

GW - 003

**2004 MONITORING
REPORTS**

DATE:

02/01/2005

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GLW-003

ChevronTexaco

February 1, 2005

GLENN
Mr. Wayne Price
New Mexico Oil Conservation Division
1220 So. St. Francis Drive
Santa Fe, New Mexico 87505

**Subject: 2004 Annual Summary of Investigation and Remediation
ChevronTexaco Exploration & Production Company
Eunice #1 (South) Gas Plant, Lea County, New Mexico**

Dear Mr. Price:

Enclosed is the subject report for work completed at the Eunice South Gas Plant (Plant) by Highlander Environmental Corp. (Highlander) in 2004 to delineate, monitor and remediate impacts to groundwater at the Plant. Work completed to date includes:

- Hydrocarbon impacts beneath the west/central part of the Plant – The operation of recovery pumps previously installed in five wells for recovering phase separated hydrocarbons (PSH) from groundwater continued. In 2004, a soil vapor extraction (SVE) system was installed and connected to the same five recovery wells to further enhance remediation of the hydrocarbons both in the vadose zone and the ground water.
- Chloride impacts to groundwater beneath the east part of the Plant – Chloride impacted groundwater continued to be pumped from the aquifer using two deep recovery wells, with the recovered water being injected into Dynegy's on-site SWD well. In 2004, three additional fully penetrating monitor wells were installed to evaluate the existing remediation program.
- Hydrocarbon impacts to groundwater beneath east part of the Plant – Recovery of phase separated hydrocarbons continued from two wells.
- Semi-annual monitoring of groundwater.
- BTEX impacts to groundwater beneath the southwest corner of the Plant – Three monitor wells were installed to investigate an area with elevated BTEX levels in ground water that does not appear to be associated with areas of the Plant currently being remediated.

ChevronTexaco and Highlander are proceeding with plans for the following work in 2005:

- Hydrocarbon impacts beneath the west/central part of the Plant – Possible expansion of the SVE system will be considered for monitor wells with the highest dissolved-phase hydrocarbons.

- Chloride impacts to groundwater beneath the east part of the Plant – The installation of additional chloride recovery wells is being evaluated in order to expedite remediation work and control migration of the chlorides.
- BTEX impacts to groundwater beneath the southwest corner of the Plant – Evaluate data collected from investigation of the southwest area of the Plant, and determine if additional investigation is needed.
- Continue with semi-annual monitoring of groundwater.

Details on work completed to date and planned for this year are included in the enclosed report.

If you have any questions concerning this report or the on-going work, please call me at (432) 687-7318. Or you can contact Gary Miller or Tim Reed with Highlander at (432) 682-4559.

Sincerely,



SLT/

Enclosure

Cc: Mr. Chris Williams, NMOCD (with copy of report)
Mr. Gary Miller, Highlander (without copy of report)
Mr. Tim Reed, Highlander (without copy of report)

GW-003

2004 ANNUAL SUMMARY OF INVESTIGATION & REMEDIATION

CHEVRONTEXACO EXPLORATION & PRODUCTION

EUNICE #1 (SOUTH) GAS PLANT

LEA COUNTY, NEW MEXICO



**Prepared
for**

CHEVRONTEXACO EXPLORATION & PRODUCTION

JANUARY 2005



Highlander Environmental Corp.

Midland, Texas



Highlander Environmental Corp.

Midland, Texas

**2004 Annual Summary of Investigation & Remediation
ChevronTexaco Exploration & Production
Eunice #1 (South) Gas Plant
Lea County, New Mexico**

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Highlander Environmental Corp.

Midland, Texas

2004 ANNUAL SUMMARY OF INVESTIGATION & REMEDIATION ChevronTexaco Exploration & Production EUNICE #1 (SOUTH) GAS PLANT LEA COUNTY, NEW MEXICO

1.0 INTRODUCTION

Highlander Environmental Corp. (Highlander) has been retained by ChevronTexaco Exploration and Production Company (ChevronTexaco) as successor to Texaco Exploration and Production, Inc. (Texaco) to continue to monitor, delineate and remediate subsurface impacts to groundwater at the former Texaco Eunice #1 (South) Gas Plant (Site), located approximately 4.5 miles south of Eunice, New Mexico. The Site is situated in the northwest quarter (NW/4) of the southwest quarter (SW/4), Section 27, Township 22 South, Range 37 East, Lea County, New Mexico. Figure 1 presents a site location and topographic map.

The current activities arose from the "Subsurface Abatement Work Plan", approved by the NMOCD on March 4, 1998, for the Site. The Plan was requested by the State of New Mexico Energy, Minerals and Natural Resources Department, Oil Conservation Division (NMOCD) on September 10, 1997, following its review of the report titled, "A Final Investigation Report, Texaco Exploration and Production, Inc., Eunice # 1 (South) Gas Plant, July 1997". The report presented the results of subsurface investigation activities conducted at the Site, as required by the NMOCD in accordance with renewal of the facility's groundwater discharge permit.

1.1 Previous Investigation

Highlander was originally retained by Texaco to conduct subsurface investigations in conjunction with the renewal of the Site's Groundwater Discharge Plan. Previous investigations consisted of collection and analysis of soil samples from hand auger and rotary-drilled borings, installation of monitor wells, collection and analysis of groundwater samples, phase-separated hydrocarbon (free product) assessment, hydraulic conductivity (slug) tests and pumping tests. The results of these investigations have been documented in reports titled, "Subsurface Environmental Assessment, Texaco Exploration and Production, Inc, Eunice #1 (South) Gas Plant, Lea County, New Mexico", September 1996, and "Final Investigation Report, Texaco Exploration and Production, Inc., Eunice #1 (South) Gas Plant, Lea County, New Mexico, July 1997."

In the course of this investigation, several actions relating to operations of the Site have occurred that have impacted activities, primarily, the transfer of operation of the Site to Dynegy Midstream Services, L.P. (Dynegy), effective July 1, 1998. Conditions of the transfer designated Texaco as retaining responsibility for the subsurface investigation and remediation of the existing impacted groundwater. The gas plant is currently out of operation, although Dynegy continues to operate two compressors in the northwest portion of the Site for Versado Gas Processors, LLC (Versado), the owner of the south plant.

1.2 Scope of Work

The work performed in 2004, described in this report includes the following:

1. Three additional fully-penetrating monitor wells were installed in the eastern half of the plant site to further evaluate the effectiveness of the chloride remediation program.
2. Three monitor wells were installed in the vicinity of MW-9, in the southwest corner of the facility to evaluate the pipeline right-of-way as a potential source for anomalous BTEX levels in MW-9.
3. A Soil Vapor Extraction (SVE) system was installed into four existing recovery wells and one monitor well to address unsaturated zone hydrocarbons, in the western half of the plant site. The routine operation, maintenance and monitoring of system effectiveness was performed by Highlander personnel.
4. The PSH recovery systems, located in the western and eastern halves of the plant site continued to be operated and maintained by Highlander personnel.
5. A disposal agreement between ChevronTexaco and Versado was signed on January 12, 2004. At that time, the chloride recovery pumps installed in MWD-3 (CRW-1) and MWD-9 (CRW-2) were turned on. Water generated from the pumping is being disposed of into the onsite Versado disposal well. The site is being routinely monitored to ensure that the cone of depression formed by the pumping wells does not adversely affect the dissolved phase or PSH plumes on the west side of the facility and to evaluate hydraulic control of the chloride plume.
6. Chloride and BTEX sampling was performed on a quarterly basis, to monitor the effectiveness of the chloride recovery system.
7. Semi-annual gauging and sampling of all monitor wells was performed.



Each of these topics described above will be addressed individually in this report and will detail activities, sampling and analytical results.

2.0 SITE SETTING

2.1 Site Background

The Site was originally constructed by Skelly Oil Company in the 1940's, and subsequently acquired by Texaco, modified and operated as a turbo expander type natural gas processing plant for extraction of Natural Gas Liquids (NGL). Operation of the site was recently transferred to Dynegy, effective July 1, 1998, and the plant has been essentially shut down, with the exception of some processing and compression equipment. Currently, the plant is owned by Versado and operated by Dynegy. Figure 1 presents a Site location and topographic map. Figure 2 presents a drawing for the site.

2.2 Topography

The topography of the Site slopes gently from west to east. The elevation of the Site ranges from about 3335 feet above mean sea level (AMSL) along the west side of the Site, to about 3330 feet AMSL along the east side of the Site. Storm and surface water runoff generally follows the surface topography and flows to the east to Monument Draw, located approximately 2.5 miles east of the Site. There are no public or private surface water reservoirs within two miles of the Site.

2.3 Soils

The Site is underlain by soils of the Simona Series. The Simona Series soil is represented by the Simona fine sandy loam, 0 to 3 percent slopes (SE). The Simona fine sandy loam has a surface layer consisting of grayish-brown fine sandy loam, approximately 8 inches thick. The surface layer is underlain by subsoil consisting of pale brown fine sandy loam, approximately 8 inches thick. The subsoil is underlain by a dense layer of white indurated caliche. The caliche is typically about 16 inches thick and strongly cemented. The Simona fine sandy loam soil has moderately rapid permeability and a low corrosivity potential to uncoated steel. Simona soil is typically used for recreational, rangeland and habitat purposes.

2.4 Geology

The Site is underlain by windblown sand of Recent-age. The windblown sand deposits range in thickness from a few feet to as much as 40 feet. The windblown sand is underlain by the Pliocene-age Ogallala Formation. The Ogallala Formation consists of quartz sand, which is poorly to well cemented with calcium carbonate. The Ogallala Formation contains minor amounts of clay and is capped most everywhere by a dense layer of caliche. The Ogallala Formation ranges in thickness up to approximately 100 feet.



The Ogallala Formation is underlain by the Triassic-age Chinle Formation. The Chinle Formation consists of interbedded layers of greenish colored mudstone and sandstone. The thickness of the Chinle Formation ranges up to about 300 feet.

2.5 Groundwater

Groundwater occurs under unconfined conditions in the Ogallala Formation. The Ogallala Formation is regionally known as the High Plains Aquifer. Recharge to the Ogallala Formation occurs through infiltration of rainfall and snowmelt. Discharge occurs principally through pumping from wells.

Based upon the recorded depth-to-groundwater measurements, groundwater flow is consistent with the regional flow direction for groundwater in the High Plains aquifer and is primarily to the south-southeast.

3.0 **MONITOR WELL INSTALLATION**

3.1 East Side Monitor Wells

Three (3) additional monitor well locations were selected to investigate potential source areas and for possible expansion for the chloride extraction system, in the eastern half of the plant site. The locations for the new monitor wells (MWD-15, MWD-16 and MWD-17) are shown on Figure 2. The wells, which were installed on October 20-22, 2004, were placed south, east and west of the existing brine water retention pond. All three of the monitor wells were fully-penetrating wells, with total depths ranging from 90 feet to 95 feet below ground surface. The new well locations were surveyed for inclusion into the semi-annual sampling program. Copies of the well logs can be found in Appendix C.

3.2 Monitor Wells in the Vicinity of MW-9

Monitor well MW-9, southeast of the plant site has consistently shown unusually elevated dissolved phase hydrocarbon levels, when compared to monitor wells closer to the plant. MW-9 is located near a pipeline right-of-way. In order to further delineate this area, three (3) monitor wells (MW-29, MW-30 and MW-31), were installed north, east and southeast of MW-9 to evaluate the potential source area. The locations for these new monitor wells are shown on Figure 2. The wells were installed on October 25-27, 2004. These monitor wells were incorporated into the November 2004 sampling event. Copies of the well logs can be found in Appendix C.



4.0 HYDROCARBON REMEDIATION

4.1 Vapor Extraction System

Based upon the data gathered during the July 2002 vapor extraction pilot study, Alliance Maintenance & Services, Inc. (Alliance), designed and constructed a portable SVE system. The system has a maximum capacity of approximately 1000 cubic feet per minute (cfm) at an optimum burn temperature of 1410°F. The system was installed in April, 2004 and began operation on April 13, 2004. The vapor extraction system was installed into recovery wells RW-2 through RW-5, and monitor well MW-28. The thermal oxidizer was originally designed to run on a combination of extracted vapors from the monitor wells, supplemented with propane. The supplemental gas was eventually converted to field gas, in order to reduce operating costs. The system has been maintained on a weekly basis throughout 2004. Vapor samples were taken at all extraction wells, as well as inlet air and effluent air samples at the thermal oxidizer. Based upon chromatographic analyses of these vapor samples, a liquid equivalent volume recovered was calculated. Of the three inlet air analyses, the most conservative value 0.9718 GPM (gallons per 1000 ft³ gas) was used. Using the equipment operating hours (3545 hours), a throughput of 1000 cfm and an estimated inlet dilution air factor of 50% yields an estimated total volume of 103,351 gallons equivalent or 2461 bbls was recovered and treated by the vapor extraction system. Copies of the weekly maintenance reports can be found in Appendix B.

4.2 Groundwater Remediation on West Side of Plant

4.2.1 PSH Recovery Pump Operation

In 2004, a total of five (5) Xitech product recovery pumps were operated recovery wells RW-2, RW-3, RW-4, RW-5 and MW-28. Each Xitech pump was equipped with a solar panel, nitrogen activation system and 130 gallon capacity storage tanks, making each an independently operating system. Due to excessive nitrogen usage, in August, 2004, the individual nitrogen activation systems were replaced with a central common air activation system. Routine operation, maintenance and monitoring of system effectiveness are performed by Highlander personnel on a weekly basis. In 2004, a total of 2889 gallons of PSH was recovered from the five recovery wells and stored in the onsite production facility. As stated above, these are the five wells currently connected to the vapor recovery system. Copies of the weekly maintenance and fluid recovery reports can be found in Appendix B.

4.3 Groundwater Remediation of the East Side of Plant

4.3.1 Modification, Operation and Maintenance of the Ferret System

The Ferret Separation System operated throughout 2004. The weekly O&M program implemented by Highlander in June 2003, was continued. In 2004, the System



recovered 7,015 gallons of water and 235 gallons of PSH from MW-20, and 5,620 gallons of water and 245 gallons of PSH from MW-5. The fluids are contained at the onsite production facility. Copies of the weekly maintenance and fluid recovery reports can be found in Appendix B.

5.0 CHLORIDE RECOVERY

5.1 Water Allocation

On May 19, 2003, Highlander contacted the New Mexico Office of the State Engineer (OSE), to discuss water rights issues for the pumping of these chloride recovery wells. The OSE indicated that the water rights allocations would probably be sufficient for these wells; however, since they were more than 100' from existing permitted wells, they could not be designated as replacement wells. The OSE stated that the chloride recovery wells would have to be permitted as supplemental wells, which requires application, publication and possible hearing and can take up to one year to complete.

On May 29, 2003, Highlander personnel met with a representative of the OSE in Roswell, New Mexico. A file search was conducted to determine existing allocations for the plant. Additionally a discussion was held in which the OSE representative stated that these wells could be considered under the "Supplemental Well-Emergency Conditions" statute where the wells could be used prior to publication.

After reviewing the water rights allocations, discussions were held with ChevronTexaco to discuss ownership of the water rights. Eventually, ChevronTexaco and Dynegy decided that the water rights were owned by Versado, the owner of the South Plant. Dynegy filed the appropriate paperwork with the OSE to designate ownership of the water rights to Versado.

A "Request for Supplemental Wells – Emergency Conditions" was filed with the OSE, in Versado's name by Highlander on October 1, 2003. The request included a total of six (6) supplemental wells, the two monitor wells and an additional four (4) wells to be either converted or drilled if deemed necessary to remediate the chloride plume. The final permits were issued on March 24, 2004. Copies of the permits are included in Appendix E.

5.2 Pump Placement

On May 3, 2003, two deep monitor wells, MWD-3 and MWD-9 were equipped with 1.5 hp, 3-phase electric submersible pumps capable of producing at least 35 gallons per minute. The pumps were set at 91.5' and 92.0' from the top of casing respectively. The wells were initially pumped at a rate of 10 gallons per minute (gpm) at a pressure of 75 psi, to test the well capacity. It appeared that 10gpm would be the maximum capacity of these two wells. Operating under an "Emergency Conditions" permit, the system was



initiated on January 2, 2004 to set pump capacities and shut down when the tanks were full, pending the disposal agreement with Versado.

5.3 Disposal Agreement

The NMOCD in Santa Fe approved disposal of the water generated from the pumping into the existing onsite plant disposal well. Negotiations with Versado for a disposal agreement were finalized and the agreement was in place as of January 12, 2004.

5.4 Operation and Maintenance

The system was activated on January 27, 2004. The system was routinely monitored on a weekly basis. Water level elevations were recorded, to ensure that the cone of depression formed by the pumping wells does not adversely affect the dissolved phase or PSH plumes on the west side of the facility. Additionally, samples were taken periodically to further evaluate the effectiveness of the system. In 2004, the system recovered a total of 143,233 bbls of fluid.

6.0 SEMI-ANNUAL MONITORING AND REPORTING

6.1 Introduction

In accordance with the work plan entitled "Proposed Groundwater Treatment and Disposal Plan", dated September 29, 1999, all monitor wells, and water supply wells are monitored semi-annually. All of the existing monitor wells, water supply wells and recovery wells were examined for PSH, and all monitor wells were sampled on April 20-26, 2004, and November 2-11, 2004.

6.2 Groundwater Potentiometric Surface

Prior to sampling, all monitor wells, recovery wells and water supply wells were gauged for depth to water measurements. The water level measurements were used to generate groundwater potentiometric surface maps. As in previous years, the direction of the hydraulic gradient is towards the south-southeast. With the addition of the chloride extraction wells in the eastern side of the plant site, a significant cone of depression has developed, centered around the two recovery wells MWD-3 and MWD-9. An apparent boundary condition appears to exist to the south of the recovery wells in the vicinity of MW-7, which serves to further enhance the hydraulic trough forming on the east side of the plant site. This trough does not appear to be detrimentally affecting the hydrocarbon plume in the western half of the site, but should act as an effective barrier for further chloride migration to the east and southeast. The groundwater potentiometric surface maps for the two monitoring events are included as Figures 3A and 3B.



6.3 Hydrographs

Hydrographs were prepared using water level elevation data gathered during monitoring events. A majority of the monitor wells showed a significant increase in water level elevation in the last second half of 2004, which is attributable to rainfall totals significantly above the regional average. Data was also used to generate benzene graphs and groundwater elevation vs. chloride graphs. The most notable of these graphs are the groundwater vs. chloride maps from MWD-3 and MWD-9, which contain the chloride recovery pumps. As the graphs indicate, since these wells were turned on, the water levels have dropped, while the chloride concentrations dramatically increased. Based upon the most recent sampling event, however, it appears as if the chloride level in MWD-3 may have peaked and is now beginning to decline. Copies of the graphs are included in Appendix D.

6.4 Phase Separated Hydrocarbon (PSH) Assessment

Prior to sampling, all monitor wells, recovery wells and water supply wells were checked for the presence of PSH, using a Heron Oil-Water Interface probe. Currently, there are two areas where PSH is known to be present on groundwater beneath the Site. One area is on the west side of the Plant, and is associated with process equipment from former Plant operations. The other area is on the east side of the Plant, and is in close proximity to a pipeline running through this area. The PSH thickness for each well measured is shown in Table 1.

Monitor wells on the west side of the plant which exhibited PSH during the April 2004 monitoring event were MW-1, MW-2, MW-21 (trace), MW-28, TMW-2 (trace), TMW-5 (trace), RW-1 and RW-5. Wells in this area which exhibited PSH during the November 2004 monitoring event were MW-1, MW-2, MW-12, MW-21 (trace), MW-28, TMW-2, TMW-5 and RW-1.

RW-4 has historically shown elevated benzene, toluene, ethylbenzene and xylene (BTEX) levels indicative of the close proximity of PSH. It was suspected that this well would eventually exhibit PSH. On November 21 and 24, 2003, a submersible pump was placed into this well and the well was purged and developed for approximately 12 hours. At the end of pumping, a trace of hydrocarbon was noted in this well. This well was then swabbed on January 12, 2004. After the well was swabbed and allowed to recover, up to 3' of PSH was recorded.

Although PSH has historically been observed on the groundwater in the Recovery wells on the west side (RW-2, RW-3 and RW-5) and on the east side of the Plant in the vicinity of MW-5 and MW-20, they were not measured during the April and October 2004 monitoring events because of the remediation systems installed in these wells.



6.5 Groundwater Sampling and Analysis

Prior to groundwater sampling, the monitor wells were purged to remove a minimum of three (3) casing volumes of groundwater or until the groundwater removed from the wells was as visually free of suspended sediment as possible. Purging was accomplished using a submersible pump set typically five (5) to ten (10) feet off the bottom of the monitor well. The pump was thoroughly decontaminated between sampling events using a laboratory grade detergent, followed by rinsing with deionized water. The purged groundwater was placed into the South Plant's wastewater disposal system.

Following deep monitor well (MWD) purging, groundwater samples were carefully collected from the discharge of the pump for chloride, Total Dissolved Solids (TDS), and dissolved metals evaluation. Once purging and pump sampling were completed, the wells were allowed to recover and were sampled for BTEX using dedicated disposable PVC well bailers and monofilament line. Chloride, TDS, dissolved metals and BTEX samples were taken from bailers for the shallow monitor wells. The bailed groundwater samples were carefully poured from the bailers into appropriate sample containers, provided by the analytical laboratory. Dissolved metals samples were field filtered using Envirotech, disposable, high capacity, 0.45 μm disposable filters. The filtered samples were then acidified to a pH of 2. All samples were properly preserved and shipped under chain-of-custody control and analyzed for the prescribed parameters within specified holding times. The groundwater samples were analyzed for BTEX using EPA methods 8021B, dissolved metals by EPA methods 3015, 6010, 7470, chloride by EPA method 9252, and TDS by EPA method 160.1. The laboratory reports are included in Appendix A.

The results of the sampling are shown in Table 1. As in previous reports, BTEX levels were the highest in the west-central portion of the plant centered around monitor wells MW-10, MW-11 and MW-12, and radiating out to monitor wells MW-24, MW-25, MW-26 and MW-27. Elevated BTEX levels were also observed in the southwest corner of the Site at MW-9, as noted above. The benzene concentration in MW-9 was 6.00 mg/l and 8.79 mg/l, for the April and November sampling events respectively. New monitor wells MW-29 and MW-30, placed to further delineate this area, did not exhibit BTEX above the WQCC standards, however, the measured concentration of benzene in new monitor well MW-31 was 0.367 mg/L. MW-31 is downgradient of MW-9. No benzene concentrations above the method detection limits were observed in MW-13 or MW-14, downgradient of MW-31. Isopleth maps for benzene are included as Figures 4A and 4B.

Chloride levels were mainly elevated in the east-northeast portion of the site, in the vicinity of the closed surface impoundments. The three new deep monitor wells (MWD-15, MWD-16 and MWD-17) have shown that there is a pocket of higher chloride content groundwater, to the west of the existing brine water retention pond. Chloride concentrations in several of the shallow wells showed a significant decrease in the November sampling event. This decrease may be attributable to a combination of the activation of the chloride remediation system combined with the excessive rainfall recorded in 2004. Isopleth maps for shallow and deep chloride are included as Figures 5A, 5B, 5C and 5D.



Arsenic was found at or above the WQCC drinking water standard of 0.1 mg/l in monitor well TMW-6, with a reported level of 0.124 mg/l during the November monitoring event. Barium was reported above the WQCC drinking water standard of 1.0 mg/l in monitor wells TMW-1, TMW-3, TMW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, MW-21, MW-24, MW-26, MW-29, MW-30, MW-31, MWD-4, MWD-5, MWD-6 and MWD-10, with the highest concentration being 16.9 mg/l in monitor well MW-9 during the April monitoring event.

Chromium was reported above the WQCC standard of 0.05 mg/l in MW-16 at 0.167 mg/l during the November monitoring event. This is the only well to ever have shown chromium above the WQCC standards. As this well is offsite, it appears that the source for this chromium would also be located offsite. In 2004, no mercury, silver, selenium or cadmium levels above the WQCC standards were detected.

7.0 2005 PLANNED ACTIVITIES

1. In the first quarter of 2005, the chloride recovery system will be evaluated for further expansion, either by fitting existing wells or drilling additional recovery well locations. One of the six permitted recovery well locations will be re-permitted in the vicinity of MWD-15. The chloride extraction system will continue to be closely monitored to maintain capture of the chloride plume, while attempting to limit impacting the hydrocarbon plume to the west.
2. The Vapor Extraction System will be evaluated in the first quarter of 2005 for possible expansion into additional monitor wells, which exhibit the highest dissolved-phase hydrocarbons (i.e. MW-12). Additionally air sparging points may be added to further enhance the system.
3. The area around MW-9 will be evaluated for possible inclusion into the existing remediation system or possible alternate treatment system.
4. Areas south of the plant site, in the vicinity of the truck loading racks, gasoline storage tanks and pipe yard, will be further evaluated for the possibility of additional monitor well placement, primarily in the vicinity of MWD-5 and MWD-12.
5. The two Ferret Separation Pumps (PSH recovery system) that were installed in MW-5 and MW-20, will continue to be operated and maintained by Highlander personnel.
6. The PSH Recovery System will be evaluated for possible modification and will continue to be operated and maintained by Highlander personnel.

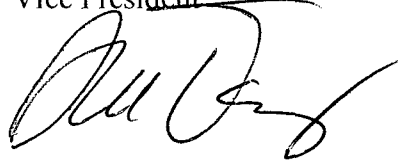


7. Semi-annual sampling of all monitor wells will be continued, and a summary of all activities will be provided to the NMOCD in the first quarter of 2005.

Respectfully Submitted,
Highlander Environmental Corp.



