-6 / 808004-01	T	Water	150.1	
400-33005-1DU	Duplicate	T	Water	150.1	
400-33005-2	GRW-5 / 808004-02	T	Water	150.1	
400-33005-3	GRW-4 / 808004-03	T	Water	150.1	
400-33005-4	GRW-9 / 808004-04	T	Water	150.1	
400-33005-5	GRW-11 / 808004-05	T	Water	150.1	
400-33005-6	GRW-13 / 808004-06	T	Water	150.1	
400-33005-7	GRW-12 / 808004-07	T	Water	150.1	
400-33005-8	GBR-49 / 808004-09	T	Water	150.1	
400-33005-9	GBR-17 / 808004-010	T	Water	150.1	
400-33005-10	GBR-24D / 808004-11	T	Water	150.1	
400-33005-11	GBR-24S / 808004-12	T	Water	150.1	
400-33005-12	GRW-1 / 808004-13	T	Water	150.1	
400-33005-13	GRW-2 / 808004-14	T	Water	150.1	
400-33005-14	GRW-3 / 808004-15	T	Water	150.1	
400-33005-15	GRW-18 / 808004-16	T	Water	150.1	
400-33005-16	GBR-30 / 808004-17	T	Water	150.1	
400-33005-17	GBR-19 / 808004-18	T	Water	150.1	

Client: Anasazi NM Holding

Job Number: 400-33005-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74294					
LCS 400-74294/2	Lab Control Spike	T	Water	120.1	
MB 400-74294/1	Method Blank	T	Water	120.1	
400-32920-A-7 DU	Duplicate	T	Water	120.1	
400-33005-1	GRW-6 / 808004-01	T	Water	120.1	
400-33005-2	GRW-5 / 808004-02	T	Water	120.1	
400-33005-3	GRW-4 / 808004-03	T	Water	120.1	
400-33005-4	GRW-9 / 808004-04	T	Water	120.1	
400-33005-5	GRW-11 / 808004-05	T	Water	120.1	
400-33005-6	GRW-13 / 808004-06	T	Water	120.1	
400-33005-7	GRW-12 / 808004-07	T	Water	120.1	
400-33005-8	GBR-49 / 808004-09	T	Water	120.1	
400-33005-9	GBR-17 / 808004-010	T	Water	120.1	
400-33005-10	GBR-24D / 808004-11	T	Water	120.1	
400-33005-11	GBR-24S / 808004-12	T	Water	120.1	
400-33005-12	GRW-1 / 808004-13	T	Water	120.1	
400-33005-13	GRW-2 / 808004-14	T	Water	120.1	
400-33005-14	GRW-3 / 808004-15	T	Water	120.1	
400-33005-15	GRW-18 / 808004-16	T	Water	120.1	
400-33005-16	GBR-30 / 808004-17	T	Water	120.1	
400-33005-17	GBR-19 / 808004-18	T	Water	120.1	
Analysis Batch:400-74314					
LCS 400-74314/2	Lab Control Spike	T	Water	375.4	
MB 400-74314/1	Method Blank	T	Water	375.4	
400-32920-A-4 DU	Duplicate	T	Water	375.4	
400-32942-B-4 MS	Matrix Spike	T	Water	375.4	
400-32942-B-4 MSD	Matrix Spike Duplicate	T	Water	375.4	
400-33005-1	GRW-6 / 808004-01	T	Water	375.4	
400-33005-2	GRW-5 / 808004-02	T	Water	375.4	
400-33005-3	GRW-4 / 808004-03	T	Water	375.4	
400-33005-4	GRW-9 / 808004-04	T	Water	375.4	
400-33005-5	GRW-11 / 808004-05	T	Water	375.4	
Analysis Batch:400-74317					
LCS 400-74317/2	Lab Control Spike	T	Water	325.2	
MB 400-74317/1	Method Blank	T	Water	325.2	
400-32920-A-3 MS	Matrix Spike	T	Water	325.2	
400-32920-A-3 MSD	Matrix Spike Duplicate	T	Water	325.2	
400-32920-A-4 DU	Duplicate	T	Water	325.2	
400-33005-1	GRW-6 / 808004-01	T	Water	325.2	
400-33005-2	GRW-5 / 808004-02	T	Water	325.2	
400-33005-3	GRW-4 / 808004-03	T	Water	325.2	
400-33005-4	GRW-9 / 808004-04	T	Water	325.2	
400-33005-5	GRW-11 / 808004-05	T	Water	325.2	

Client: Anasazi NM Holding

Job Number: 400-33005-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74423					
LCS 400-74423/2	Lab Control Spike	T	Water	EPA 310.1	
MB 400-74423/1	Method Blank	T	Water	EPA 310.1	
400-32920-A-4 DU	Duplicate	T	Water	EPA 310.1	
400-33005-1	GRW-6 / 808004-01	T	Water	EPA 310.1	
400-33005-2	GRW-5 / 808004-02	T	Water	EPA 310.1	
400-33005-3	GRW-4 / 808004-03	T	Water	EPA 310.1	
400-33005-4	GRW-9 / 808004-04	T	Water	EPA 310.1	
400-33005-5	GRW-11 / 808004-05	T	Water	EPA 310.1	
Analysis Batch:400-74428					
LCS 400-74428/2	Lab Control Spike	T	Water	325.2	
MB 400-74428/1	Method Blank	T	Water	325.2	
400-33005-6	GRW-13 / 808004-06	T	Water	325.2	
400-33005-6MS	Matrix Spike	T	Water	325.2	
400-33005-6MSD	Matrix Spike Duplicate	T	Water	325.2	
400-33005-7	GRW-12 / 808004-07	T	Water	325.2	
400-33005-8	GBR-49 / 808004-09	T	Water	325.2	
400-33005-9	GBR-17 / 808004-010	T	Water	325.2	
400-33005-10	GBR-24D / 808004-11	T	Water	325.2	
400-33005-11	GBR-24S / 808004-12	T	Water	325.2	
400-33005-12	GRW-1 / 808004-13	T	Water	325.2	
400-33005-13	GRW-2 / 808004-14	T	Water	325.2	
400-33005-14	GRW-3 / 808004-15	T	Water	325.2	
400-33005-15	GRW-18 / 808004-16	T	Water	325.2	
400-33005-16	GBR-30 / 808004-17	T	Water	325.2	
400-33005-16DU	Duplicate	T	Water	325.2	
400-33005-17	GBR-19 / 808004-18	T	Water	325.2	

Client: Anasazi NM Holding

Job Number: 400-33005-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74429					
LCS 400-74429/2	Lab Control Spike	T	Water	375.4	
MB 400-74429/1	Method Blank	T	Water	375.4	
400-33005-6	GRW-13 / 808004-06	T	Water	375.4	
400-33005-6MS	Matrix Spike	T	Water	375.4	
400-33005-6MSD	Matrix Spike Duplicate	T	Water	375.4	
400-33005-7	GRW-12 / 808004-07	T	Water	375.4	
400-33005-8	GBR-49 / 808004-09	T	Water	375.4	
400-33005-9	GBR-17 / 808004-010	T	Water	375.4	
400-33005-10	GBR-24D / 808004-11	T	Water	375.4	
400-33005-11	GBR-24S / 808004-12	T	Water	375.4	
400-33005-12	GRW-1 / 808004-13	T	Water	375.4	
400-33005-13	GRW-2 / 808004-14	T	Water	375.4	
400-33005-14	GRW-3 / 808004-15	T	Water	375.4	
400-33005-15	GRW-18 / 808004-16	T	Water	375.4	
400-33005-16	GBR-30 / 808004-17	T	Water	375.4	
400-33005-16DU	Duplicate	T	Water	375.4	
400-33005-17	GBR-19 / 808004-18	T	Water	375.4	
Analysis Batch:400-74431					
LCS 400-74431/2	Lab Control Spike	T	Water	EPA 310.1	
MB 400-74431/1	Method Blank	T	Water	EPA 310.1	
400-33005-6	GRW-13 / 808004-06	T	Water	EPA 310.1	
400-33005-6DU	Duplicate	T	Water	EPA 310.1	
400-33005-7	GRW-12 / 808004-07	T	Water	EPA 310.1	
400-33005-8	GBR-49 / 808004-09	T	Water	EPA 310.1	
400-33005-9	GBR-17 / 808004-010	T	Water	EPA 310.1	
400-33005-10	GBR-24D / 808004-11	T	Water	EPA 310.1	
400-33005-11	GBR-24S / 808004-12	T	Water	EPA 310.1	
400-33005-12	GRW-1 / 808004-13	T	Water	EPA 310.1	
400-33005-13	GRW-2 / 808004-14	T	Water	EPA 310.1	
400-33005-14	GRW-3 / 808004-15	T	Water	EPA 310.1	
400-33005-15	GRW-18 / 808004-16	T	Water	EPA 310.1	
400-33005-16	GBR-30 / 808004-17	T	Water	EPA 310.1	
400-33005-17	GBR-19 / 808004-18	T	Water	EPA 310.1	

Report Basis
T = Total

Client: Anasazi NM Holding

Job Number: 400-33005-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-73786

Method: 6010B
Preparation: 3010A

MS Lab Sample ID: 400-33005-5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/08/2008 1541
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 400-33005-5
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/08/2008 1602
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Hardness	88	114	75 - 125	1	20	4	4
Magnesium	100	105	75 - 125	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-73786

Method: 6010B
Preparation: 3010A

MS Lab Sample ID: 400-33005-5
Client Matrix: Water
Dilution: 10
Date Analyzed: 08/08/2008 1545
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

MSD Lab Sample ID: 400-33005-5
Client Matrix: Water
Dilution: 10
Date Analyzed: 08/08/2008 1606
Date Prepared: 08/04/2008 1130

Analysis Batch: 400-74129
Prep Batch: 400-73786

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	62	155	75 - 125	2	20	4	4
Potassium	118	120	75 - 125	1	20		
Sodium	210	288	75 - 125	1	20	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-73849

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 400-73849/23-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1432
Date Prepared: 08/05/2008 1140

Analysis Batch: 400-74056
Prep Batch: 400-73849
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Calcium	<0.50		0.50
Hardness	<3.3		3.3
Magnesium	<0.50		0.50
Potassium	<1.0		1.0
Sodium	<1.0		1.0

Lab Control Spike - Batch: 400-73849

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 400-73849/24-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1437
Date Prepared: 08/05/2008 1140

Analysis Batch: 400-74056
Prep Batch: 400-73849
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	10.0	10.7	107	80 - 120	
Hardness	66.2	70.0	106	80 - 120	
Magnesium	10.0	10.5	105	80 - 120	
Potassium	10.0	10.3	103	80 - 120	
Sodium	10.0	10.4	104	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-73849

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	400-32989-B-1-B MS	Analysis Batch: 400-74056	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-73849	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/07/2008 1502		Final Weight/Volume: 50 mL
Date Prepared:	08/05/2008 1140		

MSD Lab Sample ID:	400-32989-B-1-C MSD	Analysis Batch: 400-74056	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-73849	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/07/2008 1507		Final Weight/Volume: 50 mL
Date Prepared:	08/05/2008 1140		

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	109	105	75 - 125	4	20		
Hardness	108	104	75 - 125	4	20		
Magnesium	107	103	75 - 125	4	20		
Potassium	106	103	75 - 125	3	20		
Sodium	109	107	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-74002

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 400-74002/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/09/2008 1412
Date Prepared: 08/07/2008 1105

Analysis Batch: 400-74144
Prep Batch: 400-74002
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Calcium	<0.50		0.50
Hardness	<3.3		3.3
Magnesium	<0.50		0.50
Potassium	<1.0		1.0
Sodium	<1.0		1.0

Lab Control Spike - Batch: 400-74002

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 400-74002/23-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/09/2008 1417
Date Prepared: 08/07/2008 1105

Analysis Batch: 400-74144
Prep Batch: 400-74002
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	10.0	11.4	114	80 - 120	
Hardness	66.2	73.3	111	80 - 120	
Magnesium	10.0	10.9	109	80 - 120	
Potassium	10.0	9.34	93	80 - 120	
Sodium	10.0	9.80	98	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74002

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	400-33091-K-1-B MS	Analysis Batch: 400-74144	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-74002	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/09/2008 1427		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1105		

MSD Lab Sample ID:	400-33091-K-1-C MSD	Analysis Batch: 400-74144	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-74002	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/09/2008 1431		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1105		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	130	116	75 - 125	1	20	4	4
Hardness	115	109	75 - 125	1	20	4	4
Magnesium	106	105	75 - 125	1	20		
Potassium	100	100	75 - 125	0	20		
Sodium	103	103	75 - 125	0	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-74294

Method: 120.1
Preparation: N/A

Lab Sample ID: MB 400-74294/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1545
Date Prepared: N/A

Analysis Batch: 400-74294
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Specific Conductance	<5.0		5.0

Lab Control Spike - Batch: 400-74294

Method: 120.1
Preparation: N/A

Lab Sample ID: LCS 400-74294/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1545
Date Prepared: N/A

Analysis Batch: 400-74294
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance	10.4	10.6	101	98 - 102	

Duplicate - Batch: 400-74294

Method: 120.1
Preparation: N/A

Lab Sample ID: 400-32920-A-7 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1545
Date Prepared: N/A

Analysis Batch: 400-74294
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	2100	2110	1	2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Duplicate - Batch: 400-74267

Method: 150.1
Preparation: N/A

Lab Sample ID: 400-33005-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/02/2008 1256
Date Prepared: N/A

Analysis Batch: 400-74267
Prep Batch: N/A
Units: SU

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	7.17	7.170	0		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-73885

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 400-73885/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1655
Date Prepared: N/A

Analysis Batch: 400-73885
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Total Dissolved Solids	<5.0		5.0

Lab Control Spike - Batch: 400-73885

Method: 160.1
Preparation: N/A

Lab Sample ID: LCS 400-73885/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1655
Date Prepared: N/A

Analysis Batch: 400-73885
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	293	270	92	83 - 110	

Duplicate - Batch: 400-73885

Method: 160.1
Preparation: N/A

Lab Sample ID: 400-32920-A-7 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/05/2008 1655
Date Prepared: N/A

Analysis Batch: 400-73885
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	1100	1260	9	19	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-73940

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 400-73940/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/06/2008 1210
Date Prepared: N/A

Analysis Batch: 400-73940
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Total Dissolved Solids	<5.0		5.0

Lab Control Spike - Batch: 400-73940

Method: 160.1
Preparation: N/A

Lab Sample ID: LCS 400-73940/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/06/2008 1210
Date Prepared: N/A

Analysis Batch: 400-73940
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	293	258	88	83 - 110	

Duplicate - Batch: 400-73940

Method: 160.1
Preparation: N/A

Lab Sample ID: 400-33002-B-2 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/06/2008 1210
Date Prepared: N/A

Analysis Batch: 400-73940
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	300	322	8	19	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-74317

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 400-74317/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1653
Date Prepared: N/A

Analysis Batch: 400-74317
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Chloride	<2.0		2.0

Lab Control Spike - Batch: 400-74317

Method: 325.2
Preparation: N/A

Lab Sample ID: LCS 400-74317/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1653
Date Prepared: N/A

Analysis Batch: 400-74317
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	49.5	99	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74317

Method: 325.2
Preparation: N/A

MS Lab Sample ID: 400-32920-A-3 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1125
Date Prepared: N/A

Analysis Batch: 400-74317
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-32920-A-3 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1125
Date Prepared: N/A

Analysis Batch: 400-74317
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	93	90	73 - 120	1	8		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Duplicate - Batch: 400-74317

Method: 325.2
Preparation: N/A

Lab Sample ID: 400-32920-A-4 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1653
Date Prepared: N/A

Analysis Batch: 400-74317
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	76	76.2	0	8	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-74428

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 400-74428/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2008 1605
Date Prepared: N/A

Analysis Batch: 400-74428
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Chloride	<2.0		2.0

Lab Control Spike - Batch: 400-74428

Method: 325.2
Preparation: N/A

Lab Sample ID: LCS 400-74428/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2008 1605
Date Prepared: N/A

Analysis Batch: 400-74428
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	49.5	99	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74428

Method: 325.2
Preparation: N/A

MS Lab Sample ID: 400-33005-6
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 08/13/2008 1714
Date Prepared: N/A

Analysis Batch: 400-74428
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-33005-6
Client Matrix: Water
Dilution: 2.0
Date Analyzed: 08/13/2008 1630
Date Prepared: N/A

Analysis Batch: 400-74428
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	63	54	73 - 120	1	8	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Duplicate - Batch: 400-74428

Method: 325.2
Preparation: N/A

Lab Sample ID: 400-33005-16
Client Matrix: Water
Dilution: 10
Date Analyzed: 08/13/2008 1702
Date Prepared: N/A

Analysis Batch: 400-74428
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	250	248	2	8	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-74314

Method: 375.4
Preparation: N/A

Lab Sample ID: MB 400-74314/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1624
Date Prepared: N/A

Analysis Batch: 400-74314
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Sulfate	<5.0		5.0

Lab Control Spike - Batch: 400-74314

Method: 375.4
Preparation: N/A

Lab Sample ID: LCS 400-74314/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1624
Date Prepared: N/A

Analysis Batch: 400-74314
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	20.0	20.8	104	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74314

Method: 375.4
Preparation: N/A

MS Lab Sample ID: 400-32942-B-4 MS
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1124
Date Prepared: N/A

Analysis Batch: 400-74314
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-32942-B-4 MSD
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1124
Date Prepared: N/A

Analysis Batch: 400-74314
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	127	126	77 - 128	1	5		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Duplicate - Batch: 400-74314

Method: 375.4
Preparation: N/A

Lab Sample ID: 400-32920-A-4 DU
Client Matrix: Water
Dilution: 100
Date Analyzed: 08/12/2008 1240
Date Prepared: N/A

Analysis Batch: 400-74314
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sulfate	1100	1100	1	5	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-74429

Method: 375.4
Preparation: N/A

Lab Sample ID: MB 400-74429/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2008 1558
Date Prepared: N/A

Analysis Batch: 400-74429
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Sulfate	<5.0		5.0

Lab Control Spike - Batch: 400-74429

Method: 375.4
Preparation: N/A

Lab Sample ID: LCS 400-74429/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2008 1612
Date Prepared: N/A

Analysis Batch: 400-74429
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	20.0	21.0	105	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74429

Method: 375.4
Preparation: N/A

MS Lab Sample ID: 400-33005-6
Client Matrix: Water
Dilution: 100
Date Analyzed: 08/14/2008 0849
Date Prepared: N/A

Analysis Batch: 400-74429
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-33005-6
Client Matrix: Water
Dilution: 100
Date Analyzed: 08/13/2008 1655
Date Prepared: N/A

Analysis Batch: 400-74429
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	397	-888	77 - 128	13	5	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Duplicate - Batch: 400-74429

Method: 375.4
Preparation: N/A

Lab Sample ID: 400-33005-16
Client Matrix: Water
Dilution: 100
Date Analyzed: 08/13/2008 1759
Date Prepared: N/A

Analysis Batch: 400-74429
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sulfate	1800	1750	0	5	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-74423

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: MB 400-74423/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1700
Date Prepared: N/A

Analysis Batch: 400-74423
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Alkalinity, Total	<1.0		1.0

Lab Control Spike - Batch: 400-74423

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: LCS 400-74423/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1700
Date Prepared: N/A

Analysis Batch: 400-74423
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	250	247	99	90 - 110	

Duplicate - Batch: 400-74423

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: 400-32920-A-4 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/11/2008 1700
Date Prepared: N/A

Analysis Batch: 400-74423
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity, Total	410	412	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33005-1

Method Blank - Batch: 400-74431

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: MB 400-74431/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1055
Date Prepared: N/A

Analysis Batch: 400-74431
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Alkalinity, Total	<1.0		1.0

Lab Control Spike - Batch: 400-74431

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: LCS 400-74431/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1055
Date Prepared: N/A

Analysis Batch: 400-74431
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	250	245	98	90 - 110	

Duplicate - Batch: 400-74431

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: 400-33005-6
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1055
Date Prepared: N/A

Analysis Batch: 400-74431
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity, Total	190	190	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

400-33005

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

Date: 8/1/08 Page: 1 of 2

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SAMPLE ID		DATE	TIME	MATRIX	LAB ID
GRW-6	808004-01	7/31/08	0949	GW	
GRW-5	-02		1039		
GRW-4	-03		1120		
GRW-9	-04		1218		
GRW-11	-05		1340		
GRW-13	-06		1432		
GRW-12	-07	↓	1502		
GBR-49	-09	7/30/08	0822		
GBR-17	-10		0903		
GBR-24D	-11	↓	1042	↓	

ANALYSIS REQUEST

Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	TOC	Gen Chemistry: Alk+Bicarb/Carb/Hard, pH, TDS, EC, Cl, SO4	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
					Hardness, Ca, Mg, K, Na														
					X	X	X												
					X	X	X												
					X	X	X												
					X	X	X												
					X	X	X												
					X	X	X												
					X	X	X												
					X	X	X												
					X	X	X												
					X	X	X												

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISED BY: 1.	RELINQUISED BY: 2.
PROJECT #:	808004	Total Number of Containers		APEX LABS		Signature: Time: Francine Tenorio 1700	Signature: Time:
PROJ. NAME:	LODE	Chain of Custody Seals		ARS		Printed Name: Date: Francine Tenorio 8/1/08	Printed Name: Date:
QC LEVEL:	(STD) IV	Received Intact?		BIOVIR		Pinnacle Laboratories, Inc.	Company
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold		BSK ANALYTICAL		RECEIVED BY: 1.	RECEIVED BY: 2.
TAT:	(STANDARD) RUSH!!	LAB NUMBER:		GEL			
				MWH LABS			
DUE DATE:	8/15	COMMENTS:		TEST AMERICA-FL	X	Signature: Time: 10:40	Signature: Time:
RUSH SURCHARGE:	—	20°C		WCAS		Printed Name: Date: 08-2-08	Printed Name: Date:
CLIENT DISCOUNT:	—			WOHL			
SPECIAL CERTIFICATION REQUIRED: YES (NO)						Company	Company