Timothy M. Reed, P.G.
Vice President



Ike Tavarez, P.G.
Senior Geologist/Project Manager



TABLES

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

O&G/1382/11-02-04

MW-1	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
09/10/96	53.88		0.00	3335.09	3281.21	3281.21	7.37	-	0	0.51	0	0	0	0	0
05/28/97	53.45		2.73	3335.09	3281.64	3278.91	-	-	-	-	-	-	-	-	-
12/07/98	53.63		2.31	3335.09	3281.46	3279.15	-	-	-	-	-	-	-	-	-
08/23/00	53.37		2.07	3335.09	3281.72	3279.65	-	-	-	-	-	-	-	-	-
03/22/01	54.94		2.09	3335.09	3280.15	3278.06	-	-	-	-	-	-	-	-	-
10/16/01	54.97		2.21	3335.09	3280.12	3277.91	-	-	-	-	-	-	-	-	-
04/15/02	55.07		2.17	3335.09	3280.02	3277.85	-	-	-	-	-	-	-	-	-
09/13/02	59.11		6.25	3335.09	3275.98	3269.73	-	-	-	-	-	-	-	-	-
04/21/03	54.82		2.06	3335.09	3280.27	3278.21	-	-	-	-	-	-	-	-	-
10/20/03	54.95		2.14	3335.09	3280.14	3278.00	-	-	-	-	-	-	-	-	-
02/20/04	54.99		2.18	3335.09	3280.10	3277.92	-	-	-	-	-	-	-	-	-
04/06/04	55.00		2.22	3335.09	3280.09	3277.87	-	-	-	-	-	-	-	-	-
04/19/04	54.80		2.44	3335.09	3280.29	3277.85	-	-	-	-	-	-	-	-	-
07/26/04	54.92		2.11	3335.09	3280.17	3278.06	-	-	-	-	-	-	-	-	-
11/02/04	53.68		1.29	3335.09	3281.41	3280.12	-	-	-	-	-	-	-	-	-
MW-2	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
09/10/96	55.96		0	3335.70	3279.74	3279.74	-	-	-	-	-	-	-	-	-
05/28/97	53.79		2.97	3335.70	3281.91	3278.94	-	-	-	-	-	-	-	-	-
12/07/98	53.87		2.5	3335.70	3281.83	3279.33	-	-	-	-	-	-	-	-	-
08/23/00	53.61		2.25	3335.70	3282.09	3279.84	-	-	-	-	-	-	-	-	-
03/22/01	55.33		2.28	3335.70	3280.37	3278.09	-	-	-	-	-	-	-	-	-
10/16/01	55.18		2.21	3335.70	3280.52	3278.31	-	-	-	-	-	-	-	-	-
04/15/02	55.50		2.39	3335.70	3280.20	3277.81	-	-	-	-	-	-	-	-	-
09/13/02	55.55		2.48	3335.70	3280.15	3277.67	-	-	-	-	-	-	-	-	-
04/21/03	53.86		0.97	3335.70	3281.84	3280.87	-	-	-	-	-	-	-	-	-
10/20/03	55.46		2.44	3335.70	3280.24	3277.80	-	-	-	-	-	-	-	-	-
02/20/04	55.53		2.51	3335.70	3280.17	3277.66	-	-	-	-	-	-	-	-	-
04/06/04	54.70		1.85	3335.7	3281.00	3279.15	-	-	-	-	-	-	-	-	-
04/19/04	55.39		2.44	3335.7	3280.31	3277.87	-	-	-	-	-	-	-	-	-
07/26/04	55.18		2.17	3335.7	3280.52	3278.35	-	-	-	-	-	-	-	-	-
11/02/04	54.48		1.9	3335.7	3281.22	3279.32	-	-	-	-	-	-	-	-	-

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-3	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
05/28/97	57.65	0	3339.65	3282.00	3282.00	0.029	430	0	0	0	0	0	0	0
12/07/98	57.74	0	3339.65	3281.91	3281.91	-	-	-	-	-	-	-	-	-
08/23/00	57.59	0	3339.65	3282.06	3282.06	0	530	0	0.15	0	0	0	0	0
03/22/01	57.39	0	3339.65	3282.26	3282.26	0	480	0	0.14	0	0	0	0	0
10/16/01	56.30	0	3339.65	3283.35	3283.35	0.0065	475	0	0.144	0	0	0	0	0
04/15/02	57.38	0	3339.65	3282.27	3282.27	0.0135	448	0	0.158	0	0	0	0	0
09/13/02	57.32	0	3339.65	3282.33	3282.33	0	410	0	0.193	0	0	0	0	0
04/22/03	57.55	0	3339.65	3282.10	3282.10	0	379	0	0.138	0	0	0	0	0
10/21/03	57.13	0	3339.65	3282.52	3282.52	0	378	0	0.106	0	0	0	0	0
02/20/04	57.13	0	3339.65	3282.52	3282.52									
04/06/04	57.09	0	3339.65	3282.56	3282.56									
04/19/04	57.07	0	3339.65	3282.58	3282.58									
04/20/04	57.07	0	3339.65	3282.58	3282.58	<0.00100	296	<0.0100	0.096	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
07/26/04	57.04	0	3339.65	3282.61	3282.61									
11/03/05	56.81	0	3339.65	3282.84	3282.84	<0.00100	227	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-4	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
05/28/97	51.53	0	3333.25	3281.72	3281.72	0.047	5500	0	0.2	0	0	0	0	0
12/07/98	51.73	0	3333.25	3281.52	3281.52	-	-	-	-	-	-	-	-	-
08/23/00	51.64	0	3333.25	3281.61	3281.61	0.052	7100	0	0.15	0	0	0	0	0
03/22/01	51.34	0	3333.25	3281.91	3281.91	0	8200	0	0	0	0	0	0	0
10/16/01	50.40	0	3333.25	3282.85	3282.85	0.0304	8830	0	0	0	0	0	0	0
04/15/02	51.54	0	3333.25	3281.71	3281.71	0.0344	8830	0	0	0	0	0	0	0
09/13/02	51.51	0	3333.25	3281.74	3281.74	0.0213	17300	0	0.144	0	0	0	0	0
04/24/03	51.23	0	3333.25	3282.02	3282.02	0.0090	10300	0	0.156	0.01	0	0	0	0
10/23/03	51.34	0	3333.25	3281.91	3281.91	0.0063	4720	0	0.0732	0	0	0	0	0
01/12/03	51.36	0	3333.25	3281.89	3281.89									
02/03/04	51.41	0	3333.25	3281.84	3281.84									
02/09/04	51.44	0	3333.25	3281.81	3281.81									
02/16/04	51.51	0	3333.25	3281.74	3281.74									
02/20/04	51.52	0	3333.25	3281.73	3281.73	0.2300	9490							
03/10/04	51.62	0	3333.25	3281.63	3281.63									
03/22/04	51.67	0	3333.25	3281.58	3281.58									
04/06/04	51.71	0	3333.25	3281.54	3281.54									
4/19/2004	51.77	0	3333.25	3281.48	3281.48									
4/21/2004	51.77	0	3333.25	3281.48	3281.48	0.0254	13800	<0.100	<0.100	<0.100	<0.000200	<0.125	<0.100	<0.0500
5/12/2004	51.82	0	3333.25	3281.43	3281.43									
7/26/2004	51.94	0	3333.25	3281.31	3281.31	0.0625	8640							
11/5/2004	51.73	0	3333.25	3281.52	3281.52	0.153	8290	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-5	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
05/28/97	52.1	0	3333.85	3281.75	3281.75	1.7	1500	0	0	0	0	0	0	0
12/07/98	52.62	2.68	3333.85	3281.23	3278.55	-	-	-	-	-	-	-	-	-
08/23/00	52.71	5.78	3333.85	3281.14	3275.36	-	-	-	-	-	-	-	-	-
03/22/01	52	0.06	3333.85	3281.85	3281.79	-	-	-	-	-	-	-	-	-
<i>Installed Ferret pump (8/01)</i>														
10/16/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/15/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
09/13/02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
04/03/03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/20/03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01/12/04	52.39	0.01	3333.85	3281.46	3281.45	-	-	-	-	-	-	-	-	-
02/03/04	52.51	0.08	3333.85	3281.34	3281.26	-	-	-	-	-	-	-	-	-
02/09/04	52.52	0.08	3333.85	3281.33	3281.25	-	-	-	-	-	-	-	-	-
02/16/04	52.54	0.01	3333.85	3281.31	3281.30	-	-	-	-	-	-	-	-	-
02/20/04	NA	0.01	3333.85	-	-	-	-	-	-	-	-	-	-	-
03/10/04	52.60	0.01	3333.85	3281.25	3281.24	-	-	-	-	-	-	-	-	-
03/22/04	52.62	0.01	3333.85	3281.23	3281.22	-	-	-	-	-	-	-	-	-
04/06/04	52.67	0.01	3333.85	3281.18	3281.17	-	-	-	-	-	-	-	-	-
04/19/04	52.61	0.01	3333.85	3281.24	3281.23	-	-	-	-	-	-	-	-	-
05/12/04	52.70	0.24	3333.85	3281.15	3280.91	-	-	-	-	-	-	-	-	-
07/26/04	Pump	-	-	-	-	-	-	-	-	-	-	-	-	-
11/02/04	Pump	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
05/28/97	50.60	0	3332.33	3281.73	3281.73	0.002	3000	-	0.2	0	0	0	0	0
12/07/98	50.95	0	3332.33	3281.38	3281.38	-	-	-	-	-	-	-	-	-
08/23/00	50.60	0	3332.33	3281.73	3281.73	0.012	33000	-	0	0	0	0	0	0
03/22/01	50.45	0	3332.33	3281.88	3281.88	0	3500	-	0	0	0	0	0	0
10/16/01	49.80	0	3332.33	3282.53	3282.53	0.036	6190	-	0.047	0	0	0	0	0
04/15/02	51.07	0	3332.33	3281.26	3281.26	0.143	22700	-	0	0	0	0	0	0
09/13/02	50.77	0	3332.33	3281.56	3281.56	0.0066	11010	-	0.152	0	0	0	0	0
04/24/03	50.61	0	3332.33	3281.72	3281.72	0.001	4260	0	0.148	0	0	0	0	0
10/23/03	50.94	0	3332.33	3281.39	3281.39	0	6020	0	0.092	0	0	0	0	0
01/12/04	51.02	0	3332.33	3281.31	3281.31	-	-	-	-	-	-	-	-	-
02/03/04	51.13	0	3332.33	3281.20	3281.20	-	-	-	-	-	-	-	-	-
02/09/04	51.21	0	3332.33	3281.12	3281.12	-	-	-	-	-	-	-	-	-
02/16/04	51.28	0	3332.33	3281.05	3281.05	-	-	-	-	-	-	-	-	-
02/20/04	51.31	0	3332.33	3281.02	3281.02	-	-	-	-	-	-	-	-	-
03/10/04	51.45	0	3332.33	3280.88	3280.88	-	-	-	-	-	-	-	-	-
04/06/04	51.54	0	3332.33	3280.79	3280.79	-	-	-	-	-	-	-	-	-
04/06/04	51.65	0	3332.33	3280.68	3280.68	-	-	-	-	-	-	-	-	-
04/19/04	51.69	0	3332.33	3280.64	3280.64	-	-	-	-	-	-	-	-	-
04/22/04	51.69	0	3332.33	3280.64	3280.64	0.0013	53400	<0.100	0.169	<0.100	<0.000200	<0.125	<0.100	<0.0500
05/12/04	51.42	0	3332.33	3280.91	3280.91	-	-	-	-	-	-	-	-	-
07/26/04	51.96	0	3332.33	3280.37	3280.37	-	-	-	-	-	-	-	-	-
11/05/04	50.74	0	3332.33	3281.59	3281.59	0.0021	5740	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-7	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
05/28/97	48.45	0	3330.43	3281.98	3281.98	0.002	330	0	0	0	0	0	0	0
12/07/98	49.01	0	3330.43	3281.42	3281.42	-	-	-	-	-	-	-	-	-
08/23/00	48.84	0	3330.43	3281.59	3281.59	0	380	0	0.10	0	0	0	0	0
03/22/01	48.32	0	3330.43	3282.11	3282.11	0	250	0	0.804	0	0	0	0	0
10/16/01	47.74	0	3330.43	3282.69	3282.69	0	390	0	1.01	0	0	0	0	0
04/15/02	49.00	0	3330.43	3281.43	3281.43	0	780	0	0	0	0	0	0	0
09/13/02	48.26	0	3330.43	3282.17	3282.17	0.0067	719	0	1.04	0	0	0	0	0
04/24/03	48.62	0	3330.43	3281.81	3281.81	0	139	0	1.80	0	0	0	0	0
10/24/03	49.04	0	3330.43	3281.39	3281.39	0	119	0	1.64	0	0	0	0	0
01/12/04	49.16	0	3330.43	3281.27	3281.27									
02/03/04	49.20	0	3330.43	3281.23	3281.23									
02/09/04	49.22	0	3330.43	3281.21	3281.21									
02/16/04	49.24	0	3330.43	3281.19	3281.19									
02/20/04	49.25	0	3330.43	3281.18	3281.18									
03/10/04	49.27	0	3330.43	3281.16	3281.16									
03/22/04	49.30	0	3330.43	3281.13	3281.13									
4/19/2004	49.34	0	3330.43	3281.09	3281.09									
4/8/2004	48.85	0	3330.43	3281.58	3281.58									
4/22/2004	48.85	0	3330.43	3281.58	3281.58	<0.005	383	<0.0100	1.44	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
5/12/2004	48.96	0	3330.43	3281.47	3281.47									
7/26/2004	49.43	0	3330.43	3281.00	3281.00									
11/5/2004	46.21	0	3330.43	3284.22	3284.22	<0.00100	83.3	<0.0100	1.07	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-8	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
05/28/97	49.20	0	3330.59	3281.39	3281.39	0.003	1900	0	0	0	0	1.5	0	0
12/07/98	49.70	0	3330.59	3280.89	3280.89	-	-	-	-	-	-	-	-	-
08/23/00	48.99	0	3330.59	3281.60	3281.60	0.002	430	0	0	0	0	0	0	0
03/22/01	49.35	0	3330.59	3281.24	3281.24	0	560	0	0	0	0	0	0	0
10/16/01	48.31	0	3330.59	3282.28	3282.28	0.006	844	0	0.118	0	0	0	0	0
04/15/02	49.72	0	3330.59	3280.87	3280.87	0	949	0	0.103	0	0	0	0	0
09/13/02	49.57	0	3330.59	3281.02	3281.02	0	1790	0	0.187	0	0	0	0	0
04/22/03	49.54	0	3330.59	3281.05	3281.05	0	834	0.022	0.135	0	0	0	0	0
10/21/03	49.81	0	3330.59	3280.78	3280.78	0	920	0	0.105	0	0	0	0	0
01/12/04	49.80	0	3330.59	3280.79	3280.79									
02/03/04	49.85	0	3330.59	3280.74	3280.74									
02/09/04	49.86	0	3330.59	3280.73	3280.73									
02/16/04	49.87	0	3330.59	3280.72	3280.72									
02/20/04	49.89	0	3330.59	3280.70	3280.70									
03/10/04	49.87	0	3330.59	3280.72	3280.72									
03/22/04	49.87	0	3330.59	3280.72	3280.72									
4/6/2004	49.89	0	3330.59	3280.70	3280.70									
4/19/2004	49.72	0	3330.59	3280.87	3280.87									
4/20/2004	49.72	0	3330.59	3280.87	3280.87	<0.00100	1890	<0.0100	0.112	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
5/12/2004	49.71	0	3330.59	3280.88	3280.88									
7/26/2004	49.90	0	3330.59	3280.69	3280.69									
11/3/2004	48.91	0	3330.59	3281.68	3281.68	<0.00500	822	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-9	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
05/28/97	53.93	0	3334.73	3280.80	3280.80	7.9	340	0	2.7	0	0	0	0	0
12/07/98	54.12	0	3334.73	3280.61	3280.61	-	-	-	-	-	-	-	-	-
08/23/00	53.27	0	3334.73	3281.46	3281.46	5.28	460	0	11	0	0	0	0	0
03/22/01	53.91	0	3334.73	3280.82	3280.82	9	420	0	13.3	0	0	0	0	0.025
10/16/01	52.68	0	3334.73	3282.05	3282.05	6.03	408	0	14.5	0	0	0	0	0
04/15/02	54.04	0	3334.73	3280.69	3280.69	7.59	384	0	13.7	0	0	0	0	0
09/13/02	54.06	0	3334.73	3280.67	3280.67	6.72	443	0	14.5	0	0	0	0	0
04/30/03	54.03	0	3334.73	3280.70	3280.70	6.41	415	0	13.9	0	0	0	0	0
10/28/03	54.11	0	3334.73	3280.62	3280.62	8.51	357	0	12.6	0	0	0	0	0
02/20/04	54.15	0	3334.73	3280.58	3280.58									
04/06/04	54.11	0	3334.73	3280.62	3280.62									
04/19/04	54.08	0	3334.73	3280.65	3280.65									
04/26/04	54.08	0	3334.73	3280.65	3280.65	6.00	447	<0.0100	16.9	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
07/26/04	54.13	0	3334.73	3280.60	3280.60									
11/09/04	53.81	0	3334.73	3280.92	3280.92	8.79	466	<0.0100	15.5	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-10	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
05/28/97	52.99	0	3334.64	3281.65	3281.65	4.1	530	0	0.5	0	0	0	0	0
12/07/98	53.16	0	3334.64	3281.48	3281.48	-	-	-	-	-	-	-	-	-
08/23/00	52.85	0	3334.64	3281.79	3281.79	10.7	360	0.3	7.5	0	0	0	0	0
03/22/01	52.87	0	3334.64	3281.77	3281.77	9.22	360	0	5.86	0	0	0	0	0
10/16/01	51.71	0	3334.64	3282.93	3282.93	11	339	0.0271	5.81	0	0	0	0	0
04/15/02	52.92	0	3334.64	3281.72	3281.72	15.8	357	0	5.7	0	0	0	0	0
09/13/02	52.82	0	3334.64	3281.82	3281.82	52.4	382	0	4.34	0	0	0	0	0
04/28/03	52.79	0	3334.64	3281.85	3281.85	32.7	451	0	7.56	0	0	0	0	0
10/27/03	52.87	0	3334.64	3281.77	3281.77	41.6	469	0	5.51	0	0	0	0	0
02/20/04	52.86	0	3334.64	3281.78	3281.78									
4/6/2004	52.83	0	3334.64	3281.81	3281.81									
4/19/2004	52.79	0	3334.64	3281.85	3281.85									
4/26/2004	52.79	0	3334.64	3281.85	3281.85	33.8	586	<0.0100	6.18	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
7/26/2004	52.83	0	3334.64	3281.81	3281.81									
11/11/2004	52.36	0	3334.64	3282.28	3282.28	37.6	653	<0.0100	4.95	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-11	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
05/28/97	53.12	0	3334.86	3281.74	3281.74	30.0	750	0	1.5	0	0	0	0	0
12/07/98	53.32	0	3334.86	3281.54	3281.54	-	-	-	-	-	-	-	-	-
08/23/00	52.98	0	3334.86	3281.88	3281.88	35.6	1100	0.100	11	0	0	0	0	0
03/22/01	53.00	0	3334.86	3281.86	3281.86	46.6	939	0.0508	14.2	0	0	0	0	0
10/16/01	52.89	0	3334.86	3281.97	3281.97	44.0	339	0.075	6.96	0	0	0	0	0
04/15/02	53.08	0	3334.86	3281.78	3281.78	39.6	848	4.36	0.692	0	0	0	0	0
09/13/02	53.02	0	3334.86	3281.84	3281.84	41.9	812	0.080	5.13	0	0	0	0	0
04/28/03	52.88	0	3334.86	3281.98	3281.98	25.9	710	0.000	2.30	0	0	0	0	0
10/27/03	52.98	0	3334.86	3281.88	3281.88	43.1	532	0.000	1.66	0	0	0	0	0
02/20/04	53.00	0	3334.86	3281.86	3281.86	-	-	-	-	-	-	-	-	-
4/6/2004	52.96	0	3334.86	3281.90	3281.90	-	-	-	-	-	-	-	-	-
4/19/2004	52.92	0	3334.86	3281.94	3281.94	-	-	-	-	-	-	-	-	-
4/26/2004	52.92	0	3334.86	3281.94	3281.94	58.1	546	<0.0100	1.75	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
7/26/2004	Temp Plug - casing parted													
11/11/2004	52.44	0	3334.86	3282.42	3282.42	26.9	605	<0.0100	1.59	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-12	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
05/28/97	52.02	0	3333.88	3281.86	3281.86	13.3	1300	0	0	0	0	0	0	0
12/07/98	52.26	0	3333.88	3281.62	3281.62	-	-	-	-	-	-	-	-	-
08/23/00	51.86	0	3333.88	3282.02	3282.02	91.5	1500	0.47	2.6	0	0	0	0	0
03/22/01	51.88	0	3333.88	3282.00	3282.00	95.7	1900	0.464	1.42	0	0	0	0	0
10/16/01	51.86	0	3333.88	3282.02	3282.02	6.71	1590	0.413	2.12	0	0	0	0	0
04/15/02	52.12	0	3333.88	3281.76	3281.76	71.7	1350	0.587	1.97	0	0	0	0	0
09/13/02	52.04	0	3333.88	3281.84	3281.84	70.2	1510	0.534	1.12	0	0	0	0	0
04/30/03	51.88	0	3333.88	3282.00	3282.00	52.4	2070	0	2.77	0	0	0	0	0
10/28/03	52.08	0	3333.88	3281.80	3281.80	50.2	2260	0.298	1.53	0	0	0	0	0
02/20/04	52.13	0	3333.88	3281.75	3281.75	-	-	-	-	-	-	-	-	-
4/6/2004	52.11	0	3333.88	3281.77	3281.77	-	-	-	-	-	-	-	-	-
4/19/2004	52.06	0	3333.88	3281.82	3281.82	-	-	-	-	-	-	-	-	-
4/26/2004	52.06	0	3333.88	3281.82	3281.82	36.0	2290	<0.0100	1.77	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
5/12/2004	52.05	0	3333.88	3281.83	3281.83	-	-	-	-	-	-	-	-	-
7/26/2004	52.13	0	3333.88	3281.75	3281.75	-	-	-	-	-	-	-	-	-
11/2/2004	51.45	0.04	3333.88	3282.43	3282.39	-	-	-	-	-	-	-	-	-

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-13	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
12/07/98	56.84	0		3336.15	3279.31	3279.31	0	430	0	1.30	0	0	0	0	0
08/23/00	56.72	0		3336.15	3279.43	3279.43	0.085	390	0	1.40	0	0	0	0	0
03/22/01	56.68	0		3336.15	3279.47	3279.47	0	390	0	2.34	0	0	0	0	0
10/16/01	55.60	0		3336.15	3280.55	3280.55	0.69	355	0	2.18	0	0	0	0	0
04/15/02	56.77	0		3336.15	3279.38	3279.38	0.0151	375	0	2.70	0	0	0	0	0
09/13/02	56.79	0		3336.15	3279.36	3279.36	0.0254	328	0	2.29	0	0	0	0	0
04/21/03	56.77	0		3336.15	3279.38	3279.38	0	382	0	1.53	0	0	0	0	0
10/21/03	56.81	0		3336.15	3279.34	3279.34	0.0108	395	0	1.78	0	0	0	0	0
02/20/04	56.82	0		3336.15	3279.33	3279.33									
04/06/04	56.77	0		3336.15	3279.38	3279.38									
04/19/04	56.79	0		3336.15	3279.36	3279.36									
04/20/04	56.79	0		3336.15	3279.36	3279.36	<0.00100	356	<0.0100	2.5	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
07/26/04	56.84	0		3336.15	3279.31	3279.31									
11/03/04	56.84	0		3336.15	3279.31	3279.31	<0.00500	406	<0.0100	2.17	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-14	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
12/07/98	53.1	0		3333.04	3279.94	3279.94	0	420	0	0	0	0	0	0	0
08/23/00	52.5	0		3333.04	3280.54	3280.54	0	300	0	0	0	0	0	0	0
03/22/01	52.86	0		3333.04	3280.18	3280.18	0	310	0	0	0	0	0	0	0
10/16/01	51.13	0		3333.04	3281.91	3281.91	0	303	0	0.0672	0	0	0	0	0
04/15/02	53.03	0		3333.04	3280.01	3280.01	0.011	318	0	0	0	0	0	0	0
09/13/02	53.04	0		3333.04	3280.00	3280.00	0	319	0	0.131	0	0	0	0	0
04/21/03	53.03	0		3333.04	3280.01	3280.01	0	379	0	0.089	0	0	0	0	0
10/21/03	53.12	0		3333.04	3279.92	3279.92	0	348	0	0.099	0	0	0	0	0
02/20/04	53.13	0		3333.04	3279.91	3279.91									
4/6/2004	53.11	0		3333.04	3279.93	3279.93									
4/19/2004	53.11	0		3333.04	3279.93	3279.93									
4/20/2004	53.11	0		3333.04	3279.93	3279.93	<0.00100	390	<0.0100	0.086	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
7/26/2004	53.18	0		3333.04	3279.86	3279.86									
11/2/2004	53.02	0		3333.04	3280.02	3280.02	<0.00100	476	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

concentrations in mg/l
(-) Not Analyzed
Waterlevels, PSH Thickness and Elevations - (ft)
(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-17	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
12/07/98	52.84	0	3334.32	3281.48	3281.48	0	6000	0	0	0	0	0	0	0
08/23/00	52.86	0	3334.32	3281.46	3281.46	0	5700	0	0	0	0	0	0	0
03/22/01	52.53	0	3334.32	3281.79	3281.79	0	5700	0	0	0.0109	0	0	0	0
10/16/01	51.62	0	3334.32	3282.70	3282.70	0.008	4960	0	0.0175	0	0	0	0.0164	0
04/15/02	52.74	0	3334.32	3281.58	3281.58	0	5050	0	0	0	0	0	0	0
09/13/02	52.71	0	3334.32	3281.61	3281.61	0	5750	0	0.105	0	0	0	0	0
04/22/03	52.44	0	3334.32	3281.88	3281.88	0	5240	0	0.070	0	0	0	0	0
10/22/03	52.52	0	3334.32	3281.80	3281.80	0	7510	0	0.068	0	0	0	0	0
01/12/04	52.55	0	3334.32	3281.77	3281.77									
02/03/04	52.70	0	3334.32	3281.62	3281.62									
02/09/04	52.75	0	3334.32	3281.57	3281.57									
02/16/04	52.82	0	3334.32	3281.50	3281.50									
02/20/04	52.87	0	3334.32	3281.45	3281.45		5320							
03/10/04	52.96	0	3334.32	3281.36	3281.36									
03/22/04	53.02	0	3334.32	3281.30	3281.30									
4/6/2004	53.08	0	3334.32	3281.24	3281.24									
4/19/2004	53.13	0	3334.32	3281.19	3281.19									
4/21/2004	53.13	0	3334.32	3281.19	3281.19	<0.00100	5460	<0.100	<0.100	<0.100	<0.000200	<0.125	<0.100	<0.0500
5/12/2004	53.20	0	3334.32	3281.12	3281.12									
7/26/2004	53.34	0	3334.32	3280.98	3280.98		2930							
11/3/2004	53.18	0	3334.32	3281.14	3281.14	<0.00500	6360	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-18	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
12/07/98	54.33	0	3336.10	3281.77	3281.77	0	5700	0	0	0	0	0	0	0
08/23/00	54.21	0	3336.10	3281.89	3281.89	0	5000	0	0	0	0	0	0	0
03/22/01	53.96	0	3336.10	3282.14	3282.14	0.036	4500	0	0	0	0	0	0	0
10/16/01	52.92	0	3336.10	3283.18	3283.18	0.007	3490	0	0.0807	0	0	0	0	0
04/15/02	54.01	0	3336.10	3282.09	3282.09	0	3280	0	0	0	0	0	0	0
09/13/02	53.98	0	3336.10	3282.12	3282.12	0	4920	0	0.163	0	0	0	0	0
04/22/03	53.74	0	3336.10	3282.36	3282.36	0.001	2960	0	0.185	0	0	0	0	0
10/22/03	53.75	0	3336.10	3282.35	3282.35	0	2910	0	0.148	0	0	0	0	0
01/12/04	53.74	0	3336.10	3282.36	3282.36									
02/03/04	53.75	0	3336.10	3282.35	3282.35									
02/09/04	53.74	0	3336.10	3282.36	3282.36									
02/16/04	53.75	0	3336.10	3282.35	3282.35									
02/20/04	53.79	0	3336.10	3282.31	3282.31									
03/10/04	53.79	0	3336.10	3282.31	3282.31									
03/22/04	53.82	0	3336.10	3282.28	3282.28									
04/06/04	53.84	0	3336.10	3282.26	3282.26									
04/19/04	53.86	0	3336.10	3282.24	3282.24									
04/21/04	53.86	0	3336.10	3282.24	3282.24	<0.00100	5950	<0.100	0.203	<0.100	<0.000200	<0.125	<0.100	<0.0500
05/12/04	53.87	0	3336.10	3282.23	3282.23									
07/26/04	53.92	0	3336.10	3282.18	3282.18									
11/03/04	53.83	0	3336.10	3282.27	3282.27	<0.00500	4240	<0.0100	0.104	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-19	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/23/00	52.44	0	3334.21	3281.77	3281.77	0.94	3000	0.2	1.8	0	0	0	0	0
03/22/01	52.26	0	3334.21	3281.95	3281.95	0.973	3100	0	1.01	0	0	0	0	0
10/16/01	51.42	0	3334.21	3282.79	3282.79	0.85	2790	0	0.815	0	0	0	0	0
04/15/02	52.64	0	3334.21	3281.57	3281.57	0.71	2690	0	0.737	0	0	0	0	0
09/13/02	52.50	0	3334.21	3281.71	3281.71	0.437	3010	0	0.942	0	0	0	0	0
04/22/03	52.29	0	3334.21	3281.92	3281.92	0.467	2310	0	0.918	0	0	0	0	0
10/22/03	52.57	0	3334.21	3281.64	3281.64	0.552	1870	0	0.751	0	0	0	0	0
01/12/04	52.60	0	3334.21	3281.61	3281.61									
02/03/04	52.62	0	3334.21	3281.59	3281.59									
02/09/04	52.65	0	3334.21	3281.56	3281.56									
02/16/04	52.68	0	3334.21	3281.53	3281.53									
02/20/04	52.69	0	3334.21	3281.52	3281.52	0.753	2840							
03/10/04	52.72	0	3334.21	3281.49	3281.49									
03/22/04	52.75	0	3334.21	3281.46	3281.46									
04/06/04	52.79	0	3334.21	3281.42	3281.42									
04/19/04	52.79	0	3334.21	3281.42	3281.42									
04/22/04	52.79	0	3334.21	3281.42	3281.42	0.558	2690	<0.0100	0.827	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
05/12/04	52.71	0	3334.21	3281.50	3281.50									
07/26/04	52.86	0	3334.21	3281.35	3281.35	0.691	3000							
11/09/04	52.04	0	3334.21	3282.17	3282.17	0.758	3510	<0.0100	0.675	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-20	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/23/00	52.65	2.65	3334.06	3281.41	3278.76	-	-	-	-	-	-	-	-	-
03/22/01	52.2	0.04	3334.06	3281.86	3281.82	-	-	-	-	-	-	-	-	-
Installed Ferret pump (8/01)														
10/16/01	-	-	3334.06	-	-	-	-	-	-	-	-	-	-	-
04/15/02	-	-	3334.06	-	-	-	-	-	-	-	-	-	-	-
09/13/02	-	-	3334.06	-	-	-	-	-	-	-	-	-	-	-
04/21/03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10/20/03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
01/12/04	52.70	0.07	3334.06	3281.36	3281.29									
02/03/04	52.80	0.15	3334.06	3281.26	3281.11									
02/09/04	52.84	0.17	3334.06	3281.22	3281.05									
02/16/04	NA	0.17	3334.06											
02/20/04	NA	0.17	3334.06											
03/10/04	NA	0.17	3334.06											
03/22/04	53.04	0.01	3334.06	3281.02	3281.01									
04/06/04	53.02	0.05	3334.06	3281.04	3280.99									
04/19/04	52.99	0.06	3334.06	3281.07	3281.01									
07/26/04	Pump													
11/02/04	Pump													