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

4000-32005

Date: 8/1/08 Page: 2 of 2

PINNACLE LABORATORIES Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Hardness, Ca, Mg, K, Na	TOC	Gen Chemistry: Alk+Bicarb/Carb, 10# pH, TDS, EC, Cl, SO4	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
GBR-2AS/808004-12	7/30/08	1054	GW							X		X													
GRW-1 / -13		1242								X		X													
GRW-2 / -14		1323								X		X													
GRW-3 / -15		1403								X		X													
GRW-18 / -16		1617								X		X													
GBR-30 / -17		1703								X		X													
GBR-19 / -18	7/31/08	0847	↓							X		X													

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:	
PROJECT #:	808004	Total Number of Containers		APEX LABS	
PROJ. NAME:	LODE	Chain of Custody Seals		ARS	
QC LEVEL:	(STD) IV	Received Intact?		BIOVIR	
QC REQUIRED:	(MS) MSD BLANK	Received Good Cond./Cold		BSK ANALYTICAL	
TAT:	(STANDARD) RUSHII	LAB NUMBER:		GEL	
				MWH LABS	
DUE DATE:	8/15	COMMENTS:		TEST AMERICA-FL	X
RUSH SURCHARGE:	—			WCAS	
CLIENT DISCOUNT:	—	2.0°C		WOHL	
SPECIAL CERTIFICATION REQUIRED: YES (NO)					

RELINQUISED BY: 1.	RELINQUISED BY: 2.
Signature: Francine Tenorio Time: 1700	Signature: Time:
Printed Name: Francine Tenorio Date: 8/1/08	Printed Name: Date:
Pinnacle Laboratories, Inc.	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**
Signature: Time: 10:40	Signature: Time:
Printed Name: Date: 8-2-08	Printed Name: Date:
Company	Company

Login Sample Receipt Check List

Client: Anasazi NM Holding

Job Number: 400-33005-1

Login Number: 33005
Creator: Hor, Koma
List Number: 1

List Source: TestAmerica Pensacola

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.0°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

PINNACLE LABORATORIES

Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 7-31-08 PAGE: 1 OF 1

PLI Accession #: 808004

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER:	Ashley Ager
COMPANY:	Cedar Services
ADDRESS:	1255 CR 210 W
	Durango CO 81301
PHONE:	970 749 1093
FAX:	970 385 6924
BILL TO:	Bill Robertson
COMPANY:	Western Refining
ADDRESS:	111 CR 4990
	Bloomfield, NM

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.
GKW-6	7-31-08	0947	GW	01
GKW-5	7-31-08	1039	GW	02
GKW-4	7-31-08	1120	GW	03
GKW-9	7-31-08	1218	GW	04
GKW-11	7-31-08	1310	GW	05
GKW-13	7-31-08	1432	GW	06
GKW-12	7-31-08	1502	GW	07
TRIP BLANK	7-31-08	0700	GW	08
	7-31-08	1045		
	Hold			

ANALYSIS REQUEST

	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐		8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry: Total Cl, Alk., TDS, Ec, pH, Ca, Mg, K, Na, SO4	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:		NUMBER OF CONTAINERS
GKW-6		X	X	X																X						3
GKW-5		X	X	X																X						3
GKW-4		X	X	X																X						3
GKW-9		X	X	X																X						3
GKW-11		X	X	X																X						3
GKW-13		X	X	X																X						3
GKW-12		X	X	X																X						3
TRIP BLANK		X	X	X																X						3
																							Metals			1

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION	
PROJ. NO.:	
PROJ. NAME:	GBE
P.O. NO.:	
SHIPPED VIA:	UPS

SAMPLE RECEIPT	
NO. CONTAINERS	29
CUSTODY SEALS	Y (N) NA
RECEIVED INTACT	Yes
BLUE ICE/ICE	3.1°

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐1 WEEK (NORMAL) ☒
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐NM ☐SDWA ☐AZ ☐OTHER

METHANOL PRESERVATION ☐ | METALS ☐TOTAL ☐DISSOLVED

COMMENTS:

GKW-4 has a thin sheen

RELINQUISHED BY: 1.

Signature: Ashley Ager Time: 1630

Printed Name: Ashley Ager Date: 7-31-08

Company: Cedar Services

See Reverse Side (Force Majeure)

RECEIVED BY: 1.

Signature: Time:

Printed Name: Date:

Company:

RELINQUISHED BY: 2.

Signature: Time:

Printed Name: Date:

Company:

RECEIVED BY: (LAB) 2.

Signature: Time: 1015

Printed Name: Francine Jones Date: 7/31/08

Pinnacle Laboratories Inc.

DISTRIBUTION: White - PLI Copy; Pink - Originator

PINACLE LABORATORIES Pinnacle Laboratories Inc.

CHAIN OF CUSTODY

DATE: 7-31-08 PAGE: 1 OF 1

PLI Accession #: 30804

SHADED AREAS ARE FOR LAB USE ONLY.

PLEASE FILL THIS FORM IN COMPLETELY.

PROJECT MANAGER: Ashley Ager

COMPANY: Ladder Services

ADDRESS: 1899 CR 209
Durango, CO 81301

PHONE: 970 946 1093

FAX: 970 385 4901

BILL TO: Bill Valdez

COMPANY: Western Refining

ADDRESS: 111 E. CR 4990
Bloomfield, NM

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	8015 GRO	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	3260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry: Cl, F, SO4, NO3, Alk, TDS, EC, pH	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method1311)	Metals:	NUMBER OF CONTAINERS
GBR-16	7-30-08	0822	GW	09			X																	X					4
GBR-17	7-30-08	0903	GW	10			X																	X					4
GBR-24D	7-30-08	1042	GW	11			X																	X					4
GBR-24S	7-30-08	1039	GW	12			X																	X					4
GRW-1	7-30-08	1242	GW	13			X																	X					4
GRW-2	7-30-08	1323	GW	14			X																	X					4
GRW-3	7-30-08	1403	GW	15			X																	X					4
GRW-18 MW	7-30-08	1617	GW	16			X																	X					4
GBR-30	7-30-08	1703	GW	17			X																	X					4
GBR-19	7-31-08	0543	GW	18			X																	X					4

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION	
PROJ. NO.:	
PROJ. NAME:	GBR
P.O. NO.:	
SHIPPED VIA:	UPS

SAMPLE RECEIPT	
NO CONTAINERS:	41
CUSTODY SEALS	Y (N) NA
RECEIVED INTACT	Y (N)
BLUE ICE/ICE	Y (N)

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐ 1 WEEK (NORMAL) ☒
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐ NM ☐ SDWA ☐ AZ ☐ OTHER

METHANOL PRESERVATION ☐ | METALS ☐ TOTAL ☐ DISSOLVED

COMMENTS:

Trip Blank #'s for 1005 - 19 (1)

RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
Signature: Ashley Ager Time: 1630	Signature: Time:
Printed Name: Ashley Ager Date: 7-31-08	Printed Name: Date:
Company: Ladder Services	Company:

See Reverse Side (Force Majeure)

RECEIVED BY: 1.	RECEIVED BY: (LAB) 2.
Signature: Time:	Signature: Time:
Printed Name: Date:	Printed Name: Date:
Company:	Pinnacle Laboratories Inc.

DISTRIBUTION: White - PLI Copy; Canary - Originator

Cation-Anion Balance Worksheet

Accession Number: 808004-01

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	580		
Chloride	82	0.02821	2.31322
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1200	0.02082	24.98400
Carbonate	1.5	0.03333	0.05000
Bi-Carbonate	570	0.01639	9.34230
	Total Anions =		**36.689515**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	290	0.04990	14.47100
Potassium	1.7	0.02558	0.04349
Magnesium	45	0.08229	3.70305
Sodium	480	0.04350	20.88000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**39.097536**

Anion/Cation Balance (% difference) =	3.2%	
Total Anions+Cations =	2447 mg/l	(calculated)
Total Dissolved Solids =	2400 mg/l	(measured)
TDS/ion sum ratio =	0.98	
Electrical Cond =	3400 umh/cm	(measured)
TDS/EC ratio =	0.706	

Cation-Anion Balance Worksheet

Accession Number: 808004-02

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	700		
Chloride	82	0.02821	2.31322
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	950	0.02082	19.77900
Carbonate	2.1	0.03333	0.06999
Bi-Carbonate	700	0.01639	11.47300
	Total Anions =		**33.635213**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	210	0.04990	10.47900
Potassium	2.8	0.02558	0.07162
Magnesium	37	0.08229	3.04473
Sodium	520	0.04350	22.62000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**36.215354**

Anion/Cation Balance (% difference) =	3.7%	
Total Anions+Cations =	2222 mg/l	(calculated)
Total Dissolved Solids =	2100 mg/l	(measured)
TDS/ion sum ratio =	0.95	
Electrical Cond =	3200 umh/cm	(measured)
TDS/EC ratio =	0.656	

Cation-Anion Balance Worksheet

Accession Number: 808004-03

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	950		
Chloride	91	0.02821	2.56711
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	160	0.02082	3.33120
Carbonate	1.6	0.03333	0.05333
Bi-Carbonate	940	0.01639	15.40660
	Total Anions =		**21.358238**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	150	0.04990	7.48500
Potassium	0	0.02558	0.00000
Magnesium	26	0.08229	2.13954
Sodium	460	0.04350	20.01000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**29.63454**

Anion/Cation Balance (% difference) = 16.2%

Total Anions+Cations =	1457 mg/l	(calculated)
Total Dissolved Solids =	1100 mg/l	(measured)
TDS/ion sum ratio =	0.75	
Electrical Cond =	2200 umh/cm	(measured)
TDS/EC ratio =	0.500	

Cation-Anion Balance Worksheet

Accession Number: 808004-04

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	820		
Chloride	85	0.02821	2.39785
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	370	0.02082	7.70340
Carbonate	1.4	0.03333	0.04666
Bi-Carbonate	820	0.01639	13.43980
	Total Anions =		**23.587712**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	130	0.04990	6.48700
Potassium	1.5	0.02558	0.03837
Magnesium	29	0.08229	2.38641
Sodium	430	0.04350	18.70500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**27.61678**

Anion/Cation Balance (% difference) =	7.9%	
Total Anions+Cations =	1538 mg/l	(calculated)
Total Dissolved Solids =	1500 mg/l	(measured)
TDS/ion sum ratio =	0.98	
Electrical Cond =	2300 umh/cm	(measured)
TDS/EC ratio =	0.652	

Cation-Anion Balance Worksheet

Accession Number: 808004-05

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	120		
Chloride	35	0.02821	0.98735
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	2500	0.02082	52.05000
Carbonate		0.03333	0.00000
Bi-Carbonate	120	0.01639	1.96680
	Total Anions =		**55.00415**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	470	0.04990	23.45300
Potassium	9.8	0.02558	0.25068
Magnesium	21	0.08229	1.72809
Sodium	720	0.04350	31.32000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**56.751774**

Anion/Cation Balance (% difference) =	1.6%	
Total Anions+Cations =	3828 mg/l	(calculated)
Total Dissolved Solids =	3600 mg/l	(measured)
TDS/ion sum ratio =	0.94	
Electrical Cond =	4700 umh/cm	(measured)
TDS/EC ratio =	0.766	

Cation-Anion Balance Worksheet

Accession Number: 808004-06

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	190		
Chloride	180	0.02821	5.07780
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	2000	0.02082	41.64000
Carbonate		0.03333	0.00000
Bi-Carbonate	190	0.01639	3.11410
	Total Anions =		**49.8319**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	370	0.04990	18.46300
Potassium	8.5	0.02558	0.21743
Magnesium	27	0.08229	2.22183
Sodium	600	0.04350	26.10000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**47.00226**

Anion/Cation Balance (% difference) =	2.9%	
Total Anions+Cations =	3300 mg/l	(calculated)
Total Dissolved Solids =	2700 mg/l	(measured)
TDS/ion sum ratio =	0.82	
Electrical Cond =	4200 umh/cm	(measured)
TDS/EC ratio =	0.643	

Cation-Anion Balance Worksheet

Accession Number: 808004-07

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1000		
Chloride	120	0.02821	3.38520
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	320	0.02082	6.66240
Carbonate	1.8	0.03333	0.05999
Bi-Carbonate	1000	0.01639	16.39000
	Total Anions =		**26.497594**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	210	0.04990	10.47900
Potassium	1.5	0.02558	0.03837
Magnesium	28	0.08229	2.30412
Sodium	420	0.04350	18.27000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**31.09149**

Anion/Cation Balance (% difference) =	8.0%	
Total Anions+Cations =	1700 mg/l	(calculated)
Total Dissolved Solids =	1700 mg/l	(measured)
TDS/ion sum ratio =	1.00	
Electrical Cond =	2600 umh/cm	(measured)
TDS/EC ratio =	0.654	

Cation-Anion Balance Worksheet

Accession Number: 808004-09

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	220		
Chloride	310	0.02821	8.74510
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	2000	0.02082	41.64000
Carbonate		0.03333	0.00000
Bi-Carbonate	220	0.01639	3.60580
	Total Anions =		**53.9909**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	500	0.04990	24.95000
Potassium	6.4	0.02558	0.16371
Magnesium	46	0.08229	3.78534
Sodium	630	0.04350	27.40500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**56.304052**

Anion/Cation Balance (% difference) =	2.1%	
Total Anions+Cations =	3624 mg/l	(calculated)
Total Dissolved Solids =	3400 mg/l	(measured)
TDS/ion sum ratio =	0.94	
Electrical Cond =	4700 umh/cm	(measured)
TDS/EC ratio =	0.723	

Cation-Anion Balance Worksheet

Accession Number: 808004-10

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	220		
Chloride	41	0.02821	1.15661
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1200	0.02082	24.98400
Carbonate		0.03333	0.00000
Bi-Carbonate	210	0.01639	3.44190
	Total Anions =		**29.58251**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	300	0.04990	14.97000
Potassium	1.2	0.02558	0.03070
Magnesium	24	0.08229	1.97496
Sodium	270	0.04350	11.74500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**28.720656**

Anion/Cation Balance (% difference) =	1.5%	
Total Anions+Cations =	1968 mg/l	(calculated)
Total Dissolved Solids =	1800 mg/l	(measured)
TDS/ion sum ratio =	0.91	
Electrical Cond =	2500 umh/cm	(measured)
TDS/EC ratio =	0.720	

Cation-Anion Balance Worksheet

Accession Number: 808004-12

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	550		
Chloride	170	0.02821	4.79570
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1700	0.02082	35.39400
Carbonate	1.5	0.03333	0.05000
Bi-Carbonate	540	0.01639	8.85060
	Total Anions =		**49.090295**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	370	0.04990	18.46300
Potassium	18	0.02558	0.46044
Magnesium	47	0.08229	3.86763
Sodium	620	0.04350	26.97000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**49.76107**

Anion/Cation Balance (% difference) =	0.7%	
Total Anions+Cations =	3255 mg/l	(calculated)
Total Dissolved Solids =	2900 mg/l	(measured)
TDS/ion sum ratio =	0.89	
Electrical Cond =	4200 umh/cm	(measured)
TDS/EC ratio =	0.690	

Cation-Anion Balance Worksheet

Accession Number: 808004-13

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	670		
Chloride	96	0.02821	2.70816
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1200	0.02082	24.98400
Carbonate	2	0.03333	0.06666
Bi-Carbonate	670	0.01639	10.98130
	Total Anions =		**38.74012**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	240	0.04990	11.97600
Potassium	5.5	0.02558	0.14069
Magnesium	34	0.08229	2.79786
Sodium	470	0.04350	20.44500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**35.35955**

Anion/Cation Balance (% difference) =	4.6%		
Total Anions+Cations =	2448	mg/l	(calculated)
Total Dissolved Solids =	2200	mg/l	(measured)
TDS/ion sum ratio =	0.90		
Electrical Cond =	3100	umh/cm	(measured)
TDS/EC ratio =	0.710		

Cation-Anion Balance Worksheet

Accession Number: 808004-14

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	680		
Chloride	93	0.02821	2.62353
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1100	0.02082	22.90200
Carbonate		0.03333	0.00000
Bi-Carbonate	680	0.01639	11.14520
	Total Anions =		**36.67073**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	190	0.04990	9.48100
Potassium	3.1	0.02558	0.07930
Magnesium	42	0.08229	3.45618
Sodium	500	0.04350	21.75000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**34.766478**

Anion/Cation Balance (% difference) = 2.7%

Total Anions+Cations =	2336 mg/l	(calculated)
Total Dissolved Solids =	2000 mg/l	(measured)
TDS/ion sum ratio =	0.86	
Electrical Cond =	3000 umh/cm	(measured)
TDS/EC ratio =	0.667	

Cation-Anion Balance Worksheet

Accession Number: 808004-15

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	910		
Chloride	99	0.02821	2.79279
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	170	0.02082	3.53940
Carbonate	1.9	0.03333	0.06333
Bi-Carbonate	900	0.01639	14.75100
	Total Anions =		**21.146517**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	91	0.04990	4.54090
Potassium	1.7	0.02558	0.04349
Magnesium	24	0.08229	1.97496
Sodium	420	0.04350	18.27000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**24.829346**

Anion/Cation Balance (% difference) =	8.0%	
Total Anions+Cations =	1352 mg/l	(calculated)
Total Dissolved Solids =	1200 mg/l	(measured)
TDS/ion sum ratio =	0.89	
Electrical Cond =	2100 umh/cm	(measured)
TDS/EC ratio =	0.571	

Cation-Anion Balance Worksheet

Accession Number: 808004-16

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	790		
Chloride	88	0.02821	2.48248
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1400	0.02082	29.14800
Carbonate	7.7	0.03333	0.25664
Bi-Carbonate	780	0.01639	12.78420
	Total Anions =		**44.671321**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	49	0.04990	2.44510
Potassium	20	0.02558	0.51160
Magnesium	27	0.08229	2.22183
Sodium	1100	0.04350	47.85000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**53.02853**

Anion/Cation Balance (% difference) =	8.6%	
Total Anions+Cations =	3158 mg/l	(calculated)
Total Dissolved Solids =	2900 mg/l	(measured)
TDS/ion sum ratio =	0.92	
Electrical Cond =	4600 umh/cm	(measured)
TDS/EC ratio =	0.630	

Cation-Anion Balance Worksheet

Accession Number: 808004-17

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	250		
Chloride	250	0.02821	7.05250
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1800	0.02082	37.47600
Carbonate		0.03333	0.00000
Bi-Carbonate	250	0.01639	4.09750
	Total Anions =		**48.626**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	490	0.04990	24.45100
Potassium	11	0.02558	0.28138
Magnesium	43	0.08229	3.53847
Sodium	490	0.04350	21.31500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**49.58585**

Anion/Cation Balance (% difference) =	1.0%	
Total Anions+Cations =	3234 mg/l	(calculated)
Total Dissolved Solids =	3000 mg/l	(measured)
TDS/ion sum ratio =	0.93	
Electrical Cond =	4100 umh/cm	(measured)
TDS/EC ratio =	0.732	

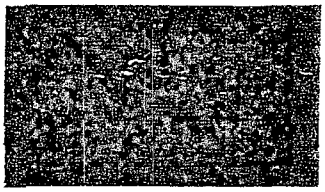
Cation-Anion Balance Worksheet

Accession Number: 808004-18

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	730		
Chloride	360	0.02821	10.15560
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	440	0.02082	9.16080
Carbonate	1.4	0.03333	0.04666
Bi-Carbonate	730	0.01639	11.96470
	Total Anions =		**31.327762**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	220	0.04990	10.97800
Potassium	13	0.02558	0.33254
Magnesium	32	0.08229	2.63328
Sodium	440	0.04350	19.14000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**33.08382**

Anion/Cation Balance (% difference) =	2.7%	
Total Anions+Cations =	1943 mg/l	(calculated)
Total Dissolved Solids =	1800 mg/l	(measured)
TDS/ion sum ratio =	0.93	
Electrical Cond =	3000 umh/cm	(measured)
TDS/EC ratio =	0.600	



ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

Anasazi ID number **808013**
October 30, 2008

LODESTAR
1588 CR 204
DURANGO, NM 81301

Project Name GBR
Project Number (NONE)

Attention: ASHLEY AGER/BILL ROBERTSON

On 8/5/2008 Anasazi Environmental Solutions, (ADHS License No. AZ0736), received a request to analyze **aqueous** samples. The samples were analyzed with EPA methodology or equivalent methods. The results of these analyses and the quality control data, which follow each set of analyses, are enclosed.

EPA Method 601/602 analyses were performed by Anasazi Environmental Solutions, Albuquerque, NM.

All remaining analyses were performed by TestAmerica Laboratories, Inc. (TA), Pensacola, FL.

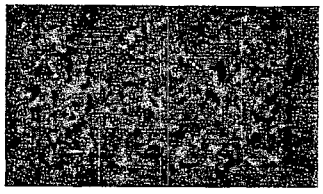
Due to an instrument area, 808013-10 (GBR-5) was not acquired. No data is available for this sample. We apologize for any inconvenience that this may cause. The invoice has been corrected to reflect this event.

If you have any questions or comments, please do not hesitate to contact us at (505) 344-3777.