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-21	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/23/00	51.37	0.01	3333.02	3281.65	3281.64	-	-	-	-	-	-	-	-	-
03/22/01	51.14	0	3333.02	3281.88	3281.88	-	-	-	-	-	-	-	-	-
10/16/01	51.38	0.04	3333.02	3281.64	3281.60	-	-	-	-	-	-	-	-	-
04/15/02	51.65	trace	3333.02	3281.37	-	-	-	-	-	-	-	-	-	-
09/13/02	51.36	trace	3333.02	3281.66	-	-	-	-	-	-	-	-	-	-
04/21/03	51.36	trace	3333.02	3281.66	-	-	-	-	-	-	-	-	-	-
10/20/03	51.56	trace	3333.02	3281.46	-	-	-	-	-	-	-	-	-	-
01/12/04	51.65	trace	3333.02	3281.37	-	-	-	-	-	-	-	-	-	-
02/03/04	51.67	trace	3333.02	3281.35	-	-	-	-	-	-	-	-	-	-
02/09/04	51.71	trace	3333.02	3281.31	-	-	-	-	-	-	-	-	-	-
02/16/04	51.74	trace	3333.02	3281.28	-	-	-	-	-	-	-	-	-	-
02/20/04	51.76	trace	3333.02	3281.26	-	-	-	-	-	-	-	-	-	-
03/10/04	51.79	trace	3333.02	3281.23	-	-	-	-	-	-	-	-	-	-
03/22/04	51.84	0.01	3333.02	3281.18	-	-	-	-	-	-	-	-	-	-
04/06/04	51.87	trace	3333.02	3281.15	-	-	-	-	-	-	-	-	-	-
04/19/04	51.84	0.01	3333.02	3281.18	3281.17	-	-	-	-	-	-	-	-	-
04/26/04	51.84	0.01	3333.02	3281.18	3281.17	0.613	2400	<0.0100	1.01	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
05/12/04	51.75	0	3333.02	3281.27	3281.27	-	-	-	-	-	-	-	-	-
07/26/04	51.98	0	3333.02	3281.04	3281.04	-	-	-	-	-	-	-	-	-
11/02/04	50.64	trace	3333.02	3282.38	-	-	-	-	-	-	-	-	-	-
MW-22	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/23/00	52.66	0	3334.87	3282.21	3282.21	0.403	-	-	-	-	-	-	-	-
03/22/01	52.97	0	3334.87	3281.90	3281.90	0.793	24000	0	0.338	0	0	0	0	0
10/16/01	52.38	0	3334.87	3282.49	3282.49	1.110	17000	0	0.548	0	0	0	0	0
04/15/02	53.60	0	3334.87	3281.27	3281.27	0.971	48800	0	0	0	0	0	0	0
09/13/02	53.27	0	3334.87	3281.60	3281.60	0.730	44200	0	0.146	0	0	0	0	0
04/28/03	53.16	0	3334.87	3281.71	3281.71	1.100	16200	0	0.886	0	0	0	0	0
10/24/03	53.47	0	3334.87	3281.40	3281.40	0.986	38800	0	0.495	0	0	0	0	0
01/12/04	53.55	0	3334.87	3281.32	3281.32	-	-	-	-	-	-	-	-	-
02/03/04	54.56	0	3334.87	3280.31	3280.31	-	-	-	-	-	-	-	-	-
02/09/04	54.61	0	3334.87	3280.26	3280.26	-	-	-	-	-	-	-	-	-
02/16/04	54.72	0	3334.87	3280.15	3280.15	-	-	-	-	-	-	-	-	-
02/20/04	54.01	0	3334.87	3280.86	3280.86	-	-	-	-	-	-	-	-	-
03/10/04	54.70	0	3334.87	3280.17	3280.17	-	-	-	-	-	-	-	-	-
03/22/04	54.88	0	3334.87	3279.99	3279.99	-	-	-	-	-	-	-	-	-
04/06/04	55.02	0	3334.87	3279.85	3279.85	-	-	-	-	-	-	-	-	-
04/19/04	55.03	0	3334.87	3279.84	3279.84	-	-	-	-	-	-	-	-	-
04/22/04	55.03	0	3334.87	3279.84	3279.84	1.25	37900	<0.100	1.00	<0.100	<0.000200	<0.125	<0.100	<0.0500
05/12/04	55.02	0	3334.87	3279.85	3279.85	-	-	-	-	-	-	-	-	-
07/26/04	55.22	0	3334.87	3279.65	3279.65	-	-	-	-	-	-	-	-	-
11/09/04	53.96	0	3334.87	3280.91	3280.91	0.340	16900	<0.0100	0.371	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTExACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-23	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/23/00	52.70	0	3334.45	3281.75	3281.75	0.006	-	-	-	-	-	-	-	-
03/22/01	52.70	0	3334.45	3281.75	3281.75	0.029	15000	0	0	0	0	0	0	0
10/16/01	51.92	0	3334.45	3282.53	3282.53	0.012	16100	0	0.0449	0	0	0	0.0199	0
04/15/02	53.08	0	3334.45	3281.37	3281.37	0.0098	20300	0	0	0	0	0	0	0
09/13/02	52.98	0	3334.45	3281.47	3281.47	0	17400	0	0	0	0	0	0	0
04/23/03	52.70	0	3334.45	3281.75	3281.75	0	13100	0	0.166	0	0	0	0	0
10/24/03	52.90	0	3334.45	3281.55	3281.55	0.0173	17200	0	0.22	0	0	0	0	0
01/12/04	52.94	0	3334.45	3281.51	3281.51									
02/03/04	54.32	0	3334.45	3280.13	3280.13									
02/09/04	54.39	0	3334.45	3280.06	3280.06									
02/16/04	54.40	0	3334.45	3280.05	3280.05									
02/20/04	54.52	0	3334.45	3279.93	3279.93									
03/10/04	54.66	0	3334.45	3279.79	3279.79									
03/22/04	54.71	0	3334.45	3279.74	3279.74									
04/06/04	54.79	0	3334.45	3279.66	3279.66									
04/19/04	54.86	0	3334.45	3279.59	3279.59									
04/22/04	54.86	0	3334.45	3279.59	3279.59	0.005	13500	<0.100	0.144	<0.100	<0.000200	<0.125	<0.100	<0.0500
05/12/04	54.94	0	3334.45	3279.51	3279.51									
07/26/04	55.20	0	3334.45	3279.25	3279.25									
11/09/04	54.85	0	3334.45	3279.60	3279.6	<0.00500	8500	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-24	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
10/16/01	52.11	0	3335.22	3283.11	3283.11	32.9	102	0.0016	2.19	0	0	0	0	0
04/15/02	53.29	0	3335.22	3281.93	3281.93	32.4	92.7	0	5.42	0	0	0	0	0
09/13/02	53.26	0	3335.22	3281.96	3281.96	39.7	99.4	0	5.74	0	0	0	0	0
04/28/03	53.12	0	3335.22	3282.10	3282.10	37.7	101	0	3.66	0	0	0	0	0
10/27/03	53.17	0	3335.22	3282.05	3282.05	26.6	133	0	3.79	0	0	0	0	0
02/20/04	53.19	0	3335.22	3282.03	3282.03									
04/06/04	53.16	0	3335.22	3282.06	3282.06									
04/19/04	53.13	0	3335.22	3282.09	3282.09									
04/23/04	53.13	0	3335.22	3282.09	3282.09	23.4	255	<0.0100	4.6	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
07/26/04	53.16	0	3335.22	3282.06	3282.06									
11/09/04	52.63	0	3335.22	3282.59	3282.59	18.5	269	<0.0100	5.6	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTExACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MW-25	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
10/16/01	51.46	0	3334.55	3283.09	3283.09	2.87	1510	0	0.407	0	0	0	0	0
04/15/02	52.68	0	3334.55	3281.87	3281.87	2.43	2340	0	0.161	0	0	0	0	0
09/13/02	52.60	0	3334.55	3281.95	3281.95	2.61	2040	0	0.167	0	0	0	0	0
04/28/03	52.41	0	3334.55	3282.14	3282.14	4.49	2350	0	0.328	0	0	0	0	0
10/27/03	52.59	0	3334.55	3281.96	3281.96	2.72	1540	0	0.15	0	0	0	0	0
02/20/04	52.64	0	3334.55	3281.91	3281.91									
04/06/04	52.66	0	3334.55	3281.89	3281.89									
04/19/04	52.63	0	3334.55	3281.92	3281.92									
04/23/04	52.63	0	3334.55	3281.92	3281.92	2.76	2000	<0.0100	0.265	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
05/12/04	52.57	0	3334.55	3281.98	3281.98									
07/26/04	52.68	0	3334.55	3281.87	3281.87									
11/09/04	52.06	0	3334.55	3282.49	3282.49	2.12	3900	<0.0100	0.166	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-26	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
10/16/01	50.15	0	3333.16	3283.01	3283.01	7.69	661	0.0259	0.95	0	0	0	0	0
04/15/02	51.47	0	3333.16	3281.69	3281.69	6.76	751	0	3.92	0	0.00048	0	0	0
09/13/02	51.45	0	3333.16	3281.71	3281.71	7.72	667	0	5.00	0.02	0	0	0	0
04/30/03	51.32	0	3333.16	3281.84	3281.84	7.99	688	0	5.26	0	0	0	0	0
10/27/03	51.44	0	3333.16	3281.72	3281.72	5.78	801	0	4.13	0	0	0	0	0
02/20/04	51.47	0	3333.16	3281.69	3281.69									
04/06/04	51.44	0	3333.16	3281.72	3281.72									
04/19/04	51.42	0	3333.16	3281.74	3281.74									
04/23/04	51.42	0	3333.16	3281.74	3281.74	6.78	682	<0.0100	4.94	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
07/26/04	51.44	0	3333.16	3281.72	3281.72									
11/11/04	50.88	0	3333.16	3282.28	3282.28	6.02	690	<0.0100	4.32	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-27	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
10/16/01	50.13	0	3333.18	3283.05	3283.05	7.59	1250	0.129	0.14	0	0	0	0	0
04/15/02	51.43	0	3333.18	3281.75	3281.75	12.8	1050	0.174	0.161	0	0.00042	0	0	0
09/13/02	51.38	0	3333.18	3281.80	3281.80	13.0	818	0.215	0.226	0	0.00033	0	0	0
04/30/03	51.24	0	3333.18	3281.94	3281.94	21.2	815	0	0.131	0	0.00038	0	0	0
10/27/03	51.37	0	3333.18	3281.81	3281.81	11.2	1270	0.105	0.147	0	0.00044	0	0	0
02/20/04	51.40	0	3333.18	3281.78	3281.78									
04/06/04	51.39	0	3333.18	3281.79	3281.79									
04/19/04	51.36	0	3333.18	3281.82	3281.82									
04/23/04	51.36	0	3333.18	3281.82	3281.82	14.4	1120	<0.0100	0.124	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
04/23/04	51.40	0	3333.18	3281.78	3281.78									
11/11/04	50.78	0	3333.18	3282.40	3282.40	14.1	1070	<0.0100	0.11	<0.0100	0.00052	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
 CHEVRONTEXACO - Eunice #1 (South) Gas Plant
 Lea County, New Mexico

MW-28	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
10/16/01	50.01	0	3333.04	3283.03	3283.03	15.5	1130	0.2	0.294	0	0	0	0	0
04/15/02	51.35	0	3333.04	3281.69	3281.69	24.8	1340	0.214	0.25	0	0.00047	0	0	0
09/13/02	51.82	0	3333.04	3281.22	3281.22	37.0	1420	0.240	0.309	0	0	0	0	0
04/21/03	51.49	0.46	3333.04	3281.55	3281.09	-	-	-	-	-	-	-	-	-
10/20/03	51.73	0.05	3333.04	3281.31	3281.26	-	-	-	-	-	-	-	-	-
<i>Installed Ferret pump</i>														
04/06/04	56.42	54.89	3333.04	3276.62	3221.73									
04/19/04	55.23	0.17	3333.04	3277.81	3277.64									
07/26/04	<i>Pump</i>													
11/02/04	<i>Pump</i>													
MW-29	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
11/08/04	52.48		3334.01			<0.00100	369	<0.0100	1.05	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-30	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
11/05/04	55.68		3336.49			<0.00100	331	<0.0100	6.55	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MW-31	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
11/08/04	54.20		3334.52			0.367	382	<0.0100	2.63	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

TMW-1	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
12/07/95	56.32	0		3337.70	3281.38	3281.38	0	650	0.0223	0.346	0	0	0	0.014	0
06/06/96	55.70	0		3337.70	3282.00	3282.00	0.0038	649	0.3243	0.0519	0	0	0	0	0
06/02/97	55.72	0		3337.70	3281.98	3281.98	0.009	460	0	0	0	0	0	0	0
08/23/00	55.62	0		3337.70	3282.08	3282.08	0	430	0	0.38	0	0	0	0	0
03/22/01	55.49	0		3337.70	3282.21	3282.21	0.012	380	0	0.645	0	0	0	0	0
10/16/01	54.01	0		3337.70	3283.69	3283.69	0.0204	324	0.0282	0.626	0	0	0	0	0
04/15/02	55.53	0		3337.70	3282.17	3282.17	0.0177	411	0	0.624	0	0	0	0	0
09/13/02	55.46	0		3337.70	3282.24	3282.24	0.0367	916	0.0562	0.998	0	0	0	0	0
04/22/03	55.28	0		3337.70	3282.42	3282.42	0.0132	378	0	0.918	0	0	0	0	0
10/22/03	55.33	0		3337.70	3282.37	3282.37	0	397	0	1.01	0	0	0	0	0
02/20/04	55.30	0		3337.70	3282.40	3282.40									
4/6/2004	55.30	0		3337.70	3282.40	3282.40									
4/19/2004	55.25	0		3337.70	3282.45	3282.45									
4/20/2004	55.25	0		3337.70	3282.45	3282.45	0.0202	1760	<0.0100	1.17	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
7/26/2004	55.28	0		3337.70	3282.42	3282.42									
11/9/2004	54.91	0		3337.70	3282.79	3282.79	0.0102	1010	<0.0100	1.19	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
TMW-2	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
12/07/95	56.71	0		3338.30	3281.59		0.0589	545	0.0268	0.807	0	0	0	0.009	0.01
06/06/96	56.34	0		3338.30	3281.96		1.07	1020	0.031	2.08	0	0	0	0	0
06/02/97	56.35	0		3338.30	3281.95		2.7	730	0	3.0	0	0	0	0	0
08/23/00	56.26	0.01		3338.30	3282.04	3282.03									
03/22/01	56.13	0		3338.30	3282.17		1.87	660	0	4.66	0	0	0	0	0
10/16/01	56.02	0		3338.30	3282.28		1.82	720	0.0231	5.76	0.0155	0	0	0	0
04/15/02	56.27	trace		3338.30	3282.03										
09/13/02	56.13	0.01		3338.30	3282.17	3282.16									
04/21/03	55.96	trace		3338.30	3282.34										
10/20/03	56.03	0.02		3338.30	3282.27	3282.25									
02/20/04	56.00	0.01		3338.30	3282.30	3282.29									
04/06/04	55.99	0.01		3338.30	3282.31	3282.30									
04/19/04	55.87	0.01		3338.30	3282.43	3282.42									
07/26/04	55.98	0.01		3338.30	3282.32	3282.31									
11/02/04	55.49	0.01		3338.30	3282.81	3282.80									

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
 CHEVRONTEXACO - Eunice #1 (South) Gas Plant
 Lea County, New Mexico

TMW-3	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
12/07/95	55.95	0	3336.67	3280.72	3280.72	0.048	685	0.0293	1.14	0.0251	0.0002	0	0.016	0
06/06/96	54.71	0	3336.67	3281.96	3281.96	0.861	1490	0.0464	1.77	0.0213	0	0	0	0
06/02/97	54.74	0	3336.67	3281.93	3281.93	0.428	870	0	1.0	0	0	0	0	0
08/23/00	54.65	0	3336.67	3282.02	3282.02	1.02	680	0	2.6	0	0	0	0	0
03/22/01	54.46	0	3336.67	3282.21	3282.21	1.06	900	0	2.13	0	0	0	0	0
10/16/01	53.3	0	3336.67	3283.37	3283.37	1.18	741	0.0167	2.46	0	0	0	0	0
04/15/02	54.61	0	3336.67	3282.06	3282.06	0.353	897	0	1.84	0	0	0	0	0
09/13/02	54.55	0	3336.67	3282.12	3282.12	0.0417	1400	0.0555	1.33	0	0	0	0	0
04/28/03	54.35	0	3336.67	3282.32	3282.32	0.328	897	0	3.31	0	0	0	0	0
10/27/03	54.45	0	3336.67	3282.22	3282.22	0.0189	630	0.031	2.83	0	0	0	0	0
02/20/04	54.46	0	3336.67	3282.21	3282.21									
04/06/04	54.47	0	3336.67	3282.20	3282.20									
04/19/04	54.42	0	3336.67	3282.25	3282.25									
04/23/04	54.42	0	3336.67	3282.25	3282.25	<0.00100	633	<0.0100	3.41	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
07/26/04	54.44	0	3336.67	3282.23	3282.23									
11/09/04	53.96	0	3336.67	3282.71	3282.71	<0.00100	605	<0.0100	2.33	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
TMW-5	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
12/07/95	51.71	0	3335.66	3283.95		0.106	1800	0.0783	0.456	0	0	0	0	0
06/06/96	53.70	0	3335.66	3281.96		0.388	3250	0.0716	1.04	0	0	0	0	0
06/02/97	53.77	0	3335.66	3281.89		0.48	4300	0	0.9	0	0	0	0	0
08/23/00	53.78	0	3335.66	3281.88		0.675	3600	0.05	1.1	0	0	0	0	0
03/22/01	53.59	trace	3335.66	3282.07		-	-	-	-	-	-	-	-	-
10/16/01	53.67	trace	3335.66	3281.99		-	-	-	-	-	-	-	-	-
04/15/02	53.83	trace	3335.66	3281.83		-	-	-	-	-	-	-	-	-
09/13/02	53.78	0.01	3335.66	3281.88	3281.87	-	-	-	-	-	-	-	-	-
04/21/03	53.51	0.01	3335.66	3282.15	3282.14	-	-	-	-	-	-	-	-	-
10/20/03	53.67	0.01	3335.66	3281.99	3281.98	-	-	-	-	-	-	-	-	-
01/12/04	53.73	0.01	3335.66	3281.93	3281.92									
02/03/04	53.74	0.01	3335.66	3281.92	3281.91									
02/09/04	53.75	0.03	3335.66	3281.91	3281.88									
02/16/04	53.77	0.03	3335.66	3281.89	3281.86									
02/20/04	53.79	trace	3335.66	3281.87										
03/10/04	53.80	0.03	3335.66	3281.86	3281.83									
03/22/04	53.84	0.01	3335.66	3281.82	3281.81									
4/6/2004	53.87	0	3335.66	3281.79	3281.79									
4/19/2004	53.86	0.01	3335.66	3281.80	3281.79									
5/12/2004	53.83	0.01	3335.66	3281.83	3281.82									
7/26/2004	53.94	0.02	3335.66	3281.72	3281.70									
11/2/2004	53.45	0.02	3335.66	3282.21	3282.19									

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1
Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

TMW-6	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
12/07/95	55.62	0.00	3335.36	3279.74	3279.74	0.015	700	0.323	1.36	0.0316	0	0	0.003	0
06/06/96	53.41	0	3335.36	3281.95	3281.95	1.11	788	0.0693	1.72	0	0	0	0	0
06/02/97	53.40	0	3335.36	3281.96	3281.96	2.10	730	0	1.3	0	0	0	0	0
08/23/00	53.33	0	3335.36	3282.03	3282.03	4.68	380	0.13	2.6	0	0	0	0	0
03/22/01	53.15	0	3335.36	3282.21	3282.21	5.93	400	0.143	1.9	0	0	0	0	0
10/16/01	52.14	0	3335.36	3283.22	3283.22	4.76	319	0.131	1.98	0	0	0	0	0
04/15/02	53.27	trace	3335.36	3282.09	3282.09	3.73	503	0.123	1.61	0	0	0	0	0
09/13/02	53.21	0	3335.36	3282.15	3282.15	3.62	821	0.126	1.40	0	0	0	0	0
04/28/03	53.02	0	3335.36	3282.34	3282.34	3.63	311	0.124	2.51	0	0	0	0	0
10/27/03	53.08	0	3335.36	3282.28	3282.28	3.88	567	0.173	1.53	0	0	0	0	0
02/20/04	53.11	0	3335.36	3282.25	3282.25									
04/06/04	53.09	0	3335.36	3282.27	3282.27									
04/19/04	53.00	0	3335.36	3282.36	3282.36									
04/23/04	53.00	0	3335.36	3282.36	3282.36	3.66	684	<0.0100	1.9	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
07/26/04	53.07	0	3335.36	3282.29	3282.29									
11/09/04	52.51	0	3335.36	3282.85	3282.85	4.17	417	0.124	1.45	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l
(-) Not Analyzed
Waterlevels, PSH Thickness and Elevations - (ft)
(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
 CHEVRONTEXACO - Eunice #1 (South) Gas Plant
 Lea County, New Mexico

WW-1	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
09/10/96	51.7	0	0	3332.04	3280.34	3280.34	0.105	-	0	0.97	0	0	0	0	0
05/28/97	50.97	0	0	3332.04	3281.07	3281.07	0.107	4500	0	0.6	0	0	1.4	0	0
12/07/98	51.21	0	0	3332.04	3280.83	3280.83	-	-	-	-	-	-	-	-	-
08/23/00	49.24	0	0	3332.04	3282.80	3282.80	-	3100	0	1.1	0	0	0	0	0
03/22/01	49.95	0	0	3332.04	3282.09	3282.09	-	-	-	-	-	-	-	-	-
10/16/01	48.72	0	0	3332.04	3283.32	3283.32	-	-	-	-	-	-	-	-	-
04/15/02	50.00	0	0	3332.04	3282.04	3282.04	-	-	-	-	-	-	-	-	-
09/13/02	49.99	0	0	3332.04	3282.05	3282.05	-	-	-	-	-	-	-	-	-
04/21/03	49.85	0	0	3332.04	3282.19	3282.19	-	-	-	-	-	-	-	-	-
10/20/03	49.98	0	0	3332.04	3282.06	3282.06	-	-	-	-	-	-	-	-	-
02/20/04	49.97	0	0	3332.04	3282.07	3282.07	-	-	-	-	-	-	-	-	-
4/6/2004	49.66	0	0	3332.04	3282.38	3282.38	-	-	-	-	-	-	-	-	-
4/19/2004	49.87	0	0	3332.04	3282.17	3282.17	-	-	-	-	-	-	-	-	-
7/26/2004	49.94	0	0	3332.04	3282.10	3282.10	-	-	-	-	-	-	-	-	-
11/2/2004	49.3	0	0	3332.04	3282.74	3282.74	-	-	-	-	-	-	-	-	-
WW-2	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
09/10/96	49.30	0	0	3331.46	3282.16	3282.16	0	-	0	0.49	0	0	0	0	0
05/28/97	49.94	0	0	3331.46	3281.52	3281.52	0	200	0	0.6	0	0	0	0	0
12/07/98	50.31	0	0	3331.46	3281.15	3281.15	-	-	-	-	-	-	-	-	-
08/23/00	48.16	0	0	3331.46	3283.30	3283.30	-	-	-	-	-	-	-	-	-
03/22/01	49.66	0	0	3331.46	3281.80	3281.80	-	-	-	-	-	-	-	-	-
10/16/01	48.54	0	0	3331.46	3282.92	3282.92	-	-	-	-	-	-	-	-	-
04/15/02	50.24	0	0	3331.46	3281.22	3281.22	-	-	-	-	-	-	-	-	-
09/13/02	50.21	0	0	3331.46	3281.25	3281.25	-	-	-	-	-	-	-	-	-
04/21/03	50.25	0	0	3331.46	3281.21	3281.21	-	-	-	-	-	-	-	-	-
10/20/03	50.43	0	0	3331.46	3281.03	3281.03	-	-	-	-	-	-	-	-	-
02/20/04	50.46	0	0	3331.46	3281.00	3281.00	-	-	-	-	-	-	-	-	-
04/06/04	50.44	0	0	3331.46	3281.02	3281.02	-	-	-	-	-	-	-	-	-
04/19/04	50.28	0	0	3331.46	3281.18	3281.18	-	-	-	-	-	-	-	-	-
07/26/04	50.48	0	0	3331.46	3280.98	3280.98	-	-	-	-	-	-	-	-	-
11/02/04	49.81	0	0	3331.46	3281.65	3281.65	-	-	-	-	-	-	-	-	-

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

WW-3	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
09/10/96	53.35	0	3334.45	3281.10	3281.10	0.033	-	0	2	0	0	0	0	0
05/28/97	53.30	0	3334.45	3281.15	3281.15	0.011	120	0	0.8	0	0	0	0	0
12/07/98	53.44	0	3334.45	3281.01	3281.01	-	-	-	-	-	-	-	-	-
08/23/00	52.97	0	3334.45	3281.48	3281.48	-	88	0	1.3	0	0	0	0	0
03/22/01	53.28	0	3334.45	3281.17	3281.17	-	-	-	-	-	-	-	-	-
10/16/01	52.14	0	3334.45	3282.31	3282.31	-	-	-	-	-	-	-	-	-
04/15/02	53.33	0	3334.45	3281.12	3281.12	-	-	-	-	-	-	-	-	-
09/13/02	53.43	0	3334.45	3281.02	3281.02	-	-	-	-	-	-	-	-	-
04/21/03	53.38	0	3334.45	3281.07	3281.07	-	-	-	-	-	-	-	-	-
10/20/03	53.41	0	3334.45	3281.04	3281.04	-	-	-	-	-	-	-	-	-
02/20/04	53.43	0	3334.45	3281.02	3281.02	-	-	-	-	-	-	-	-	-
04/06/04	53.41	0	3334.45	3281.04	3281.04	-	-	-	-	-	-	-	-	-
04/19/04	53.41	0	3334.45	3281.04	3281.04	-	-	-	-	-	-	-	-	-
07/26/04	53.41	0	3334.45	3281.04	3281.04	-	-	-	-	-	-	-	-	-
11/02/04	53.14	0	3334.45	3281.31	3281.31	-	-	-	-	-	-	-	-	-
WW-4	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
09/10/96	-	-	-	-	-	0	-	0	0	0	0	0	0	0
05/28/97	56.51	0	3335.40	3278.89	3278.89	0	-	0	0	0	0	0	0	0
12/07/98	56.45	0	3335.40	3278.95	3278.95	-	-	-	-	-	-	-	-	-
08/23/00	56.46	0	3335.40	3278.94	3278.94	-	-	-	-	-	-	-	-	-
03/22/01	56.31	0	3335.40	3279.09	3279.09	-	-	-	-	-	-	-	-	-
10/16/01	55.29	0	3335.40	3280.11	3280.11	-	-	-	-	-	-	-	-	-
04/15/02	56.40	0	3335.40	3279.00	3279.00	-	-	-	-	-	-	-	-	-
09/13/02	56.44	0	3335.40	3278.96	3278.96	-	-	-	-	-	-	-	-	-
4/21/03	56.42	0	3335.40	3278.98	3278.98	-	-	-	-	-	-	-	-	-
10/20/03	53.43	0	3335.40	3281.97	3281.97	-	-	-	-	-	-	-	-	-
2/20/04	56.44	0	3335.40	3278.96	3278.96	-	-	-	-	-	-	-	-	-
4/6/2004	56.40	0	3335.40	3279.00	3279.00	-	-	-	-	-	-	-	-	-
4/19/2004	56.40	0	3335.40	3279.00	3279.00	-	-	-	-	-	-	-	-	-
7/26/2004	56.48	0	3335.40	3278.92	3278.92	-	-	-	-	-	-	-	-	-
11/2/2004	56.51	0	3335.40	3278.89	3278.89	-	-	-	-	-	-	-	-	-

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

WW-5	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
09/10/96	-	0				0.018	0	0	0	0	0	0	0	0
05/28/97	53.81	0	3334.18	3280.37	3280.37	0.009	1200	0	0.3	0	0	0	0	0
12/07/98	53.90	0	3334.18	3280.28	3280.28	-	-	-	-	-	-	-	-	-
08/23/00	53.54	0	3334.18	3280.64	3280.64	0	1000	0	2.7	0	0	0	0	0
03/22/01	53.72	0	3334.18	3280.46	3280.46	-	-	-	-	-	-	-	-	-
10/16/01	52.58	0	3334.18	3281.60	3281.60	-	-	-	-	-	-	-	-	-
04/15/02	53.83	0	3334.18	3280.35	3280.35	-	-	-	-	-	-	-	-	-
09/13/02	53.85	0	3334.18	3280.33	3280.33	-	-	-	-	-	-	-	-	-
04/21/03	53.81	0	3334.18	3280.37	3280.37	-	-	-	-	-	-	-	-	-
10/20/03	53.88	0	3334.18	3280.30	3280.30	-	-	-	-	-	-	-	-	-
02/20/04	53.90	0	3334.18	3280.28	3280.28	-	-	-	-	-	-	-	-	-
4/6/2004	53.86	0	3334.18	3280.32	3280.32	-	-	-	-	-	-	-	-	-
4/19/2004	53.86	0	3334.18	3280.32	3280.32	-	-	-	-	-	-	-	-	-
7/26/2004	53.91	0	3334.18	3280.27	3280.27	-	-	-	-	-	-	-	-	-
11/2/2004	53.81	0	3334.18	3280.37	3280.37	-	-	-	-	-	-	-	-	-
WW-6	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
09/10/96	-	0	3329.98	-	-	-	-	-	-	-	-	-	-	-
05/28/97	50.46	0	3329.98	3279.52	3279.52	0	970	0	0.3	0	0	0	0	0
12/07/98	50.64	0	3329.98	3279.34	3279.34	-	-	-	-	-	-	-	-	-
08/23/00	50.61	0	3329.98	3279.37	3279.37	-	-	-	-	-	-	-	-	-
03/22/01	50.51	0	3329.98	3279.47	3279.47	-	-	-	-	-	-	-	-	-
10/16/01	49.51	0	3329.98	3280.47	3280.47	-	-	-	-	-	-	-	-	-
04/15/02	50.67	0	3329.98	3279.31	3279.31	-	-	-	-	-	-	-	-	-
09/13/02	50.66	0	3329.98	3279.32	3279.32	-	-	-	-	-	-	-	-	-
04/21/03	50.61	0	3329.98	3279.37	3279.37	-	-	-	-	-	-	-	-	-
10/20/03	50.71	0	3329.98	3279.27	3279.27	-	-	-	-	-	-	-	-	-
02/20/04	50.74	0	3329.98	3279.24	3279.24	-	-	-	-	-	-	-	-	-
4/6/2004	50.69	0	3329.98	3279.29	3279.29	-	-	-	-	-	-	-	-	-
4/19/2004	50.71	0	3329.98	3279.27	3279.27	-	-	-	-	-	-	-	-	-
7/26/2004	50.82	0	3329.98	3279.16	3279.16	-	-	-	-	-	-	-	-	-
11/2/2004	50.74	0	3329.98	3279.24	3279.24	-	-	-	-	-	-	-	-	-

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

WW-7	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
09/10/96	-	-	0	3332.50	-	-	0	-	-	-	-	-	-	-	-
05/28/97	51.14	0	0	3332.50	3281.36	3281.36	0	490	0	0.30	0	0	0	0	0
12/07/98	51.45	0	0	3332.50	3281.05	3281.05	-	-	-	-	-	-	-	-	-
08/23/00	46.61	0	0	3332.50	3285.89	3285.89	0	480	0	0.42	0	0	0	0	0
03/22/01	50.98	0	0	3332.50	3281.52	3281.52	-	-	-	-	-	-	-	-	-
10/16/01	49.85	0	0	3332.50	3282.65	3282.65	-	-	-	-	-	-	-	-	-
04/15/02	51.37	0	0	3332.50	3281.13	3281.13	-	-	-	-	-	-	-	-	-
09/13/02	51.39	0	0	3332.50	3281.11	3281.11	-	-	-	-	-	-	-	-	-
04/21/03	51.37	0	0	3332.50	3281.13	3281.13	-	-	-	-	-	-	-	-	-
10/20/03	51.52	0	0	3332.50	3280.98	3280.98	-	-	-	-	-	-	-	-	-
02/20/04	51.56	0	0	3332.50	3280.94	3280.94	-	-	-	-	-	-	-	-	-
4/6/2004	51.55	0	0	3332.50	3280.95	3280.95	-	-	-	-	-	-	-	-	-
4/19/2004	51.43	0	0	3332.50	3281.07	3281.07	-	-	-	-	-	-	-	-	-
7/26/2004	51.56	0	0	3332.50	3280.94	3280.94	-	-	-	-	-	-	-	-	-
11/2/2004	51.00	0	0	3332.50	3281.5	3281.50	-	-	-	-	-	-	-	-	-

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

RW-1	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
12/07/98	53.66	0	3335.19	3281.53	3281.53	-	-	-	-	-	-	-	-	-
08/23/00	53.20	0	3335.19	3281.99	3281.99	-	-	-	-	-	-	-	-	-
03/22/01	53.17	0.01	3335.19	3282.02	3282.01	-	-	-	-	-	-	-	-	-
10/16/01	53.04	0.04	3335.19	3282.15	3282.11	-	-	-	-	-	-	-	-	-
04/15/02	53.22	0.06	3335.19	3281.97	3281.91	-	675	0	2.66	0	0	0	0	0
09/13/02	53.2	0.05	3335.19	3281.99	3281.94	-	-	-	-	-	-	-	-	-
04/21/03	53.08	0.07	3335.19	3282.11	3282.04	-	-	-	-	-	-	-	-	-
10/20/03	53.18	0.1	3335.19	3282.01	3281.91	-	-	-	-	-	-	-	-	-
02/20/04	53.19	0.1	3335.19	3282.00	3281.90	-	-	-	-	-	-	-	-	-
04/06/04	53.14	0.08	3335.19	3282.05	3281.97	-	-	-	-	-	-	-	-	-
04/19/04	53.12	0.09	3335.19	3282.07	3281.98	-	-	-	-	-	-	-	-	-
07/26/04	53.19	0.07	3335.19	3282.00	3281.93	-	-	-	-	-	-	-	-	-
11/02/04	52.63	0.12	3335.19	3282.56	3282.44	-	-	-	-	-	-	-	-	-
RW-2	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
10/16/01	55.95	0	3337.84	3281.89	3281.89	-	-	-	-	-	-	-	-	-
04/15/02	56.11	0	3337.84	3281.73	3281.73	-	-	-	-	-	-	-	-	-
09/13/02	57.57	1.83	3337.84	3280.27	3278.44	-	-	-	-	-	-	-	-	-
04/21/03	57.60	2.04	3337.84	3280.24	3278.20	-	-	-	-	-	-	-	-	-
10/20/03	57.71	2.09	3337.84	3280.13	3278.04	-	-	-	-	-	-	-	-	-
02/20/04	56.03	0.01	3337.84	3281.81	3281.80	-	-	-	-	-	-	-	-	-
4/6/2004	57.31	0.36	3337.84	3280.53	3280.17	-	-	-	-	-	-	-	-	-
4/19/2004	57.32	0.52	3337.84	3280.52	3280.00	-	-	-	-	-	-	-	-	-
11/2/2004	Pump													
RW-3	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
10/16/01	56.84	0.97	3338.06	3281.22	3280.25	-	-	-	-	-	-	-	-	-
04/15/02	57.92	2.04	3338.06	3280.14	3278.10	-	-	-	-	-	-	-	-	-
09/13/02	58.7	3.08	3338.06	3279.36	3276.28	-	-	-	-	-	-	-	-	-
04/21/03	58.55	3.07	3338.06	3279.51	3276.44	-	-	-	-	-	-	-	-	-
10/20/03	58.66	3.09	3338.06	3279.40	3276.31	-	-	-	-	-	-	-	-	-
02/20/04	56.22	0	3338.06	3281.84	3281.84	-	-	-	-	-	-	-	-	-
4/6/2004	57.36	0.11	3338.06	3280.70	3280.59	-	-	-	-	-	-	-	-	-
4/19/2004	57.14	0.08	3338.06	3280.92	3280.84	-	-	-	-	-	-	-	-	-
11/2/2004	Pump													

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
 CHEVRONTEXACO - Eunice #1 (South) Gas Plant
 Lea County, New Mexico

RW-4	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
10/16/01	54.56	0	3336.10	3281.54	3281.34	-	-	-	-	-	-	-	-	-
04/15/02	54.83	0	3336.10	3281.27	3281.27	-	-	-	-	-	-	-	-	-
09/13/02	54.73	trace	3336.10	3281.37	-	-	-	-	-	-	-	-	-	-
04/21/03	54.55	0	3336.10	3281.55	3281.55	-	-	-	-	-	-	-	-	-
10/20/03	54.76	0	3336.10	3281.34	3281.34	-	-	-	-	-	-	-	-	-
02/20/04	54.85	0.05	3336.10	3281.25	3281.20	-	-	-	-	-	-	-	-	-
4/6/2004	55.86	5.85	3336.10	3280.24	3274.39	-	-	-	-	-	-	-	-	-
4/19/2004	57.08	2.18	3336.10	3279.02	3276.84	-	-	-	-	-	-	-	-	-
11/2/2004	Pump													
RW-5	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
10/16/01	58.8	3.53	3337.98	3279.18	3275.65	-	-	-	-	-	-	-	-	-
04/15/02	59.55	4.14	3337.98	3278.43	3274.29	-	-	-	-	-	-	-	-	-
09/13/02	59.61	4.28	3337.98	3278.37	3274.09	-	-	-	-	-	-	-	-	-
04/21/03	59.21	3.95	3337.98	3278.77	3274.82	-	-	-	-	-	-	-	-	-
10/20/03	59.4	4.05	3337.98	3278.58	3274.53	-	-	-	-	-	-	-	-	-
<i>Installed Ferret pump</i>														
4/6/2004	56.46	0.12	3337.98	3281.52	3281.40	-	-	-	-	-	-	-	-	-
4/19/2004	56.77	0.57	3337.98	3281.21	3280.64	-	-	-	-	-	-	-	-	-
11/2/2004	Pump													

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MWD-1	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/29/01	-	-	0	3335.26	-	-	-	19800	0	0	0	0	0	0	0
10/16/01	52.44	0	0	3335.26	3282.82	3282.82	0.006	5790	0	0.0681	0	0	0	0.022	0
04/15/02	53.56	0	0	3335.26	3281.70	3281.70	0.0025	16100	0	0	0	0	0	0	0
09/13/02	53.53	0	0	3335.26	3281.73	3281.73	0	17800	0	0	0	0	0	0	0
04/23/03	53.26	0	0	3335.26	3282.00	3282.00	0.0011	17300	0	0.141	0.01	0	0	0	0
10/23/03	53.34	0	0	3335.26	3281.92	3281.92	0	14700	0	0.113	0	0	0	0	0
01/12/04	53.35	0	0	3335.26	3281.91	3281.91	-	-	-	-	-	-	-	-	-
02/03/04	53.48	0	0	3335.26	3281.78	3281.78	-	-	-	-	-	-	-	-	-
02/09/04	53.57	0	0	3335.26	3281.69	3281.69	-	-	-	-	-	-	-	-	-
02/16/04	53.64	0	0	3335.26	3281.62	3281.62	-	-	-	-	-	-	-	-	-
02/20/04	53.68	0	0	3335.26	3281.58	3281.58	-	13500	-	-	-	-	-	-	-
03/10/04	53.78	0	0	3335.26	3281.48	3281.48	-	-	-	-	-	-	-	-	-
03/22/04	53.83	0	0	3335.26	3281.43	3281.43	-	-	-	-	-	-	-	-	-
4/6/2004	53.90	0	0	3335.26	3281.36	3281.36	-	-	-	-	-	-	-	-	-
4/19/2004	53.95	0	0	3335.26	3281.31	3281.31	-	-	-	-	-	-	-	-	-
4/21/2004	53.95	0	0	3335.26	3281.31	3281.31	<0.00100	12800	<0.100	0.107	<0.100	<0.000200	<0.125	<0.100	<0.0500
5/12/2004	54.01	0	0	3335.26	3281.25	3281.25	-	14000	-	-	-	-	-	-	-
7/26/2004	54.16	0	0	3335.26	3281.1	3281.1	-	15100	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
11/3/2004	54.08	0	0	3335.26	3281.18	3281.18	<0.00100	15100	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MWD-2	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/29/01	-	-	0	3336.32	-	-	-	25500	0	0	0	0	0	0	0
10/16/01	53.33	0	0	3336.32	3282.99	3282.99	0.0076	3290	0	0	0	0	0	0	0
04/15/02	54.47	0	0	3336.32	3281.85	3281.85	0.0012	22300	0	0	0	0	0	0	0
09/13/02	54.43	0	0	3336.32	3281.89	3281.89	0	22800	0	0.101	0	0	0	0	0
04/24/03	54.15	0	0	3336.32	3282.17	3282.17	0.0045	22100	0	0.206	0.01	0	0	0	0
10/23/03	54.25	0	0	3336.32	3282.07	3282.07	0	19800	0	0.164	0	0	0	0	0
01/12/04	54.26	0	0	3336.32	3282.06	3282.06	-	-	-	-	-	-	-	-	-
02/03/04	54.29	0	0	3336.32	3282.03	3282.03	-	-	-	-	-	-	-	-	-
02/09/04	54.32	0	0	3336.32	3282.00	3282.00	-	-	-	-	-	-	-	-	-
02/16/04	54.35	0	0	3336.32	3281.97	3281.97	-	-	-	-	-	-	-	-	-
02/20/04	54.38	0	0	3336.32	3281.94	3281.94	-	21100	-	-	-	-	-	-	-
03/10/04	54.46	0	0	3336.32	3281.86	3281.86	-	-	-	-	-	-	-	-	-
03/22/04	54.5	0	0	3336.32	3281.82	3281.82	-	-	-	-	-	-	-	-	-
04/06/04	54.53	0	0	3336.32	3281.79	3281.79	-	-	-	-	-	-	-	-	-
04/19/04	54.58	0	0	3336.32	3281.74	3281.74	-	-	-	-	-	-	-	-	-
04/21/04	54.58	0	0	3336.32	3281.74	3281.74	0.001	22300	<0.100	0.164	<0.100	<0.000200	<0.125	<0.100	<0.0500
05/12/04	54.61	0	0	3336.32	3281.71	3281.71	-	-	-	-	-	-	-	-	-
07/26/04	54.71	0	0	3336.32	3281.61	3281.61	-	29500	-	-	-	-	-	-	-
11/03/04	54.52	0	0	3336.32	3281.80	3281.80	<0.00500	26400	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MWD-3	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/29/01	-	0	3335.06	-	-	-	55000	0	0	0	0	0	0	0
10/16/01	52.68	0	3335.06	3282.38	3282.38	0.329	12200	0.0169	0.226	0	0	0	0	0
04/15/02	53.74	0	3335.06	3281.32	3281.32	0.785	47600	0	0	0	0	0	0	0
09/13/02	53.40	0	3335.06	3281.66	3281.66	0.656	46600	0	0.122	0	0	0	0	0
04/28/03	53.30	0	3335.06	3281.76	3281.76	0.928	47600	0	0.333	0	0	0	0	0
10/28/03	53.66	0	3335.06	3281.40	3281.40	0.78	58300	0	0.072	0	0	0	0	0
01/12/04	53.75	0	3335.06	3281.31	3281.31									
02/03/04	68.50	0	3335.06	3266.56	3266.56									
02/09/04	65.55	0	3335.06	3269.51	3269.51									
02/16/04	65.50	0	3335.06	3269.56	3269.56									
02/20/04	54.18	0	3335.06	3280.88	3280.88	0.43	65100							
03/10/04	Pump	0	3335.06											
03/22/04	Pump	0	3335.06											
4/6/2004	Pump	0	3335.06				95700							
4/19/2004	Pump	0	3335.06											
4/22/2004	Pump	0	3335.06			1.11	39500	<0.100	0.637	<0.100	<0.000200	<0.125	<0.100	<0.0500
5/12/2004	Pump	0	3335.06											
7/26/2004	Pump	0	3335.06			0.644	94400							
11/9/2004	Pump	0	3335.06			0.576	77600	<0.0100	0.135	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MWD-4	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/29/01	-	0				-	921	0	0	0	0	0	0	0
10/16/01	48.2	0	3330.86	3282.66	3282.66	0	333	0	0	0	0	0	0	0
04/15/02	49.49	0	3330.86	3281.37	3281.37	0	688	0	0.430	0	0	0.0125	0	0
09/13/02	48.80	0	3330.86	3282.06	3282.06	0.0048	516	0	0.722	0	0	0	0	0
04/24/03	49.12	0	3330.86	3281.74	3281.74	0	521	0	0.973	0	0	0	0	0
10/24/03	49.51	0	3330.86	3281.35	3281.35	0	640	0	1.05	0	0	0	0	0
01/12/04	49.62	0	3330.86	3281.24	3281.24									
02/03/04	49.67	0	3330.86	3281.19	3281.19									
02/09/04	49.72	0	3330.86	3281.14	3281.14									
02/16/04	49.72	0	3330.86	3281.14	3281.14									
02/20/04	49.72	0	3330.86	3281.14	3281.14		411							
03/10/04	49.78	0	3330.86	3281.08	3281.08									
03/22/04	49.79	0	3330.86	3281.07	3281.07									
4/19/2004	49.83	0	3330.86	3281.03	3281.03									
4/19/2004	49.42	0	3330.86	3281.44	3281.44	<0.00100	397	<0.0100	1.22	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
4/22/2004	49.42	0	3330.86	3281.38	3281.38									
5/12/2004	49.48	0	3330.86	3280.95	3280.95		555							
7/26/2004	49.91	0	3330.86	3284.00	3284.00	<0.00500	344	<0.0100	0.944	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
11/5/2004	46.86	0	3330.86	3284.00	3284.00									

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1
Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MWD-5	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/29/01	-	0	3334.01	-	-	-	1280	0	0	0	0	0	0	0
10/16/01	51.08	0	3334.01	3282.93	3282.93	5.85	515	0.0113	4.44	0	0	0	0.155	0
04/15/02	52.68	0	3334.01	3281.33	3281.33	8.83	1140	0.104	0	0	0	0	0	0
09/13/02	52.62	trace	3334.01	3281.39	3281.39	-	-	-	-	-	-	-	-	-
04/30/03	52.59	trace	3334.01	3281.42	3281.42	9.58	1290	0.051	5.91	0	0.00027	0	0	0
10/28/03	52.78	0.02	3334.01	3281.23	3281.42	8.01	1120	0.079	4.54	0	0.00037	0	0	0
02/20/04	52.81	0	3334.01	3281.20	3281.42	-	-	-	-	-	-	-	-	-
4/6/2004	52.78	0	3334.01	3281.23	3281.42	-	-	-	-	-	-	-	-	-
4/19/2004	52.65	0	3334.01	3281.36	3281.42	-	-	-	-	-	-	-	-	-
4/26/2004	52.65	0	3334.01	3281.36	3281.42	5.82	1200	<0.0100	5.76	<0.0100	0.00036	<0.0125	<0.0100	<0.00500
7/26/2004	52.77	0	3334.01	3281.24	3281.42	-	-	-	-	-	-	-	-	-
11/9/2004	52.01	0	3334.01	3282.00	3281.42	7.35	1350	<0.0100	4.06	<0.0100	0.00052	<0.0125	<0.0500	<0.00500
MWD-6	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
08/29/01	-	0	3335.08	-	-	-	794	0	0	0	0	0	0	0
10/16/01	52.69	0	3335.08	3282.39	3282.39	0.761	403	0	0.961	0	0	0	0.0119	0
04/15/02	54.08	0	3335.08	3281.00	3281.00	0.143	758	0	0	0	0	0	0	0
09/13/02	54.03	0	3335.08	3281.05	3281.05	0.120	798	0	3.17	0	0	0	0	0
04/23/03	54.04	0	3335.08	3281.04	3281.04	0.181	895	0	3.72	0	0	0	0	0
10/23/03	54.13	0	3335.08	3280.95	3280.95	0.139	879	0	1.58	0	0	0	0	0
02/20/04	54.16	0	3335.08	3280.92	3280.92	-	-	-	-	-	-	-	-	-
4/6/2004	54.13	0	3335.08	3280.95	3280.95	-	-	-	-	-	-	-	-	-
4/19/2004	54.09	0	3335.08	3280.99	3280.99	-	-	-	-	-	-	-	-	-
4/21/2004	54.09	0	3335.08	3280.99	3280.99	0.288	739	<0.0100	1.81	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
7/26/2004	54.13	0	3335.08	3280.95	3280.95	-	-	-	-	-	-	-	-	-
11/5/2004	53.55	0	3335.08	3281.53	3281.53	0.121	824	<0.0100	0.266	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l
(-) Not Analyzed
Waterlevels, PSH Thickness and Elevations - (ft)
(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MWD-7	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
04/15/02	51.71	0	0	3332.82	3281.11	3281.11	0	936	0	0.608	0	0	0	0	0
09/13/02	51.69	0	0	3332.82	3281.13	3281.13	0	7620	0	0.106	0	0	0	0	0
04/22/03	51.42	0	0	3332.82	3281.40	3281.40	0	9840	0	0.074	0	0	0	0	0
10/22/03	51.52	0	0	3332.82	3281.30	3281.30	0	7400	0	0.052	0	0	0	0	0
01/12/04	51.53	0	0	3332.82	3281.29	3281.29	0								
02/03/04	51.57	0	0	3332.82	3281.25	3281.25	0								
02/09/04	51.61	0	0	3332.82	3281.21	3281.21	0								
02/16/04	51.65	0	0	3332.82	3281.17	3281.17	0								
02/20/04	51.69	0	0	3332.82	3281.13	3281.13	0	10200							
03/10/04	51.73	0	0	3332.82	3281.09	3281.09	0								
03/22/04	51.77	0	0	3332.82	3281.05	3281.05	0								
4/6/2004	51.81	0	0	3332.82	3281.01	3281.01	0								
4/19/2004	51.85	0	0	3332.82	3280.97	3280.97	0								
4/21/2004	51.85	0	0	3332.82	3280.97	3280.97	0								
5/12/2004	51.88	0	0	3332.82	3280.94	3280.94	0								
7/26/2004	52.01	0	0	3332.82	3280.81	3280.81	0	8910							
11/3/2004	51.79	0	0	3332.82	3281.03	3281.03	0	9610	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MWD-8	Water level	PSH	Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
04/15/02	54.22	0	0	3335.97	3281.75	3281.75	0	12800	0	0.117	0.0114	0	0	0	0
09/13/02	54.19	0	0	3335.97	3281.78	3281.78	0	12600	0	0.142	0.0136	0	0	0	0
04/23/03	53.96	0	0	3335.97	3282.01	3282.01	0.0017	14300	0	0.272	0.013	0	0	0	0
10/23/03	53.98	0	0	3335.97	3281.99	3281.99	0	11800	0	0.168	0	0	0	0	0
01/12/04	53.96	0	0	3335.97	3282.01	3282.01									
02/03/04	53.97	0	0	3335.97	3282.00	3282.00									
02/09/04	53.96	0	0	3335.97	3282.01	3282.01									
02/16/04	53.97	0	0	3335.97	3282.00	3282.00									
02/20/04	54.01	0	0	3335.97	3281.96	3281.96		11100							
03/10/04	54.01	0	0	3335.97	3281.96	3281.96									
03/22/04	54.04	0	0	3335.97	3281.93	3281.93									
04/06/04	54.05	0	0	3335.97	3281.92	3281.92									
04/19/04	54.08	0	0	3335.97	3281.89	3281.89									
04/21/04	54.08	0	0	3335.97	3281.89	3281.89	<0.00100	11400	<0.100	0.181	<0.100	<0.000200	<0.125	<0.100	<0.0500
05/12/04	54.08	0	0	3335.97	3281.89	3281.89									
07/26/04	54.12	0	0	3335.97	3281.85	3281.85		11900							
11/03/04	54.04	0	0	3335.97	3281.93	3281.93	<0.00100	13600	<0.0100	0.13	0.011	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
 CHEVRONTEXACO - Eunice #1 (South) Gas Plant
 Lea County, New Mexico

MWD-9	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
04/15/02	52.46	0	3333.45	3280.99	3280.99	0.0131	23400	0	0	0	0	0	0	0
09/13/02	52.33	0	3333.45	3281.12	3281.12	0	22800	0	0	0	0	0	0	0
04/25/03	52.08	0	3333.45	3281.37	3281.37	0.0577	23500	0	0.178	0	0	0	0	0
10/28/03	52.31	0	3333.45	3281.14	3281.14	0	29200	0	0.05	0	0	0	0	0
01/12/04	52.36	0	3333.45	3281.09	3281.09									
02/03/04	79.95	0	3333.45	3253.50	3253.50									
02/09/04	76.47	0	3333.45	3256.98	3256.98									
02/16/04	76.20	0	3333.45	3257.25	3257.25									
02/20/04	77.00	0	3333.45	3256.45	3256.45	<0.00100	55300							
03/10/04	Pump	0	3333.45											
03/22/04	Pump	0	3333.45											
04/06/04	Pump	0	3333.45											
04/19/04	Pump	0	3333.45											
04/22/04	Pump	0	3333.45			0.0034	48000	<1.00	<1.00	<1.00	<0.000200	<1.25	<1.00	<0.500
05/12/04	Pump	0	3333.45			0.0074	45000							
07/26/04	Pump	0	3333.45			0.0334	46400	<0.0100	<0.100	<0.0100	0.000021	<0.0125	<0.0500	<0.00500
11/09/04	Pump													
MWD-10	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
04/15/02	53.52	0	3334.92	3281.40	3281.40	0.369	7210	0.0558	0.436	0	0	0	0	0
09/13/02	53.44	0	3334.92	3281.48	3281.48	0.441	7800	0.0649	0.678	0	0	0	0	0
04/23/03	53.17	0	3334.92	3281.75	3281.75	0.637	8250	0	1.38	0	0	0	0	0
10/24/03	53.34	0	3334.92	3281.58	3281.58	0.667	9170	0	1.3	0	0	0	0	0
01/12/04	53.39	0	3334.92	3281.53	3281.53									
02/03/04	53.40	0	3334.92	3281.52	3281.52									
02/09/04	53.42	0	3334.92	3281.50	3281.50									
02/16/04	53.46	0	3334.92	3281.46	3281.46									
02/20/04	53.48	0	3334.92	3281.44	3281.44	0.683	8450							
03/10/04	53.47	0	3334.92	3281.45	3281.45									
03/22/04	53.50	0	3334.92	3281.42	3281.42									
04/06/04	53.55	0	3334.92	3281.37	3281.37									
04/19/04	53.55	0	3334.92	3281.37	3281.37	0.686	8530	<0.100	1.24	<0.100	<0.000200	<0.125	<0.100	<0.0500
04/23/04	53.55	0	3334.92	3281.40	3281.40									
05/12/04	53.52	0	3334.92	3281.32	3281.32	0.786	9060							
07/26/04	53.60	0	3334.92	3281.32	3281.32									
11/09/04	53.11	0	3334.92	3281.81	3281.81	0.875	7580	<0.0100	0.899	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTEXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MWD-11	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
04/15/02	56.39	0	3338.24	3281.85	3281.85	0	2580	0	0	0	0	0	0	0
09/13/02	56.33	0	3338.24	3281.91	3281.91	0	2700	0	0	0	0	0	0	0
04/22/03	56.14	0	3338.24	3282.10	3282.10	0	2760	0	0.133	0	0	0	0	0
10/21/03	56.15	0	3338.24	3282.09	3282.09	0	2050	0	0.104	0	0	0	0	0
02/20/04	56.15	0	3338.24	3282.09	3282.09									
04/06/04	56.13	0	3338.24	3282.11	3282.11									
04/19/04	56.13	0	3338.24	3282.11	3282.11									
04/20/04	56.13	0	3338.24	3282.11	3282.11	<0.00100	2460	<0.0100	0.109	<0.0100	<0.000200	<0.0125	<0.0100	<0.00500
07/26/04	56.13	0	3338.24	3282.11	3282.11									
11/03/04	55.97	0	3338.24	3282.27	3282.27	<0.00500	3230	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MWD-12	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
04/15/02	53.13	0	3334.08	3280.95	3280.95	0.507	5130	0	0.478					
09/13/02	52.94	0	3334.08	3281.14	3281.14	0.973	5300	0.0602	0.963					
04/24/03	52.80	0	3334.08	3281.28	3281.28	1.05	5760	0	1.35	0	0	0	0	0
10/23/03	53.00	0	3334.08	3281.08	3281.08	0.930	4750	0	0.897	0	0	0	0	0
01/12/04	53.14	0	3334.08	3280.94	3280.94									
02/03/04	53.14	0	3334.08	3280.94	3280.94									
02/09/04	53.15	0	3334.08	3280.93	3280.93									
02/16/04	53.18	0	3334.08	3280.90	3280.90									
02/20/04	53.24	0	3334.08	3280.84	3280.84	0.532	5350							
03/10/04	53.19	0	3334.08	3280.89	3280.89									
03/22/04	53.23	0	3334.08	3280.85	3280.85									
04/06/04	53.27	0	3334.08	3280.81	3280.81									
04/19/04	53.22	0	3334.08	3280.86	3280.86									
04/22/04	53.22	0	3334.08	3280.86	3280.86	0.524	5160	<0.100	0.759	<0.100	<0.000200	<0.125	<0.100	<0.0500
05/12/04	53.15	0	3334.08	3280.93	3280.93									
07/26/04	53.30	0	3334.08	3280.78	3280.78	0.542	2390							
11/03/04	52.46	0	3334.08	3281.62	3281.62	0.468	6630	<0.0100	0.457	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

(0) - BTEX and Total metals are below method detection limit

Table 1

Cumulative - Waterlevels, Elevation, BTEX and Total Metals
CHEVRONTXACO - Eunice #1 (South) Gas Plant
Lea County, New Mexico

MWD-13	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
04/15/02	51.24	0	3332.11	3280.87	3280.87	0.002	27900	0	0	0	0	0	0	0
09/13/02	50.95	0	3332.11	3281.16	3281.16	0	27100	0	0	0	0	0	0	0
04/24/03	50.80	0	3332.11	3281.31	3281.31	0.0031	29200	0	0.186	0.018	0	0	0	0
10/24/03	51.10	0	3332.11	3281.01	3281.01	0	20900	0	0.181	0	0	0	0	0
01/12/04	51.18	0	3332.11	3280.93	3280.93									
02/03/04	51.33	0	3332.11	3280.78	3280.78									
02/09/04	51.41	0	3332.11	3280.70	3280.70									
02/16/04	51.48	0	3332.11	3280.63	3280.63									
02/20/04	51.47	0	3332.11	3280.64	3280.64		17400							
03/10/04	51.67	0	3332.11	3280.44	3280.44									
03/22/04	51.75	0	3332.11	3280.36	3280.36									
04/06/04	51.85	0	3332.11	3280.26	3280.26									
04/19/04	51.90	0	3332.11	3280.21	3280.21									
04/22/04	51.90	0	3332.11	3280.21	3280.21	<0.00128	18000	<0.100	0.116	<0.100	<0.000200	<0.125	<0.100	<0.0500
05/12/04	51.92	0	3332.11	3280.19	3280.19									
07/26/04	52.15	0	3332.11	3279.96	3279.96		17100							
11/05/04	51.01	0	3332.11	3281.10	3281.10	<0.00500	29200	<0.0100	<0.100	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MWD-14	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
04/15/02	52.59	0	3333.76	3281.17	3281.17	1.77	20600	0	0.163	0	0	0	0	0
09/13/02	52.44	0	3333.76	3281.32	3281.32	2.02	21300	0	0.243	0	0	0	0	0
04/25/03	52.18	0	3333.76	3281.58	3281.58	2.44	38100	0	0.539	0	0	0	0	0
10/24/03	52.43	0	3333.76	3281.33	3281.33	2.89	18400	0	0.402	0	0	0	0	0
01/12/04	52.49	0	3333.76	3281.27	3281.27									
02/03/04	52.59	0	3333.76	3281.17	3281.17									
02/09/04	52.62	0	3333.76	3281.14	3281.14									
02/16/04	52.67	0	3333.76	3281.09	3281.09									
02/20/04	52.70	0	3333.76	3281.06	3281.06	1.48	17500							
03/10/04	52.77	0	3333.76	3280.99	3280.99									
03/22/04	52.82	0	3333.76	3280.94	3280.94									
04/06/04	52.88	0	3333.76	3280.88	3280.88									
04/19/04	52.92	0	3333.76	3280.84	3280.84									
04/22/04	52.92	0	3333.76	3280.84	3280.84	1.36	20600	<0.100	0.344	<0.100	<0.000200	<0.125	<0.100	<0.0500
05/12/04	52.90	0	3333.76	3280.86	3280.86									
07/26/04	53.07	0	3333.76	3280.69	3280.69	1.33	17600							
11/09/04	52.32	0	3333.76	3281.44	3281.44	1.61	18400	<0.0100	0.173	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MWD-15	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
01/11/05	53.29		3335.35			0.314	40,900	<0.0100	0.186	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MWD-16	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
11/08/04	52.02		3334.10			0.491	15300	<0.0100	0.337	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500
MWD-17	Water level	PSH Thickness	TOC Elev.	Water Elev.	Elev prod.	Benzene	Chloride	Arsenic	Barium	Chromium	Mercury	Silver	Selenium	Cadmium
11/08/04	53.85		3334.74			3.11	69,300	<0.0100	0.248	<0.0100	<0.000200	<0.0125	<0.0500	<0.00500