H. Mitchell Rubenstein, Ph.D.
General Manager, Pinnacle Laboratories, Inc.

MR: jt

Enclosure



ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

CLIENT	: LODESTAR	ANASAZI I.D.	: 808013
PROJECT #	: (NONE)	DATE RECEIVED	: 8/5/2008
PROJECT NAME	: GBR	REPORT DATE	: 10/30/2008

PINNACLE ID #	CLIENT DESCRIPTION	MATRIX	DATE COLLECTED
808013 - 01	GBR-39	AQUEOUS	8/1/2008
808013 - 02	GBR-15	AQUEOUS	8/1/2008
808013 - 03	GBR-26	AQUEOUS	8/1/2008
808013 - 04	GBR-21D	AQUEOUS	8/1/2008
808013 - 05	GBR-34	AQUEOUS	8/1/2008
808013 - 06	GBR-35	AQUEOUS	8/1/2008
808013 - 07	GRW-10	AQUEOUS	8/1/2008
808013 - 08	GBR-51	AQUEOUS	8/1/2008
808013 - 09	GBR-52	AQUEOUS	8/1/2008
808013 - 10	GBR-5	AQUEOUS	8/1/2008
808013 - 11	GBR-7	AQUEOUS	8/1/2008
808013 - 12	GBR-20	AQUEOUS	8/1/2008
808013 - 13	GBR-9	AQUEOUS	8/1/2008
808013 - 14	TRIP BLANK	AQUEOUS	7/24/2008
808013 - 15	GBR-31	AQUEOUS	8/2/2008
808013 - 16	GBR-33	AQUEOUS	8/2/2008
808013 - 17	GBR-40	AQUEOUS	8/2/2008
808013 - 18	GBR-41	AQUEOUS	8/2/2008
808013 - 19	GBR-13	AQUEOUS	8/2/2008
808013 - 20	GBR-11	AQUEOUS	8/2/2008
808013 - 21	GBR-10	AQUEOUS	8/2/2008
808013 - 22	GBR-8	AQUEOUS	8/2/2008

2709-D Pan American Frwy, NE Albuquerque, NM 87107 505.344.3777 505.344.4413 Fax

TestAmerica

ANALYTICAL REPORT

Job Number: 400-33107-1

Job Description: 808013

For:
Anasazi NM Holding
2709-D Pan American Freeway Northeast
Albuquerque, NM 87107

Attention: Mitch Rubenstein

Marty Edwards

Marty Edwards
Project Manager I
marty.edwards@testamericainc.com
08/19/2008

The test results in this report meet all NELAP requirements for accredited parameters and relate only to the referenced samples. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory.

TestAmerica Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250507), New Jersey (FL006), North Carolina (314), North Dakota (R-108), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-08-TX), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

TestAmerica Laboratories, Inc.
TestAmerica Pensacola 3355 McLemore Drive, Pensacola, FL 32514
Tel (850) 474-1001 Fax (850) 478-2671 www.testamericainc.com

ACCREDITED IN ACCORDANCE WITH NELAC

Comments
No additional comments.

Receipt
All samples were received in good condition within temperature requirements.

Metals
Method 3010A: The following samples submitted for metals analysis were received with insufficient preservation (pH >2): GBR-15/ 808013-02 (400-33107-2), GBR-26/ 808013-03 (400-33107-3), GBR-7/ 808013-11 (400-33107-11), GRW-10/ 808013-07 (400-33107-7). Lab preserved to pH < 2 on 8/7/08@ 1350.

No other analytical or quality issues were noted.

General Chemistry
No analytical or quality issues were noted.

METHOD SUMMARY

Client: Anasazi NM Holding

Job Number: 400-33107-1

Description	Lab Location	Method	Preparation Method
Matrix Water			
Inductively Coupled Plasma - Atomic Emission Spectrometry	TAL PEN	SW846 6010B	
Acid Digestion of Aqueous Samples and Extracts for	TAL PEN		SW846 3010A
Conductivity	TAL PEN	MCAWW 120.1	
pH	TAL PEN	40CFR136A 150.1	
Total Dissolved Solids	TAL PEN	SM18 160.1	
Chloride	TAL PEN	MCAWW 325.2	
Sulfate	TAL PEN	MCAWW 375.4	
Alkalinity	TAL PEN	EPA EPA 310.1	

Lab References:

TAL PEN = TestAmerica Pensacola

Method References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

EPA = US Environmental Protection Agency

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.

SM18 = "Standard Methods For The Examination Of Water And Wastewater", 18th Edition, 1992.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Anasazi NM Holding

Job Number: 400-33107-1

Method	Analyst	Analyst ID
SW846 6010B	St. Pere, Gary	GS
MCAWW 120.1	Gimlin, Wendy	WG
40CFR136A 150.1	Gimlin, Wendy	WG
SM18 160.1	Gimlin, Wendy	WG
MCAWW 325.2	Gimlin, Wendy	WG
MCAWW 375.4	Gimlin, Wendy	WG
EPA EPA 310.1	Taber, Sharon	ST

SAMPLE SUMMARY

Client: Anasazi NM Holding

Job Number: 400-33107-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-33107-1	GBR-39/ 808013-01	Water	08/01/2008 0759	08/06/2008 0940
400-33107-2	GBR-15/ 808013-02	Water	08/01/2008 0855	08/06/2008 0940
400-33107-3	GBR-26/ 808013-03	Water	08/01/2008 0914	08/06/2008 0940
400-33107-4	GBR-21D/ 808013-04	Water	08/01/2008 0946	08/06/2008 0940
400-33107-5	GBR-34/ 808013-05	Water	08/01/2008 1028	08/06/2008 0940
400-33107-6	GBR-35 /808013-06	Water	08/01/2008 1048	08/06/2008 0940
400-33107-7	GRW-10/ 808013-07	Water	08/01/2008 1207	08/06/2008 0940
400-33107-8	GBR-51/ 808013-08	Water	08/01/2008 1250	08/06/2008 0940
400-33107-9	GBR-52/ 808013-09	Water	08/01/2008 1350	08/06/2008 0940
400-33107-10	GBR-5/ 808013-10	Water	08/01/2008 1420	08/06/2008 0940
400-33107-11	GBR-7/ 808013-11	Water	08/01/2008 1431	08/06/2008 0940
400-33107-12	GBR-20/ 808013-12	Water	08/01/2008 1511	08/06/2008 0940
400-33107-13	GBR-9/ 808013-13	Water	08/01/2008 1535	08/06/2008 0940
400-33107-14	GBR-31/ 808013-15	Water	08/02/2008 0834	08/06/2008 0940
400-33107-15	GBR-33/ 808013-16	Water	08/02/2008 0908	08/06/2008 0940
400-33107-16	GBR-40/ 808013-17	Water	08/02/2008 0931	08/06/2008 0940
400-33107-17	GBR-41/ 808013-18	Water	08/02/2008 0947	08/06/2008 0940
400-33107-18	GBR-13/808013-19	Water	08/02/2008 1015	08/06/2008 0940
400-33107-19	GBR-11/ 808013-20	Water	08/02/2008 1041	08/06/2008 0940
400-33107-20	GBR-10/ 808013-21	Water	08/02/2008 1101	08/06/2008 0940
400-33107-21	GBR-8/ 808013-22	Water	08/02/2008 1115	08/06/2008 0940

SAMPLE RESULTS

QUALITY CONTROL RESULTS

Client: Anasazi NM Holding

Job Number: 400-33107-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 400-74005					
LCS 400-74005/15-A	Lab Control Spike	T	Water	3010A	
MB 400-74005/14-A	Method Blank	T	Water	3010A	
400-33055-A-1-F MS	Matrix Spike	T	Water	3010A	
400-33055-A-1-G MSD	Matrix Spike Duplicate	T	Water	3010A	
400-33107-21	GBR-8/ 808013-22	T	Water	3010A	
Prep Batch: 400-74023					
LCS 400-74023/23-A	Lab Control Spike	T	Water	3010A	
MB 400-74023/22-A	Method Blank	T	Water	3010A	
400-33107-1	GBR-39/ 808013-01	T	Water	3010A	
400-33107-1MS	Matrix Spike	T	Water	3010A	
400-33107-1MSD	Matrix Spike Duplicate	T	Water	3010A	
400-33107-4	GBR-21D/ 808013-04	T	Water	3010A	
400-33107-5	GBR-34/ 808013-05	T	Water	3010A	
400-33107-6	GBR-35 /808013-06	T	Water	3010A	
400-33107-8	GBR-51/ 808013-08	T	Water	3010A	
400-33107-9	GBR-52/ 808013-09	T	Water	3010A	
400-33107-10	GBR-5/ 808013-10	T	Water	3010A	
400-33107-12	GBR-20/ 808013-12	T	Water	3010A	
400-33107-13	GBR-9/ 808013-13	T	Water	3010A	
400-33107-14	GBR-31/ 808013-15	T	Water	3010A	
400-33107-15	GBR-33/ 808013-16	T	Water	3010A	
400-33107-16	GBR-40/ 808013-17	T	Water	3010A	
400-33107-17	GBR-41/ 808013-18	T	Water	3010A	
400-33107-18	GBR-13/808013-19	T	Water	3010A	
400-33107-19	GBR-11/ 808013-20	T	Water	3010A	
400-33107-20	GBR-10/ 808013-21	T	Water	3010A	
Prep Batch: 400-74164					
LCS 400-74164/23-A	Lab Control Spike	T	Water	3010A	
MB 400-74164/22-A	Method Blank	T	Water	3010A	
400-33107-2	GBR-15/ 808013-02	T	Water	3010A	
400-33107-3	GBR-26/ 808013-03	T	Water	3010A	
400-33107-7	GRW-10/ 808013-07	T	Water	3010A	
400-33107-11	GBR-7/ 808013-11	T	Water	3010A	
400-33193-M-1-B MS	Matrix Spike	T	Water	3010A	
400-33193-M-1-C MSD	Matrix Spike Duplicate	T	Water	3010A	

Client: Anasazi NM Holding

Job Number: 400-33107-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:400-74227					
LCS 400-74023/23-A	Lab Control Spike	T	Water	6010B	400-74023
MB 400-74023/22-A	Method Blank	T	Water	6010B	400-74023
400-33107-1	GBR-39/ 808013-01	T	Water	6010B	400-74023
400-33107-1MS	Matrix Spike	T	Water	6010B	400-74023
400-33107-1MSD	Matrix Spike Duplicate	T	Water	6010B	400-74023
400-33107-4	GBR-21D/ 808013-04	T	Water	6010B	400-74023
400-33107-5	GBR-34/ 808013-05	T	Water	6010B	400-74023
400-33107-6	GBR-35 /808013-06	T	Water	6010B	400-74023
400-33107-8	GBR-51/ 808013-08	T	Water	6010B	400-74023
400-33107-9	GBR-52/ 808013-09	T	Water	6010B	400-74023
400-33107-10	GBR-5/ 808013-10	T	Water	6010B	400-74023
400-33107-12	GBR-20/ 808013-12	T	Water	6010B	400-74023
400-33107-13	GBR-9/ 808013-13	T	Water	6010B	400-74023
400-33107-14	GBR-31/ 808013-15	T	Water	6010B	400-74023
400-33107-15	GBR-33/ 808013-16	T	Water	6010B	400-74023
400-33107-16	GBR-40/ 808013-17	T	Water	6010B	400-74023
400-33107-17	GBR-41/ 808013-18	T	Water	6010B	400-74023
400-33107-18	GBR-13/808013-19	T	Water	6010B	400-74023
400-33107-19	GBR-11/ 808013-20	T	Water	6010B	400-74023
400-33107-20	GBR-10/ 808013-21	T	Water	6010B	400-74023

Client: Anasazi NM Holding

Job Number: 400-33107-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:400-74303					
LCS 400-74005/15-A	Lab Control Spike	T	Water	6010B	400-74005
MB 400-74005/14-A	Method Blank	T	Water	6010B	400-74005
LCS 400-74164/23-A	Lab Control Spike	T	Water	6010B	400-74164
MB 400-74164/22-A	Method Blank	T	Water	6010B	400-74164
400-33055-A-1-F MS	Matrix Spike	T	Water	6010B	400-74005
400-33055-A-1-G MSD	Matrix Spike Duplicate	T	Water	6010B	400-74005
400-33107-1	GBR-39/ 808013-01	T	Water	6010B	400-74023
400-33107-1MS	Matrix Spike	T	Water	6010B	400-74023
400-33107-1MSD	Matrix Spike Duplicate	T	Water	6010B	400-74023
400-33107-2	GBR-15/ 808013-02	T	Water	6010B	400-74164
400-33107-3	GBR-26/ 808013-03	T	Water	6010B	400-74164
400-33107-4	GBR-21D/ 808013-04	T	Water	6010B	400-74023
400-33107-5	GBR-34/ 808013-05	T	Water	6010B	400-74023
400-33107-6	GBR-35 /808013-06	T	Water	6010B	400-74023
400-33107-7	GRW-10/ 808013-07	T	Water	6010B	400-74164
400-33107-8	GBR-51/ 808013-08	T	Water	6010B	400-74023
400-33107-9	GBR-52/ 808013-09	T	Water	6010B	400-74023
400-33107-10	GBR-5/ 808013-10	T	Water	6010B	400-74023
400-33107-11	GBR-7/ 808013-11	T	Water	6010B	400-74164
400-33107-12	GBR-20/ 808013-12	T	Water	6010B	400-74023
400-33107-13	GBR-9/ 808013-13	T	Water	6010B	400-74023
400-33107-14	GBR-31/ 808013-15	T	Water	6010B	400-74023
400-33107-15	GBR-33/ 808013-16	T	Water	6010B	400-74023
400-33107-16	GBR-40/ 808013-17	T	Water	6010B	400-74023
400-33107-17	GBR-41/ 808013-18	T	Water	6010B	400-74023
400-33107-18	GBR-13/808013-19	T	Water	6010B	400-74023
400-33107-19	GBR-11/ 808013-20	T	Water	6010B	400-74023
400-33107-20	GBR-10/ 808013-21	T	Water	6010B	400-74023
400-33107-21	GBR-8/ 808013-22	T	Water	6010B	400-74005
400-33193-M-1-B MS	Matrix Spike	T	Water	6010B	400-74164
400-33193-M-1-C MSD	Matrix Spike Duplicate	T	Water	6010B	400-74164
Analysis Batch:400-74389					
400-33107-2	GBR-15/ 808013-02	T	Water	6010B	400-74164
400-33107-3	GBR-26/ 808013-03	T	Water	6010B	400-74164
400-33107-7	GRW-10/ 808013-07	T	Water	6010B	400-74164
400-33107-11	GBR-7/ 808013-11	T	Water	6010B	400-74164

Report Basis
T = Total

Client: Anasazi NM Holding

Job Number: 400-33107-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74057					
LCS 400-74057/2	Lab Control Spike	T	Water	160.1	
MB 400-74057/1	Method Blank	T	Water	160.1	
400-33107-1	GBR-39/ 808013-01	T	Water	160.1	
400-33107-1DU	Duplicate	T	Water	160.1	
400-33107-2	GBR-15/ 808013-02	T	Water	160.1	
400-33107-3	GBR-26/ 808013-03	T	Water	160.1	
400-33107-4	GBR-21D/ 808013-04	T	Water	160.1	
400-33107-5	GBR-34/ 808013-05	T	Water	160.1	
400-33107-6	GBR-35 /808013-06	T	Water	160.1	
400-33107-7	GRW-10/ 808013-07	T	Water	160.1	
400-33107-8	GBR-51/ 808013-08	T	Water	160.1	
400-33107-9	GBR-52/ 808013-09	T	Water	160.1	
400-33107-10	GBR-5/ 808013-10	T	Water	160.1	
400-33107-11	GBR-7/ 808013-11	T	Water	160.1	
400-33107-12	GBR-20/ 808013-12	T	Water	160.1	
400-33107-13	GBR-9/ 808013-13	T	Water	160.1	
400-33107-14	GBR-31/ 808013-15	T	Water	160.1	
400-33107-15	GBR-33/ 808013-16	T	Water	160.1	
400-33107-16	GBR-40/ 808013-17	T	Water	160.1	
400-33107-17	GBR-41/ 808013-18	T	Water	160.1	
400-33107-18	GBR-13/808013-19	T	Water	160.1	
400-33107-19	GBR-11/ 808013-20	T	Water	160.1	
400-33107-20	GBR-10/ 808013-21	T	Water	160.1	
Analysis Batch:400-74111					
LCS 400-74111/2	Lab Control Spike	T	Water	160.1	
MB 400-74111/1	Method Blank	T	Water	160.1	
400-33107-21	GBR-8/ 808013-22	T	Water	160.1	
400-33107-21DU	Duplicate	T	Water	160.1	

Client: Anasazi NM Holding

Job Number: 400-33107-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74270					
400-33107-1	GBR-39/ 808013-01	T	Water	150.1	
400-33107-1DU	Duplicate	T	Water	150.1	
400-33107-2	GBR-15/ 808013-02	T	Water	150.1	
400-33107-3	GBR-26/ 808013-03	T	Water	150.1	
400-33107-4	GBR-21D/ 808013-04	T	Water	150.1	
400-33107-5	GBR-34/ 808013-05	T	Water	150.1	
400-33107-6	GBR-35 /808013-06	T	Water	150.1	
400-33107-7	GRW-10/ 808013-07	T	Water	150.1	
400-33107-8	GBR-51/ 808013-08	T	Water	150.1	
400-33107-9	GBR-52/ 808013-09	T	Water	150.1	
400-33107-10	GBR-5/ 808013-10	T	Water	150.1	
400-33107-11	GBR-7/ 808013-11	T	Water	150.1	
400-33107-12	GBR-20/ 808013-12	T	Water	150.1	
400-33107-13	GBR-9/ 808013-13	T	Water	150.1	
400-33107-14	GBR-31/ 808013-15	T	Water	150.1	
400-33107-15	GBR-33/ 808013-16	T	Water	150.1	
400-33107-16	GBR-40/ 808013-17	T	Water	150.1	
400-33107-17	GBR-41/ 808013-18	T	Water	150.1	
400-33107-18	GBR-13/808013-19	T	Water	150.1	
400-33107-19	GBR-11/ 808013-20	T	Water	150.1	
400-33107-20	GBR-10/ 808013-21	T	Water	150.1	
Analysis Batch:400-74271					
400-33107-21	GBR-8/ 808013-22	T	Water	150.1	
400-33107-21DU	Duplicate	T	Water	150.1	

Client: Anasazi NM Holding

Job Number: 400-33107-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74329					
LCS 400-74329/2	Lab Control Spike	T	Water	120.1	
MB 400-74329/1	Method Blank	T	Water	120.1	
400-33107-1	GBR-39/ 808013-01	T	Water	120.1	
400-33107-1DU	Duplicate	T	Water	120.1	
400-33107-2	GBR-15/ 808013-02	T	Water	120.1	
400-33107-3	GBR-26/ 808013-03	T	Water	120.1	
400-33107-4	GBR-21D/ 808013-04	T	Water	120.1	
400-33107-5	GBR-34/ 808013-05	T	Water	120.1	
400-33107-6	GBR-35 /808013-06	T	Water	120.1	
400-33107-7	GRW-10/ 808013-07	T	Water	120.1	
400-33107-8	GBR-51/ 808013-08	T	Water	120.1	
400-33107-9	GBR-52/ 808013-09	T	Water	120.1	
400-33107-10	GBR-5/ 808013-10	T	Water	120.1	
400-33107-11	GBR-7/ 808013-11	T	Water	120.1	
400-33107-12	GBR-20/ 808013-12	T	Water	120.1	
400-33107-13	GBR-9/ 808013-13	T	Water	120.1	
400-33107-14	GBR-31/ 808013-15	T	Water	120.1	
400-33107-15	GBR-33/ 808013-16	T	Water	120.1	
400-33107-16	GBR-40/ 808013-17	T	Water	120.1	
400-33107-17	GBR-41/ 808013-18	T	Water	120.1	
400-33107-18	GBR-13/808013-19	T	Water	120.1	
400-33107-19	GBR-11/ 808013-20	T	Water	120.1	
400-33107-20	GBR-10/ 808013-21	T	Water	120.1	
Analysis Batch:400-74333					
LCS 400-74333/2	Lab Control Spike	T	Water	120.1	
MB 400-74333/1	Method Blank	T	Water	120.1	
400-33107-21	GBR-8/ 808013-22	T	Water	120.1	
400-33107-21DU	Duplicate	T	Water	120.1	

Client: Anasazi NM Holding

Job Number: 400-33107-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74491					
LCS 400-74491/2	Lab Control Spike	T	Water	EPA 310.1	
MB 400-74491/1	Method Blank	T	Water	EPA 310.1	
400-33036-A-1 DU	Duplicate	T	Water	EPA 310.1	
400-33107-1	GBR-39/ 808013-01	T	Water	EPA 310.1	
400-33107-2	GBR-15/ 808013-02	T	Water	EPA 310.1	
400-33107-3	GBR-26/ 808013-03	T	Water	EPA 310.1	
400-33107-4	GBR-21D/ 808013-04	T	Water	EPA 310.1	
400-33107-5	GBR-34/ 808013-05	T	Water	EPA 310.1	
400-33107-6	GBR-35 /808013-06	T	Water	EPA 310.1	
400-33107-7	GRW-10/ 808013-07	T	Water	EPA 310.1	
400-33107-8	GBR-51/ 808013-08	T	Water	EPA 310.1	
400-33107-9	GBR-52/ 808013-09	T	Water	EPA 310.1	
400-33107-10	GBR-5/ 808013-10	T	Water	EPA 310.1	
400-33107-11	GBR-7/ 808013-11	T	Water	EPA 310.1	
400-33107-12	GBR-20/ 808013-12	T	Water	EPA 310.1	
400-33107-13	GBR-9/ 808013-13	T	Water	EPA 310.1	
400-33107-14	GBR-31/ 808013-15	T	Water	EPA 310.1	
Analysis Batch:400-74497					
LCS 400-74497/2	Lab Control Spike	T	Water	325.2	
MB 400-74497/1	Method Blank	T	Water	325.2	
400-33040-A-9 DU	Duplicate	T	Water	325.2	
400-33107-1	GBR-39/ 808013-01	T	Water	325.2	
400-33107-2	GBR-15/ 808013-02	T	Water	325.2	
400-33107-2MS	Matrix Spike	T	Water	325.2	
400-33107-2MSD	Matrix Spike Duplicate	T	Water	325.2	
400-33107-3	GBR-26/ 808013-03	T	Water	325.2	
400-33107-4	GBR-21D/ 808013-04	T	Water	325.2	
400-33107-5	GBR-34/ 808013-05	T	Water	325.2	
400-33107-6	GBR-35 /808013-06	T	Water	325.2	
400-33107-7	GRW-10/ 808013-07	T	Water	325.2	
400-33107-8	GBR-51/ 808013-08	T	Water	325.2	
Analysis Batch:400-74512					
LCS 400-74512/2	Lab Control Spike	T	Water	EPA 310.1	
MB 400-74512/1	Method Blank	T	Water	EPA 310.1	
400-33107-15	GBR-33/ 808013-16	T	Water	EPA 310.1	
400-33107-15DU	Duplicate	T	Water	EPA 310.1	
400-33107-16	GBR-40/ 808013-17	T	Water	EPA 310.1	
400-33107-17	GBR-41/ 808013-18	T	Water	EPA 310.1	
400-33107-18	GBR-13/808013-19	T	Water	EPA 310.1	
400-33107-19	GBR-11/ 808013-20	T	Water	EPA 310.1	
400-33107-20	GBR-10/ 808013-21	T	Water	EPA 310.1	
400-33107-21	GBR-8/ 808013-22	T	Water	EPA 310.1	

Client: Anasazi NM Holding

Job Number: 400-33107-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74538					
LCS 400-74538/2	Lab Control Spike	T	Water	325.2	
MB 400-74538/1	Method Blank	T	Water	325.2	
400-33107-9	GBR-52/ 808013-09	T	Water	325.2	
400-33107-9MS	Matrix Spike	T	Water	325.2	
400-33107-9MSD	Matrix Spike Duplicate	T	Water	325.2	
400-33107-10	GBR-5/ 808013-10	T	Water	325.2	
400-33107-11	GBR-7/ 808013-11	T	Water	325.2	
400-33107-12	GBR-20/ 808013-12	T	Water	325.2	
400-33107-13	GBR-9/ 808013-13	T	Water	325.2	
400-33107-14	GBR-31/ 808013-15	T	Water	325.2	
400-33107-15	GBR-33/ 808013-16	T	Water	325.2	
400-33107-16	GBR-40/ 808013-17	T	Water	325.2	
400-33107-17	GBR-41/ 808013-18	T	Water	325.2	
400-33107-18	GBR-13/808013-19	T	Water	325.2	
400-33107-19	GBR-11/ 808013-20	T	Water	325.2	
400-33107-20	GBR-10/ 808013-21	T	Water	325.2	
400-33107-20DU	Duplicate	T	Water	325.2	
400-33107-21	GBR-8/ 808013-22	T	Water	325.2	
Analysis Batch:400-74539					
LCS 400-74539/2	Lab Control Spike	T	Water	375.4	
MB 400-74539/1	Method Blank	T	Water	375.4	
400-33107-1	GBR-39/ 808013-01	T	Water	375.4	
400-33107-2	GBR-15/ 808013-02	T	Water	375.4	
400-33107-2MS	Matrix Spike	T	Water	375.4	
400-33107-2MSD	Matrix Spike Duplicate	T	Water	375.4	
400-33107-3	GBR-26/ 808013-03	T	Water	375.4	
400-33107-4	GBR-21D/ 808013-04	T	Water	375.4	
400-33107-5	GBR-34/ 808013-05	T	Water	375.4	
400-33107-6	GBR-35 /808013-06	T	Water	375.4	
400-33107-7	GRW-10/ 808013-07	T	Water	375.4	
400-33107-8	GBR-51/ 808013-08	T	Water	375.4	

Client: Anasazi NM Holding

Job Number: 400-33107-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:400-74553					
LCS 400-74553/2	Lab Control Spike	T	Water	375.4	
MB 400-74553/1	Method Blank	T	Water	375.4	
400-33107-9	GBR-52/ 808013-09	T	Water	375.4	
400-33107-9MS	Matrix Spike	T	Water	375.4	
400-33107-9MSD	Matrix Spike Duplicate	T	Water	375.4	
400-33107-10	GBR-5/ 808013-10	T	Water	375.4	
400-33107-11	GBR-7/ 808013-11	T	Water	375.4	
400-33107-12	GBR-20/ 808013-12	T	Water	375.4	
400-33107-13	GBR-9/ 808013-13	T	Water	375.4	
400-33107-14	GBR-31/ 808013-15	T	Water	375.4	
400-33107-15	GBR-33/ 808013-16	T	Water	375.4	
400-33107-16	GBR-40/ 808013-17	T	Water	375.4	
400-33107-17	GBR-41/ 808013-18	T	Water	375.4	
400-33107-18	GBR-13/808013-19	T	Water	375.4	
400-33107-19	GBR-11/ 808013-20	T	Water	375.4	
400-33107-20	GBR-10/ 808013-21	T	Water	375.4	
400-33107-20DU	Duplicate	T	Water	375.4	
400-33107-21	GBR-8/ 808013-22	T	Water	375.4	

Report Basis
T = Total

Client: *Anasazi NM Holding*

Job Number: 400-33107-1

Method Blank - Batch: 400-74005

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 400-74005/14-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1636
Date Prepared: 08/07/2008 1105

Analysis Batch: 400-74303
Prep Batch: 400-74005
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Calcium	<0.50		0.50
Hardness	<3.3		3.3
Magnesium	<0.50		0.50
Potassium	<1.0		1.0
Sodium	<1.0		1.0

Lab Control Spike - Batch: 400-74005

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 400-74005/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1640
Date Prepared: 08/07/2008 1105

Analysis Batch: 400-74303
Prep Batch: 400-74005
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	10.0	10.1	101	80 - 120	
Hardness	66.2	65.6	99	80 - 120	
Magnesium	10.0	9.85	98	80 - 120	
Potassium	10.0	9.85	99	80 - 120	
Sodium	10.0	9.79	98	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74005

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	400-33055-A-1-F MS	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-74005	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 1655		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1105		

MSD Lab Sample ID:	400-33055-A-1-G MSD	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-74005	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 1700		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1105		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	97	96	75 - 125	0	20		
Hardness	98	97	75 - 125	0	20		
Magnesium	99	98	75 - 125	0	20		
Potassium	106	104	75 - 125	2	20		
Sodium	110	102	75 - 125	2	20		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74023

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	400-33107-1	Analysis Batch: 400-74227	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 0007		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

MSD Lab Sample ID:	400-33107-1	Analysis Batch: 400-74227	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 0012		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	128	141	75 - 125	1	20	4	4
Hardness	113	118	75 - 125	0	20	4	4
Magnesium	104	105	75 - 125	0	20		
Potassium	146	143	75 - 125	1	20	F	F

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74023

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	400-33107-1	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 2044		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

MSD Lab Sample ID:	400-33107-1	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 2049		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Potassium	115	114	75 - 125	0	20		
Sodium	85	87	75 - 125	0	20	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Method Blank - Batch: 400-74164

Method: 6010B
Preparation: 3010A

Lab Sample ID: MB 400-74164/22-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 2219
Date Prepared: 08/11/2008 1011

Analysis Batch: 400-74303
Prep Batch: 400-74164
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result	Qual	RL
Calcium	<0.50		0.50
Hardness	<3.3		3.3
Magnesium	<0.50		0.50
Potassium	<1.0		1.0
Sodium	<1.0		1.0

Lab Control Spike - Batch: 400-74164

Method: 6010B
Preparation: 3010A

Lab Sample ID: LCS 400-74164/23-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 2223
Date Prepared: 08/11/2008 1011

Analysis Batch: 400-74303
Prep Batch: 400-74164
Units: mg/L

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Calcium	10.0	10.5	105	80 - 120	
Hardness	66.2	68.3	103	80 - 120	
Magnesium	10.0	10.2	102	80 - 120	
Potassium	10.0	10.2	102	80 - 120	
Sodium	10.0	10.2	102	80 - 120	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74164

Method: 6010B
Preparation: 3010A

MS Lab Sample ID:	400-33193-M-1-B MS	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-74164	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 2249		Final Weight/Volume: 50 mL
Date Prepared:	08/11/2008 1011		

MSD Lab Sample ID:	400-33193-M-1-C MSD	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Client Matrix:	Water	Prep Batch: 400-74164	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 2254		Final Weight/Volume: 50 mL
Date Prepared:	08/11/2008 1011		

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Calcium	103	102	75 - 125	1	20		
Hardness	101	100	75 - 125	1	20		
Magnesium	100	99	75 - 125	1	20		
Potassium	132	130	75 - 125	1	20	F	F
Sodium	149	107	75 - 125	2	20	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Method Blank - Batch: 400-74329

Method: 120.1
Preparation: N/A

Lab Sample ID: MB 400-74329/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1540
Date Prepared: N/A

Analysis Batch: 400-74329
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Specific Conductance	<5.0		5.0

Lab Control Spike - Batch: 400-74329

Method: 120.1
Preparation: N/A

Lab Sample ID: LCS 400-74329/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1540
Date Prepared: N/A

Analysis Batch: 400-74329
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance	10.4	10.5	100	98 - 102	

Duplicate - Batch: 400-74329

Method: 120.1
Preparation: N/A

Lab Sample ID: 400-33107-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1540
Date Prepared: N/A

Analysis Batch: 400-74329
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	3000	3080	1	2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Method Blank - Batch: 400-74333

Method: 120.1
Preparation: N/A

Lab Sample ID: MB 400-74333/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1600
Date Prepared: N/A

Analysis Batch: 400-74333
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Specific Conductance	<5.0		5.0

Lab Control Spike - Batch: 400-74333

Method: 120.1
Preparation: N/A

Lab Sample ID: LCS 400-74333/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1600
Date Prepared: N/A

Analysis Batch: 400-74333
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Specific Conductance	10.4	10.5	100	98 - 102	

Duplicate - Batch: 400-74333

Method: 120.1
Preparation: N/A

Lab Sample ID: 400-33107-21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1600
Date Prepared: N/A

Analysis Batch: 400-74333
Prep Batch: N/A
Units: umhos/cm

Instrument ID: Conductivity Meter 1
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Specific Conductance	2200	2230	0	2	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Duplicate - Batch: 400-74270

Method: 150.1
Preparation: N/A

Lab Sample ID: 400-33107-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1417
Date Prepared: N/A

Analysis Batch: 400-74270
Prep Batch: N/A
Units: SU

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume:
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
pH	5.86	5.870	0		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Method Blank - Batch: 400-74057

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 400-74057/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1703
Date Prepared: N/A

Analysis Batch: 400-74057
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Total Dissolved Solids	<5.0		5.0

Lab Control Spike - Batch: 400-74057

Method: 160.1
Preparation: N/A

Lab Sample ID: LCS 400-74057/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1703
Date Prepared: N/A

Analysis Batch: 400-74057
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	293	266	91	83 - 110	

Duplicate - Batch: 400-74057

Method: 160.1
Preparation: N/A

Lab Sample ID: 400-33107-1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/07/2008 1703
Date Prepared: N/A

Analysis Batch: 400-74057
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	2100	2080	0	19	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Method Blank - Batch: 400-74111

Method: 160.1
Preparation: N/A

Lab Sample ID: MB 400-74111/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/08/2008 1535
Date Prepared: N/A

Analysis Batch: 400-74111
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Total Dissolved Solids	<5.0		5.0

Lab Control Spike - Batch: 400-74111

Method: 160.1
Preparation: N/A

Lab Sample ID: LCS 400-74111/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/08/2008 1535
Date Prepared: N/A

Analysis Batch: 400-74111
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Dissolved Solids	293	270	92	83 - 110	

Duplicate - Batch: 400-74111

Method: 160.1
Preparation: N/A

Lab Sample ID: 400-33107-21
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/08/2008 1535
Date Prepared: N/A

Analysis Batch: 400-74111
Prep Batch: N/A
Units: mg/L

Instrument ID: Denver Balance
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Total Dissolved Solids	1400	1390	0	19	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Duplicate - Batch: 400-74497

Method: 325.2
Preparation: N/A

Lab Sample ID: 400-33040-A-9 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/15/2008 0905
Date Prepared: N/A

Analysis Batch: 400-74497
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	66	65.0	1	8	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Method Blank - Batch: 400-74538

Method: 325.2
Preparation: N/A

Lab Sample ID: MB 400-74538/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/15/2008 1123
Date Prepared: N/A

Analysis Batch: 400-74538
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Chloride	<2.0		2.0

Lab Control Spike - Batch: 400-74538

Method: 325.2
Preparation: N/A

Lab Sample ID: LCS 400-74538/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/15/2008 1123
Date Prepared: N/A

Analysis Batch: 400-74538
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Chloride	50.0	48.4	97	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74538

Method: 325.2
Preparation: N/A

MS Lab Sample ID: 400-33107-9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/15/2008 1123
Date Prepared: N/A

Analysis Batch: 400-74538
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-33107-9
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/15/2008 1123
Date Prepared: N/A

Analysis Batch: 400-74538
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Chloride	74	77	73 - 120	1	8		

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Duplicate - Batch: 400-74538

Method: 325.2
Preparation: N/A

Lab Sample ID: 400-33107-20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/15/2008 1231
Date Prepared: N/A

Analysis Batch: 400-74538
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Chloride	69	69.0	0	8	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Method Blank - Batch: 400-74539

Method: 375.4
Preparation: N/A

Lab Sample ID: MB 400-74539/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/15/2008 0844
Date Prepared: N/A

Analysis Batch: 400-74539
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Sulfate	<5.0		5.0

Lab Control Spike - Batch: 400-74539

Method: 375.4
Preparation: N/A

Lab Sample ID: LCS 400-74539/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/15/2008 0858
Date Prepared: N/A

Analysis Batch: 400-74539
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Sulfate	20.0	20.1	100	90 - 110	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-74539

Method: 375.4
Preparation: N/A

MS Lab Sample ID: 400-33107-2
Client Matrix: Water
Dilution: 99
Date Analyzed: 08/15/2008 1022
Date Prepared: N/A

Analysis Batch: 400-74539
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

MSD Lab Sample ID: 400-33107-2
Client Matrix: Water
Dilution: 99
Date Analyzed: 08/15/2008 1006
Date Prepared: N/A

Analysis Batch: 400-74539
Prep Batch: N/A

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 10 mL

Analyte	% Rec. MS	% Rec. MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Sulfate	-111	-345	77 - 128	3	5	4	4

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Duplicate - Batch: 400-74553

Method: 375.4
Preparation: N/A

Lab Sample ID: 400-33107-20
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/15/2008 1444
Date Prepared: N/A

Analysis Batch: 400-74553
Prep Batch: N/A
Units: mg/L

Instrument ID: Konelab 1
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Sulfate	19	19.3	1	5	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Method Blank - Batch: 400-74491

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: MB 400-74491/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1650
Date Prepared: N/A

Analysis Batch: 400-74491
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Alkalinity, Total	<1.0		1.0

Lab Control Spike - Batch: 400-74491

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: LCS 400-74491/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1650
Date Prepared: N/A

Analysis Batch: 400-74491
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	250	246	98	90 - 110	

Duplicate - Batch: 400-74491

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: 400-33036-A-1 DU
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/12/2008 1650
Date Prepared: N/A

Analysis Batch: 400-74491
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity, Total	<1.0	<1.0	NC	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

Client: Anasazi NM Holding

Job Number: 400-33107-1

Method Blank - Batch: 400-74512

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: MB 400-74512/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2008 1530
Date Prepared: N/A

Analysis Batch: 400-74512
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Result	Qual	RL
Alkalinity, Total	<1.0		1.0

Lab Control Spike - Batch: 400-74512

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: LCS 400-74512/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2008 1530
Date Prepared: N/A

Analysis Batch: 400-74512
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Alkalinity, Total	250	242	97	90 - 110	

Duplicate - Batch: 400-74512

Method: EPA 310.1
Preparation: N/A

Lab Sample ID: 400-33107-15
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 08/13/2008 1530
Date Prepared: N/A

Analysis Batch: 400-74512
Prep Batch: N/A
Units: mg/L

Instrument ID: Accumet AB 15+
Lab File ID: N/A
Initial Weight/Volume: 1.0 mL
Final Weight/Volume: 1.0 mL

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Alkalinity, Total	290	288	0	20	

Calculations are performed before rounding to avoid round-off errors in calculated results.

DATA REPORTING QUALIFIERS

Client: Anasazi NM Holding

Job Number: 400-33107-1

Lab Section	Qualifier	Description
Metals		
	F	MS or MSD exceeds the control limits
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
General Chemistry		
	HF	Field parameter with a holding time of 15 minutes
	4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Pinnacle Laboratories, Inc.

400 - ~~33105~~ mws 8/6/08

Interlab Chain of Custody 33151

Date: 8/5/08 Page: 1 of 3

PINNACLE LABORATORIES Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

WATCH HOLD TIME!!

Samples -01, -04, -05 and -06 have heavy oily sheen.

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Hardness, Ca, Mg, K, Na TOC	Gen Chemistry: Alk+Bicarb/Carb/OH pH, TDS, EC, Cl, SO4	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
GBR-39 /808013-01	8/1/08	0759	GW							X	X	X												
GBR-15 / -02		0855								X	X	X												
GBR-26 / -03		0914								X	X	X												
GBR-21D / -04		0946								X	X	X												
GBR-34 / -05		1028								X	X	X												
GBR-35 / -06		1048								X	X	X												
GRW-10 / -07		1207								X	X	X												
GBR-51 / -08		1250								X	X	X												
GBR-52 / -09		1350								X	X	X												
GBR-5 / -10	↓	1420	↓							X	X	X												

PROJECT INFORMATION	SAMPLE RECEIPT	SAMPLES SENT TO:	RELINQUISED BY: 1.	RELINQUISED BY: 2.
PROJECT #: 808013	Total Number of Containers	APEX LABS	Signature: Time:	Signature: Time:
PROJ. NAME: LODE	Chain of Custody Seals	ARS	Printed Name: Date:	Printed Name: Date:
QC LEVEL: (STD) IV	Received Intact?	BIOVIR	Francine Tenorio 8/5/08	
QC REQUIRED: (MS) MSD BLANK	Received Good Cond./Cold	BSK ANALYTICAL	Pinnacle Laboratories, Inc.	Company
TAT: (STANDARD) RUSH!!	LAB NUMBER:	GEL	RECEIVED BY: 1.	RECEIVED BY: 2.
		MWH LABS	Signature: Time:	Signature: Time:
DUE DATE: 8/19	COMMENTS:	TEST AMERICA-FL X	Mark Swafford 0940	
RUSH SURCHARGE: —		WCAS	Printed Name: Date:	Printed Name: Date:
CLIENT DISCOUNT: —	1.7°C	WOHL	8/6/08	
SPECIAL CERTIFICATION REQUIRED: YES (NO)	2.4°C		Company	Company

Pinnacle Laboratories, Inc.

Interlab Chain of Custody

33137
400-~~33105~~ 8/6

Date: 8/5/08 Page: 2 of 3

LABORATORIES Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

Watch Hold Time!
Samples -17, -18, -19, -20, -21 all have heavy oily sheen.

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Hardness, Ca, Mg, K, Na	TOC	Gen Chemistry: Alk+Bicarb/Carb, Cl, SO4	pH, TDS, EC, Cl, SO4	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE		Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
GBR-7/808013-11	8/1/08	1431	GW							X		X	X													
GBR-20/ -12		1511								X		X	X													
GBR-9/ -13		1535								X		X	X													
GBR-31/ -15	8/2/08	0834								X		X	X													
GBR-33/ -16		0908								X		X	X													
GBR-40/ -17		0931								X		X	X													
GBR-41/ -18		0947								X		X	X													
GBR-13/ -19		1015								X		X	X													
GBR-11/ -20		1041								X		X	X													
GBR-10/ -21		1101								X		X	X													

ANALYSIS REQUEST

PROJECT INFORMATION		SAMPLE RECEIPT	
PROJECT #:	808013	Total Number of Containers	
PROJ. NAME:	LODE	Chain of Custody Seals	
QC LEVEL:	(STD) IV	Received Intact?	
QC REQUIRED:	MS MSD BLANK	Received Good Cond./Cold	
TAT:	(STANDARD) RUSH!!	LAB NUMBER:	
DUE DATE:	8/19		
RUSH SURCHARGE:	—		
CLIENT DISCOUNT:	—		
SPECIAL CERTIFICATION REQUIRED: YES (NO)			

COMMENTS: 1.7°C 2.4°C

SAMPLES SENT TO:	
APEX LABS	
ARS	
BIOVIR	
BSK ANALYTICAL	
GEL	
MWH LABS	
TEST AMERICA-FL	X
WCAS	
WOHL	

RELINQUISED BY: 1.	RELINQUISED BY: 2.
Signature: Time: Francine Tanio 1700	Signature: Time:
Printed Name: Date: Francine Tenorio 8/5/08	Printed Name: Date:
Pinnacle Laboratories, Inc.	Company
RECEIVED BY: 1.	**RECEIVED BY: 2.**
Signature: Time: Mark Swaffo 0940	Signature: Time:
Printed Name: Date: 8/6/08	Printed Name: Date:
Company	Company

Pinnacle Laboratories, Inc.

Interlab Chain of Custody 400 ~~33105~~ 33107 Date: 8/5/08 Page: 3 of 3

PINNACLE LABORATORIES Network Project Manager: Jacinta Tenorio

Pinnacle Laboratories, Inc.
2709-D Pan American Freeway, NE
Albuquerque, NM 87107
(505) 344-3777 Fax (505) 344-4413

Sample has heavy oily sheen.