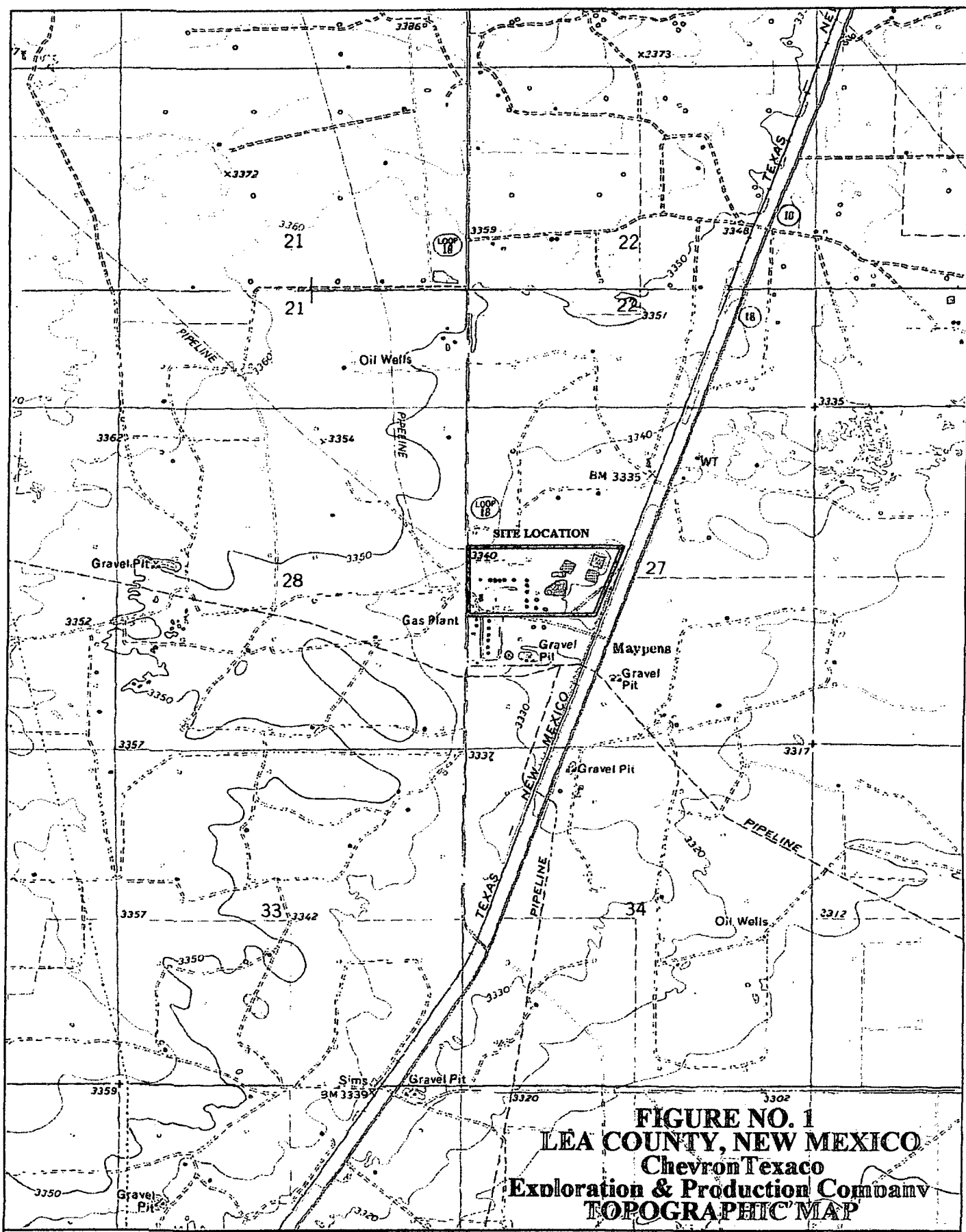
concentrations in mg/l

(-) Not Analyzed

Waterlevels, PSH Thickness and Elevations - (ft)

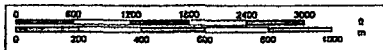
(0) - BTEX and Total metals are below method detection limit

FIGURES



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Scale 1 : 24,000
 1" = 2000 ft



APPENDIX A

Lab Analysis

Lab Analysis

4/20/2004

Summary Report

Tim Reed
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX 79705

Report Date: May 11, 2004

Work Order: 4042804

Client Name: Chevron Texaco
Project Name: Semi-Annual Sampling
Project Number: 1982

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
32653	MW-3	water	2004-04-20	16:30	2004-04-28
32654	MW-4	water	2004-04-21	11:45	2004-04-28
32655	MW-6	water	2004-04-22	12:20	2004-04-28
32656	MW-7	water	2004-04-22	13:25	2004-04-28
32657	MW-8	water	2004-04-20	15:20	2004-04-28
32658	MW-9	water	2004-04-26	13:30	2004-04-28
32659	MW-10	water	2004-04-26	10:15	2004-04-28
32660	MW-11	water	2004-04-26	10:50	2004-04-28
32661	MW-12	water	2004-04-26	11:30	2004-04-28
32662	MW-13	water	2004-04-20	14:45	2004-04-28
32663	MW-14	water	2004-04-20	14:10	2004-04-28
32664	MW-15	water	2004-04-20	12:45	2004-04-28
32665	MW-16	water	2004-04-20	11:50	2004-04-28
32666	MW-17	water	2004-04-21	14:00	2004-04-28
32667	MW-18	water	2004-04-21	09:45	2004-04-28
32668	MW-19	water	2004-04-22	17:10	2004-04-28
32669	MW-21	water	2004-04-26	14:50	2004-04-28
32670	MW-22	water	2004-04-22	15:55	2004-04-28
32671	MW-23	water	2004-04-22	15:05	2004-04-28
32672	MW-24	water	2004-04-23	11:10	2004-04-28
32673	MW-25	water	2004-04-23	11:45	2004-04-28
32674	MW-26	water	2004-04-23	14:15	2004-04-28
32675	MW-27	water	2004-04-23	13:45	2004-04-28
32676	MWD-1	water	2004-04-21	13:30	2004-04-28
32677	MWD-2	water	2004-04-21	11:10	2004-04-28
32678	MWD-3	water	2004-04-22	16:15	2004-04-28
32679	MWD-4	water	2004-04-22	14:15	2004-04-28
32680	MWD-5	water	2004-04-26	14:15	2004-04-28
32681	MWD-6	water	2004-04-21	08:55	2004-04-28
32682	MWD-7	water	2004-04-21	14:45	2004-04-28
32683	MWD-8	water	2004-04-21	10:30	2004-04-28
32684	MWD-9	water	2004-04-22	15:30	2004-04-28
32685	MWD-10	water	2004-04-23	08:45	2004-04-28
32686	MWD-11	water	2004-04-20	17:15	2004-04-28
32687	MWD-12	water	2004-04-22	11:05	2004-04-28
32688	MWD-13	water	2004-04-22	11:50	2004-04-28
32689	MWD-14	water	2004-04-22	18:00	2004-04-28

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
32690	TMW-1	water	2004-04-20	18:00	2004-04-28
32691	TMW-3	water	2004-04-23	09:40	2004-04-28
32692	TMW-6	water	2004-04-23	10:30	2004-04-28

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
32653 - MW-3	<0.00100	<0.00100	<0.00100	<0.00100
32654 - MW-4	0.0254	<0.00100	<0.00100	<0.00100
32655 - MW-6	0.00130	<0.00100	<0.00100	<0.00100
32656 - MW-7	<0.00500	<0.00500	<0.00500	<0.00500
32657 - MW-8	<0.00100	<0.00100	<0.00100	<0.00100
32658 - MW-9	6.00	0.164	0.359	0.226
32659 - MW-10	33.8	0.353	0.700	0.308
32660 - MW-11	58.1	1.91	1.09	0.506
32661 - MW-12	36.0	1.14	1.65	2.76
32662 - MW-13	<0.00100	<0.00100	<0.00100	<0.00100
32663 - MW-14	<0.00100	<0.00100	<0.00100	<0.00100
32664 - MW-15	<0.00500	<0.00500	<0.00500	<0.00500
32665 - MW-16	<0.00100	<0.00100	<0.00100	<0.00100
32666 - MW-17	<0.00100	<0.00100	<0.00100	<0.00100
32667 - MW-18	<0.00100	<0.00100	<0.00100	<0.00100
32668 - MW-19	0.558	<0.0200	0.0367	0.0283
32669 - MW-21	0.613	0.0119	0.0410	0.142
32670 - MW-22	1.25	<0.0200	0.0692	<0.0200
32671 - MW-23	0.00500	<0.00500	<0.00500	<0.00500
32672 - MW-24	23.4	1.12	0.906	1.53
32673 - MW-25	2.76	<0.0200	0.324	0.0340
32674 - MW-26	6.78	<0.0200	0.184	<0.0200
32675 - MW-27	14.4	0.245	0.577	0.347
32676 - MWD-1	<0.00100	<0.00100	<0.00100	<0.00100
32677 - MWD-2	0.00100	<0.00100	<0.00100	<0.00100
32678 - MWD-3	1.11	<0.0200	0.103	0.0479
32679 - MWD-4	<0.00100	<0.00100	<0.00100	<0.00100
32680 - MWD-5	5.82	1.46	0.311	0.310
32681 - MWD-6	0.288	<0.00100	0.0726	0.00450
32682 - MWD-7	<0.00100	<0.00100	<0.00100	<0.00100
32683 - MWD-8	<0.00100	<0.00100	<0.00100	<0.00100
32684 - MWD-9	0.00340	<0.00100	0.00120	0.00180
32685 - MWD-10	0.686	<0.0100	0.412	0.0500
32686 - MWD-11	<0.00100	<0.00100	<0.00100	<0.00100
32687 - MWD-12	0.524	<0.0100	0.0369	<0.0100
32688 - MWD-13	<0.00500	<0.00500	<0.00500	<0.00500
32689 - MWD-14	1.36	0.0302	0.0859	0.0368
32690 - TMW-1	0.0202	<0.00500	<0.00500	0.00890
32691 - TMW-3	<0.00100	<0.00100	0.105	0.00180
32692 - TMW-6	3.66	<0.0500	0.718	0.269

Sample: 32653 - MW-3

Param	Flag	Result	Units	RL
Chloride		296	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.0960	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500

continued ...

sample 32653 continued ...

Param	Flag	Result	Units	RL
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32654 - MW-4

Param	Flag	Result	Units	RL
Chloride		13800	mg/L	0.500
Total Silver	1	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32655 - MW-6

Param	Flag	Result	Units	RL
Chloride		53400	mg/L	0.500
Total Silver	2	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		0.169	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32656 - MW-7

Param	Flag	Result	Units	RL
Chloride		383	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.44	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32657 - MW-8

¹Sample diluted due to high dissolved solids as evidenced by chloride data.

²Sample diluted due to high dissolved solids as evidenced by chloride data.

Param	Flag	Result	Units	RL
Chloride		1890	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.112	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32658 - MW-9

Param	Flag	Result	Units	RL
Chloride		447	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		16.9	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32659 - MW-10

Param	Flag	Result	Units	RL
Chloride		586	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		6.18	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32660 - MW-11

Param	Flag	Result	Units	RL
Chloride		546	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.75	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32661 - MW-12

Param	Flag	Result	Units	RL
Chloride		2290	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.77	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32662 - MW-13

Param	Flag	Result	Units	RL
Chloride		356	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		2.50	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32663 - MW-14

Param	Flag	Result	Units	RL
Chloride		390	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.0860	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32664 - MW-15

Param	Flag	Result	Units	RL
Chloride		2280	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.0820	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32665 - MW-16

Param	Flag	Result	Units	RL
Chloride		1720	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.0670	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32666 - MW-17

Param	Flag	Result	Units	RL
Chloride		5460	mg/L	0.500
Total Silver	3	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32667 - MW-18

Param	Flag	Result	Units	RL
Chloride		5950	mg/L	0.500
Total Silver	4	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		0.203	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32668 - MW-19

Param	Flag	Result	Units	RL
Chloride		2690	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.827	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100

continued ...

³Sample diluted due to high dissolved solids as evidenced by chloride data.

⁴Sample diluted due to high dissolved solids as evidenced by chloride data.

sample 32668 continued ...

Param	Flag	Result	Units	RL
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32669 - MW-21

Param	Flag	Result	Units	RL
Chloride		2400	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.01	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32670 - MW-22

Param	Flag	Result	Units	RL
Chloride		37900	mg/L	0.500
Total Silver	5	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		1.00	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32671 - MW-23

Param	Flag	Result	Units	RL
Chloride		13500	mg/L	0.500
Total Silver	6	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		0.144	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32672 - MW-24

Param	Flag	Result	Units	RL
Chloride		255	mg/L	0.500

continued ...

⁵Sample diluted due to high dissolved solids as evidenced by chloride data.

⁶Sample diluted due to high dissolved solids as evidenced by chloride data.

sample 32672 continued ...

Param	Flag	Result	Units	RL
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		4.60	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32673 - MW-25

Param	Flag	Result	Units	RL
Chloride		2000	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.265	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32674 - MW-26

Param	Flag	Result	Units	RL
Chloride		682	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		4.94	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32675 - MW-27

Param	Flag	Result	Units	RL
Chloride		1120	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.124	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32676 - MWD-1

Param	Flag	Result	Units	RL
Chloride		12800	mg/L	0.500
Total Silver	7	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		0.107	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32677 - MWD-2

Param	Flag	Result	Units	RL
Chloride		22300	mg/L	0.500
Total Silver	8	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		0.164	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32678 - MWD-3

Param	Flag	Result	Units	RL
Chloride		39500	mg/L	0.500
Total Silver	9	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		0.637	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32679 - MWD-4

Param	Flag	Result	Units	RL
Chloride		397	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.22	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200

continued ...

⁷Sample diluted due to high dissolved solids as evidenced by chloride data.

⁸Sample diluted due to high dissolved solids as evidenced by chloride data.

⁹Sample diluted due to high dissolved solids as evidenced by chloride data.

sample 32679 continued ...

Param	Flag	Result	Units	RL
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32680 - MWD-5

Param	Flag	Result	Units	RL
Chloride		1200	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		5.76	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		0.000360	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32681 - MWD-6

Param	Flag	Result	Units	RL
Chloride		739	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.81	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32682 - MWD-7

Param	Flag	Result	Units	RL
Chloride		8060	mg/L	0.500
Total Silver	10	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32683 - MWD-8

continued ...

¹⁰Sample diluted due to high dissolved solids as evidenced by chloride data.

sample 32683 continued ...

Param	Flag	Result	Units	RL
Param	Flag	Result	Units	RL
Chloride		11400	mg/L	0.500
Total Silver	11	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		0.181	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32684 - MWD-9

Param	Flag	Result	Units	RL
Chloride		48000	mg/L	0.500
Total Silver	12	<1.25	mg/L	0.0125
Total Arsenic		<1.00	mg/L	0.0100
Total Barium		<1.00	mg/L	0.0100
Total Cadmium		<0.500	mg/L	0.00500
Total Chromium		<1.00	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<1.00	mg/L	0.0100
Total Selenium		<1.00	mg/L	0.0100

Sample: 32685 - MWD-10

Param	Flag	Result	Units	RL
Chloride		8530	mg/L	0.500
Total Silver	13	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		1.24	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32686 - MWD-11

Param	Flag	Result	Units	RL
Chloride		2460	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.109	mg/L	0.0100

continued ...

¹¹Sample diluted due to high dissolved solids as evidenced by chloride data.

¹²Sample diluted due to high dissolved solids as evidenced by chloride data.

¹³Sample diluted due to high dissolved solids as evidenced by chloride data.

sample 32686 continued ...

Param	Flag	Result	Units	RL
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32687 - MWD-12

Param	Flag	Result	Units	RL
Chloride		5160	mg/L	0.500
Total Silver	14	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		0.759	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32688 - MWD-13

Param	Flag	Result	Units	RL
Chloride		18000	mg/L	0.500
Total Silver	15	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		0.116	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

Sample: 32689 - MWD-14

Param	Flag	Result	Units	RL
Chloride		20600	mg/L	0.500
Total Silver	16	<0.125	mg/L	0.0125
Total Arsenic		<0.100	mg/L	0.0100
Total Barium		0.344	mg/L	0.0100
Total Cadmium		<0.0500	mg/L	0.00500
Total Chromium		<0.100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.100	mg/L	0.0100
Total Selenium		<0.100	mg/L	0.0100

¹⁴Sample diluted due to high dissolved solids as evidenced by chloride data.

¹⁵Sample diluted due to high dissolved solids as evidenced by chloride data.

¹⁶Sample diluted due to high dissolved solids as evidenced by chloride data.

Sample: 32690 - TMW-1

Param	Flag	Result	Units	RL
Chloride		1760	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.17	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32691 - TMW-3

Param	Flag	Result	Units	RL
Chloride		633	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		3.41	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100

Sample: 32692 - TMW-6

Param	Flag	Result	Units	RL
Chloride		684	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.90	mg/L	0.0100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0100	mg/L	0.0100



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Analytical and Quality Control Report

Tim Reed
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX 79705

Report Date: May 11, 2004

Work Order: 4042804

Client Name: Chevron Texaco
Project Name: Semi-Annual Sampling
Project Number: 1982

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
32653	MW-3	water	2004-04-20	16:30	2004-04-28
32654	MW-4	water	2004-04-21	11:45	2004-04-28
32655	MW-6	water	2004-04-22	12:20	2004-04-28
32656	MW-7	water	2004-04-22	13:25	2004-04-28
32657	MW-8	water	2004-04-20	15:20	2004-04-28
32658	MW-9	water	2004-04-26	13:30	2004-04-28
32659	MW-10	water	2004-04-26	10:15	2004-04-28
32660	MW-11	water	2004-04-26	10:50	2004-04-28
32661	MW-12	water	2004-04-26	11:30	2004-04-28
32662	MW-13	water	2004-04-20	14:45	2004-04-28
32663	MW-14	water	2004-04-20	14:10	2004-04-28
32664	MW-15	water	2004-04-20	12:45	2004-04-28
32665	MW-16	water	2004-04-20	11:50	2004-04-28
32666	MW-17	water	2004-04-21	14:00	2004-04-28
32667	MW-18	water	2004-04-21	09:45	2004-04-28
32668	MW-19	water	2004-04-22	17:10	2004-04-28
32669	MW-21	water	2004-04-26	14:50	2004-04-28
32670	MW-22	water	2004-04-22	15:55	2004-04-28
32671	MW-23	water	2004-04-22	15:05	2004-04-28
32672	MW-24	water	2004-04-23	11:10	2004-04-28
32673	MW-25	water	2004-04-23	11:45	2004-04-28
32674	MW-26	water	2004-04-23	14:15	2004-04-28
32675	MW-27	water	2004-04-23	13:45	2004-04-28
32676	MWD-1	water	2004-04-21	13:30	2004-04-28
32677	MWD-2	water	2004-04-21	11:10	2004-04-28
32678	MWD-3	water	2004-04-22	16:15	2004-04-28
32679	MWD-4	water	2004-04-22	14:15	2004-04-28
32680	MWD-5	water	2004-04-26	14:15	2004-04-28
32681	MWD-6	water	2004-04-21	08:55	2004-04-28
32682	MWD-7	water	2004-04-21	14:45	2004-04-28
32683	MWD-8	water	2004-04-21	10:30	2004-04-28
32684	MWD-9	water	2004-04-22	15:30	2004-04-28
32685	MWD-10	water	2004-04-23	08:45	2004-04-28
32686	MWD-11	water	2004-04-20	17:15	2004-04-28

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
32687	MWD-12	water	2004-04-22	11:05	2004-04-28
32688	MWD-13	water	2004-04-22	11:50	2004-04-28
32689	MWD-14	water	2004-04-22	18:00	2004-04-28
32690	TMW-1	water	2004-04-20	18:00	2004-04-28
32691	TMW-3	water	2004-04-23	09:40	2004-04-28
32692	TMW-6	water	2004-04-23	10:30	2004-04-28

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 66 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 32653 - MW-3

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9269	Date Analyzed: 2004-04-28	Analyzed By: MT
Prep Batch: 8238	Date Prepared: 2004-04-28	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0917	mg/L	1	0.100	92	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0898	mg/L	1	0.100	90	53.1 - 149

Sample: 32653 - MW-3

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9255	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8228	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		296	mg/L	10	0.500

Sample: 32653 - MW-3

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9453	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8393	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9506	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8309	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.0960	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32654 - MW-4

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9269	Date Analyzed: 2004-04-28	Analyzed By: MT
Prep Batch: 8238	Date Prepared: 2004-04-28	Prepared By: MT

Parameter	Flag	RL		Units	Dilution	RL
		Result				
Benzene		0.0254		mg/L	1	0.00100
Toluene		<0.00100		mg/L	1	0.00100
Ethylbenzene		<0.00100		mg/L	1	0.00100
Xylene		<0.00100		mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0987	mg/L	1	0.100	99	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0927	mg/L	1	0.100	93	53.1 - 149

Sample: 32654 - MW-4

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9256	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8229	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL		Units	Dilution	RL
		Result				
Chloride		13800		mg/L	1000	0.500

Sample: 32654 - MW-4

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9453	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8393	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9506	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8309	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL		Units	Dilution	RL
		Result				
Total Silver	1	<0.125		mg/L	10	0.0125
Total Arsenic		<0.100		mg/L	10	0.0100
Total Barium		<0.100		mg/L	10	0.0100
Total Cadmium		<0.0500		mg/L	10	0.00500
Total Chromium		<0.100		mg/L	10	0.0100
Total Mercury		<0.000200		mg/L	1	0.000200
Total Lead		<0.100		mg/L	10	0.0100
Total Selenium		<0.100		mg/L	10	0.0100

Sample: 32655 - MW-6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9269	Date Analyzed: 2004-04-28	Analyzed By: MT

¹Sample diluted due to high dissolved solids as evidenced by chloride data.

Prep Batch: 8238

Date Prepared: 2004-04-28

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00130	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.118	mg/L	1	0.100	118	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.114	mg/L	1	0.100	114	53.1 - 149

Sample: 32655 - MW-6

Analysis: Chloride (IC)
QC Batch: 9253
Prep Batch: 8225

Analytical Method: E 300.0
Date Analyzed: 2004-04-29
Date Prepared: 2004-04-28

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		53400	mg/L	5000	0.500

Sample: 32655 - MW-6

Analysis: Total 8 Metals
QC Batch: 9453
Prep Batch: 8393
Analysis: Total 8 Metals
QC Batch: 9506
Prep Batch: 8309

Analytical Method: S 7470A
Date Analyzed: 2004-05-06
Date Prepared: 2004-05-05
Analytical Method: S 6010B
Date Analyzed: 2004-05-10
Date Prepared: 2004-05-03

Prep Method: N/A
Analyzed By: BC
Prepared By: BC
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	2	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		0.169	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32656 - MW-7

Analysis: BTEX
QC Batch: 9349
Prep Batch: 8304

Analytical Method: S 8021B
Date Analyzed: 2004-05-03
Date Prepared: 2004-05-03

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

²Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.479	mg/L	5	0.100	96	71.2 - 115
4-Bromofluorobenzene (4-BFB)		0.413	mg/L	5	0.100	83	76.5 - 116

Sample: 32656 - MW-7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9253	Date Analyzed:	2004-04-29	Analyzed By:	JSW
Prep Batch:	8225	Date Prepared:	2004-04-28	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		383	mg/L	50	0.500

Sample: 32656 - MW-7

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9453	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8393	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9506	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8309	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.44	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32657 - MW-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9269	Date Analyzed:	2004-04-28	Analyzed By:	MT
Prep Batch:	8238	Date Prepared:	2004-04-28	Prepared By:	MT

continued...

sample 32657 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0989	mg/L	1	0.100	99	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0918	mg/L	1	0.100	92	53.1 - 149

Sample: 32657 - MW-8

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9253	Date Analyzed:	2004-04-29	Analyzed By:	JSW
Prep Batch:	8225	Date Prepared:	2004-04-28	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1890	mg/L	100	0.500

Sample: 32657 - MW-8

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9453	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8393	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9506	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8309	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.112	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32658 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9269	Date Analyzed:	2004-04-28	Analyzed By:	MT

Prep Batch: 8238

Date Prepared: 2004-04-28

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		6.00	mg/L	100	0.00100
Toluene		0.164	mg/L	100	0.00100
Ethylbenzene		0.359	mg/L	100	0.00100
Xylene		0.226	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		8.63	mg/L	100	0.100	86	78.4 - 118
4-Bromofluorobenzene (4-BFB)		7.47	mg/L	100	0.100	75	53.1 - 149

Sample: 32658 - MW-9

Analysis: Chloride (IC)
QC Batch: 9253
Prep Batch: 8225

Analytical Method: E 300.0
Date Analyzed: 2004-04-29
Date Prepared: 2004-04-28

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		447	mg/L	50	0.500

Sample: 32658 - MW-9

Analysis: Total 8 Metals
QC Batch: 9453
Prep Batch: 8393
Analysis: Total 8 Metals
QC Batch: 9506
Prep Batch: 8309

Analytical Method: S 7470A
Date Analyzed: 2004-05-06
Date Prepared: 2004-05-05
Analytical Method: S 6010B
Date Analyzed: 2004-05-10
Date Prepared: 2004-05-03

Prep Method: N/A
Analyzed By: BC
Prepared By: BC
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		16.9	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32659 - MW-10

Analysis: BTEX
QC Batch: 9349
Prep Batch: 8304

Analytical Method: S 8021B
Date Analyzed: 2004-05-03
Date Prepared: 2004-05-03

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		33.8	mg/L	200	0.00100
Toluene		0.353	mg/L	200	0.00100
Ethylbenzene		0.700	mg/L	200	0.00100
Xylene		0.308	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		19.6	mg/L	200	0.100	98	71.2 - 115
4-Bromofluorobenzene (4-BFB)		17.0	mg/L	200	0.100	85	76.5 - 116

Sample: 32659 - MW-10

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9253	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8225	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		586	mg/L	100	0.500

Sample: 32659 - MW-10

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9453	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8393	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9507	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8309	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		6.18	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32660 - MW-11

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9311	Date Analyzed: 2004-04-29	Analyzed By: MT
Prep Batch: 8278	Date Prepared: 2004-04-29	Prepared By: MT

continued ...

sample 32660 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
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Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		58.1	mg/L	500	0.00100
Toluene		1.91	mg/L	500	0.00100
Ethylbenzene		1.09	mg/L	500	0.00100
Xylene		0.506	mg/L	500	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		48.1	mg/L	500	0.100	96	78.4 - 118
4-Bromofluorobenzene (4-BFB)		43.8	mg/L	500	0.100	88	53.1 - 149

Sample: 32660 - MW-11

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9253	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8225	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		546	mg/L	100	0.500

Sample: 32660 - MW-11

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9453	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8393	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9507	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8309	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.75	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32661 - MW-12

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9269	Date Analyzed: 2004-04-28	Analyzed By: MT

Prep Batch: 8238

Date Prepared: 2004-04-28

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		36.0	mg/L	200	0.00100
Toluene		1.14	mg/L	200	0.00100
Ethylbenzene		1.65	mg/L	200	0.00100
Xylene		2.76	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		21.2	mg/L	200	0.100	106	78.4 - 118
4-Bromofluorobenzene (4-BFB)		21.8	mg/L	200	0.100	109	53.1 - 149

Sample: 32661 - MW-12

Analysis: Chloride (IC)
QC Batch: 9253
Prep Batch: 8225

Analytical Method: E 300.0
Date Analyzed: 2004-04-29
Date Prepared: 2004-04-28

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2290	mg/L	100	0.500

Sample: 32661 - MW-12

Analysis: Total 8 Metals
QC Batch: 9453
Prep Batch: 8393
Analysis: Total 8 Metals
QC Batch: 9507
Prep Batch: 8309

Analytical Method: S 7470A
Date Analyzed: 2004-05-06
Date Prepared: 2004-05-05
Analytical Method: S 6010B
Date Analyzed: 2004-05-10
Date Prepared: 2004-05-03

Prep Method: N/A
Analyzed By: BC
Prepared By: BC
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.77	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32662 - MW-13

Analysis: BTEX
QC Batch: 9269
Prep Batch: 8238

Analytical Method: S 8021B
Date Analyzed: 2004-04-28
Date Prepared: 2004-04-28

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	³	0.0676	mg/L	1	0.100	68	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0696	mg/L	1	0.100	70	53.1 - 149

Sample: 32662 - MW-13

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9253	Date Analyzed:	2004-04-29	Analyzed By:	JSW
Prep Batch:	8225	Date Prepared:	2004-04-28	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		356	mg/L	50	0.500

Sample: 32662 - MW-13

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9453	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8393	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9507	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8309	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		2.50	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32663 - MW-14

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9269	Date Analyzed:	2004-04-28	Analyzed By:	MT
Prep Batch:	8238	Date Prepared:	2004-04-28	Prepared By:	MT

³Low TFT surrogate recovery due to matrix interference. BFB surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0966	mg/L	1	0.100	97	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0898	mg/L	1	0.100	90	53.1 - 149

Sample: 32663 - MW-14

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9253	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8225	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		390	mg/L	50	0.500

Sample: 32663 - MW-14

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9453	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8393	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9507	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8309	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.0860	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32664 - MW-15

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9311	Date Analyzed: 2004-04-29	Analyzed By: MT
Prep Batch: 8278	Date Prepared: 2004-04-29	Prepared By: MT

continued ...

sample 32664 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.506	mg/L	5	0.100	101	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.451	mg/L	5	0.100	90	53.1 - 149

Sample: 32664 - MW-15

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9253	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8225	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2280	mg/L	100	0.500

Sample: 32664 - MW-15

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9453	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8393	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9507	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8309	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.0820	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32665 - MW-16

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9269	Date Analyzed: 2004-04-28	Analyzed By: MT

Prep Batch: 8238

Date Prepared: 2004-04-28

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	4	0.0691	mg/L	1	0.100	69	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0577	mg/L	1	0.100	58	53.1 - 149

Sample: 32665 - MW-16

Analysis: Chloride (IC)
QC Batch: 9254
Prep Batch: 8226

Analytical Method: E 300.0
Date Analyzed: 2004-04-29
Date Prepared: 2004-04-28

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1720	mg/L	100	0.500

Sample: 32665 - MW-16

Analysis: Total 8 Metals
QC Batch: 9453
Prep Batch: 8393
Analysis: Total 8 Metals
QC Batch: 9507
Prep Batch: 8309

Analytical Method: S 7470A
Date Analyzed: 2004-05-06
Date Prepared: 2004-05-05
Analytical Method: S 6010B
Date Analyzed: 2004-05-10
Date Prepared: 2004-05-03

Prep Method: N/A
Analyzed By: BC
Prepared By: BC
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.0670	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32666 - MW-17

Analysis: BTEX
QC Batch: 9269
Prep Batch: 8238

Analytical Method: S 8021B
Date Analyzed: 2004-04-28
Date Prepared: 2004-04-28

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

⁴Low TFT surrogate recovery due to matrix interference. BFB surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	5	0.0746	mg/L	1	0.100	75	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0710	mg/L	1	0.100	71	53.1 - 149

Sample: 32666 - MW-17

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9254	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8226	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5460	mg/L	500	0.500

Sample: 32666 - MW-17

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9453	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8393	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9508	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8310	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	6	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		<0.100	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32667 - MW-18

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9269	Date Analyzed: 2004-04-28	Analyzed By: MT
Prep Batch: 8238	Date Prepared: 2004-04-28	Prepared By: MT

⁵Low TFT surrogate recovery due to matrix interference. BFB surrogate recovery shows the method to be in control.