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	Metals (8) RCRA	TCLP RCRA (8) Metals	Metals-13 PP List	Metals-TAL (23 Metals)	Dissolved Fe, Mn, Pb (6010)	Hardness, Ca, Mg, K, Na	TOC	Gen Chemistry: Alk+Bicarb+Carb+OH	pH, TDS, EC, Cl, SO4	Volatile Organics GC/MS (8260)	BOD	COD	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	PNA (8310)/8270 SIMS	8260 (TCLP 1311) ZHE	Base/Neutral Acid Compounds GC/MS (625/8270)	Uranium (ICP-MS)	Radium 226+228	Gross Alpha/Beta	TO-14	NUMBER OF CONTAINERS
GBR-8 808013-22	8/2/08	1115	GW							X		X	X													

ANALYSIS REQUEST

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY: 1.	RELINQUISHED BY: 2.
PROJECT #:	808013	Total Number of Containers		APEX LABS		Signature: Time: Francine Tenorio 1700	Signature: Time:
PROJ. NAME:	LODE	Chain of Custody Seals		ARS		Printed Name: Date: Francine Tenorio 8/5/08	Printed Name: Date:
QC LEVEL:	(STD) IV	Received Intact?		BIOVIR		Pinnacle Laboratories, Inc.	Company
QC REQUIRED:	(MS) MSD BLANK	Received Good Cond./Cold		BSK ANALYTICAL		RECEIVED BY: 1.	RECEIVED BY: 2.
TAT:	(STANDARD) RUSH!!	LAB NUMBER:		GEL		Signature: Time: Mark Huffman 0940	Signature: Time:
DUE DATE:	8/19	COMMENTS: 1.7°C 2.4°C		MWH LABS		Printed Name: Date: 8/6/08	Printed Name: Date:
RUSH SURCHARGE:	—			TEST AMERICA-FL	X	Company	Company
CLIENT DISCOUNT:	—			WCAS			
SPECIAL CERTIFICATION REQUIRED: YES (NO)				WOHL			

Login Sample Receipt Check List

Client: Anasazi NM Holding

Job Number: 400-33107-1

Login Number: 33107
Creator: Swafford, Mark
List Number: 1

List Source: TestAmerica Pensacola

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7°C, 2.4°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

PINNACLE LABORATORIES **Pinnacle Laboratories Inc.**

CHAIN OF CUSTODY

DATE: 8-12-08 PAGE: 3 OF 3

PLI Accession #: 808013

PLEASE FILL THIS FORM IN COMPLETELY. SHADED AREAS ARE FOR LAB USE ONLY.

PROJECT MANAGER: Ashley Ager

COMPANY: Lonestar Services
ADDRESS: 1588 CR 204
Durango, CO 81301
PHONE: 970 946 1093
FAX: 970 385 6794

BILL TO: Bill Robertson
COMPANY: Western Refining
ADDRESS: 111 CR 4990
Bloomfield, NM

ANALYSIS REQUEST

SAMPLE ID	DATE	TIME	MATRIX	LAB I.D.	Petroleum Hydrocarbons (418.1) TRPH	(MOD.8015) Diesel/Direct Inject	(M8015) Gas/Purge & Trap	8021 (BTEX)/8015 (Gasoline) MTBE	8021 (BTEX) ☐MTBE ☐TMB ☐PCE	8021 (TCL)	8021 (EDX)	8021 (HALO)	8021 (CUST)	504.1 EDB ☐/DBCP ☐	8260 (TCL) Volatile Organics	8260 (Full) Volatile Organics ☐PBMS	8260 (CUST) Volatile Organics	8260 (Landfill) Volatile Organics	Pesticides/PCB (608/8081/8082)	Herbicides (615/8151)	Base/Neutral/Acid Compounds GC/MS (625/8270)	Polynuclear Aromatics (610/8310/8270-SIMS)	General Chemistry: Hard, Ca, Mg, K, Na, Alk, TDS, EC, Nitrate, Nitrite, pH	Priority Pollutant Metals (13)	Target Analyte List Metals (23)	RCRA Metals (8)	RCRA Metals by TCLP (Method 1311)	Metals:		NUMBER OF CONTAINERS
GBR-31	8-2-08	1024	GW	15			✓															✓	✓						4
GBR-33	8-2-08	0958	GW	16			✓															✓	✓						4
GBR-40	8-2-08	0931	GW	17			✓															✓	✓						4
GBR-41	8-2-08	0919	GW	18			✓															✓	✓						4
GBR-13	8-2-08	1015	GW	19			✓															✓	✓						4
GBR-11	8-2-08	1041	GW	20			✓															✓	✓						4
GBR-10	8-2-08	1101	GW	21			✓															✓	✓						4
GBR-8	8-2-08	1115	GW	22			✓															✓	✓						4
TRIP BLANK	8-2-08	0700	GW	23			✓															✓	✓						2

WEEKEND ANALYSES MAY RESULT IN AN ADDITIONAL SURCHARGE - PLEASE INQUIRE.

PROJECT INFORMATION

PROJ. NO.:
PROJ. NAME: GBR
P.O. NO.:
SHIPPED VIA: UPS

SAMPLE RECEIPT

NO CONTAINERS	32
CUSTODY SEALS	Y (N) NA
RECEIVED INTACT	Yes
BLUE ICE/ICE	Ice

PRIOR AUTHORIZATION IS REQUIRED FOR RUSH PROJECTS

(RUSH) ☐24hr* ☐48hr* ☐72hr* ☐1 WEEK (NORMAL) ☒
*NOT AVAILABLE ON ALL ANALYSES

CERTIFICATION REQUIRED ☐NM ☐SDWA ☐AZ ☐OTHER

METHANOL PRESERVATION ☐ METALS ☐TOTAL ☐DISSOLVED

COMMENTS:
GBR-40, 41, 13, 11, 10, 8
all have heavy sheen (oily)

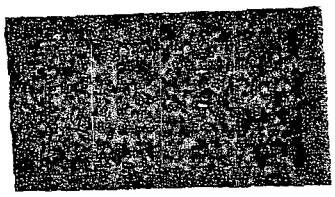
RELINQUISHED BY: 1.
Signature: Ashley Ager Time: 1430
Printed Name: Ashley Ager Date: 8-4-08
Company: Lonestar Services

RECEIVED BY: 1.
Signature: Time:
Printed Name: Date:
Company:

RELINQUISHED BY: 2.
Signature: Time:
Printed Name: Date:
Company:

RECEIVED BY: (LAB) 2.
Signature: Time: 1223
Printed Name: Date: 8/5/08
Pinnacle Laboratories Inc.

DISTRIBUTION



ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

ANASAZI I.D. : 808013
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
01	GBR-39	AQUEOUS	8/1/2008	NA	8/7/2008	1
02	GBR-15	AQUEOUS	8/1/2008	NA	8/10/2008	1
03	GBR-26	AQUEOUS	8/1/2008	NA	8/7/2008	1

PARAMETER	DET. LIMIT	UNITS	GBR-39	GBR-15	GBR-26
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**0.9**
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**0.7**
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	**0.5**	**UG/L**	**7.0**	**1.4**	**1.8**
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1.3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	**0.5**	**UG/L**	< 0.5	**0.8**	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			95	96	90
SURROGATE LIMITS	(70 - 130)				
1,4-DICHLOROBUTANE (%)			102	103	104
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
N/A

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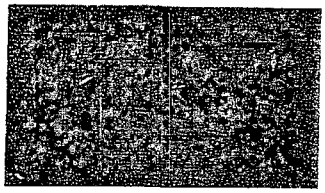

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST	: EPA 601/602		
CLIENT	: LODESTAR	ANASAZI I.D.	: 808013
PROJECT #	: (NONE)	ANALYST	: DRK
PROJECT NAME	: GBR		

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
04	GBR-21D	AQUEOUS	8/1/2008	NA	8/7/2008	1
05	GBR-34	AQUEOUS	8/1/2008	NA	8/7/2008	1
06	GBR-35	AQUEOUS	8/1/2008	NA	8/7/2008	1

PARAMETER	DET. LIMIT	UNITS	GBR-21D	GBR-34	GBR-35
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	**0.5**	**UG/L**	**1.8**	**24**	**12**
TOLUENE	**0.5**	**UG/L**	**1.4**	< 0.5	< 0.5
ETHYLBENZENE	**0.5**	**UG/L**	**1.6**	**310 D20**	**13**
TOTAL XYLENES	**2.0**	**UG/L**	< 2.0	**470 D20**	**12**
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	**0.5**	**UG/L**	**1.0**	**0.7**	**1.6**
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			84	84	**65 s**
SURROGATE LIMITS	(70 - 130)				
1,4-DICHLOROBUTANE (%)			130	**131 S**	122
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:

s = Surrogate recovery does not meet AES criteria - low. Dilution trended low for this surrogate; matrix effects suspected.

S = Surrogate recovery does not meet AES criteria - high. D20 = Reported from a 20X dilution run on 08/10/08.

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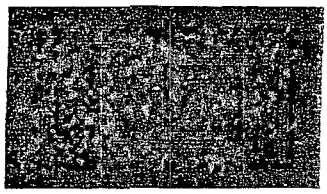

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

ANASAZI I.D. : 808013
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
07	GRW-10	AQUEOUS	8/1/2008	NA	8/7/2008	1
08	GBR-51	AQUEOUS	8/1/2008	NA	8/7/2008	1
09	GBR-52	AQUEOUS	8/1/2008	NA	8/7/2008	1

PARAMETER	DET. LIMIT	UNITS	GRW-10	GBR-51	GBR-52
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			83	96	97
SURROGATE LIMITS	(70 - 130)				
1,4-DICHLOROBUTANE (%)			104	103	104
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
N/A

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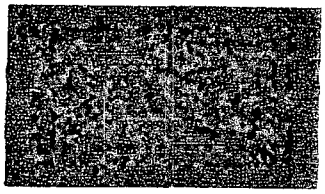

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

ANASAZI I.D. : 808013
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
11	GBR-7	AQUEOUS	8/1/2008	NA	8/10/2008	1
12	GBR-20	AQUEOUS	8/1/2008	NA	8/11/2008	5

PARAMETER	DET. LIMIT	UNITS	#REF!	GBR-7	GBR-20
METHYL -t-BUTYL ETHER	2.5	UG/L		< 2.5	< 12.5
BENZENE	0.5	UG/L		< 0.5	< 2.5
TOLUENE	**0.5**	**UG/L**		**3.0**	< 2.5
ETHYLBENZENE	**0.5**	**UG/L**		**0.8**	< 2.5
TOTAL XYLENES	**2.0**	**UG/L**		**9.7**	< 10.0
CHLOROMETHANE	1.0	UG/L		< 1.0	< 5.0
VINYL CHLORIDE	0.5	UG/L		< 0.5	< 2.5
BROMOMETHANE	1.0	UG/L		< 1.0	< 5.0
CHLOROETHANE	1.0	UG/L		< 1.0	< 5.0
TRICHLOROFLUOROMETHANE	0.2	UG/L		< 0.2	< 1.0
1,1-DICHLOROETHENE	0.2	UG/L		< 0.2	< 1.0
METHYLENE CHLORIDE	2.0	UG/L		< 2.0	< 10.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L		< 1.0	< 5.0
1,1-DICHLOROETHANE	0.3	UG/L		< 0.3	< 1.5
CHLOROFORM	0.5	UG/L		< 0.5	< 2.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L		< 0.5	< 2.5
1,1,1-TRICHLOROETHANE	1.0	UG/L		< 1.0	< 5.0
CARBON TETRACHLORIDE	0.2	UG/L		< 0.2	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L		< 0.2	< 1.0
TRICHLOROETHENE	0.3	UG/L		< 0.3	< 1.5
BROMODICHLOROMETHANE	0.2	UG/L		< 0.2	< 1.0
CIS-1,3-DICHLOROPROPENE	0.2	UG/L		< 0.2	< 1.0
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L		< 0.2	< 1.0
1,1,2-TRICHLOROETHANE	0.2	UG/L		< 0.2	< 1.0
DIBROMOCHLOROMETHANE	0.2	UG/L		< 0.2	< 1.0
1,2-DIBROMOETHANE (EDB)	0.5	UG/L		< 0.5	< 2.5
TETRACHLOROETHENE	0.5	UG/L		< 0.5	< 2.5
CHLOROBENZENE	0.5	UG/L		< 0.5	< 2.5
BROMOFORM	0.2	UG/L		< 0.2	< 1.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L		< 0.5	< 2.5
1,3-DICHLOROBENZENE	0.5	UG/L		< 0.5	< 2.5
1,4-DICHLOROBENZENE	0.5	UG/L		< 0.5	< 2.5
1,2-DICHLOROBENZENE	0.5	UG/L		< 0.5	< 2.5

SURROGATE:			
TRIFLUOROTOLUENE (%)		80	**49 s**
SURROGATE LIMITS	(70 - 130)		
1,4-DICHLOROBUTANE (%)		101	103
SURROGATE LIMITS	(70 - 130)		

CHEMIST NOTES:

s = Surrogate recovery does not meet AES criteria - low.

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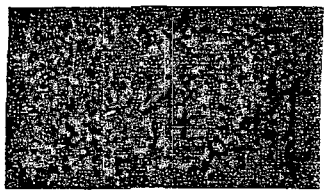

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

ANASAZI I.D. : 808013
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
13	GBR-9 ✓	AQUEOUS	8/1/2008	NA	8/10/2008	1
14	TRIP BLANK	AQUEOUS	7/24/2008	NA	8/10/2008	1
15	GBR-31 ✓	AQUEOUS	8/2/2008	NA	8/10/2008	1

PARAMETER	DET. LIMIT	UNITS	GBR-9	TRIP BLANK	GBR-31
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOLUENE	**0.5**	**UG/L**	< 0.5	**0.7**	< 0.5
ETHYLBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
TOTAL XYLENES	2.0	UG/L	< 2.0	< 2.0	< 2.0
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	**0.5**	**UG/L**	< 0.5	< 0.5	**0.9**
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			90	98	98
SURROGATE LIMITS	(70 - 130)				
1,4-DICHLOROBUTANE (%)			99	104	104
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
N/A

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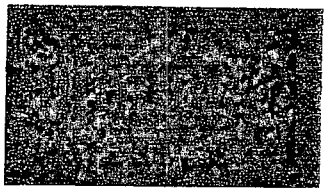

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

ANASAZI I.D. : 808013
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
16	GBR-33	AQUEOUS	8/2/2008	NA	8/10/2008	1
17	GBR-40	AQUEOUS	8/2/2008	NA	8/10/2008	1
18	GBR-41	AQUEOUS	8/2/2008	NA	8/10/2008	1

PARAMETER	DET. LIMIT	UNITS	GBR-33	GBR-40	GBR-41
METHYL -t-BUTYL ETHER	2.5	UG/L	< 2.5	< 2.5	< 2.5
BENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**3.6**
TOLUENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
ETHYLBENZENE	**0.5**	**UG/L**	< 0.5	< 0.5	**18**
TOTAL XYLENES	**2.0**	**UG/L**	< 2.0	< 2.0	**12**
CHLOROMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
VINYL CHLORIDE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOMETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1-DICHLOROETHENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
METHYLENE CHLORIDE	2.0	UG/L	< 2.0	< 2.0	< 2.0
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHANE	0.3	UG/L	< 0.3	< 0.3	< 0.3
CHLOROFORM	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 1.0	< 1.0	< 1.0
CARBON TETRACHLORIDE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DICHLOROPROPANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRICHLOROETHENE	0.3	UG/L	< 0.3	< 0.3	< 0.3
BROMODICHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
DIBROMOCHLOROMETHANE	0.2	UG/L	< 0.2	< 0.2	< 0.2
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 0.5	< 0.5	< 0.5
TETRACHLOROETHENE	**1.0**	**UG/L**	**1.6**	< 1.0	< 1.0
CHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
BROMOFORM	1.0	UG/L	< 1.0	< 1.0	< 1.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 0.5	< 0.5	< 0.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			85	93	**64 s**
SURROGATE LIMITS	(70 - 130)				
1,4-DICHLOROBUTANE (%)			91	108	114
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:

s = Surrogate recovery does not meet AES criteria - low. Low recovery confirmed by duplicate run.

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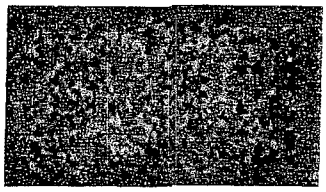


ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

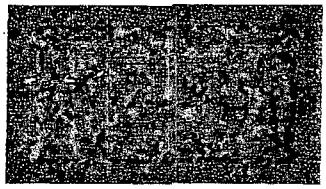
ANASAZI I.D. : 808013
ANALYST : DRK

SAMPLE ID. #	CLIENT I.D.	MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED	DIL. FACTOR
19	GBR-13 ✓	AQUEOUS	8/2/2008	NA	8/11/2008	5
20	GBR-11 ✓	AQUEOUS	8/2/2008	NA	8/10/2008	5
21	GBR-10 ✓	AQUEOUS	8/2/2008	NA	8/10/2008	5

PARAMETER	DET. LIMIT	UNITS	GBR-13	GBR-11	GBR-10
METHYL -t-BUTYL ETHER	2.5	UG/L	< 13	< 13	< 13
BENZENE	**0.5**	**UG/L**	< 2.5	**800 E**	**15**
TOLUENE	0.5	UG/L	< 2.5	< 2.5	< 2.5
ETHYLBENZENE	**0.5**	**UG/L**	< 2.5	**380**	**160**
TOTAL XYLENES	2.0	UG/L	< 10	< 10	< 10
CHLOROMETHANE	1.0	UG/L	< 5.0	< 5.0	< 5.0
VINYL CHLORIDE	0.5	UG/L	< 2.5	< 2.5	< 2.5
BROMOMETHANE	1.0	UG/L	< 5.0	< 5.0	< 5.0
CHLOROETHANE	1.0	UG/L	< 5.0	< 5.0	< 5.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 1.0	< 1.0	< 1.0
1,1-DICHLOROETHENE	0.2	UG/L	< 1.0	< 1.0	< 1.0
METHYLENE CHLORIDE	2.0	UG/L	< 10	< 10	< 10
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 5.0	< 5.0	< 5.0
1,1-DICHLOROETHANE	0.3	UG/L	< 1.5	< 1.5	< 1.5
CHLOROFORM	0.5	UG/L	< 2.5	< 2.5	< 2.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 2.5	< 2.5	< 2.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 5.0	< 5.0	< 5.0
CARBON TETRACHLORIDE	0.2	UG/L	< 1.0	< 1.0	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 1.0	< 1.0	< 1.0
TRICHLOROETHENE	0.3	UG/L	< 1.5	< 1.5	< 1.5
BROMODICHLOROMETHANE	0.2	UG/L	< 1.0	< 1.0	< 1.0
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 1.0	< 1.0	< 1.0
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 1.0	< 1.0	< 1.0
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 1.0	< 1.0	< 1.0
DIBROMOCHLOROMETHANE	0.2	UG/L	< 1.0	< 1.0	< 1.0
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 2.5	< 2.5	< 2.5
TETRACHLOROETHENE	0.5	UG/L	< 2.5	< 2.5	< 2.5
CHLOROBENZENE	0.5	UG/L	< 2.5	< 2.5	< 2.5
BROMOFORM	0.2	UG/L	< 1.0	< 1.0	< 1.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 2.5	< 2.5	< 2.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 2.5	< 2.5	< 2.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 2.5	< 2.5	< 2.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 2.5	< 2.5	< 2.5
SURROGATE:					
TRIFLUOROTOLUENE (%)			96	96	84
SURROGATE LIMITS	(70 - 130)				
1,4-DICHLOROBUTANE (%)			98	100	102
SURROGATE LIMITS	(70 - 130)				

CHEMIST NOTES:
E = Estimated value. This compound exceeded the calibration range.

SAMPLE	DATE	DATE	DATE	DIL.



ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS

TEST : EPA 601/602
CLIENT : LODESTAR
PROJECT # : (NONE)
PROJECT NAME : GBR

ANASAZI I.D. : 808013
ANALYST : DRK

ID. #	CLIENT I.D.	MATRIX	SAMPLED	EXTRACTED	ANALYZED	FACTOR
22	GBR-8 √	AQUEOUS	8/2/2008	NA	8/10/2008	5

PARAMETER	DET. LIMIT	UNITS	GBR-8
METHYL -t-BUTYL ETHER	2.5	UG/L	< 13
BENZENE	**0.5**	**UG/L**	**3.8**
TOLUENE	0.5	UG/L	< 2.5
ETHYLBENZENE	**0.5**	**UG/L**	**3.7**
TOTAL XYLENES	2.0	UG/L	< 10
CHLOROMETHANE	1.0	UG/L	< 5.0
VINYL CHLORIDE	0.5	UG/L	< 2.5
BROMOMETHANE	1.0	UG/L	< 5.0
CHLOROETHANE	1.0	UG/L	< 5.0
TRICHLOROFLUOROMETHANE	0.2	UG/L	< 1.0
1,1-DICHLOROETHENE	0.2	UG/L	< 1.0
METHYLENE CHLORIDE	2.0	UG/L	< 10
TRANS-1,2-DICHLOROETHENE	1.0	UG/L	< 5.0
1,1-DICHLOROETHANE	0.3	UG/L	< 1.5
CHLOROFORM	0.5	UG/L	< 2.5
1,2-DICHLOROETHANE (EDC)	0.5	UG/L	< 2.5
1,1,1-TRICHLOROETHANE	1.0	UG/L	< 5.0
CARBON TETRACHLORIDE	0.2	UG/L	< 1.0
1,2-DICHLOROPROPANE	0.2	UG/L	< 1.0
TRICHLOROETHENE	0.3	UG/L	< 1.5
BROMODICHLOROMETHANE	0.2	UG/L	< 1.0
CIS-1,3-DICHLOROPROPENE	0.2	UG/L	< 1.0
TRANS-1,3-DICHLOROPROPENE	0.2	UG/L	< 1.0
1,1,2-TRICHLOROETHANE	0.2	UG/L	< 1.0
DIBROMOCHLOROMETHANE	0.2	UG/L	< 1.0
1,2-DIBROMOETHANE (EDB)	0.5	UG/L	< 2.5
TETRACHLOROETHENE	0.5	UG/L	< 2.5
CHLOROBENZENE	0.5	UG/L	< 2.5
BROMOFORM	0.2	UG/L	< 1.0
1,1,2,2-TETRACHLOROETHANE	0.5	UG/L	< 2.5
1,3-DICHLOROBENZENE	0.5	UG/L	< 2.5
1,4-DICHLOROBENZENE	0.5	UG/L	< 2.5
1,2-DICHLOROBENZENE	0.5	UG/L	< 2.5
SURROGATE:			
TRIFLUOROTOLUENE (%)			90
SURROGATE LIMITS	(70 - 130)		
1,4-DICHLOROBUTANE (%)			102
SURROGATE LIMITS	(70 - 130)		

CHEMIST NOTES:
N/A

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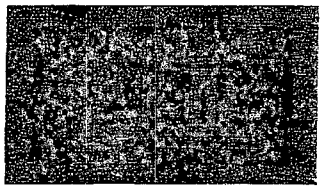

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602	ANASAZI I.D.	: 808013
BLANK I.D.	: 080708H1	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 8/7/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	ANALYST	: DRK

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	<2.5
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
CHLOROMETHANE	UG/L	<1.0
VINYL CHLORIDE	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CHLOROETHANE	UG/L	<0.5
TRICHLOROFLUOROMETHANE	UG/L	<0.2
1,1-DICHLOROETHENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,1-DICHLOROETHANE	UG/L	<0.3
CHLOROFORM	UG/L	<0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
1,2-DICHLOROPROPANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
BROMODICHLOROMETHANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
1,1,2-TRICHLOROETHANE	UG/L	<0.2
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
CHLOROBENZENE	UG/L	<0.5
BROMOFORM	UG/L	<0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1.2-DICHLOROBENZENE	UG/L	<0.5

SURROGATE:		
TRICHLOROTOLUENE (%)		99
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE (%)		103
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
N/A

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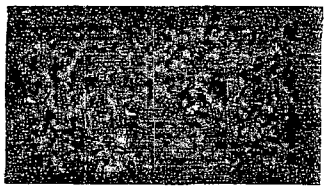

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602	ANASAZI I.D.	: 808013
BLANK I.D.	: 081008H2	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 8/10/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	ANALYST	: DRK

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	<2.5
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
CHLOROMETHANE	UG/L	<1.0
VINYL CHLORIDE	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CHLOROETHANE	UG/L	<0.5
TRICHLOROFLUOROMETHANE	UG/L	<0.2
1,1-DICHLOROETHENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,1-DICHLOROETHANE	UG/L	<0.3
CHLOROFORM	UG/L	<0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
1,2-DICHLOROPROPANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
BROMODICHLOROMETHANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
1,1,2-TRICHLOROETHANE	UG/L	<0.2
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
CHLOROBENZENE	UG/L	<0.5
BROMOFORM	UG/L	<0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,2-DICHLOROBENZENE	UG/L	<0.5

SURROGATE:		
TRICHLOROTOLUENE (%)		100
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE (%)		106
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
N/A

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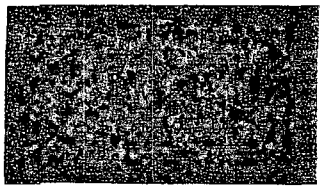

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY RESULTS
METHOD BLANK

TEST	: EPA 601/602	ANASAZI I.D.	: 808013
BLANK I.D.	: 081008H3	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 8/11/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	ANALYST	: DRK

PARAMETER	UNITS	
METHYL -t-BUTYL ETHER	UG/L	<2.5
BENZENE	UG/L	<0.5
TOLUENE	UG/L	<0.5
ETHYLBENZENE	UG/L	<0.5
TOTAL XYLENES	UG/L	<2.0
CHLOROMETHANE	UG/L	<1.0
VINYL CHLORIDE	UG/L	<0.5
BROMOMETHANE	UG/L	<1.0
CHLOROETHANE	UG/L	<0.5
TRICHLOROFLUOROMETHANE	UG/L	<0.2
1,1-DICHLOROETHENE	UG/L	<0.2
METHYLENE CHLORIDE	UG/L	<2.0
TRANS-1,2-DICHLOROETHENE	UG/L	<1.0
1,1-DICHLOROETHANE	UG/L	<0.3
CHLOROFORM	UG/L	<0.5
1,2-DICHLOROETHANE (EDC)	UG/L	<0.5
1,1,1-TRICHLOROETHANE	UG/L	<1.0
CARBON TETRACHLORIDE	UG/L	<0.2
1,2-DICHLOROPROPANE	UG/L	<0.2
TRICHLOROETHENE	UG/L	<0.3
BROMODICHLOROMETHANE	UG/L	<0.2
CIS-1,3-DICHLOROPROPENE	UG/L	<0.2
TRANS-1,3-DICHLOROPROPENE	UG/L	<0.2
1,1,2-TRICHLOROETHANE	UG/L	<0.2
DIBROMOCHLOROMETHANE	UG/L	<0.2
1,2-DIBROMOETHANE (EDB)	UG/L	<0.5
TETRACHLOROETHENE	UG/L	<0.5
CHLOROBENZENE	UG/L	<0.5
BROMOFORM	UG/L	<0.5
1,1,2,2-TETRACHLOROETHANE	UG/L	<0.5
1,3-DICHLOROBENZENE	UG/L	<0.5
1,4-DICHLOROBENZENE	UG/L	<0.5
1,2-DICHLOROBENZENE	UG/L	<0.5

SURROGATE:		
TRICHLOROTOLUENE (%)		100
SURROGATE LIMITS	(70 - 130)	
1,4-DICHLOROBUTANE (%)		102
SURROGATE LIMITS	(70 - 130)	

CHEMIST NOTES:
N/A

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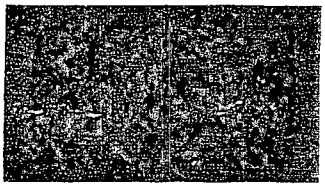

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 601/602	ANASAZI I.D.	: 808013
SAMPLE ID	: 808010-04 [2X]	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 8/7/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
METHYL -t-BUTYL ETHER	<2.5	4.0	2.87	72	3.97	99	**32 R**	(70 - 130)	20
BENZENE	<0.5	4.0	3.48	87	3.94	98	12	(39 - 150)	20
TOLUENE	<0.5	4.0	3.65	91	4.19	105	14	(46 - 148)	20
ETHYLBENZENE	<0.5	4.0	3.55	89	4.02	100	12	(32 - 160)	20
TOTAL XYLENES	<2.0	12	10.9	91	12.3	103	12	(80 - 120)	20
CHLOROMETHANE	<1.0	4.0	3.88	97	4.29	107	10	(D - 193)	20
VINYL CHLORIDE	<0.5	4.0	4.57	114	5.26	132	14	(28 - 163)	20
BROMOMETHANE	<1.0	4.0	3.75	94	4.38	109	15	(D - 144)	20
CHLOROETHANE	<0.5	4.0	3.02	75	3.31	83	9	(46 - 137)	20
TRICHLOROFLUOROMETHANE	<0.2	4.0	3.68	92	4.07	102	10	(21 - 156)	20
1,1-DICHLOROETHENE	<0.2	4.0	3.10	78	3.51	88	12	(28 - 167)	20
METHYLENE CHLORIDE	<2.0	4.0	1.98	50	2.06	51	4	(25 - 162)	20
TRANS-1,2-DICHLOROETHENE	<1.0	4.0	2.47	62	4.29	107	**54 R**	(38 - 155)	20
1,1-DICHLOROETHANE	<0.3	4.0	4.02	100	4.65	116	15	(47 - 132)	20
CHLOROFORM	<0.5	4.0	4.16	104	4.56	114	9	(49 - 133)	20
1,2-DICHLOROETHANE (EDC)	<0.5	4.0	4.17	104	4.78	120	14	(51 - 147)	20
1,1,1-TRICHLOROETHANE	<1.0	4.0	4.74	118	5.21	130	10	(41 - 138)	20
CARBON TETRACHLORIDE	<0.2	4.0	4.43	111	4.95	124	11	(43 - 143)	20
1,2-DICHLOROPROPANE	<0.2	4.0	4.35	109	5.03	126	15	(44 - 156)	20
TRICHLOROETHENE	<0.3	4.0	3.99	100	4.52	113	12	(35 - 146)	20
BROMODICHLOROMETHANE	<0.2	4.0	4.33	108	5.14	129	17	(42 - 172)	20
CIS-1,3-DICHLOROPROPENE	<0.2	4.0	4.42	110	5.04	126	13	(22 - 178)	20
TRANS-1,3-DICHLOROPROPENE	<0.2	4.0	4.42	110	5.36	134	19	(22 - 178)	20
1,1,2-TRICHLOROETHANE	<0.2	4.0	3.41	85	4.39	110	**25 R**	(39 - 136)	20
DIBROMOCHLOROMETHANE	<0.2	4.0	4.34	108	5.15	129	17	(24 - 191)	20
1,2-DIBROMOETHANE (EDB)	<0.5	4.0	3.90	98	4.64	116	17	(80 - 120)	20
TETRACHLOROETHENE	<0.5	4.0	4.01	100	4.67	117	15	(26 - 162)	20
CHLOROBENZENE	<0.5	4.0	3.99	100	4.87	122	20	(38 - 150)	20
BROMOFORM	<0.5	4.0	4.30	108	4.84	121	12	(13 - 159)	20
1,1,2,2-TETRACHLOROETHANE	<0.5	4.0	4.20	105	5.03	126	18	(8 - 184)	20
1,3-DICHLOROBENZENE	<0.5	4.0	3.95	99	4.46	112	12	(7 - 187)	20
1,4-DICHLOROBENZENE	<0.5	4.0	4.05	101	4.70	118	15	(42 - 143)	20
1,2-DICHLOROBENZENE	<0.5	4.0	3.70	93	4.51	113	20	(D - 208)	20

CHEMIST NOTES:
R = MS/MSD RPD is outside of PLI criteria - high.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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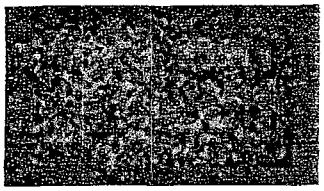

ANASAZI ENVIRONMENTAL SOLUTIONS

A Woman-Owned, Native-American Business

GAS CHROMATOGRAPHY QUALITY CONTROL
MS/MSD

TEST	: EPA 601/602	ANASAZI I.D.	: 808013
SAMPLE ID	: 808010-04 [2X]	DATE EXTRACTED	: NA
CLIENT	: LODESTAR	DATE ANALYZED	: 8/7/2008
PROJECT #	: (NONE)	SAMPLE MATRIX	: AQUEOUS
PROJECT NAME	: GBR	UNITS	: UG/L

PARAMETER	SAMPLE RESULT	CONC SPIKE	SPIKED SAMPLE	% REC	DUP SPIKE	DUP % REC	RPD	REC LIMITS	RPD LIMITS
METHYL -t-BUTYL ETHER	<2.5	4.0	2.87	72	3.97	99	**32 R**	(70 - 130)	20
BENZENE	<0.5	4.0	3.48	87	3.94	98	12	(39 - 150)	20
TOLUENE	<0.5	4.0	3.65	91	4.19	105	14	(46 - 148)	20
ETHYLBENZENE	<0.5	4.0	3.55	89	4.02	100	12	(32 - 160)	20
TOTAL XYLENES	<2.0	12	10.9	91	12.3	103	12	(80 - 120)	20
CHLOROMETHANE	<1.0	4.0	3.88	97	4.29	107	10	(D - 193)	20
VINYL CHLORIDE	<0.5	4.0	4.57	114	5.26	132	14	(28 - 163)	20
BROMOMETHANE	<1.0	4.0	3.75	94	4.38	109	15	(D - 144)	20
CHLOROETHANE	<0.5	4.0	3.02	75	3.31	83	9	(46 - 137)	20
TRICHLOROFLUOROMETHANE	<0.2	4.0	3.68	92	4.07	102	10	(21 - 156)	20
1,1-DICHLOROETHENE	<0.2	4.0	3.10	78	3.51	88	12	(28 - 167)	20
METHYLENE CHLORIDE	<2.0	4.0	1.98	50	2.06	51	4	(25 - 162)	20
TRANS-1,2-DICHLOROETHENE	<1.0	4.0	2.47	62	4.29	107	**54 R**	(38 - 155)	20
1,1-DICHLOROETHANE	<0.3	4.0	4.02	100	4.65	116	15	(47 - 132)	20
CHLOROFORM	<0.5	4.0	4.16	104	4.56	114	9	(49 - 133)	20
1,2-DICHLOROETHANE (EDC)	<0.5	4.0	4.17	104	4.78	120	14	(51 - 147)	20
1,1,1-TRICHLOROETHANE	<1.0	4.0	4.74	118	5.21	130	10	(41 - 138)	20
CARBON TETRACHLORIDE	<0.2	4.0	4.43	111	4.95	124	11	(43 - 143)	20
1,2-DICHLOROPROPANE	<0.2	4.0	4.35	109	5.03	126	15	(44 - 156)	20
TRICHLOROETHENE	<0.3	4.0	3.99	100	4.52	113	12	(35 - 146)	20
BROMODICHLOROMETHANE	<0.2	4.0	4.33	108	5.14	129	17	(42 - 172)	20
CIS-1,3-DICHLOROPROPENE	<0.2	4.0	4.42	110	5.04	126	13	(22 - 178)	20
TRANS-1,3-DICHLOROPROPENE	<0.2	4.0	4.42	110	5.36	134	19	(22 - 178)	20
1,1,2-TRICHLOROETHANE	<0.2	4.0	3.41	85	4.39	110	**25 R**	(39 - 136)	20
DIBROMOCHLOROMETHANE	<0.2	4.0	4.34	108	5.15	129	17	(24 - 191)	20
1,2-DIBROMOETHANE (EDB)	<0.5	4.0	3.90	98	4.64	116	17	(80 - 120)	20
TETRACHLOROETHENE	<0.5	4.0	4.01	100	4.67	117	15	(26 - 162)	20
CHLOROBENZENE	<0.5	4.0	3.99	100	4.87	122	20	(38 - 150)	20
BROMOFORM	<0.5	4.0	4.30	108	4.84	121	12	(13 - 159)	20
1,1,2,2-TETRACHLOROETHANE	<0.5	4.0	4.20	105	5.03	126	18	(8 - 184)	20
1,3-DICHLOROBENZENE	<0.5	4.0	3.95	99	4.46	112	12	(7 - 187)	20
1,4-DICHLOROBENZENE	<0.5	4.0	4.05	101	4.70	118	15	(42 - 143)	20
1,2-DICHLOROBENZENE	<0.5	4.0	3.70	93	4.51	113	20	(D - 208)	20

CHEMIST NOTES:
R = MS/MSD RPD is outside of PLI criteria - high.

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative Percent Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

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Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-39/ 808013-01

Lab Sample ID:	400-33107-1	Date Sampled:	08/01/2008 0759
Client Matrix:	Water	Date Received:	08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74227		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-74023		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/11/2008 2357			Final Weight/Volume:	50 mL
Date Prepared:	08/07/2008 1659				

Analyte	Result (mg/L)	Qualifier	RL
Calcium	250		0.50
Hardness	720		3.3
Magnesium	23		0.50
Potassium	12		1.0

Method:	6010B	Analysis Batch: 400-74303		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-74023		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	08/12/2008 2039			Final Weight/Volume:	50 mL
Date Prepared:	08/07/2008 1659				

Analyte	Result (mg/L)	Qualifier	RL
Sodium	350		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-15/ 808013-02

Lab Sample ID: 400-33107-2
Client Matrix: Water

Date Sampled: 08/01/2008 0855
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/13/2008 0018
Date Prepared: 08/11/2008 1011

Analysis Batch: 400-74303
Prep Batch: 400-74164

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	380		0.50
Hardness	1100		3.3
Magnesium	31		0.50
Potassium	10		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/13/2008 1952
Date Prepared: 08/11/2008 1011

Analysis Batch: 400-74389
Prep Batch: 400-74164

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	560		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-21D/ 808013-04

Lab Sample ID:	400-33107-4	Date Sampled:	08/01/2008 0946
Client Matrix:	Water	Date Received:	08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74227		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-74023		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/12/2008 0022			Final Weight/Volume:	50 mL
Date Prepared:	08/07/2008 1659				

Analyte	Result (mg/L)	Qualifier	RL
Calcium	260		0.50
Hardness	790		3.3
Magnesium	34		0.50
Potassium	10		1.0

Method:	6010B	Analysis Batch: 400-74303		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-74023		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	08/12/2008 2054			Final Weight/Volume:	50 mL
Date Prepared:	08/07/2008 1659				

Analyte	Result (mg/L)	Qualifier	RL
Sodium	570		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-34/ 808013-05

Lab Sample ID: 400-33107-5
Client Matrix: Water

Date Sampled: 08/01/2008 1028
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/12/2008 0026
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74227
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	210		0.50
Hardness	710		3.3
Magnesium	48		0.50

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/12/2008 2058
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74303
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Potassium	27		10
Sodium	690		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-35 /808013-06

Lab Sample ID: 400-33107-6
Client Matrix: Water

Date Sampled: 08/01/2008 1048
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74227	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 0031		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	190		0.50
Hardness	670		3.3
Magnesium	45		0.50
Potassium	12		1.0

Method:	6010B	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 2103		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	480		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GRW-10/ 808013-07

Lab Sample ID: 400-33107-7
Client Matrix: Water

Date Sampled: 08/01/2008 1207
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74164	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/13/2008 0039		Final Weight/Volume: 50 mL
Date Prepared:	08/11/2008 1011		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	370		0.50
Hardness	1000		3.3
Magnesium	26		0.50
Potassium	6.3		1.0

Method:	6010B	Analysis Batch: 400-74389	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74164	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/13/2008 2002		Final Weight/Volume: 50 mL
Date Prepared:	08/11/2008 1011		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	500		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-51/ 808013-08

Lab Sample ID: 400-33107-8
Client Matrix: Water

Date Sampled: 08/01/2008 1250
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74227	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 0036		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	350		0.50
Hardness	1000		3.3
Magnesium	29		0.50
Potassium	1.7		1.0

Method:	6010B	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 2108		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	320		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-52/ 808013-09

Lab Sample ID: 400-33107-9
Client Matrix: Water

Date Sampled: 08/01/2008 1350
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/12/2008 0041
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74227
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Magnesium	35		0.50
Potassium	1.9		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/12/2008 2113
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74303
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	470		5.0
Hardness	1300		33
Sodium	330		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-5/ 808013-10

Lab Sample ID: 400-33107-10
Client Matrix: Water

Date Sampled: 08/01/2008 1420
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74227	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 0057		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	120		0.50
Hardness	410		3.3
Magnesium	26		0.50
Potassium	2.6		1.0

Method:	6010B	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 2118		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	430		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-7/ 808013-11

Lab Sample ID: 400-33107-11
Client Matrix: Water

Date Sampled: 08/01/2008 1431
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/13/2008 0044
Date Prepared: 08/11/2008 1011

Analysis Batch: 400-74303
Prep Batch: 400-74164

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	140		0.50
Hardness	450		3.3
Magnesium	24		0.50
Potassium	1.2		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/13/2008 2007
Date Prepared: 08/11/2008 1011

Analysis Batch: 400-74389
Prep Batch: 400-74164

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	440		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-20/ 808013-12

Lab Sample ID: 400-33107-12
Client Matrix: Water

Date Sampled: 08/01/2008 1511
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74227	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 0102		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	84		0.50
Hardness	310		3.3
Magnesium	25		0.50
Potassium	1.9		1.0

Method:	6010B	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 2123		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	450		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-9/ 808013-13

Lab Sample ID: 400-33107-13
Client Matrix: Water

Date Sampled: 08/01/2008 1535
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/12/2008 0107
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74227
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	44		0.50
Hardness	150		3.3
Magnesium	11		0.50
Potassium	14		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/12/2008 2139
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74303
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	480		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-31/ 808013-15

Lab Sample ID: 400-33107-14
Client Matrix: Water

Date Sampled: 08/02/2008 0834
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74227	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 0112		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	380		0.50
Hardness	1100		3.3
Magnesium	33		0.50
Potassium	5.7		1.0

Method:	6010B	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 2144		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	430		10

Analytical Data

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-33/ 808013-16

Lab Sample ID: 400-33107-15
Client Matrix: Water

Date Sampled: 08/02/2008 0908
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/12/2008 0117
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74227
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	370		0.50
Hardness	1100		3.3
Magnesium	36		0.50
Potassium	5.8		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/12/2008 2149
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74303
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	560		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-40/ 808013-17

Lab Sample ID: 400-33107-16
Client Matrix: Water

Date Sampled: 08/02/2008 0931
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/12/2008 0121
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74227
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	250		0.50
Hardness	1200		3.3
Magnesium	130		0.50
Potassium	11		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/12/2008 2153
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74303
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	620		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-41/ 808013-18

Lab Sample ID: 400-33107-17
Client Matrix: Water

Date Sampled: 08/02/2008 0947
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/12/2008 0126
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74227
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	170		0.50
Hardness	580		3.3
Magnesium	40		0.50
Potassium	2.7		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/12/2008 2158
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74303
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	360		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-13/808013-19