⁶Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	⁷	0.194	mg/L	1	0.200	97	78.4 - 118
4-Bromofluorobenzene (4-BFB)	⁸	0.196	mg/L	1	0.200	98	53.1 - 149

Sample: 32667 - MW-18

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9254	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8226	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5950	mg/L	500	0.500

Sample: 32667 - MW-18

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9454	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8394	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9508	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8310	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	⁹	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		0.203	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32668 - MW-19

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9269	Date Analyzed: 2004-04-28	Analyzed By: MT
Prep Batch: 8238	Date Prepared: 2004-04-28	Prepared By: MT

⁷Changed spike amount from 0.1 to 0.2 due to prep. Sample was spiked with a double amount of surrogate.

⁸Changed spike amount from 0.1 to 0.2 due to prep. Sample was spiked with a double amount of surrogate.

⁹Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.558	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		0.0367	mg/L	20	0.00100
Xylene		0.0283	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.84	mg/L	20	0.100	92	78.4 - 118
4-Bromofluorobenzene (4-BFB)		1.84	mg/L	20	0.100	92	53.1 - 149

Sample: 32668 - MW-19

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9254	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8226	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2690	mg/L	500	0.500

Sample: 32668 - MW-19

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9454	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8394	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9508	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8310	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.827	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32669 - MW-21

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9311	Date Analyzed: 2004-04-29	Analyzed By: MT
Prep Batch: 8278	Date Prepared: 2004-04-29	Prepared By: MT

continued ...

sample 32669 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.613	mg/L	10	0.00100
Toluene		0.0119	mg/L	10	0.00100
Ethylbenzene		0.0410	mg/L	10	0.00100
Xylene		0.142	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/L	10	0.100	105	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.940	mg/L	10	0.100	94	53.1 - 149

Sample: 32669 - MW-21

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9254	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8226	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2400	mg/L	500	0.500

Sample: 32669 - MW-21

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9454	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8394	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9508	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8310	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.01	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32670 - MW-22

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9311	Date Analyzed: 2004-04-29	Analyzed By: MT

Prep Batch: 8278

Date Prepared: 2004-04-29

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		1.25	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		0.0692	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.82	mg/L	20	0.100	91	78.4 - 118
4-Bromofluorobenzene (4-BFB)		1.69	mg/L	20	0.100	84	53.1 - 149

Sample: 32670 - MW-22

Analysis: Chloride (IC)
QC Batch: 9254
Prep Batch: 8226

Analytical Method: E 300.0
Date Analyzed: 2004-04-29
Date Prepared: 2004-04-28

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		37900	mg/L	5000	0.500

Sample: 32670 - MW-22

Analysis: Total 8 Metals
QC Batch: 9454
Prep Batch: 8394
Analysis: Total 8 Metals
QC Batch: 9508
Prep Batch: 8310

Analytical Method: S 7470A
Date Analyzed: 2004-05-06
Date Prepared: 2004-05-05
Analytical Method: S 6010B
Date Analyzed: 2004-05-10
Date Prepared: 2004-05-03

Prep Method: N/A
Analyzed By: BC
Prepared By: BC
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	¹⁰	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		1.00	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32671 - MW-23

Analysis: BTEX
QC Batch: 9318
Prep Batch: 8281

Analytical Method: S 8021B
Date Analyzed: 2004-04-30
Date Prepared: 2004-04-30

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

¹⁰Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.515	mg/L	5	0.100	103	71.2 - 115
4-Bromofluorobenzene (4-BFB)		0.408	mg/L	5	0.100	82	76.5 - 116

Sample: 32671 - MW-23

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9254	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8226	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		13500	mg/L	1000	0.500

Sample: 32671 - MW-23

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9454	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8394	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9508	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8310	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	¹¹	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		0.144	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32672 - MW-24

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9318	Date Analyzed: 2004-04-30	Analyzed By: MT
Prep Batch: 8281	Date Prepared: 2004-04-30	Prepared By: MT

¹¹ Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		23.4	mg/L	200	0.00100
Toluene		1.12	mg/L	200	0.00100
Ethylbenzene		0.906	mg/L	200	0.00100
Xylene		1.53	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		19.7	mg/L	200	0.100	99	71.2 - 115
4-Bromofluorobenzene (4-BFB)		16.3	mg/L	200	0.100	82	76.5 - 116

Sample: 32672 - MW-24

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9254	Date Analyzed: 2004-04-29	Analyzed By: JSW
Prep Batch: 8226	Date Prepared: 2004-04-28	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		255	mg/L	50	0.500

Sample: 32672 - MW-24

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9454	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8394	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9508	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8310	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		4.60	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32673 - MW-25

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9318	Date Analyzed: 2004-04-30	Analyzed By: MT
Prep Batch: 8281	Date Prepared: 2004-04-30	Prepared By: MT

continued...

sample 32673 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		2.76	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		0.324	mg/L	20	0.00100
Xylene		0.0340	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/L	20	0.100	101	71.2 - 115
4-Bromofluorobenzene (4-BFB)		1.77	mg/L	20	0.100	89	76.5 - 116

Sample: 32673 - MW-25

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9254	Date Analyzed:	2004-04-29	Analyzed By:	JSW
Prep Batch:	8226	Date Prepared:	2004-04-28	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2000	mg/L	500	0.500

Sample: 32673 - MW-25

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9454	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8394	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9508	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8310	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.265	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32674 - MW-26

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9295	Date Analyzed:	2004-04-28	Analyzed By:	MT

Prep Batch: 8259

Date Prepared: 2004-04-28

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		6.78	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		0.184	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	¹²	2.50	mg/L	20	0.100	125	78.4 - 118
4-Bromofluorobenzene (4-BFB)		2.00	mg/L	20	0.100	100	53.1 - 149

Sample: 32674 - MW-26

Analysis: Chloride (IC)
QC Batch: 9254
Prep Batch: 8226

Analytical Method: E 300.0
Date Analyzed: 2004-04-29
Date Prepared: 2004-04-28

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		682	mg/L	100	0.500

Sample: 32674 - MW-26

Analysis: Total 8 Metals
QC Batch: 9454
Prep Batch: 8394
Analysis: Total 8 Metals
QC Batch: 9508
Prep Batch: 8310

Analytical Method: S 7470A
Date Analyzed: 2004-05-06
Date Prepared: 2004-05-05
Analytical Method: S 6010B
Date Analyzed: 2004-05-10
Date Prepared: 2004-05-03

Prep Method: N/A
Analyzed By: BC
Prepared By: BC
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		4.94	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32675 - MW-27

Analysis: BTEX
QC Batch: 9318
Prep Batch: 8281

Analytical Method: S 8021B
Date Analyzed: 2004-04-30
Date Prepared: 2004-04-30

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

¹²High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		14.4	mg/L	50	0.00100
Toluene		0.245	mg/L	50	0.00100
Ethylbenzene		0.577	mg/L	50	0.00100
Xylene		0.347	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	¹³	6.79	mg/L	50	0.100	136	71.2 - 115
4-Bromofluorobenzene (4-BFB)	¹⁴	6.63	mg/L	50	0.100	133	76.5 - 116

Sample: 32675 - MW-27

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9284	Date Analyzed:	2004-04-29	Analyzed By:	JSW
Prep Batch:	8247	Date Prepared:	2004-04-29	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1120	mg/L	100	0.500

Sample: 32675 - MW-27

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9454	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8394	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9508	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8310	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.124	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32676 - MWD-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9295	Date Analyzed:	2004-04-28	Analyzed By:	MT
Prep Batch:	8259	Date Prepared:	2004-04-28	Prepared By:	MT

¹³High surrogate recovery due to peak interference.

¹⁴High surrogate recovery due to peak interference.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0821	mg/L	1	0.100	82	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0754	mg/L	1	0.100	75	53.1 - 149

Sample: 32676 - MWD-1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9284	Date Analyzed:	2004-04-29	Analyzed By:	JSW
Prep Batch:	8247	Date Prepared:	2004-04-29	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		12800	mg/L	1000	0.500

Sample: 32676 - MWD-1

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9454	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8394	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9508	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8310	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	¹⁵	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		0.107	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32677 - MWD-2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9295	Date Analyzed:	2004-04-28	Analyzed By:	MT
Prep Batch:	8259	Date Prepared:	2004-04-28	Prepared By:	MT

¹⁵Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0936	mg/L	1	0.100	94	53.1 - 149

Sample: 32677 - MWD-2

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9283	Date Analyzed:	2004-04-28	Analyzed By:	JSW
Prep Batch:	8248	Date Prepared:	2004-04-29	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		22300	mg/L	1000	0.500

Sample: 32677 - MWD-2

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9454	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8394	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9508	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8310	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	¹⁶	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		0.164	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32678 - MWD-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9318	Date Analyzed:	2004-04-30	Analyzed By:	MT
Prep Batch:	8281	Date Prepared:	2004-04-30	Prepared By:	MT

¹⁶Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		1.11	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		0.103	mg/L	20	0.00100
Xylene		0.0479	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/L	20	0.100	100	71.2 - 115
4-Bromofluorobenzene (4-BFB)		1.67	mg/L	20	0.100	83	76.5 - 116

Sample: 32678 - MWD-3

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9283	Date Analyzed:	2004-04-28	Analyzed By:	JSW
Prep Batch:	8248	Date Prepared:	2004-04-29	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		39500	mg/L	5000	0.500

Sample: 32678 - MWD-3

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9454	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8394	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9508	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8310	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	17	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		0.637	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32679 - MWD-4

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9295	Date Analyzed:	2004-04-28	Analyzed By:	MT
Prep Batch:	8259	Date Prepared:	2004-04-28	Prepared By:	MT

¹⁷Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0869	mg/L	1	0.100	87	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0751	mg/L	1	0.100	75	53.1 - 149

Sample: 32679 - MWD-4

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9283	Date Analyzed:	2004-04-28	Analyzed By:	JSW
Prep Batch:	8248	Date Prepared:	2004-04-29	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		397	mg/L	50	0.500

Sample: 32679 - MWD-4

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9454	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8394	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9508	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8310	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.22	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32680 - MWD-5

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9295	Date Analyzed:	2004-04-28	Analyzed By:	MT
Prep Batch:	8259	Date Prepared:	2004-04-28	Prepared By:	MT

continued ...

sample 32680 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		5.82	mg/L	100	0.00100
Toluene		1.46	mg/L	100	0.00100
Ethylbenzene		0.311	mg/L	100	0.00100
Xylene		0.310	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		11.4	mg/L	100	0.100	114	78.4 - 118
4-Bromofluorobenzene (4-BFB)		10.1	mg/L	100	0.100	101	53.1 - 149

Sample: 32680 - MWD-5

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9283	Date Analyzed: 2004-04-28	Analyzed By: JSW
Prep Batch: 8248	Date Prepared: 2004-04-29	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1200	mg/L	100	0.500

Sample: 32680 - MWD-5

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9454	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8394	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9508	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8310	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		5.76	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		0.000360	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32681 - MWD-6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9295	Date Analyzed: 2004-04-28	Analyzed By: MT

Prep Batch: 8259

Date Prepared: 2004-04-28

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.288	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0726	mg/L	1	0.00100
Xylene		0.00450	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0847	mg/L	1	0.100	85	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0949	mg/L	1	0.100	95	53.1 - 149

Sample: 32681 - MWD-6

Analysis: Chloride (IC)
QC Batch: 9283
Prep Batch: 8248

Analytical Method: E 300.0
Date Analyzed: 2004-04-28
Date Prepared: 2004-04-29

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		739	mg/L	100	0.500

Sample: 32681 - MWD-6

Analysis: Total 8 Metals
QC Batch: 9454
Prep Batch: 8394
Analysis: Total 8 Metals
QC Batch: 9508
Prep Batch: 8310

Analytical Method: S 7470A
Date Analyzed: 2004-05-06
Date Prepared: 2004-05-05
Analytical Method: S 6010B
Date Analyzed: 2004-05-10
Date Prepared: 2004-05-03

Prep Method: N/A
Analyzed By: BC
Prepared By: BC
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.81	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32682 - MWD-7

Analysis: BTEX
QC Batch: 9295
Prep Batch: 8259

Analytical Method: S 8021B
Date Analyzed: 2004-04-28
Date Prepared: 2004-04-28

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	¹⁸	0.0722	mg/L	1	0.100	72	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0641	mg/L	1	0.100	64	53.1 - 149

Sample: 32682 - MWD-7

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9283	Date Analyzed: 2004-04-28	Analyzed By: JSW
Prep Batch: 8248	Date Prepared: 2004-04-29	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8060	mg/L	1000	0.500

Sample: 32682 - MWD-7

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9454	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8394	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9508	Date Analyzed: 2004-05-10	Analyzed By: RR
Prep Batch: 8310	Date Prepared: 2004-05-03	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	¹⁹	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		<0.100	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32683 - MWD-8

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9295	Date Analyzed: 2004-04-28	Analyzed By: MT
Prep Batch: 8259	Date Prepared: 2004-04-28	Prepared By: MT

¹⁸Low TFT surrogate recovery due to matrix interference. BFB surrogate recovery shows the method to be in control.

¹⁹Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	²⁰	0.0723	mg/L	1	0.100	72	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0648	mg/L	1	0.100	65	53.1 - 149

Sample: 32683 - MWD-8

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9283	Date Analyzed:	2004-04-28	Analyzed By:	JSW
Prep Batch:	8248	Date Prepared:	2004-04-29	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		11400	mg/L	1000	0.500

Sample: 32683 - MWD-8

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9454	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8394	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9508	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8310	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	²¹	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		0.181	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32684 - MWD-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9295	Date Analyzed:	2004-04-28	Analyzed By:	MT
Prep Batch:	8259	Date Prepared:	2004-04-28	Prepared By:	MT

²⁰Low TFT surrogate recovery due to matrix interference. BFB surrogate recovery shows the method to be in control.

²¹Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00340	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00120	mg/L	1	0.00100
Xylene		0.00180	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0913	mg/L	1	0.100	91	53.1 - 149

Sample: 32684 - MWD-9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9283	Date Analyzed:	2004-04-28	Analyzed By:	JSW
Prep Batch:	8248	Date Prepared:	2004-04-29	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		48000	mg/L	5000	0.500

Sample: 32684 - MWD-9

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9454	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8394	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9508	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8310	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	²²	<1.25	mg/L	100	0.0125
Total Arsenic		<1.00	mg/L	100	0.0100
Total Barium		<1.00	mg/L	100	0.0100
Total Cadmium		<0.500	mg/L	100	0.00500
Total Chromium		<1.00	mg/L	100	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<1.00	mg/L	100	0.0100
Total Selenium		<1.00	mg/L	100	0.0100

Sample: 32685 - MWD-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9318	Date Analyzed:	2004-04-30	Analyzed By:	MT
Prep Batch:	8281	Date Prepared:	2004-04-30	Prepared By:	MT

²²Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.686	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		0.412	mg/L	10	0.00100
Xylene		0.0500	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.08	mg/L	10	0.100	108	71.2 - 115
4-Bromofluorobenzene (4-BFB)		0.970	mg/L	10	0.100	97	76.5 - 116

Sample: 32685 - MWD-10

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9283	Date Analyzed:	2004-04-28	Analyzed By:	JSW
Prep Batch:	8248	Date Prepared:	2004-04-29	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8530	mg/L	1000	0.500

Sample: 32685 - MWD-10

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9454	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8394	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9508	Date Analyzed:	2004-05-10	Analyzed By:	RR
Prep Batch:	8310	Date Prepared:	2004-05-03	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	²³	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		1.24	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32686 - MWD-11

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9295	Date Analyzed:	2004-04-28	Analyzed By:	MT
Prep Batch:	8259	Date Prepared:	2004-04-28	Prepared By:	MT

²³Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.100	mg/L	1	0.100	100	78.4 - 118
4-Bromofluorobenzene (4-BFB)		0.0979	mg/L	1	0.100	98	53.1 - 149

Sample: 32686 - MWD-11

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9283	Date Analyzed: 2004-04-28	Analyzed By: JSW
Prep Batch: 8248	Date Prepared: 2004-04-29	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2460	mg/L	500	0.500

Sample: 32686 - MWD-11

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9454	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8394	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9511	Date Analyzed: 2004-05-11	Analyzed By: RR
Prep Batch: 8335	Date Prepared: 2004-05-04	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.109	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32687 - MWD-12

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9318	Date Analyzed: 2004-04-30	Analyzed By: MT
Prep Batch: 8281	Date Prepared: 2004-04-30	Prepared By: MT

continued...

sample 32687 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.524	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		0.0369	mg/L	10	0.00100
Xylene		<0.0100	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.02	mg/L	10	0.100	102	71.2 - 115
4-Bromofluorobenzene (4-BFB)		0.862	mg/L	10	0.100	86	76.5 - 116

Sample: 32687 - MWD-12

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9306	Date Analyzed: 2004-05-03	Analyzed By: JSW
Prep Batch: 8271	Date Prepared: 2004-04-30	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5160	mg/L	500	0.500

Sample: 32687 - MWD-12

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9455	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8395	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9511	Date Analyzed: 2004-05-11	Analyzed By: RR
Prep Batch: 8335	Date Prepared: 2004-05-04	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	²⁴	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		0.759	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32688 - MWD-13

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
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²⁴Sample diluted due to high dissolved solids as evidenced by chloride data.

QC Batch: 9318
Prep Batch: 8281

Date Analyzed: 2004-04-30
Date Prepared: 2004-04-30

Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.503	mg/L	5	0.100	100	71.2 - 115
4-Bromofluorobenzene (4-BFB)		0.413	mg/L	5	0.100	83	76.5 - 116

Sample: 32688 - MWD-13

Analysis: Chloride (IC)
QC Batch: 9306
Prep Batch: 8271

Analytical Method: E 300.0
Date Analyzed: 2004-05-03
Date Prepared: 2004-04-30

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		18000	mg/L	1000	0.500

Sample: 32688 - MWD-13

Analysis: Total 8 Metals
QC Batch: 9455
Prep Batch: 8395
Analysis: Total 8 Metals
QC Batch: 9511
Prep Batch: 8335

Analytical Method: S 7470A
Date Analyzed: 2004-05-06
Date Prepared: 2004-05-05
Analytical Method: S 6010B
Date Analyzed: 2004-05-11
Date Prepared: 2004-05-04

Prep Method: N/A
Analyzed By: BC
Prepared By: BC
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	²⁵	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		0.116	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32689 - MWD-14

Analysis: BTEX
QC Batch: 9318
Prep Batch: 8281

Analytical Method: S 8021B
Date Analyzed: 2004-04-30
Date Prepared: 2004-04-30

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

²⁵Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		1.36	mg/L	20	0.00100
Toluene		0.0302	mg/L	20	0.00100
Ethylbenzene		0.0859	mg/L	20	0.00100
Xylene		0.0368	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/L	20	0.100	101	71.2 - 115
4-Bromofluorobenzene (4-BFB)		1.68	mg/L	20	0.100	84	76.5 - 116

Sample: 32689 - MWD-14

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9306	Date Analyzed: 2004-05-03	Analyzed By: JSW
Prep Batch: 8271	Date Prepared: 2004-04-30	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		20600	mg/L	1000	0.500

Sample: 32689 - MWD-14

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9455	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8395	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9511	Date Analyzed: 2004-05-11	Analyzed By: RR
Prep Batch: 8335	Date Prepared: 2004-05-04	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver	²⁶	<0.125	mg/L	10	0.0125
Total Arsenic		<0.100	mg/L	10	0.0100
Total Barium		0.344	mg/L	10	0.0100
Total Cadmium		<0.0500	mg/L	10	0.00500
Total Chromium		<0.100	mg/L	10	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.100	mg/L	10	0.0100
Total Selenium		<0.100	mg/L	10	0.0100

Sample: 32690 - TMW-1

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9318	Date Analyzed: 2004-04-30	Analyzed By: MT
Prep Batch: 8281	Date Prepared: 2004-04-30	Prepared By: MT

²⁶Sample diluted due to high dissolved solids as evidenced by chloride data.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0202	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		0.00890	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.522	mg/L	5	0.100	104	71.2 - 115
4-Bromofluorobenzene (4-BFB)		0.436	mg/L	5	0.100	87	76.5 - 116

Sample: 32690 - TMW-1

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 9306	Date Analyzed: 2004-05-03	Analyzed By: JSW
Prep Batch: 8271	Date Prepared: 2004-04-30	Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1760	mg/L	100	0.500

Sample: 32690 - TMW-1

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 9455	Date Analyzed: 2004-05-06	Analyzed By: BC
Prep Batch: 8395	Date Prepared: 2004-05-05	Prepared By: BC
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 9511	Date Analyzed: 2004-05-11	Analyzed By: RR
Prep Batch: 8335	Date Prepared: 2004-05-04	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.17	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32691 - TMW-3

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 9296	Date Analyzed: 2004-04-28	Analyzed By: MT
Prep Batch: 8260	Date Prepared: 2004-04-28	Prepared By: MT

continued ...

sample 32691 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.105	mg/L	1	0.00100
Xylene		0.00180	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0849	mg/L	1	0.100	85	71.2 - 115
4-Bromofluorobenzene (4-BFB)		0.0954	mg/L	1	0.100	95	76.5 - 116

Sample: 32691 - TMW-3

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	9306	Date Analyzed:	2004-05-03	Analyzed By:	JSW
Prep Batch:	8271	Date Prepared:	2004-04-30	Prepared By:	JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		633	mg/L	50	0.500

Sample: 32691 - TMW-3

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	9455	Date Analyzed:	2004-05-06	Analyzed By:	BC
Prep Batch:	8395	Date Prepared:	2004-05-05	Prepared By:	BC
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	9511	Date Analyzed:	2004-05-11	Analyzed By:	RR
Prep Batch:	8335	Date Prepared:	2004-05-04	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		3.41	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Sample: 32692 - TMW-6

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	9318	Date Analyzed:	2004-04-30	Analyzed By:	MT

Prep Batch: 8281

Date Prepared: 2004-04-30

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		3.66	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		0.718	mg/L	50	0.00100
Xylene		0.269	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.47	mg/L	50	0.100	89	71.2 - 115
4-Bromofluorobenzene (4-BFB)		4.28	mg/L	50	0.100	86	76.5 - 116

Sample: 32692 - TMW-6

Analysis: Chloride (IC)
QC Batch: 9306
Prep Batch: 8271

Analytical Method: E 300.0
Date Analyzed: 2004-05-03
Date Prepared: 2004-04-30

Prep Method: N/A
Analyzed By: JSW
Prepared By: JSW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		684	mg/L	50	0.500

Sample: 32692 - TMW-6

Analysis: Total 8 Metals
QC Batch: 9455
Prep Batch: 8395
Analysis: Total 8 Metals
QC Batch: 9511
Prep Batch: 8335

Analytical Method: S 7470A
Date Analyzed: 2004-05-06
Date Prepared: 2004-05-05
Analytical Method: S 6010B
Date Analyzed: 2004-05-11
Date Prepared: 2004-05-04

Prep Method: N/A
Analyzed By: BC
Prepared By: BC
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.90	mg/L	1	0.0100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0100	mg/L	1	0.0100

Method Blank (1) QC Batch: 9253

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 9254

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 9255

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 9256

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 9269

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0949	mg/L	1	0.100	95	79.3 - 117
4-Bromofluorobenzene (4-BFB)		0.0913	mg/L	1	0.100	91	43.7 - 132

Method Blank (1) QC Batch: 9283

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 9284

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 9295

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.101	mg/L	1	0.100	101	79.3 - 117
4-Bromofluorobenzene (4-BFB)		0.0892	mg/L	1	0.100	89	43.7 - 132

Method Blank (1) QC Batch: 9296

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0964	mg/L	1	0.100	96	64.1 - 117
4-Bromofluorobenzene (4-BFB)		0.0867	mg/L	1	0.100	87	72.2 - 118

Method Blank (1) QC Batch: 9306

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 9311

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0957	mg/L	1	0.100	96	79.3 - 117
4-Bromofluorobenzene (4-BFB)		0.0962	mg/L	1	0.100	96	43.7 - 132

Method Blank (1) QC Batch: 9318

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0977	mg/L	1	0.100	98	64.1 - 117
4-Bromofluorobenzene (4-BFB)		0.0799	mg/L	1	0.100	80	72.2 - 118

Method Blank (1) QC Batch: 9349

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0984	mg/L	1	0.100	98	64.1 - 117
4-Bromofluorobenzene (4-BFB)		0.0816	mg/L	1	0.100	82	72.2 - 118

Method Blank (1) QC Batch: 9453

Parameter	Flag	Result	Units	RL
Total Mercury		<0.000200	mg/L	0.0002

Method Blank (1) QC Batch: 9454

Parameter	Flag	Result	Units	RL
Total Mercury		<0.000200	mg/L	0.0002

Method Blank (1) QC Batch: 9455

Parameter	Flag	Result	Units	RL
Total Mercury		<0.000200	mg/L	0.0002

Method Blank (1) QC Batch: 9506

Parameter	Flag	Result	Units	RL
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.01
Total Barium		<0.0100	mg/L	0.01
Total Cadmium		<0.00500	mg/L	0.005
Total Chromium		<0.0100	mg/L	0.01
Total Lead		<0.0100	mg/L	0.01
Total Selenium		<0.0100	mg/L	0.01

Method Blank (1) QC Batch: 9507

Parameter	Flag	Result	Units	RL
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.01
Total Barium		<0.0100	mg/L	0.01
Total Cadmium		<0.00500	mg/L	0.005
Total Chromium		<0.0100	mg/L	0.01
Total Lead		<0.0100	mg/L	0.01
Total Selenium		<0.0100	mg/L	0.01

Method Blank (1) QC Batch: 9508

Parameter	Flag	Result	Units	RL
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.01
Total Barium		<0.0100	mg/L	0.01
Total Cadmium		<0.00500	mg/L	0.005
Total Chromium		<0.0100	mg/L	0.01
Total Lead		<0.0100	mg/L	0.01
Total Selenium		<0.0100	mg/L	0.01

Method Blank (1) QC Batch: 9511

Parameter	Flag	Result	Units	RL
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.01
Total Barium		<0.0100	mg/L	0.01
Total Cadmium		<0.00500	mg/L	0.005
Total Chromium		<0.0100	mg/L	0.01
Total Lead		<0.0100	mg/L	0.01
Total Selenium		<0.0100	mg/L	0.01

Laboratory Control Spike (LCS-1) QC Batch: 9253

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.4	11.4	mg/L	1	12.5	<0.337	91	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9254

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.4	11.5	mg/L	1	12.5	<0.337	91	1	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9255

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.4	11.4	mg/L	1	12.5	<0.337	91	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9256

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.4	11.4	mg/L	1	12.5	<0.337	91	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9269

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0957	0.0900	mg/L	1	0.100	<0.000136	96	6	86.2 - 113	20
Toluene	0.0975	0.0896	mg/L	1	0.100	<0.000247	98	8	85 - 114	20
Ethylbenzene	0.104	0.0974	mg/L	1	0.100	<0.000550	104	7	83.6 - 116	20
Xylene	0.322	0.301	mg/L	1	0.300	<0.00156	107	6	82 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0938	0.0950	mg/L	1	0.100	94	95	78.4 - 118
4-Bromofluorobenzene (4-BFB)	0.102	0.103	mg/L	1	0.100	102	103	53.1 - 149

Laboratory Control Spike (LCS-1) QC Batch: 9283

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.4	11.4	mg/L	1	12.5	<0.337	91	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9284

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.4	11.3	mg/L	1	12.5	<0.337	91	1	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9295

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0955	0.101	mg/L	1	0.100	<0.000136	96	6	86.2 - 113	20
Toluene	0.0957	0.101	mg/L	1	0.100	<0.000247	96	5	85 - 114	20
Ethylbenzene	0.0994	0.104	mg/L	1	0.100	<0.000550	99	4	83.6 - 116	20
Xylene	0.302	0.314	mg/L	1	0.300	<0.00156	101	4	82 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.100	0.0990	mg/L	1	0.100	100	99	78.4 - 118
4-Bromofluorobenzene (4-BFB)	0.106	0.105	mg/L	1	0.100	106	105	53.1 - 149

Laboratory Control Spike (LCS-1) QC Batch: 9296

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.101	0.100	mg/L	1	0.100	<0.000255	101	1	79.2 - 113	20
Toluene	0.102	0.100	mg/L	1	0.100	<0.000153	102	1	78.8 - 114	20
Ethylbenzene	0.102	0.101	mg/L	1	0.100	<0.000226	102	1	79.8 - 112	20
Xylene	0.309	0.306	mg/L	1	0.300	<0.000531	103	1	76.8 - 114	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0925	0.0959	mg/L	1	0.100	92	96	71.2 - 115
4-Bromofluorobenzene (4-BFB)	0.0952	0.0974	mg/L	1	0.100	95	97	76.5 - 116

Laboratory Control Spike (LCS-1) QC Batch: 9306

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.7	11.9	mg/L	1	12.5	<0.337	94	2	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9311

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0932	0.0987	mg/L	1	0.100	<0.000136	93	6	86.2 - 113	20
Toluene	0.0924	0.0960	mg/L	1	0.100	<0.000247	92	4	85 - 114	20
Ethylbenzene	0.0948	0.0987	mg/L	1	0.100	<0.000550	95	4	83.6 - 116	20
Xylene	0.288	0.298	mg/L	1	0.300	<0.00156	96	3	82 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0941	0.0971	mg/L	1	0.100	94	97	78.4 - 118
4-Bromofluorobenzene (4-BFB)	0.0987	0.102	mg/L	1	0.100	99	102	53.1 - 149

Laboratory Control Spike (LCS-1) QC Batch: 9318

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.100	0.102	mg/L	1	0.100	<0.000255	100	1	79.2 - 113	20
Toluene	0.100	0.102	mg/L	1	0.100	<0.000153	100	1	78.8 - 114	20
Ethylbenzene	0.0998	0.101	mg/L	1	0.100	<0.000226	100	1	79.8 - 112	20
Xylene	0.304	0.309	mg/L	1	0.300	<0.000531	101	2	76.8 - 114	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0989	0.0980	mg/L	1	0.100	99	98	71.2 - 115
4-Bromofluorobenzene (4-BFB)	0.0963	0.0958	mg/L	1	0.100	96	96	76.5 - 116

Laboratory Control Spike (LCS-1) QC Batch: 9349

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0986	0.0983	mg/L	1	0.100	<0.000255	99	0	79.2 - 113	20
Toluene	0.0993	0.0999	mg/L	1	0.100	<0.000153	99	1	78.8 - 114	20
Ethylbenzene	0.0987	0.0997	mg/L	1	0.100	<0.000226	99	1	79.8 - 112	20
Xylene	0.301	0.304	mg/L	1	0.300	<0.000531	100	1	76.8 - 114	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0976	0.0991	mg/L	1	0.100	98	99	71.2 - 115
4-Bromofluorobenzene (4-BFB)	0.0956	0.0947	mg/L	1	0.100	96	95	76.5 - 116

Laboratory Control Spike (LCS-1) QC Batch: 9453

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.000970	0.000980	mg/L	1	0.00100	<0.0000329	97	1	82 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9454

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.00102	0.00102	mg/L	1	0.00100	<0.0000329	102	0	82 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9455

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.00102	0.000990	mg/L	1	0.00100	<0.0000329	102	3	82 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9506

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.122	0.121	mg/L	1	0.125	<0.00274	98	1	85 - 115	20
Total Arsenic	0.483	0.466	mg/L	1	0.500	<0.00489	97	4	85 - 115	20
Total Barium	0.962	0.951	mg/L	1	1.00	<0.000450	96	1	85 - 114	20
Total Cadmium	0.244	0.237	mg/L	1	0.250	<0.000268	98	3	86 - 115	20
Total Chromium	0.0990	0.0940	mg/L	1	0.100	<0.00357	99	5	85 - 115	20
Total Lead	0.505	0.454	mg/L	1	0.500	<0.00698	101	11	86.1 - 112	20
Total Selenium	0.437	0.488	mg/L	1	0.500	<0.00556	87	11	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9507

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.122	0.121	mg/L	1	0.125	<0.00274	98	1	85 - 115	20
Total Arsenic	0.483	0.466	mg/L	1	0.500	<0.00489	97	4	85 - 115	20
Total Barium	0.962	0.951	mg/L	1	1.00	<0.000450	96	1	85 - 114	20
Total Cadmium	0.244	0.237	mg/L	1	0.250	<0.000268	98	3	86 - 115	20
Total Chromium	0.0990	0.0940	mg/L	1	0.100	<0.00357	99	5	85 - 115	20
Total Lead	0.505	0.454	mg/L	1	0.500	<0.00698	101	11	86.1 - 112	20
Total Selenium	0.437	0.488	mg/L	1	0.500	<0.00556	87	11	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9508

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.119	0.121	mg/L	1	0.125	<0.00274	95	2	85 - 115	20
Total Arsenic	0.471	0.484	mg/L	1	0.500	<0.00489	94	3	85 - 115	20
Total Barium	0.943	0.955	mg/L	1	1.00	<0.000450	94	1	85 - 114	20
Total Cadmium	0.242	0.241	mg/L	1	0.250	<0.000268	97	0	86 - 115	20

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control spikes continued...

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Chromium	0.100	0.0990	mg/L	1	0.100	<0.00357	100	1	85 - 115	20
Total Lead	0.465	0.472	mg/L	1	0.500	<0.00698	93	1	86.1 - 112	20
Total Selenium	0.433	0.433	mg/L	1	0.500	<0.00556	87	0	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 9511

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.125	0.126	mg/L	1	0.125	<0.00274	100	1	85 - 115	20
Total Arsenic	0.491	0.447	mg/L	1	0.500	<0.00489	98	9	85 - 115	20
Total Barium	0.981	0.993	mg/L	1	1.00	<0.000450	98	1	85 - 114	20
Total Cadmium	0.248	0.254	mg/L	1	0.250	<0.000268	99	2	86 - 115	20
Total Chromium	0.105	0.103	mg/L	1	0.100	<0.00357	105	2	85 - 115	20
Total Lead	0.480	0.484	mg/L	1	0.500	<0.00698	96	1	86.1 - 112	20
Total Selenium	0.464	0.433	mg/L	1	0.500	<0.00556	93	7	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9253

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	3360	3360	mg/L	100	12.5	2280	86	0	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9254

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1810	1800	mg/L	100	12.5	682	90	0	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9255

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	401	402	mg/L	10	12.5	296	84	0	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9256

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	24900	24900	mg/L	1000	12.5	13800	89	0	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9283

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1850	1860	mg/L	100	12.5	739	89	0	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9284

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	2260	2250	mg/L	100	12.5	1120	91	0	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9306

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1270	1280	mg/L	50	12.5	684	94	1	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9453

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.00854	0.00852	mg/L	1	0.00100	0.00767	87	0	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-2) QC Batch: 9453

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.00100	0.00100	mg/L	1	0.00100	<0.0000329	100	0	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9454

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	²⁷ 0.000660	0.000660	mg/L	1	0.00100	<0.0000329	66	0	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

²⁷ms recovery out of limits due to matrix effect, use lcs/lcsd

²⁸ms recovery out of limits due to matrix effect, use lcs/lcsd

Matrix Spike (MS-2) QC Batch: 9454

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	²⁹³⁰ 0.000560	0.000550	mg/L	1	0.00100	<0.0000329	56	2	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9455

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.000910	0.000900	mg/L	1	0.00100	<0.0000329	91	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9506

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.147	0.150	mg/L	1	0.125	<0.00274	118	2	75 - 125	20
Total Arsenic	0.500	0.540	mg/L	1	0.500	<0.00489	100	8	75 - 125	20
Total Barium	17.9	17.9	mg/L	1	1.00	16.9	100	0	75 - 125	20
Total Cadmium	0.255	0.264	mg/L	1	0.250	<0.000268	102	3	75 - 125	20
Total Chromium	0.102	0.104	mg/L	1	0.100	<0.00357	102	2	75 - 125	20
Total Lead	0.556	0.589	mg/L	1	0.500	<0.00698	111	6	75 - 125	20
Total Selenium	0.465	0.461	mg/L	1	0.500	<0.00556	93	1	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9507

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.147	0.150	mg/L	1	0.125	<0.00274	118	2	75 - 125	20
Total Arsenic	0.500	0.540	mg/L	1	0.500	<0.00489	100	8	75 - 125	20
Total Barium	17.9	17.9	mg/L	1	1.00	16.9	100	0	75 - 125	20
Total Cadmium	0.255	0.264	mg/L	1	0.250	<0.000268	102	3	75 - 125	20
Total Chromium	0.102	0.104	mg/L	1	0.100	<0.00357	102	2	75 - 125	20
Total Lead	0.556	0.589	mg/L	1	0.500	<0.00698	111	6	75 - 125	20
Total Selenium	0.465	0.461	mg/L	1	0.500	<0.00556	93	1	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9508

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.146	0.148	mg/L	1	0.125	<0.00274	117	1	75 - 125	20
Total Arsenic	0.452	0.530	mg/L	1	0.500	<0.00489	90	16	75 - 125	20

continued ...

²⁹ms recovery out of limits due to matrix effect, use lcs/lcsd

³⁰ms recovery out of limits due to matrix effect, use lcs/lcsd

matrix spikes continued ...

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Barium	1.16	1.13	mg/L	1	1.00	0.063	110	3	75 - 125	20
Total Cadmium	0.247	0.256	mg/L	1	0.250	<0.000268	99	4	75 - 125	20
Total Chromium	0.102	0.107	mg/L	1	0.100	<0.00357	102	5	75 - 125	20
Total Lead	0.493	0.457	mg/L	1	0.500	<0.00698	99	8	75 - 125	20
Total Selenium	0.445	0.470	mg/L	1	0.500	<0.00556	89	5	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 9511

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.147	0.146	mg/L	1	0.125	<0.00274	118	1	75 - 125	20
Total Arsenic	0.450	0.483	mg/L	1	0.500	<0.00489	90	7	75 - 125	20
Total Barium	1.20	1.19	mg/L	1	1.00	0.109	109	1	75 - 125	20
Total Cadmium	0.256	0.253	mg/L	1	0.250	<0.000268	102	1	75 - 125	20
Total Chromium	0.105	0.105	mg/L	1	0.100	<0.00357	105	0	75 - 125	20
Total Lead	0.510	0.547	mg/L	1	0.500	<0.00698	102	7	75 - 125	20
Total Selenium	0.472	0.458	mg/L	1	0.500	<0.00556	94	3	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 9253

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2004-04-29

Standard (CCV-1) QC Batch: 9253

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2004-04-29

Standard (ICV-1) QC Batch: 9254

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2004-04-29

Standard (CCV-1) QC Batch: 9254

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.3	90	90 - 110	2004-04-29

Standard (ICV-1) QC Batch: 9255

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2004-04-29

Standard (CCV-1) QC Batch: 9255

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2004-04-29

Standard (ICV-1) QC Batch: 9256

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2004-04-29

Standard (CCV-1) QC Batch: 9256

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2004-04-29

Standard (ICV-1) QC Batch: 9269

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0918	92	85 - 115	2004-04-28
Toluene		mg/L	0.100	0.0932	93	85 - 115	2004-04-28
Ethylbenzene		mg/L	0.100	0.0986	99	85 - 115	2004-04-28
Xylene		mg/L	0.300	0.306	102	85 - 115	2004-04-28

Standard (CCV-1) QC Batch: 9269

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0926	93	85 - 115	2004-04-28
Toluene		mg/L	0.100	0.0927	93	85 - 115	2004-04-28
Ethylbenzene		mg/L	0.100	0.0975	98	85 - 115	2004-04-28
Xylene		mg/L	0.300	0.300	100	85 - 115	2004-04-28

Standard (CCV-2) QC Batch: 9269

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0973	97	85 - 115	2004-04-28
Toluene		mg/L	0.100	0.0973	97	85 - 115	2004-04-28
Ethylbenzene		mg/L	0.100	0.105	105	85 - 115	2004-04-28
Xylene		mg/L	0.300	0.321	107	85 - 115	2004-04-28

Standard (ICV-1) QC Batch: 9283

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.3	90	90 - 110	2004-04-28

Standard (CCV-1) QC Batch: 9283

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.3	90	90 - 110	2004-04-28

Standard (ICV-1) QC Batch: 9284

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.0	96	90 - 110	2004-04-29

Standard (CCV-1) QC Batch: 9284

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.3	90	90 - 110	2004-04-29

Standard (ICV-1) QC Batch: 9295

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0990	99	85 - 115	2004-04-28
Toluene		mg/L	0.100	0.0972	97	85 - 115	2004-04-28
Ethylbenzene		mg/L	0.100	0.101	101	85 - 115	2004-04-28
Xylene		mg/L	0.300	0.306	102	85 - 115	2004-04-28

Standard (CCV-1) QC Batch: 9295

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0980	98	85 - 115	2004-04-28
Toluene		mg/L	0.100	0.0977	98	85 - 115	2004-04-28
Ethylbenzene		mg/L	0.100	0.101	101	85 - 115	2004-04-28
Xylene		mg/L	0.300	0.306	102	85 - 115	2004-04-28

Standard (CCV-2) QC Batch: 9295

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0971	97	85 - 115	2004-04-28
Toluene		mg/L	0.100	0.0985	98	85 - 115	2004-04-28
Ethylbenzene		mg/L	0.100	0.0988	99	85 - 115	2004-04-28
Xylene		mg/L	0.300	0.300	100	85 - 115	2004-04-28

Standard (ICV-1) QC Batch: 9296

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0994	99	85 - 115	2004-04-28
Toluene		mg/L	0.100	0.101	101	85 - 115	2004-04-28
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2004-04-28
Xylene		mg/L	0.300	0.308	103	85 - 115	2004-04-28

Standard (CCV-1) QC Batch: 9296

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0991	99	85 - 115	2004-04-28
Toluene		mg/L	0.100	0.0983	98	85 - 115	2004-04-28
Ethylbenzene		mg/L	0.100	0.0980	98	85 - 115	2004-04-28
Xylene		mg/L	0.300	0.295	98	85 - 115	2004-04-28

Standard (ICV-1) QC Batch: 9306

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2004-05-03

Standard (CCV-1) QC Batch: 9306

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.4	91	90 - 110	2004-05-03

Standard (ICV-1) QC Batch: 9311

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0970	97	85 - 115	2004-04-29
Toluene		mg/L	0.100	0.0961	96	85 - 115	2004-04-29
Ethylbenzene		mg/L	0.100	0.0971	97	85 - 115	2004-04-29
Xylene		mg/L	0.300	0.294	98	85 - 115	2004-04-29

Standard (CCV-1) QC Batch: 9311

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0997	100	85 - 115	2004-04-29
Toluene		mg/L	0.100	0.0972	97	85 - 115	2004-04-29
Ethylbenzene		mg/L	0.100	0.0981	98	85 - 115	2004-04-29
Xylene		mg/L	0.300	0.298	99	85 - 115	2004-04-29

Standard (CCV-2) QC Batch: 9311

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0979	98	85 - 115	2004-04-29
Toluene		mg/L	0.100	0.0953	95	85 - 115	2004-04-29
Ethylbenzene		mg/L	0.100	0.0981	98	85 - 115	2004-04-29
Xylene		mg/L	0.300	0.298	99	85 - 115	2004-04-29

Standard (ICV-1) QC Batch: 9318

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.101	101	85 - 115	2004-04-30
Toluene		mg/L	0.100	0.102	102	85 - 115	2004-04-30
Ethylbenzene		mg/L	0.100	0.102	102	85 - 115	2004-04-30
Xylene		mg/L	0.300	0.310	103	85 - 115	2004-04-30

Standard (CCV-1) QC Batch: 9318

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.102	102	85 - 115	2004-04-30
Toluene		mg/L	0.100	0.103	103	85 - 115	2004-04-30
Ethylbenzene		mg/L	0.100	0.104	104	85 - 115	2004-04-30
Xylene		mg/L	0.300	0.312	104	85 - 115	2004-04-30

Standard (CCV-2) QC Batch: 9318

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.104	104	85 - 115	2004-04-30
Toluene		mg/L	0.100	0.104	104	85 - 115	2004-04-30
Ethylbenzene		mg/L	0.100	0.104	104	85 - 115	2004-04-30
Xylene		mg/L	0.300	0.315	105	85 - 115	2004-04-30

Standard (CCV-1) QC Batch: 9349

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0950	95	85 - 115	2004-05-03
Toluene		mg/L	0.100	0.0953	95	85 - 115	2004-05-03
Ethylbenzene		mg/L	0.100	0.0959	96	85 - 115	2004-05-03
Xylene		mg/L	0.300	0.290	97	85 - 115	2004-05-03

Standard (CCV-2) QC Batch: 9349

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0943	94	85 - 115	2004-05-03
Toluene		mg/L	0.100	0.0950	95	85 - 115	2004-05-03
Ethylbenzene		mg/L	0.100	0.0955	96	85 - 115	2004-05-03
Xylene		mg/L	0.300	0.289	96	85 - 115	2004-05-03

Standard (ICV-1) QC Batch: 9453

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00100	100	80 - 120	2004-05-06

Standard (CCV-1) QC Batch: 9453

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000950	95	80 - 120	2004-05-06

Standard (CCV-2) QC Batch: 9453

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000950	95	80 - 120	2004-05-06

Standard (ICV-1) QC Batch: 9454

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00100	100	80 - 120	2004-05-06

Standard (CCV-1) QC Batch: 9454

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000950	95	80 - 120	2004-05-06

Standard (CCV-2) QC Batch: 9454

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000950	95	80 - 120	2004-05-06

Standard (ICV-1) QC Batch: 9455

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00100	100	80 - 120	2004-05-06

Standard (CCV-1) QC Batch: 9455

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000940	94	80 - 120	2004-05-06

Standard (ICV-1) QC Batch: 9506

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.125	100	90 - 110	2004-05-10
Total Arsenic		mg/L	1.00	0.996	100	90 - 110	2004-05-10
Total Barium		mg/L	1.00	0.993	99	90 - 110	2004-05-10
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2004-05-10
Total Chromium		mg/L	1.00	1.03	103	90 - 110	2004-05-10
Total Lead		mg/L	1.00	0.971	97	90 - 110	2004-05-10
Total Selenium		mg/L	1.00	0.956	96	90 - 110	2004-05-10

Standard (CCV-1) QC Batch: 9506

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.123	98	90 - 110	2004-05-10
Total Arsenic		mg/L	1.00	1.02	102	90 - 110	2004-05-10
Total Barium		mg/L	1.00	0.966	97	90 - 110	2004-05-10
Total Cadmium		mg/L	1.00	1.01	101	90 - 110	2004-05-10
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2004-05-10
Total Lead		mg/L	1.00	0.943	94	90 - 110	2004-05-10
Total Selenium		mg/L	1.00	0.945	94	90 - 110	2004-05-10

Standard (ICV-1) QC Batch: 9507

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.125	100	90 - 110	2004-05-10
Total Arsenic		mg/L	1.00	0.996	100	90 - 110	2004-05-10
Total Barium		mg/L	1.00	0.993	99	90 - 110	2004-05-10
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2004-05-10
Total Chromium		mg/L	1.00	1.03	103	90 - 110	2004-05-10
Total Lead		mg/L	1.00	0.971	97	90 - 110	2004-05-10
Total Selenium		mg/L	1.00	0.956	96	90 - 110	2004-05-10

Standard (CCV-1) QC Batch: 9507

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.123	98	90 - 110	2004-05-10
Total Arsenic		mg/L	1.00	1.02	102	90 - 110	2004-05-10
Total Barium		mg/L	1.00	0.966	97	90 - 110	2004-05-10
Total Cadmium		mg/L	1.00	1.01	101	90 - 110	2004-05-10
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2004-05-10
Total Lead		mg/L	1.00	0.943	94	90 - 110	2004-05-10
Total Selenium		mg/L	1.00	0.945	94	90 - 110	2004-05-10

Standard (ICV-1) QC Batch: 9508

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.125	100	90 - 110	2004-05-10
Total Arsenic		mg/L	1.00	0.996	100	90 - 110	2004-05-10
Total Barium		mg/L	1.00	0.993	99	90 - 110	2004-05-10
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2004-05-10
Total Chromium		mg/L	1.00	1.03	103	90 - 110	2004-05-10
Total Lead		mg/L	1.00	0.971	97	90 - 110	2004-05-10
Total Selenium		mg/L	1.00	0.956	96	90 - 110	2004-05-10

Standard (CCV-1) QC Batch: 9508

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2004-05-10
Total Arsenic		mg/L	1.00	0.994	99	90 - 110	2004-05-10
Total Barium		mg/L	1.00	0.986	99	90 - 110	2004-05-10
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2004-05-10
Total Chromium		mg/L	1.00	1.04	104	90 - 110	2004-05-10
Total Lead		mg/L	1.00	0.965	96	90 - 110	2004-05-10
Total Selenium		mg/L	1.00	0.970	97	90 - 110	2004-05-10

Standard (CCV-2) QC Batch: 9508

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.128	102	90 - 110	2004-05-10
Total Arsenic		mg/L	1.00	0.966	97	90 - 110	2004-05-10
Total Barium		mg/L	1.00	0.975	98	90 - 110	2004-05-10
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2004-05-10
Total Chromium		mg/L	1.00	1.05	105	90 - 110	2004-05-10
Total Lead		mg/L	1.00	0.956	96	90 - 110	2004-05-10
Total Selenium		mg/L	1.00	0.964	96	90 - 110	2004-05-10

Standard (ICV-1) QC Batch: 9511

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.125	100	90 - 110	2004-05-11
Total Arsenic		mg/L	1.00	0.996	100	90 - 110	2004-05-11
Total Barium		mg/L	1.00	0.993	99	90 - 110	2004-05-11
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2004-05-11
Total Chromium		mg/L	1.00	1.03	103	90 - 110	2004-05-11
Total Lead		mg/L	1.00	0.971	97	90 - 110	2004-05-11
Total Selenium		mg/L	1.00	0.956	96	90 - 110	2004-05-11

Standard (CCV-1) QC Batch: 9511

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.128	102	90 - 110	2004-05-11
Total Arsenic		mg/L	1.00	0.998	100	90 - 110	2004-05-11
Total Barium		mg/L	1.00	1.01	101	90 - 110	2004-05-11
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2004-05-11
Total Chromium		mg/L	1.00	1.05	105	90 - 110	2004-05-11
Total Lead		mg/L	1.00	1.01	101	90 - 110	2004-05-11
Total Selenium		mg/L	1.00	0.994	99	90 - 110	2004-05-11

4042804

Analysis Request and Chain of Custody Record									
HIGHLANDER ENVIRONMENTAL CORP.									
1910 N. Big Spring St. Midland, Texas 79705									
Fax (915) 682-3946									
CLIENT NAME: Chevron Texaco		SITE MANAGER: Tim Reed		PROJECT NAME: Semi-Annual Sampling		PRESERVATIVE METHOD		ANALYSIS REQUEST (Circle or Specify Method No.)	
LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	
32053	4/20/04	4:30	W	X		MW-3	4	Y	X
654	4/21/04	11:45	W	X		MW-4	4	Y	X
655	4/22/04	12:20	W	X		MW-6	4	Y	X
656	4/22/04	1:25	W	X		MW-7	4	Y	X
657	4/20/04	3:20	W	X		MW-8	4	Y	X
658	4/26/04	1:30	W	X		MW-9	4	Y	X
659	4/26/04	10:15	W	X		MW-10	4	Y	X
660	4/26/04	10:50	W	X		MW-11	4	Y	X
661	4/26/04	11:30	W	X		MW-12	4	Y	X
662	4/20/04	2:45	W	X		MW-13	4	Y	X

RELINQUISHED BY: (Signature) [Signature]	Date: 4/27/04 Time: 1:00	RECEIVED BY: (Signature) [Signature]	Date: 4/28/04 Time: 9:15
RELINQUISHED BY: (Signature) [Signature]	Date: 4/27/04 Time: 1:00	RECEIVED BY: (Signature) [Signature]	Date: 4/28/04 Time: 9:15
RELINQUISHED BY: (Signature) [Signature]	Date: 4/27/04 Time: 1:00	RECEIVED BY: (Signature) [Signature]	Date: 4/28/04 Time: 9:15

RECEIVING LABORATORY: [Signature]	ADDRESS: [Signature]	CITY: [Signature]	STATE: TX	ZIP: [Signature]
CONTACT: [Signature]	PHONE: [Signature]	MATRIX: [Signature]	DATE: 4/28/04	TIME: 9:15

SAMPLE CONDITION WHEN RECEIVED:	REMARKS:
	Shipped June 2004

DATE: 4/27/04	TIME: 1:00	DATE: 4/28/04	TIME: 9:15
SAMPLES SHIPPED BY: (Circle) FEDX	HAND DELIVERED	UPR	ARRILL #
OTHER:			
HIGHLANDER CONTACT PERSON:	Tim Reed		
Result by:	FISH Charges Authorized: Yes		

Please fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives gold copy.

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

Shuffled zone 4 to 5

Please fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

40 samples - AS Shagged Zone Star mt

Lab Analysis

7/27/2004

TRACE ANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9
155 McCutcheon, Suite H

Lubbock, Texas 79424 800•378•1296
El Paso, Texas 79932 888•588•3443
E-Mail: lab@traceanalysis.com

806•794•1296 FAX 806•794•1298
915•585•3443 FAX 915•585•4944

Bill To: Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX 79705

Invoice No. 7595

Invoice Date: 2004-08-11

Attn: Ike Tavaréz

Payment Due: 2004-09-10

Work Order:	4073024
Project Location:	South Eunice Plant, Lea Co. NM
Project Name:	Chevron Texaco
Project Number:	1983

Item	Quantity	Matrix	Description	Price	Sub Total
BTEX	7	water	40261 - 40274	\$45.00	\$315.00
Chloride (IC)	14	water	40261 - 40274	\$15.00	\$210.00

Payment Terms: Net-30

Total \$525.00



Dr. Blair Leftwich, Director

Summary Report

Ike Tavaréz
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX 79705

Report Date: August 11, 2004

Work Order: 4073024

Project Location: South Eunice Plant, Lea Co. NM
Project Name: Chevron Texaco
Project Number: 1983

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
40261	MW-4	water	2004-07-27	13:10	2004-07-30
40262	MW-17	water	2004-07-27	14:15	2004-07-30
40263	MW-19	water	2004-07-28	10:30	2004-07-30
40264	MWD-1	water	2004-07-27	13:45	2004-07-30
40265	MWD-2	water	2004-07-27	12:00	2004-07-30
40266	MWD-3	water	2004-07-28	15:10	2004-07-30
40267	MWD-4	water	2004-07-28	14:35	2004-07-30
40268	MWD-7	water	2004-07-27	15:00	2004-07-30
40269	MWD-8	water	2004-07-27	11:15	2004-07-30
40270	MWD-9	water	2004-07-28	15:30	2004-07-30
40271	MWD-10	water	2004-07-28	12:15	2004-07-30
40272	MWD-12	water	2004-07-28	10:00	2004-07-30
40273	MWD-13	water	2004-07-28	14:00	2004-07-30
40274	MWD-14	water	2004-07-28	11:30	2004-07-30

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
40261 - MW-4	0.0625	<0.00100	<0.00100	0.00140
40263 - MW-19	0.691	<0.0200	0.0482	<0.0200
40266 - MWD-3	0.644	<0.0200	0.0897	0.0324
40270 - MWD-9	0.00740	<0.00100	0.00320	0.00310
40271 - MWD-10	0.786	<0.0100	0.338	0.0299
40272 - MWD-12	0.542	<0.00500	0.0254	<0.00500
40274 - MWD-14	1.33	<0.0200	0.0509	<0.0200

Sample: 40261 - MW-4

Param	Flag	Result	Units	RL
Chloride		8640	mg/L	0.500

Sample: 40262 - MW-17

Report Date: August 11, 2004
1983

Work Order: 4073024
Chevron Texaco

Page Number: 2 of 3
South Eunice Plant, Lea Co. NM

Param	Flag	Result	Units	RL
Chloride		2930	mg/L	0.500

Sample: 40263 - MW-19

Param	Flag	Result	Units	RL
Chloride		3000	mg/L	0.500

Sample: 40264 - MWD-1

Param	Flag	Result	Units	RL
Chloride		14000	mg/L	0.500

Sample: 40265 - MWD-2

Param	Flag	Result	Units	RL
Chloride		29500	mg/L	0.500

Sample: 40266 - MWD-3

Param	Flag	Result	Units	RL
Chloride		94400	mg/L	0.500

Sample: 40267 - MWD-4

Param	Flag	Result	Units	RL
Chloride		555	mg/L	0.500

Sample: 40268 - MWD-7

Param	Flag	Result	Units	RL
Chloride		8910	mg/L	0.500

Sample: 40269 - MWD-8

Param	Flag	Result	Units	RL
Chloride		11900	mg/L	0.500

Sample: 40270 - MWD-9

Param	Flag	Result	Units	RL
Chloride		45000	mg/L	0.500

Report Date: August 11, 2004
1983

Work Order: 4073024
Chevron Texaco

Page Number: 3 of 3
South Eunice Plant, Lea Co. NM

Sample: 40271 - MWD-10

Param	Flag	Result	Units	RL
Chloride		9060	mg/L	0.500

Sample: 40272 - MWD-12

Param	Flag	Result	Units	RL
Chloride		2390	mg/L	0.500

Sample: 40273 - MWD-13

Param	Flag	Result	Units	RL
Chloride		17100	mg/L	0.500

Sample: 40274 - MWD-14

Param	Flag	Result	Units	RL
Chloride		17600	mg/L	0.500

TRACE ANALYSIS, INC.