Lab Sample ID: 400-33107-18
Client Matrix: Water

Date Sampled: 08/02/2008 1015
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74227	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	1.0		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 0131		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Calcium	240		0.50
Hardness	750		3.3
Magnesium	38		0.50
Potassium	3.8		1.0

Method:	6010B	Analysis Batch: 400-74303	Instrument ID: ICP-AES
Preparation:	3010A	Prep Batch: 400-74023	Lab File ID: N/A
Dilution:	10		Initial Weight/Volume: 50 mL
Date Analyzed:	08/12/2008 2203		Final Weight/Volume: 50 mL
Date Prepared:	08/07/2008 1659		

Analyte	Result (mg/L)	Qualifier	RL
Sodium	470		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-11/ 808013-20

Lab Sample ID: 400-33107-19
Client Matrix: Water

Date Sampled: 08/02/2008 1041
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/12/2008 0136
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74227
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	100		0.50
Hardness	320		3.3
Magnesium	18		0.50
Potassium	10		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/12/2008 2208
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74303
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	400		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-10/ 808013-21

Lab Sample ID: 400-33107-20
Client Matrix: Water

Date Sampled: 08/02/2008 1101
Date Received: 08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method: 6010B
Preparation: 3010A
Dilution: 1.0
Date Analyzed: 08/12/2008 0141
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74227
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Calcium	28		0.50
Hardness	280		3.3
Magnesium	52		0.50
Potassium	3.5		1.0

Method: 6010B
Preparation: 3010A
Dilution: 10
Date Analyzed: 08/12/2008 2213
Date Prepared: 08/07/2008 1659

Analysis Batch: 400-74303
Prep Batch: 400-74023

Instrument ID: ICP-AES
Lab File ID: N/A
Initial Weight/Volume: 50 mL
Final Weight/Volume: 50 mL

Analyte	Result (mg/L)	Qualifier	RL
Sodium	670		10

Client: Anasazi NM Holding

Job Number: 400-33107-1

Client Sample ID: GBR-8/ 808013-22

Lab Sample ID:	400-33107-21	Date Sampled:	08/02/2008 1115
Client Matrix:	Water	Date Received:	08/06/2008 0940

6010B Inductively Coupled Plasma - Atomic Emission Spectrometry

Method:	6010B	Analysis Batch: 400-74303		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-74005		Lab File ID:	N/A
Dilution:	1.0			Initial Weight/Volume:	50 mL
Date Analyzed:	08/12/2008 1759			Final Weight/Volume:	50 mL
Date Prepared:	08/07/2008 1105				

Analyte	Result (mg/L)	Qualifier	RL
Calcium	94		0.50
Hardness	340		3.3
Magnesium	24		0.50
Potassium	1.7		1.0

Method:	6010B	Analysis Batch: 400-74303		Instrument ID:	ICP-AES
Preparation:	3010A	Prep Batch: 400-74005		Lab File ID:	N/A
Dilution:	10			Initial Weight/Volume:	50 mL
Date Analyzed:	08/12/2008 1804			Final Weight/Volume:	50 mL
Date Prepared:	08/07/2008 1105				

Analyte	Result (mg/L)	Qualifier	RL
Sodium	430		10

General Chemistry

Client Sample ID: GBR-39/ 808013-01

Lab Sample ID: 400-33107-1
Client Matrix: Water

Date Sampled: 08/01/2008 0759
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Bicarbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Chloride	360		mg/L	10	5.0	325.2
Anly Batch: 400-74497	Date Analyzed 08/15/2008 0941					
Sulfate	1100		mg/L	250	50	375.4
Anly Batch: 400-74539	Date Analyzed 08/15/2008 1030					

Analyte	Result	Qual	Units	Dil	Method
pH	5.86	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1415				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3000		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	2100		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-15/ 808013-02

Lab Sample ID: 400-33107-2
Client Matrix: Water

Date Sampled: 08/01/2008 0855
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	330		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Bicarbonate Alkalinity as CaCO3	330		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Chloride	120		mg/L	4.0	2.0	325.2
Anly Batch: 400-74497	Date Analyzed 08/15/2008 0915					
Sulfate	1700		mg/L	500	99	375.4
Anly Batch: 400-74539	Date Analyzed 08/15/2008 1008					

Analyte	Result	Qual	Units	Dil	Method
pH	7.11	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1418				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4000		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	3000		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-26/ 808013-03

Lab Sample ID: 400-33107-3
Client Matrix: Water

Date Sampled: 08/01/2008 0914
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	830		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Bicarbonate Alkalinity as CaCO3	820		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Carbonate Alkalinity as CaCO3	1.3		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Chloride	200		mg/L	10	5.0	325.2
Anly Batch: 400-74497	Date Analyzed 08/15/2008 0941					
Sulfate	310		mg/L	50	10	375.4
Anly Batch: 400-74539	Date Analyzed 08/15/2008 1030					

Analyte	Result	Qual	Units	Dil	Method
pH	6.94	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1419				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2600		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	1600		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-21D/ 808013-04

Lab Sample ID: 400-33107-4
Client Matrix: Water

Date Sampled: 08/01/2008 0946
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	430		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Bicarbonate Alkalinity as CaCO3	430		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/12/2008 1650					
Chloride	360		mg/L	10	5.0	325.2
Anly Batch: 400-74497	Date Analyzed 08/15/2008 0941					
Sulfate	960		mg/L	250	50	375.4
Anly Batch: 400-74539	Date Analyzed 08/15/2008 1030					

Analyte	Result	Qual	Units	Dil	Method
pH	7.10	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1420				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3700		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	2100		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-34/ 808013-05

Lab Sample ID: 400-33107-5
Client Matrix: Water

Date Sampled: 08/01/2008 1028
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	1300		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed 08/13/2008 0810			
Bicarbonate Alkalinity as CaCO3	1300		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed 08/13/2008 0810			
Carbonate Alkalinity as CaCO3	1.8		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed 08/13/2008 0810			
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed 08/13/2008 0810			
Chloride	380		mg/L	10	5.0	325.2
	Anly Batch: 400-74497		Date Analyzed 08/15/2008 0941			
Sulfate	<5.0		mg/L	5.0	1.0	375.4
	Anly Batch: 400-74539		Date Analyzed 08/15/2008 1020			

Analyte	Result	Qual	Units	Dil	Method
pH	7.03	HF	SU	1.0	150.1
	Anly Batch: 400-74270		Date Analyzed 08/07/2008 1420		

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3500		umhos/cm	5.0	1.0	120.1
	Anly Batch: 400-74329		Date Analyzed 08/07/2008 1540			
Total Dissolved Solids	2000		mg/L	5.0	1.0	160.1
	Anly Batch: 400-74057		Date Analyzed 08/07/2008 1703			

General Chemistry

Client Sample ID: **GBR-35 /808013-06**

Lab Sample ID: 400-33107-6
Client Matrix: Water

Date Sampled: 08/01/2008 1048
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	1500		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Bicarbonate Alkalinity as CaCO3	1500		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Carbonate Alkalinity as CaCO3	2.4		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Chloride	220		mg/L	10	5.0	325.2
Anly Batch: 400-74497	Date Analyzed 08/15/2008 0941					
Sulfate	27		mg/L	10	2.0	375.4
Anly Batch: 400-74539	Date Analyzed 08/15/2008 1037					

Analyte	Result	Qual	Units	Dil	Method
pH	7.01	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1421				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2900		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	1600		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: **GRW-10/ 808013-07**

Lab Sample ID: 400-33107-7
Client Matrix: Water

Date Sampled: 08/01/2008 1207
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units		RL	Dil	Method
Alkalinity, Total	220		mg/L		1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed	08/13/2008 0810			
Bicarbonate Alkalinity as CaCO3	220		mg/L		1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed	08/13/2008 0810			
Carbonate Alkalinity as CaCO3	<1.0		mg/L		1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed	08/13/2008 0810			
Hydroxide Alkalinity	<1.0		mg/L		1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed	08/13/2008 0810			
Chloride	83		mg/L		2.0	1.0	325.2
	Anly Batch: 400-74497		Date Analyzed	08/15/2008 0908			
Sulfate	1800		mg/L		500	100	375.4
	Anly Batch: 400-74539		Date Analyzed	08/15/2008 0953			

Analyte	Result	Qual	Units		Dil	Method
pH	7.18	HF	SU		1.0	150.1
	Anly Batch: 400-74270		Date Analyzed	08/07/2008 1423		

Analyte	Result	Qual	Units		RL	Dil	Method
Specific Conductance	3800		umhos/cm		5.0	1.0	120.1
	Anly Batch: 400-74329		Date Analyzed	08/07/2008 1540			
Total Dissolved Solids	2800		mg/L		5.0	1.0	160.1
	Anly Batch: 400-74057		Date Analyzed	08/07/2008 1703			

Client: Anasazi NM Holding

Job Number: 400-33107-1

General Chemistry

Client Sample ID: GBR-51/ 808013-08

Lab Sample ID: 400-33107-8
Client Matrix: Water

Date Sampled: 08/01/2008 1250
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	220		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Bicarbonate Alkalinity as CaCO3	220		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Chloride	57		mg/L	2.0	1.0	325.2
Anly Batch: 400-74497	Date Analyzed 08/15/2008 0908					
Sulfate	1500		mg/L	500	100	375.4
Anly Batch: 400-74539	Date Analyzed 08/15/2008 0953					

Analyte	Result	Qual	Units	Dil	Method
pH	7.22	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1424				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3100		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	2400		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-52/ 808013-09

Lab Sample ID: 400-33107-9
Client Matrix: Water

Date Sampled: 08/01/2008 1350
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	210		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Bicarbonate Alkalinity as CaCO3	210		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Chloride	64		mg/L	2.0	1.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1123					
Sulfate	1700		mg/L	500	100	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1133					

Analyte	Result	Qual	Units	Dil	Method
pH	7.34	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1426				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3400		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	2600		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-5/ 808013-10

Lab Sample ID: 400-33107-10
Client Matrix: Water

Date Sampled: 08/01/2008 1420
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	880		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Bicarbonate Alkalinity as CaCO3	880		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Carbonate Alkalinity as CaCO3	2.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Chloride	83		mg/L	2.0	1.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1123					
Sulfate	360		mg/L	100	20	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1237					

Analyte	Result	Qual	Units	Dil	Method
pH	7.39	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1427				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2400		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	1500		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-7/ 808013-11

Lab Sample ID: 400-33107-11
Client Matrix: Water

Date Sampled: 08/01/2008 1431
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	820		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Bicarbonate Alkalinity as CaCO3	820		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Carbonate Alkalinity as CaCO3	2.6		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Chloride	96		mg/L	2.0	1.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1123					
Sulfate	400		mg/L	100	20	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1249					

Analyte	Result	Qual	Units	Dil	Method
pH	7.50	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1429				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2400		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	1600		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-20/ 808013-12

Lab Sample ID: 400-33107-12
Client Matrix: Water

Date Sampled: 08/01/2008 1511
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	1100		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed 08/13/2008 0810			
Bicarbonate Alkalinity as CaCO3	1100		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed 08/13/2008 0810			
Carbonate Alkalinity as CaCO3	17		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed 08/13/2008 0810			
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
	Anly Batch: 400-74491		Date Analyzed 08/13/2008 0810			
Chloride	83		mg/L	2.0	1.0	325.2
	Anly Batch: 400-74538		Date Analyzed 08/15/2008 1123			
Sulfate	91		mg/L	25	5.0	375.4
	Anly Batch: 400-74553		Date Analyzed 08/15/2008 1254			

Analyte	Result	Qual	Units	Dil	Method
pH	7.50	HF	SU	1.0	150.1
	Anly Batch: 400-74270		Date Analyzed 08/07/2008 1433		

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2200		umhos/cm	5.0	1.0	120.1
	Anly Batch: 400-74329		Date Analyzed 08/07/2008 1540			
Total Dissolved Solids	1300		mg/L	5.0	1.0	160.1
	Anly Batch: 400-74057		Date Analyzed 08/07/2008 1703			

General Chemistry

Client Sample ID: GBR-9/ 808013-13

Lab Sample ID: 400-33107-13
Client Matrix: Water

Date Sampled: 08/01/2008 1535
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	550		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Bicarbonate Alkalinity as CaCO3	550		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Carbonate Alkalinity as CaCO3	3.8		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Chloride	94		mg/L	2.0	1.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1123					
Sulfate	230		mg/L	50	10	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1252					

Analyte	Result	Qual	Units	Dil	Method
pH	8.04	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1435				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2000		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	1300		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-31/ 808013-15

Lab Sample ID: 400-33107-14
Client Matrix: Water

Date Sampled: 08/02/2008 0834
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	250		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Bicarbonate Alkalinity as CaCO3	250		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74491	Date Analyzed 08/13/2008 0810					
Chloride	84		mg/L	2.0	1.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1231					
Sulfate	1700		mg/L	500	100	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1224					

Analyte	Result	Qual	Units	Dil	Method
pH	7.16	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1436				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3600		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	2700		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-33/ 808013-16

Lab Sample ID: 400-33107-15
Client Matrix: Water

Date Sampled: 08/02/2008 0908
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	290		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Bicarbonate Alkalinity as CaCO3	290		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Chloride	210		mg/L	10	5.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1324					
Sulfate	1700		mg/L	500	100	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1316					

Analyte	Result	Qual	Units	Dil	Method
pH	7.17	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1437				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4300		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	2600		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: **GBR-40/ 808013-17**

Lab Sample ID: 400-33107-16
Client Matrix: Water

Date Sampled: 08/02/2008 0931
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	910		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Bicarbonate Alkalinity as CaCO3	910		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Carbonate Alkalinity as CaCO3	1.8		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Chloride	420		mg/L	10	5.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1324					
Sulfate	910		mg/L	250	50	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1447					

Analyte	Result	Qual	Units	Dil	Method
pH	7.22	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1438				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	4600		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	2900		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-41/ 808013-18

Lab Sample ID: 400-33107-17
Client Matrix: Water

Date Sampled: 08/02/2008 0947
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	550		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Bicarbonate Alkalinity as CaCO3	550		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Chloride	140		mg/L	4.0	2.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1324					
Sulfate	710		mg/L	250	50	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1707					

Analyte	Result	Qual	Units	Dil	Method
pH	6.62	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1440				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2600		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	1800		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-13/808013-19

Lab Sample ID: 400-33107-18
Client Matrix: Water

Date Sampled: 08/02/2008 1015
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	740		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Bicarbonate Alkalinity as CaCO3	740		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Carbonate Alkalinity as CaCO3	1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Chloride	110		mg/L	4.0	2.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1324					
Sulfate	940		mg/L	250	50	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1504					

Analyte	Result	Qual	Units	Dil	Method
pH	7.07	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1441				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	3100		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	2200		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: **GBR-11/ 808013-20**

Lab Sample ID: 400-33107-19
Client Matrix: Water

Date Sampled: 08/02/2008 1041
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	520		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Bicarbonate Alkalinity as CaCO3	520		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Carbonate Alkalinity as CaCO3	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Chloride	450		mg/L	10	5.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1324					
Sulfate	<5.0		mg/L	5.0	1.0	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1444					

Analyte	Result	Qual	Units	Dil	Method
pH	6.50	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1442				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2400		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	1500		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: GBR-10/ 808013-21

Lab Sample ID: 400-33107-20
Client Matrix: Water

Date Sampled: 08/02/2008 1101
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	1600		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Bicarbonate Alkalinity as CaCO3	1500		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Carbonate Alkalinity as CaCO3	12		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Chloride	69		mg/L	2.0	1.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1231					
Sulfate	19		mg/L	5.0	1.0	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1444					

Analyte	Result	Qual	Units	Dil	Method
pH	7.82	HF	SU	1.0	150.1
Anly Batch: 400-74270	Date Analyzed 08/07/2008 1443				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2900		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74329	Date Analyzed 08/07/2008 1540					
Total Dissolved Solids	1700		mg/L	5.0	1.0	160.1
Anly Batch: 400-74057	Date Analyzed 08/07/2008 1703					

General Chemistry

Client Sample ID: **GBR-8/ 808013-22**

Lab Sample ID: 400-33107-21
Client Matrix: Water

Date Sampled: 08/02/2008 1115
Date Received: 08/06/2008 0940

Analyte	Result	Qual	Units	RL	Dil	Method
Alkalinity, Total	980		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Bicarbonate Alkalinity as CaCO3	980		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Carbonate Alkalinity as CaCO3	4.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Hydroxide Alkalinity	<1.0		mg/L	1.0	1.0	EPA 310.1
Anly Batch: 400-74512	Date Analyzed 08/13/2008 1530					
Chloride	89		mg/L	2.0	1.0	325.2
Anly Batch: 400-74538	Date Analyzed 08/15/2008 1231					
Sulfate	120		mg/L	25	5.0	375.4
Anly Batch: 400-74553	Date Analyzed 08/15/2008 1504					

Analyte	Result	Qual	Units	Dil	Method
pH	7.24	HF	SU	1.0	150.1
Anly Batch: 400-74271	Date Analyzed 08/07/2008 1445				

Analyte	Result	Qual	Units	RL	Dil	Method
Specific Conductance	2200		umhos/cm	5.0	1.0	120.1
Anly Batch: 400-74333	Date Analyzed 08/07/2008 1600					
Total Dissolved Solids	1400		mg/L	5.0	1.0	160.1
Anly Batch: 400-74111	Date Analyzed 08/08/2008 1535					

Cation-Anion Balance Worksheet

Accession Number: 808013-01

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity			
Chloride	360	0.02821	10.15560
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1100	0.02082	22.90200
Carbonate	0	0.03333	0.00000
Bi-Carbonate		0.01639	0.00000
	Total Anions =		**33.0576**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	250	0.04990	12.47500
Potassium	12	0.02558	0.30696
Magnesium	23	0.08229	1.89267
Sodium	350	0.04350	15.22500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**29.89963**

Anion/Cation Balance (% difference) = 5.0%

Total Anions+Cations =	2095 mg/l	(calculated)
Total Dissolved Solids =	2100 mg/l	(measured)
TDS/ion sum ratio =	1.00	
Electrical Cond =	3000 umh/cm	(measured)
TDS/EC ratio =	0.700	

Cation-Anion Balance Worksheet

Accession Number: 808013-02

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	330		
Chloride	120	0.02821	3.38520
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1700	0.02082	35.39400
Carbonate		0.03333	0.00000
Bi-Carbonate	330	0.01639	5.40870
	Total Anions =		**44.1879**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	380	0.04990	18.96200
Potassium	10	0.02558	0.25580
Magnesium	31	0.08229	2.55099
Sodium	560	0.04350	24.36000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**46.12879**

Anion/Cation Balance (% difference) =	2.1%	
Total Anions+Cations =	2999 mg/l	(calculated)
Total Dissolved Solids =	3000 mg/l	(measured)
TDS/ion sum ratio =	1.00	
Electrical Cond =	4000 umh/cm	(measured)
TDS/EC ratio =	0.750	

Cation-Anion Balance Worksheet

Accession Number: 808013-03

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	830		
Chloride	200	0.02821	5.64200
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	310	0.02082	6.45420
Carbonate	1.3	0.03333	0.04333
Bi-Carbonate	820	0.01639	13.43980
	Total Anions =		**25.579329**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	200	0.04990	9.98000
Potassium	5	0.02558	0.12790
Magnesium	27	0.08229	2.22183
Sodium	380	0.04350	16.53000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**28.85973**

Anion/Cation Balance (% difference) =	6.0%		
Total Anions+Cations =	1620	mg/l	(calculated)
Total Dissolved Solids =	1600	mg/l	(measured)
TDS/ion sum ratio =	0.99		
Electrical Cond =	2600	umh/cm	(measured)
TDS/EC ratio =	0.615		

Cation-Anion Balance Worksheet

Accession Number: 808013-04

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	430		
Chloride	360	0.02821	10.15560
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	960	0.02082	19.98720
Carbonate		0.03333	0.00000
Bi-Carbonate	430	0.01639	7.04770
	Total Anions =		**37.1905**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	260	0.04990	12.97400
Potassium	10	0.02558	0.25580
Magnesium	34	0.08229	2.79786
Sodium	570	0.04350	24.79500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**40.82266**

Anion/Cation Balance (% difference) =	4.7%		
Total Anions+Cations =	2452	mg/l	(calculated)
Total Dissolved Solids =	2100	mg/l	(measured)
TDS/ion sum ratio =	0.86		
Electrical Cond =	3700	umh/cm	(measured)
TDS/EC ratio =	0.568		

Cation-Anion Balance Worksheet

Accession Number: 808013-05

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1300		
Chloride	380	0.02821	10.71980
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate		0.02082	0.00000
Carbonate	1.8	0.03333	0.05999
Bi-Carbonate	1300	0.01639	21.30700
	Total Anions =		**32.086794**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	210	0.04990	10.47900
Potassium	27	0.02558	0.69066
Magnesium	48	0.08229	3.94992
Sodium	690	0.04350	30.01500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**45.13458**

Anion/Cation Balance (% difference) = 16.9%

Total Anions+Cations =	2135 mg/l	(calculated)
Total Dissolved Solids =	2000 mg/l	(measured)
TDS/ion sum ratio =	0.94	
Electrical Cond =	3500 umh/cm	(measured)
TDS/EC ratio =	0.571	

Cation-Anion Balance Worksheet

Accession Number: 808013-06

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1500		
Chloride	220	0.02821	6.20620
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	27	0.02082	0.56214
Carbonate	2.4	0.03333	0.07999
Bi-Carbonate	1500	0.01639	24.58500
	Total Anions =		**31.433332**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	190	0.04990	9.48100
Potassium	12	0.02558	0.30696
Magnesium	45	0.08229	3.70305
Sodium	480	0.04350	20.88000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**34.37101**

Anion/Cation Balance (% difference) =	4.5%	
Total Anions+Cations =	1874 mg/l	(calculated)
Total Dissolved Solids =	1600 mg/l	(measured)
TDS/ion sum ratio =	0.85	
Electrical Cond =	2900 umh/cm	(measured)
TDS/EC ratio =	0.552	

Cation-Anion Balance Worksheet

Accession Number: 808013-07

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	220		
Chloride	83	0.02821	2.34143
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1800	0.02082	37.47600
Carbonate		0.03333	0.00000
Bi-Carbonate	220	0.01639	3.60580
	Total Anions =		**43.42323**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	370	0.04990	18.46300
Potassium	6.3	0.02558	0.16115
Magnesium	26	0.08229	2.13954
Sodium	500	0.04350	21.75000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**42.513694**

Anion/Cation Balance (% difference) =	1.1%	
Total Anions+Cations =	2917 mg/l	(calculated)
Total Dissolved Solids =	2800 mg/l	(measured)
TDS/ion sum ratio =	0.96	
Electrical Cond =	3800 umh/cm	(measured)
TDS/EC ratio =	0.737	

Cation-Anion Balance Worksheet

Accession Number: 808013-08

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	220		
Chloride	57	0.02821	1.60797
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1500	0.02082	31.23000
Carbonate		0.03333	0.00000
Bi-Carbonate	220	0.01639	3.60580
	Total Anions =		**36.44377**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	350	0.04990	17.46500
Potassium	1.7	0.02558	0.04349
Magnesium	29	0.08229	2.38641
Sodium	320	0.04350	13.92000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**33.814896**

Anion/Cation Balance (% difference) =	3.7%	
Total Anions+Cations =	2390 mg/l	(calculated)
Total Dissolved Solids =	2400 mg/l	(measured)
TDS/ion sum ratio =	1.00	
Electrical Cond =	3100 umh/cm	(measured)
TDS/EC ratio =	0.774	

Cation-Anion Balance Worksheet

Accession Number: 808013-09

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	210		
Chloride	64	0.02821	1.80544
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1700	0.02082	35.39400
Carbonate		0.03333	0.00000
Bi-Carbonate	210	0.01639	3.44190
	Total Anions =		**40.64134**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	470	0.04990	23.45300
Potassium	1.9	0.02558	0.04860
Magnesium	35	0.08229	2.88015
Sodium	330	0.04350	14.35500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**40.736752**

Anion/Cation Balance (% difference) =	0.1%	
Total Anions+Cations =	2727 mg/l	(calculated)
Total Dissolved Solids =	2600 mg/l	(measured)
TDS/ion sum ratio =	0.95	
Electrical Cond =	3400 umh/cm	(measured)
TDS/EC ratio =	0.765	

Cation-Anion Balance Worksheet

Accession Number: 808013-10

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	880		
Chloride	83	0.02821	2.34143
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	360	0.02082	7.49520
Carbonate	2	0.03333	0.06666
Bi-Carbonate	880	0.01639	14.42320
	Total Anions =		**24.32649**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	120	0.04990	5.98800
Potassium	2.6	0.02558	0.06651
Magnesium	26	0.08229	2.13954
Sodium	430	0.04350	18.70500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**26.899048**

Anion/Cation Balance (% difference) =	5.0%	
Total Anions+Cations =	1550 mg/l	(calculated)
Total Dissolved Solids =	1500 mg/l	(measured)
TDS/ion sum ratio =	0.97	
Electrical Cond =	2400 umh/cm	(measured)
TDS/EC ratio =	0.625	

Cation-Anion Balance Worksheet

Accession Number: 808013-11

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	820		
Chloride	96	0.02821	2.70816
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	400	0.02082	8.32800
Carbonate	2.6	0.03333	0.08666
Bi-Carbonate	820	0.01639	13.43980
	Total Anions =		**24.562618**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	140	0.04990	6.98600
Potassium	1.2	0.02558	0.03070
Magnesium	24	0.08229	1.97496
Sodium	440	0.04350	19.14000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**28.131656**

Anion/Cation Balance (% difference) =	6.8%	
Total Anions+Cations =	1593 mg/l	(calculated)
Total Dissolved Solids =	1600 mg/l	(measured)
TDS/ion sum ratio =	1.00	
Electrical Cond =	2400 umh/cm	(measured)
TDS/EC ratio =	0.667	

Cation-Anion Balance Worksheet

Accession Number: 808013-12

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1100		
Chloride	83	0.02821	2.34143
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	91	0.02082	1.89462
Carbonate	17	0.03333	0.56661
Bi-Carbonate	1100	0.01639	18.02900
	Total Anions =		**22.83166**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	84	0.04990	4.19160
Potassium	1.9	0.02558	0.04860
Magnesium	25	0.08229	2.05725
Sodium	450	0.04350	19.57500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**25.872452**

Anion/Cation Balance (% difference) =	6.2%	
Total Anions+Cations =	1395 mg/l	(calculated)
Total Dissolved Solids =	1300 mg/l	(measured)
TDS/ion sum ratio =	0.93	
Electrical Cond =	2200 umh/cm	(measured)
TDS/EC ratio =	0.591	

Cation-Anion Balance Worksheet

Accession Number: 808013-13

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	550		
Chloride	94	0.02821	2.65174
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	230	0.02082	4.78860
Carbonate	3.8	0.03333	0.12665
Bi-Carbonate	550	0.01639	9.01450
	Total Anions =		**16.581494**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	44	0.04990	2.19560
Potassium	14	0.02558	0.35812
Magnesium	11	0.08229	0.90519
Sodium	480	0.04350	20.88000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**24.33891**

Anion/Cation Balance (% difference) =	19.0%	
Total Anions+Cations =	1203 mg/l	(calculated)
Total Dissolved Solids =	1300 mg/l	(measured)
TDS/ion sum ratio =	1.08	
Electrical Cond =	2000 umh/cm	(measured)
TDS/EC ratio =	0.650	

Cation-Anion Balance Worksheet

Accession Number: *808013-15*

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	250		
Chloride	84	0.02821	2.36964
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1700	0.02082	35.39400
Carbonate		0.03333	0.00000
Bi-Carbonate	250	0.01639	4.09750
	Total Anions =		**41.86114**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	380	0.04990	18.96200
Potassium	5.7	0.02558	0.14581
Magnesium	33	0.08229	2.71557
Sodium	430	0.04350	18.70500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**40.528376**

Anion/Cation Balance (% difference) =	1.6%	
Total Anions+Cations =	2783 mg/l	(calculated)
Total Dissolved Solids =	2700 mg/l	(measured)
TDS/ion sum ratio =	0.97	
Electrical Cond =	3600 umh/cm	(measured)
TDS/EC ratio =	0.750	

Cation-Anion Balance Worksheet

Accession Number: 808013-16

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	290		
Chloride	210	0.02821	5.92410
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	1700	0.02082	35.39400
Carbonate		0.03333	0.00000
Bi-Carbonate	290	0.01639	4.75310
	Total Anions =		**46.0712**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	370	0.04990	18.46300
Potassium	5.8	0.02558	0.14836
Magnesium	36	0.08229	2.96244
Sodium	560	0.04350	24.36000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**45.933804**

Anion/Cation Balance (% difference) =	0.1%	
Total Anions+Cations =	3056 mg/l	(calculated)
Total Dissolved Solids =	2600 mg/l	(measured)
TDS/ion sum ratio =	0.85	
Electrical Cond =	4300 umh/cm	(measured)
TDS/EC ratio =	0.605	

Cation-Anion Balance Worksheet

Accession Number: 808013-17

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	910		
Chloride	420	0.02821	11.84820
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	910	0.02082	18.94620
Carbonate	1.8	0.03333	0.05999
Bi-Carbonate	910	0.01639	14.91490
	Total Anions =		**45.769294**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	250	0.04990	12.47500
Potassium	11	0.02558	0.28138
Magnesium	130	0.08229	10.69770
Sodium	620	0.04350	26.97000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**50.42408**

Anion/Cation Balance (% difference) =	4.8%	
Total Anions+Cations =	2887 mg/l	(calculated)
Total Dissolved Solids =	2900 mg/l	(measured)
TDS/ion sum ratio =	1.00	
Electrical Cond =	4600 umh/cm	(measured)
TDS/EC ratio =	0.630	

Cation-Anion Balance Worksheet

Accession Number: 808013-18

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	550		
Chloride	140	0.02821	3.94940
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	710	0.02082	14.78220
Carbonate		0.03333	0.00000
Bi-Carbonate	550	0.01639	9.01450
	Total Anions =		**27.7461**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	170	0.04990	8.48300
Potassium	2.7	0.02558	0.06907
Magnesium	40	0.08229	3.29160
Sodium	360	0.04350	15.66000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**27.503666**

Anion/Cation Balance (% difference) =	0.4%	
Total Anions+Cations =	1753 mg/l	(calculated)
Total Dissolved Solids =	1800 mg/l	(measured)
TDS/ion sum ratio =	1.03	
Electrical Cond =	2600 umh/cm	(measured)
TDS/EC ratio =	0.692	

Cation-Anion Balance Worksheet

Accession Number: 808013-19

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	740		
Chloride	110	0.02821	3.10310
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	940	0.02082	19.57080
Carbonate	1	0.03333	0.03333
Bi-Carbonate	740	0.01639	12.12860
	Total Anions =		**34.83583**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	240	0.04990	11.97600
Potassium	3.8	0.02558	0.09720
Magnesium	38	0.08229	3.12702
Sodium	470	0.04350	20.44500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**35.645224**

Anion/Cation Balance (% difference) =	1.1%		
Total Anions+Cations =	2246	mg/l	(calculated)
Total Dissolved Solids =	2200	mg/l	(measured)
TDS/ion sum ratio =	0.98		
Electrical Cond =	3100	umh/cm	(measured)
TDS/EC ratio =	0.710		

Cation-Anion Balance Worksheet

Accession Number: 808013-20

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	520		
Chloride	450	0.02821	12.69450
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate		0.02082	0.00000
Carbonate		0.03333	0.00000
Bi-Carbonate	520	0.01639	8.52280
	Total Anions =		**21.2173**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	100	0.04990	4.99000
Potassium	10	0.02558	0.25580
Magnesium	18	0.08229	1.48122
Sodium	400	0.04350	17.40000
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**24.12702**

Anion/Cation Balance (% difference) =	6.4%	
Total Anions+Cations =	1290 mg/l	(calculated)
Total Dissolved Solids =	1500 mg/l	(measured)
TDS/ion sum ratio =	1.16	
Electrical Cond =	2400 umh/cm	(measured)
TDS/EC ratio =	0.625	

Cation-Anion Balance Worksheet

Accession Number: 808013-21

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	1600		
Chloride	69	0.02821	1.94649
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	19	0.02082	0.39558
Carbonate	12	0.03333	0.39996
Bi-Carbonate	1500	0.01639	24.58500
	Total Anions =		**27.32703**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	28	0.04990	1.39720
Potassium	3.5	0.02558	0.08953
Magnesium	52	0.08229	4.27908
Sodium	670	0.04350	29.14500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**34.91081**

Anion/Cation Balance (% difference) =	12.2%	
Total Anions+Cations =	1802 mg/l	(calculated)
Total Dissolved Solids =	1700 mg/l	(measured)
TDS/ion sum ratio =	0.94	
Electrical Cond =	2900 umh/cm	(measured)
TDS/EC ratio =	0.586	

Cation-Anion Balance Worksheet

Accession Number: 808013-22

Anions	Result (mg/l)	Factor	Total (me/l)
Alkalinity	980		
Chloride	89	0.02821	2.51069
Fluoride		0.05264	0.00000
Nitrate as N		0.01613	0.00000
Sulfate	120	0.02082	2.49840
Carbonate	4	0.03333	0.13332
Bi-Carbonate	980	0.01639	16.06220
	Total Anions =		**21.20461**

Cations	Result (mg/l)	Factor	Total (me/l)
Calcium	94	0.04990	4.69060
Potassium	1.7	0.02558	0.04349
Magnesium	24	0.08229	1.97496
Sodium	430	0.04350	18.70500
Copper		0.03147	0.00000
Iron		0.05372	0.00000
Manganese		0.03640	0.00000
Zinc		0.03059	0.00000
	Total Cations =		**25.414046**

Anion/Cation Balance (% difference) =	9.0%	
Total Anions+Cations =	1347 mg/l	(calculated)
Total Dissolved Solids =	1400 mg/l	(measured)
TDS/ion sum ratio =	1.04	
Electrical Cond =	2200 umh/cm	(measured)
TDS/EC ratio =	0.636	

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, November 21, 2008

Ashley Ager
Western Refining Southwest, Inc.
#50 CR 4990
Bloomfield, NM 87413

TEL: (970) 946-1093
FAX (505) 632-3911

RE: Giant Refinery Bloomfield

Order No.: 0811202

Dear Ashley Ager:

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 11/14/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

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

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. Date: *21-Nov-08*

CLIENT: Western Refining Southwest, Inc.
Project: Giant Refinery Bloomfield
Lab Order: 0811202

CASE NARRATIVE

Analytical Comments for METHOD 8021BTEX_W, SAMPLE 0811202-06A: necessary dilution for foamy matrix

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Nov-08*

CLIENT: Western Refining Southwest, Inc. **Lab Order:** 0811202
Project: Giant Refinery Bloomfield

Lab ID: 0811202-01 **Collection Date:** 11/11/2008 8:52:00 AM
Client Sample ID: SHS-9 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/20/2008 2:28:50 PM
Benzene	ND	1.0		µg/L	1	11/20/2008 2:28:50 PM
Toluene	ND	1.0		µg/L	1	11/20/2008 2:28:50 PM
Ethylbenzene	ND	1.0		µg/L	1	11/20/2008 2:28:50 PM
Xylenes, Total	ND	2.0		µg/L	1	11/20/2008 2:28:50 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 2:28:50 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 2:28:50 PM
Surr: 4-Bromofluorobenzene	98.0	65.9-130		%REC	1	11/20/2008 2:28:50 PM

Lab ID: 0811202-02 **Collection Date:** 11/11/2008 10:02:00 AM
Client Sample ID: SHS-8 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/20/2008 2:59:23 PM
Benzene	ND	1.0		µg/L	1	11/20/2008 2:59:23 PM
Toluene	ND	1.0		µg/L	1	11/20/2008 2:59:23 PM
Ethylbenzene	5.4	1.0		µg/L	1	11/20/2008 2:59:23 PM
Xylenes, Total	3.3	2.0		µg/L	1	11/20/2008 2:59:23 PM
1,2,4-Trimethylbenzene	6.0	1.0		µg/L	1	11/20/2008 2:59:23 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 2:59:23 PM
Surr: 4-Bromofluorobenzene	100	65.9-130		%REC	1	11/20/2008 2:59:23 PM

Lab ID: 0811202-03 **Collection Date:** 11/12/2008 8:18:00 AM
Client Sample ID: SHS-1 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/20/2008 3:29:59 PM
Benzene	ND	1.0		µg/L	1	11/20/2008 3:29:59 PM
Toluene	ND	1.0		µg/L	1	11/20/2008 3:29:59 PM
Ethylbenzene	ND	1.0		µg/L	1	11/20/2008 3:29:59 PM
Xylenes, Total	ND	2.0		µg/L	1	11/20/2008 3:29:59 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 3:29:59 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 3:29:59 PM
Surr: 4-Bromofluorobenzene	97.8	65.9-130		%REC	1	11/20/2008 3:29:59 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
RL	Reporting Limit

CLIENT: Western Refining Southwest, Inc. **Lab Order:** 0811202
Project: Giant Refinery Bloomfield

Lab ID: 0811202-04 **Collection Date:** 11/12/2008 9:02:00 AM
Client Sample ID: SHS-5 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/20/2008 4:00:27 PM
Benzene	ND	1.0		µg/L	1	11/20/2008 4:00:27 PM
Toluene	ND	1.0		µg/L	1	11/20/2008 4:00:27 PM
Ethylbenzene	ND	1.0		µg/L	1	11/20/2008 4:00:27 PM
Xylenes, Total	ND	2.0		µg/L	1	11/20/2008 4:00:27 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 4:00:27 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 4:00:27 PM
Surr: 4-Bromofluorobenzene	90.4	65.9-130		%REC	1	11/20/2008 4:00:27 PM

Lab ID: 0811202-05 **Collection Date:** 11/12/2008 11:07:00 AM
Client Sample ID: SHS-19 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/20/2008 4:30:44 PM
Benzene	ND	1.0		µg/L	1	11/20/2008 4:30:44 PM
Toluene	ND	1.0		µg/L	1	11/20/2008 4:30:44 PM
Ethylbenzene	ND	1.0		µg/L	1	11/20/2008 4:30:44 PM
Xylenes, Total	ND	2.0		µg/L	1	11/20/2008 4:30:44 PM
1,2,4-Trimethylbenzene	1.0	1.0		µg/L	1	11/20/2008 4:30:44 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 4:30:44 PM
Surr: 4-Bromofluorobenzene	96.4	65.9-130		%REC	1	11/20/2008 4:30:44 PM

Lab ID: 0811202-06 **Collection Date:** 11/12/2008 11:38:00 AM
Client Sample ID: SHS-2 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	2	11/20/2008 5:03:40 PM
Benzene	ND	2.0		µg/L	2	11/20/2008 5:03:40 PM
Toluene	ND	2.0		µg/L	2	11/20/2008 5:03:40 PM
Ethylbenzene	ND	2.0		µg/L	2	11/20/2008 5:03:40 PM
Xylenes, Total	ND	4.0		µg/L	2	11/20/2008 5:03:40 PM
1,2,4-Trimethylbenzene	ND	2.0		µg/L	2	11/20/2008 5:03:40 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	11/20/2008 5:03:40 PM
Surr: 4-Bromofluorobenzene	93.9	65.9-130		%REC	2	11/20/2008 5:03:40 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *21-Nov-08*

CLIENT: Western Refining Southwest, Inc. **Lab Order:** 0811202
Project: Giant Refinery Bloomfield

Lab ID: 0811202-07 **Collection Date:** 11/12/2008 1:00:00 PM
Client Sample ID: SHS-18 **Matrix:** AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/20/2008 10:38:17 PM
Benzene	ND	1.0		µg/L	1	11/20/2008 10:38:17 PM
Toluene	ND	1.0		µg/L	1	11/20/2008 10:38:17 PM
Ethylbenzene	ND	1.0		µg/L	1	11/20/2008 10:38:17 PM
Xylenes, Total	ND	2.0		µg/L	1	11/20/2008 10:38:17 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 10:38:17 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 10:38:17 PM
Surr: 4-Bromofluorobenzene	94.8	65.9-130		%REC	1	11/20/2008 10:38:17 PM

Lab ID: 0811202-08 **Collection Date:**
Client Sample ID: TRIP BLANK **Matrix:** TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/20/2008 11:08:37 PM
Benzene	ND	1.0		µg/L	1	11/20/2008 11:08:37 PM
Toluene	ND	1.0		µg/L	1	11/20/2008 11:08:37 PM
Ethylbenzene	ND	1.0		µg/L	1	11/20/2008 11:08:37 PM
Xylenes, Total	ND	2.0		µg/L	1	11/20/2008 11:08:37 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 11:08:37 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/20/2008 11:08:37 PM
Surr: 4-Bromofluorobenzene	92.6	65.9-130		%REC	1	11/20/2008 11:08:37 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Inc.
Project: Giant Refinery Bloomfield **Work Order:** 0811202

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31295**	Analysis Date:	11/20/2008 9:14:02 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31295**	Analysis Date:	11/20/2008 9:14:02 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R31295**	Analysis Date:	11/20/2008 7:36:03 PM	
Methyl tert-butyl ether (MTBE)	26.10	µg/L	2.5	131	51.2	138			
Benzene	21.67	µg/L	1.0	108	85.9	113			
Toluene	21.78	µg/L	1.0	107	86.4	113			
Ethylbenzene	21.53	µg/L	1.0	108	83.5	118			
Xylenes, Total	64.23	µg/L	2.0	107	83.4	122			
1,2,4-Trimethylbenzene	22.04	µg/L	1.0	110	83.5	115			
1,3,5-Trimethylbenzene	20.95	µg/L	1.0	105	85.2	113			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	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.

Sample Receipt Checklist

Client Name WESTERN REFINING SOUT | Date Received: 11/14/2008

Work Order Number 0811202 | Received by: TLS

Checklist completed by: Signature 11/14/08 Date | Sample ID labels checked by: Initials

Matrix: | Carrier name Greyhound

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	5°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Giant Industries

Bill Robertson

Address: 111 CR 4990

Bloomfield NM 87413

Phone #:

email or Fax#:

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: Giant Bloomfield Refinery

Project #:

Project Manager: Ashley Ager 970-946-1093

Sampler: Troy Urban

On Ice: ☒ Yes ☐ No

Sample Temperature: 5°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0811202	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Air Bubbles (Y or N)
111108	0852	SHS-9	40ml/3	$HgCl_2$	1	✓											
111108	1002	SHS-8	40ml/3	$HgCl_2$	2	✓											
111208	0818	SHS-1	40ml/3	$HgCl_2$	3	✓											
111208	0902	SHS-5	40ml/3	$HgCl_2$	4	✓											
111208	1107	SHS-19	40ml/3	$HgCl_2$	5	✓											
111208	1138	SHS-2	40ml/3	$HgCl_2$	6	✓											
111208	1300	SHS-18	40ml/3	$HgCl_2$	7	✓											
111108	0700	trip blank	40ml/2	$HgCl_2$	8	✓											

Date: 11/13/08 Time: 0835 Relinquished by: Troy Urban

Received by: 11/14/08 900

Date: Time: Relinquished by:

Received by:

Remarks: Please Copy results to AL'A @ lodestarservices.com

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