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155 McCutcheon, Suite H

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E-Mail: lab@traceanalysis.com

Analytical and Quality Control Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX 79705

Report Date: August 11, 2004

Work Order: 4073024

Project Location: South Eunice Plant, Lea Co. NM
Project Name: Chevron Texaco
Project Number: 1983

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
40261	MW-4	water	2004-07-27	13:10	2004-07-30
40262	MW-17	water	2004-07-27	14:15	2004-07-30
40263	MW-19	water	2004-07-28	10:30	2004-07-30
40264	MWD-1	water	2004-07-27	13:45	2004-07-30
40265	MWD-2	water	2004-07-27	12:00	2004-07-30
40266	MWD-3	water	2004-07-28	15:10	2004-07-30
40267	MWD-4	water	2004-07-28	14:35	2004-07-30
40268	MWD-7	water	2004-07-27	15:00	2004-07-30
40269	MWD-8	water	2004-07-27	11:15	2004-07-30
40270	MWD-9	water	2004-07-28	15:30	2004-07-30
40271	MWD-10	water	2004-07-28	12:15	2004-07-30
40272	MWD-12	water	2004-07-28	10:00	2004-07-30
40273	MWD-13	water	2004-07-28	14:00	2004-07-30
40274	MWD-14	water	2004-07-28	11:30	2004-07-30

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 15 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 40261 - MW-4

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 11544	Date Analyzed: 2004-07-30	Analyzed By: MT
Prep Batch: 10203	Date Prepared: 2004-07-30	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0625	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		0.00140	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.107	mg/L	1	0.100	107	79.7 - 119
4-Bromofluorobenzene (4-BFB)		0.0870	mg/L	1	0.100	87	65.6 - 141

Sample: 40261 - MW-4

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 11783	Date Analyzed: 2004-08-05	Analyzed By: MW
Prep Batch: 10409	Date Prepared: 2004-08-05	Prepared By: MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8640	mg/L	1000	0.500

Sample: 40262 - MW-17

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 11783	Date Analyzed: 2004-08-05	Analyzed By: MW
Prep Batch: 10409	Date Prepared: 2004-08-05	Prepared By: MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2930	mg/L	500	0.500

Sample: 40263 - MW-19

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 11544	Date Analyzed: 2004-07-30	Analyzed By: MT
Prep Batch: 10203	Date Prepared: 2004-07-30	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.691	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		0.0482	mg/L	20	0.00100

continued ...

sample 40263 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.03	mg/L	20	0.100	102	79.7 - 119
4-Bromofluorobenzene (4-BFB)		1.62	mg/L	20	0.100	81	65.6 - 141

Sample: 40263 - MW-19

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 11821	Date Analyzed: 2004-08-05	Analyzed By: MW
Prep Batch: 10437	Date Prepared: 2004-08-05	Prepared By: MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3000	mg/L	500	0.500

Sample: 40264 - MWD-1

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 11821	Date Analyzed: 2004-08-05	Analyzed By: MW
Prep Batch: 10437	Date Prepared: 2004-08-05	Prepared By: MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		14000	mg/L	1000	0.500

Sample: 40265 - MWD-2

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 11821	Date Analyzed: 2004-08-05	Analyzed By: MW
Prep Batch: 10437	Date Prepared: 2004-08-05	Prepared By: MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		29500	mg/L	5000	0.500

Sample: 40266 - MWD-3

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 11606	Date Analyzed: 2004-08-03	Analyzed By: MS
Prep Batch: 10253	Date Prepared: 2004-08-03	Prepared By: MS

continued...

sample 40266 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	1	0.644	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		0.0897	mg/L	20	0.00100
Xylene		0.0324	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.83	mg/L	20	0.100	92	71.2 - 115
4-Bromofluorobenzene (4-BFB)	2	1.23	mg/L	20	0.100	62	76.5 - 116

Sample: 40266 - MWD-3

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	11821	Date Analyzed:	2004-08-05	Analyzed By:	MW
Prep Batch:	10437	Date Prepared:	2004-08-05	Prepared By:	MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		94400	mg/L	10000	0.500

Sample: 40267 - MWD-4

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	11821	Date Analyzed:	2004-08-05	Analyzed By:	MW
Prep Batch:	10437	Date Prepared:	2004-08-05	Prepared By:	MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		555	mg/L	50	0.500

Sample: 40268 - MWD-7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	11821	Date Analyzed:	2004-08-05	Analyzed By:	MW
Prep Batch:	10437	Date Prepared:	2004-08-05	Prepared By:	MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8910	mg/L	1000	0.500

¹RR due to benzene over curve.

²Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Sample: 40269 - MWD-8

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	11821	Date Analyzed:	2004-08-05	Analyzed By:	MW
Prep Batch:	10437	Date Prepared:	2004-08-05	Prepared By:	MW

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Chloride		11900	mg/L	1000	0.500

Sample: 40270 - MWD-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	11544	Date Analyzed:	2004-07-30	Analyzed By:	MT
Prep Batch:	10203	Date Prepared:	2004-07-30	Prepared By:	MT

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Benzene		0.00740	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00320	mg/L	1	0.00100
Xylene		0.00310	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	³	0.202	mg/L	1	0.200	101	79.7 - 119
4-Bromofluorobenzene (4-BFB)	⁴	0.174	mg/L	1	0.200	87	65.6 - 141

Sample: 40270 - MWD-9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	11821	Date Analyzed:	2004-08-05	Analyzed By:	MW
Prep Batch:	10437	Date Prepared:	2004-08-05	Prepared By:	MW

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Chloride		45000	mg/L	5000	0.500

Sample: 40271 - MWD-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	11572	Date Analyzed:	2004-08-02	Analyzed By:	MT
Prep Batch:	10230	Date Prepared:	2004-08-02	Prepared By:	MT

Parameter	Flag	RL		Dilution	RL
		Result	Units		
Benzene	⁵	0.786	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100

continued...

³Changed spike amount from 0.1 to 0.2 due to prep. 2x normal amount of surrogate was used.

⁴Changed spike amount from 0.1 to 0.2 due to prep. 2x normal amount of surrogate was used.

⁵RR due to benzene over curve.

sample 40271 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Ethylbenzene		0.338	mg/L	10	0.00100
Xylene		0.0299	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	⁶	2.20	mg/L	10	0.200	110	79.7 - 119
4-Bromofluorobenzene (4-BFB)	⁷	2.08	mg/L	10	0.200	104	65.6 - 141

Sample: 40271 - MWD-10

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 11821	Date Analyzed: 2004-08-05	Analyzed By: MW
Prep Batch: 10437	Date Prepared: 2004-08-05	Prepared By: MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		9060	mg/L	1000	0.500

Sample: 40272 - MWD-12

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 11572	Date Analyzed: 2004-08-02	Analyzed By: MT
Prep Batch: 10230	Date Prepared: 2004-08-02	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	⁸	0.542	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.0254	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.578	mg/L	5	0.100	116	79.7 - 119
4-Bromofluorobenzene (4-BFB)		0.468	mg/L	5	0.100	94	65.6 - 141

Sample: 40272 - MWD-12

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 11821	Date Analyzed: 2004-08-05	Analyzed By: MW
Prep Batch: 10437	Date Prepared: 2004-08-05	Prepared By: MW

⁶Changed spike amount from 0.1 to 0.2 due to prep. 2x normal amount of surrogate was used.

⁷Changed spike amount from 0.1 to 0.2 due to prep. 2x normal amount of surrogate was used.

⁸RR to verify benzene content.

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2390	mg/L	500	0.500

Sample: 40273 - MWD-13

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	11822	Date Analyzed:	2004-08-05	Analyzed By:	MW
Prep Batch:	10438	Date Prepared:	2004-08-05	Prepared By:	MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		17100	mg/L	1000	0.500

Sample: 40274 - MWD-14

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	11572	Date Analyzed:	2004-08-02	Analyzed By:	MT
Prep Batch:	10230	Date Prepared:	2004-08-02	Prepared By:	MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	⁹	1.33	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		0.0509	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.11	mg/L	20	0.100	106	79.7 - 119
4-Bromofluorobenzene (4-BFB)		1.72	mg/L	20	0.100	86	65.6 - 141

Sample: 40274 - MWD-14

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	11822	Date Analyzed:	2004-08-05	Analyzed By:	MW
Prep Batch:	10438	Date Prepared:	2004-08-05	Prepared By:	MW

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		17600	mg/L	1000	0.500

Method Blank (1) QC Batch: 11544

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001

continued ...

⁹RR due to benzene over curve.

method blank continued...

Parameter	Flag	Result	Units	RL
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0996	mg/L	1	0.100	100	76.2 - 119
4-Bromofluorobenzene (4-BFB)		0.0755	mg/L	1	0.100	76	58.5 - 136

Method Blank (1) QC Batch: 11572

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.110	mg/L	1	0.100	110	76.2 - 119
4-Bromofluorobenzene (4-BFB)		0.0849	mg/L	1	0.100	85	58.5 - 136

Method Blank (1) QC Batch: 11606

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0934	mg/L	1	0.100	93	70 - 130
4-Bromofluorobenzene (4-BFB)	¹⁰	0.0647	mg/L	1	0.100	65	70 - 130

Method Blank (1) QC Batch: 11783

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 11821

¹⁰Low BFB surrogate recovery due to prep. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	Result	Units	RL
Chloride	¹¹	1.19	mg/L	0.5

Method Blank (1) QC Batch: 11822

Parameter	Flag	Result	Units	RL
Chloride	¹²	1.17	mg/L	0.5

Laboratory Control Spike (LCS-1) QC Batch: 11544

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.114	0.113	mg/L	1	0.100	<0.000338	114	1	84.6 - 117	20
Toluene	0.105	0.104	mg/L	1	0.100	<0.000299	105	1	80.9 - 115	20
Ethylbenzene	0.102	0.100	mg/L	1	0.100	<0.000469	102	2	77.6 - 119	20
Xylene	0.302	0.297	mg/L	1	0.300	<0.000787	101	2	76.2 - 122	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0973	0.102	mg/L	1	0.100	97	102	79.7 - 119
4-Bromofluorobenzene (4-BFB)	0.0846	0.0860	mg/L	1	0.100	85	86	65.6 - 141

Laboratory Control Spike (LCS-1) QC Batch: 11572

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.113	0.114	mg/L	1	0.100	<0.000338	113	1	84.6 - 117	20
Toluene	0.105	0.107	mg/L	1	0.100	<0.000299	105	2	80.9 - 115	20
Ethylbenzene	0.102	0.104	mg/L	1	0.100	<0.000469	102	2	77.6 - 119	20
Xylene	0.303	0.309	mg/L	1	0.300	<0.000787	101	2	76.2 - 122	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.110	0.114	mg/L	1	0.100	110	114	79.7 - 119
4-Bromofluorobenzene (4-BFB)	0.0929	0.0972	mg/L	1	0.100	93	97	65.6 - 141

Laboratory Control Spike (LCS-1) QC Batch: 11606

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0950	0.0926	mg/L	1	0.100	<0.000255	95	2	70 - 130	20

continued ...

¹¹Blank higher due to curve

¹²Chloride blank higher due to curve

control spikes continued...

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Toluene	0.0955	0.0929	mg/L	1	0.100	<0.000153	96	3	70 - 130	20
Ethylbenzene	0.0980	0.0944	mg/L	1	0.100	<0.000226	98	4	70 - 130	20
Xylene	0.297	0.286	mg/L	1	0.300	<0.000531	99	4	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0947	0.0930	mg/L	1	0.100	95	93	70 - 130
4-Bromofluorobenzene (4-BFB)	0.0887	0.0892	mg/L	1	0.100	89	89	70 - 130

Laboratory Control Spike (LCS-1) QC Batch: 11783

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.8	11.7	mg/L	1	12.5	<0.337	94	1	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 11821

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.7	11.7	mg/L	1	12.5	<0.337	94	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 11822

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.7	11.7	mg/L	1	12.5	<0.337	94	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 11783

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	8830	8890	mg/L	500	12.5	2930	94	1	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 11821

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	8130	8230	mg/L	500	12.5	2390	92	1	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 11822

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	89.0	88.7	mg/L	5	12.5	30.9	93	0	74.3 - 118	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 11544

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene	¹³	mg/L	0.100	0.116	116	85 - 115	2004-07-30
Toluene		mg/L	0.100	0.106	106	85 - 115	2004-07-30
Ethylbenzene		mg/L	0.100	0.103	103	85 - 115	2004-07-30
Xylene		mg/L	0.300	0.305	102	85 - 115	2004-07-30

Standard (CCV-1) QC Batch: 11544

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene	¹⁴	mg/L	0.100	0.118	118	85 - 115	2004-07-30
Toluene		mg/L	0.100	0.109	109	85 - 115	2004-07-30
Ethylbenzene		mg/L	0.100	0.105	105	85 - 115	2004-07-30
Xylene		mg/L	0.300	0.310	103	85 - 115	2004-07-30

Standard (CCV-1) QC Batch: 11572

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.111	111	85 - 115	2004-08-02
Toluene		mg/L	0.100	0.102	102	85 - 115	2004-08-02
Ethylbenzene		mg/L	0.100	0.0995	100	85 - 115	2004-08-02
Xylene		mg/L	0.300	0.295	98	85 - 115	2004-08-02

Standard (CCV-2) QC Batch: 11572

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.110	110	85 - 115	2004-08-02
Toluene		mg/L	0.100	0.101	101	85 - 115	2004-08-02
Ethylbenzene		mg/L	0.100	0.0981	98	85 - 115	2004-08-02
Xylene		mg/L	0.300	0.290	97	85 - 115	2004-08-02

Standard (ICV-1) QC Batch: 11606

¹³ Benzene outside normal limits in ICV-1. Average of ICV components fall within acceptable range.

¹⁴ Benzene outside normal limits in CCV-1. Average of CCV components fall within acceptable range.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0950	95	85 - 115	2004-08-03
Toluene		mg/L	0.100	0.0953	95	85 - 115	2004-08-03
Ethylbenzene		mg/L	0.100	0.0965	96	85 - 115	2004-08-03
Xylene		mg/L	0.300	0.292	97	85 - 115	2004-08-03

Standard (CCV-1) QC Batch: 11606

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0974	97	85 - 115	2004-08-03
Toluene		mg/L	0.100	0.0978	98	85 - 115	2004-08-03
Ethylbenzene		mg/L	0.100	0.0985	98	85 - 115	2004-08-03
Xylene		mg/L	0.300	0.298	99	85 - 115	2004-08-03

Standard (ICV-1) QC Batch: 11783

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.6	93	90 - 110	2004-08-05

Standard (CCV-1) QC Batch: 11783

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2004-08-05

Standard (ICV-1) QC Batch: 11821

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2004-08-05

Standard (CCV-1) QC Batch: 11821

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2004-08-05

Standard (ICV-1) QC Batch: 11822

Report Date: August 11, 2004
1983

Work Order: 4073024
Chevron Texaco

Page Number: 13 of 15
South Eunice Plant, Lea Co. NM

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2004-08-05

Standard (CCV-1) QC Batch: 11822

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.7	94	90 - 110	2004-08-05

Analysis Request and Chain of Custody Record									
HIGHLANDER ENVIRONMENTAL CORP.									
1910 N. Big Spring St. Midland, Texas 79705									
(432) 682-4559 Fax (432) 682-3946									
CLIENT NAME: Chevron Texaco		SITE MANAGER: Ike Tavaraz		PROJECT NAME: Chevron Texaco / South Service Plant		PRESERVATIVE METHOD		ANALYSIS REQUEST (Circle or Specify Method No.)	
LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	DATE: 7/29/04	TIME: 11:15
							DATE: 7/29/04	TIME: 11:15	TIME: 11:15
60201	7/27/04	1:10	W	X	MW-4		3	N	X
62	7/27/04	2:15	W	X	MW-17		1	N	X
63	7/28/04	10:30	W	X	MW-19		3	N	X
64	7/27/04	1:45	W	X	MWD-1		1	N	X
65	7/27/04	12:00	W	X	MWD-2		1	N	X
66	7/28/04	3:10	W	X	MWD-3		3	N	X
67	7/29/04	2:35	W	X	MWD-4		1	N	X
68	7/27/04	3:00	W	X	MWD-7		1	N	X
69	7/27/04	11:15	W	X	MWD-8		1	N	X
70	7/28/04	3:30	W	X	MWD-9		3	N	X
RECEIVED BY: (Signature) [Signature]							DATE: 7/29/04	TIME: 11:15	TIME: 11:15
RECEIVED BY: (Signature) [Signature]							DATE: 7/29/04	TIME: 11:15	TIME: 11:15
RECEIVED BY: (Signature) [Signature]							DATE: 7/29/04	TIME: 11:15	TIME: 11:15
RECEIVING LABORATORY: TAC 6.66.015							DATE: 7/29/04	TIME: 11:15	TIME: 11:15
ADDRESS: Killeck							STATE: TX	CITY: Midland	ZIP: 79705
CONTACT: Killeck							PHONE: (432) 682-4559	FAX: (432) 682-3946	
SAMPLE CONDITION WHEN RECEIVED:							REMARKS:		
HIGHLANDER CONTACT PERSON: Ike Tavaraz							RECEIVED BY: (Signature) [Signature]		
HAND DELIVERED							DATE: 7/29/04		
FEDEX							DATE: 7/29/04		
SAMPLE SHIPPED BY: (Circle) UPS							DATE: 7/29/04		
OTHER: [Signature]							DATE: 7/29/04		
HANDLER BY: [Signature]							DATE: 7/29/04		
FISH CHARGES AUTHORIZED							DATE: 7/29/04		
TAX							DATE: 7/29/04		

Please fill out all copies -- Laboratory retains yellow copy -- Return original copy to Highlander Environmental Corp. -- Project Manager retains pink copy -- Accounting receives Gold copy.

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Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559

Fax (432) 682-3946

CLIENT NAME: Chevron Texaco SITE MANAGER: Ike TavarazPROJECT NO.: 1983 PROJECT NAME: Chevron Texaco/South Evinco Plant
SAMPLE IDENTIFICATION: See entry in.

NUMBER OF CONTAINERS

FILTERED (Y/N)

PRESERVATIVE METHOD

HCL

HN03

ICE

NONE

LAB I.D. NUMBER

DATE

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Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559

Fax (432) 682-3946

CLIENT NAME: Chevron Texaco

CLIENT NAME: Chevron Texaco

SITE MANAGER: *Ike Tavaraz*

PROJECT NO.: 1983

PROJECT NAME: Chewon/Exaco/South Emco Plant.

Lee County, 1
SAMPLE IDENTIFICATION

[illegible]

RELINQUISHED BY: (Signature) <i>[Signature]</i>	Date: <u>5-15-87</u> Time: <u>5:15 PM</u>	RECEIVED BY: (Signature) <i>[Signature]</i>	Date: <u>7-29-87</u> Time: <u>7:15</u>	SAMPLED BY: (Print & Sign) <i>May 16/87 Terry Jones</i>	Date: <u>7-29-87</u> Time: <u>4:00</u>
RELINQUISHED BY: (Signature) <i>[Signature]</i>	Date: <u>7-29-87</u> Time: <u>12:30</u>	RECEIVED BY: (Signature) <i>[Signature]</i>	Date: <u>7-30-87</u> Time: <u>17:15</u>	SAMPLE SHIPPED BY: (Circle) FEDER	ARRIVAL # <u>924265</u>
RELINQUISHED BY: (Signature)	Date: _____ Time: _____	RECEIVED BY: (Signature)	Date: _____ Time: _____	HAND DELIVERED	OTHER: <u>Done</u>
RECEIVING LABORATORY: <u>Trace Analysis</u>	RECEIVED BY: (Signature)		HIGHLANDER CONTACT PERSON: <u>Fke Tavares</u>		
ADDRESS: _____	DATE: _____		Results by:		
CITY: <u>La Brea</u>	STATE: <u>TX</u>	ZIP: _____	RUSH Charges Authorized:		
CONTACT: _____	PHONE: _____	DATE: _____	Yes No		
SAMPLE CONDITION WHEN RECEIVED:		MATRIX: <u>Water</u> <u>S-Soil</u>	A-Air SL-Sludge	REMARKS:	

Please Fill out all copies -	Laboratory retains yellow copy -	Return original copy to Highlander Environmental Corp. -	Project Manager retains pink copy	Accounting receives Gold copy.
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10 samples - HS

Lab Analysis

11/02/2004

Report Date: November 15, 2004
1982

Work Order: 4110507
Eunice #1 South Gas Plant

Page Number: 1 of 4
Lea Co. N.M.

Summary Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX 79705

Report Date: November 15, 2004

Work Order: 4110507

Client Name: Chevron Texaco
Project Location: Lea Co. N.M.
Project Name: Eunice #1 South Gas Plant
Project Number: 1982

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
47767	MW-3	water	2004-11-03	10:40	2004-11-05
47768	MW-8	water	2004-11-03	10:00	2004-11-05
47769	MW-13	water	2004-11-03	09:15	2004-11-05
47770	MW-14	water	2004-11-02	15:20	2004-11-05
47771	MW-17	water	2004-11-03	15:30	2004-11-05
47772	MW-18	water	2004-11-03	12:00	2004-11-05
47773	MWD-1	water	2004-11-03	14:45	2004-11-05
47774	MWD-2	water	2004-11-03	16:50	2004-11-05
47775	MWD-7	water	2004-11-03	16:10	2004-11-05
47776	MWD-8	water	2004-11-03	13:20	2004-11-05
47777	MWD-11	water	2004-11-03	11:30	2004-11-05

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
47767 - MW-3	<0.00100	<0.00100	<0.00100	<0.00100
47768 - MW-8	<0.00500	<0.00500	<0.00500	<0.00500
47769 - MW-13	<0.00500	<0.00500	<0.00500	<0.00500
47770 - MW-14	<0.00100	<0.00100	<0.00100	<0.00100
47771 - MW-17	<0.00500	<0.00500	<0.00500	<0.00500
47772 - MW-18	<0.00500	<0.00500	<0.00500	<0.00500
47773 - MWD-1	<0.00100	<0.00100	<0.00100	<0.00100
47774 - MWD-2	<0.00500	<0.00500	<0.00500	<0.00500
47775 - MWD-7	<0.00100	<0.00100	<0.00100	<0.00100
47776 - MWD-8	<0.00100	<0.00100	<0.00100	<0.00100
47777 - MWD-11	<0.00500	<0.00500	<0.00500	<0.00500

Sample: 47767 - MW-3

Param	Flag	Result	Units	RL
Chloride		227	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100

continued ...

sample 47767 continued ...

Param	Flag	Result	Units	RL
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 47768 - MW-8

Param	Flag	Result	Units	RL
Chloride		822	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 47769 - MW-13

Param	Flag	Result	Units	RL
Chloride		406	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		2.17	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 47770 - MW-14

Param	Flag	Result	Units	RL
Chloride		476	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 47771 - MW-17

Report Date: November 15, 2004
1982

Work Order: 4110507
Eunice #1 South Gas Plant

Page Number: 3 of 4
Lea Co. N.M.

Param	Flag	Result	Units	RL
Chloride		6360	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 47772 - MW-18

Param	Flag	Result	Units	RL
Chloride		4240	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.104	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 47773 - MWD-1

Param	Flag	Result	Units	RL
Chloride		15100	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 47774 - MWD-2

Param	Flag	Result	Units	RL
Chloride		26400	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 47775 - MWD-7

Param	Flag	Result	Units	RL
Chloride		9610	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 47776 - MWD-8

Param	Flag	Result	Units	RL
Chloride		13600	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.130	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		0.0110	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 47777 - MWD-11

Param	Flag	Result	Units	RL
Chloride		3230	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500



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FAX 915•585•4944

Analytical and Quality Control Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX 79705

Report Date: November 15, 2004

Work Order: 4110507

Client Name: Chevron Texaco
Project Location: Lea Co. N.M.
Project Name: Eunice #1 South Gas Plant
Project Number: 1982

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
47767	MW-3	water	2004-11-03	10:40	2004-11-05
47768	MW-8	water	2004-11-03	10:00	2004-11-05
47769	MW-13	water	2004-11-03	09:15	2004-11-05
47770	MW-14	water	2004-11-02	15:20	2004-11-05
47771	MW-17	water	2004-11-03	15:30	2004-11-05
47772	MW-18	water	2004-11-03	12:00	2004-11-05
47773	MWD-1	water	2004-11-03	14:45	2004-11-05
47774	MWD-2	water	2004-11-03	16:50	2004-11-05
47775	MWD-7	water	2004-11-03	16:10	2004-11-05
47776	MWD-8	water	2004-11-03	13:20	2004-11-05
47777	MWD-11	water	2004-11-03	11:30	2004-11-05

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 23 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 47767 - MW-3

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 13933	Date Analyzed: 2004-11-09	Analyzed By: MS
Prep Batch: 12310	Date Prepared: 2004-11-09	Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0837	mg/L	1	0.100	84	72.9 - 121
4-Bromofluorobenzene (4-BFB)	1	0.0576	mg/L	1	0.100	58	77.8 - 119

Sample: 47767 - MW-3

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 13968	Date Analyzed: 2004-11-08	Analyzed By: WB
Prep Batch: 12344	Date Prepared: 2004-11-08	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		227	mg/L	10	0.500

Sample: 47767 - MW-3

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 13924	Date Analyzed: 2004-11-10	Analyzed By: RR
Prep Batch: 12266	Date Prepared: 2004-11-08	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 13998	Date Analyzed: 2004-11-12	Analyzed By: RR
Prep Batch: 12370	Date Prepared: 2004-11-12	Prepared By: RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

¹Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Sample: 47768 - MW-8

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 13986	Date Analyzed: 2004-11-11	Analyzed By: MT
Prep Batch: 12364	Date Prepared: 2004-11-11	Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	2	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.491	mg/L	5	0.100	98	72.9 - 121
4-Bromofluorobenzene (4-BFB)	3	0.351	mg/L	5	0.100	70	77.8 - 119

Sample: 47768 - MW-8

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 13968	Date Analyzed: 2004-11-08	Analyzed By: WB
Prep Batch: 12344	Date Prepared: 2004-11-08	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		822	mg/L	100	0.500

Sample: 47768 - MW-8

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 13924	Date Analyzed: 2004-11-10	Analyzed By: RR
Prep Batch: 12266	Date Prepared: 2004-11-08	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 13998	Date Analyzed: 2004-11-12	Analyzed By: RR
Prep Batch: 12370	Date Prepared: 2004-11-12	Prepared By: RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 47769 - MW-13

²Sample was reanalyzed due to low surrogate recovery.

³Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Analysis: BTEX
QC Batch: 13986
Prep Batch: 12364

Analytical Method: S 8021B
Date Analyzed: 2004-11-11
Date Prepared: 2004-11-11

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	4	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.518	mg/L	5	0.100	104	72.9 - 121
4-Bromofluorobenzene (4-BFB)	5	0.358	mg/L	5	0.100	72	77.8 - 119

Sample: 47769 - MW-13

Analysis: Chloride (IC)
QC Batch: 13968
Prep Batch: 12344

Analytical Method: E 300.0
Date Analyzed: 2004-11-08
Date Prepared: 2004-11-08

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		406	mg/L	50	0.500

Sample: 47769 - MW-13

Analysis: Total 8 Metals
QC Batch: 13924
Prep Batch: 12266
Analysis: Total 8 Metals
QC Batch: 13998
Prep Batch: 12370

Analytical Method: S 6010B
Date Analyzed: 2004-11-10
Date Prepared: 2004-11-08
Analytical Method: S 7470A
Date Analyzed: 2004-11-12
Date Prepared: 2004-11-12

Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP
Prep Method: N/A
Analyzed By: RR
Prepared By: RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		2.17	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 47770 - MW-14

Analysis: BTEX

Analytical Method: S 8021B

Prep Method: S 5030B

⁴Sample was reanalyzed due to low surrogate recovery.

⁵Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

QC Batch: 13933
Prep Batch: 12310

Date Analyzed: 2004-11-09
Date Prepared: 2004-11-09

Analyzed By: MS
Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0982	mg/L	1	0.100	98	72.9 - 121
4-Bromofluorobenzene (4-BFB)	6	0.0707	mg/L	1	0.100	71	77.8 - 119

Sample: 47770 - MW-14

Analysis: Chloride (IC)
QC Batch: 13968
Prep Batch: 12344

Analytical Method: E 300.0
Date Analyzed: 2004-11-08
Date Prepared: 2004-11-08

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		476	mg/L	50	0.500

Sample: 47770 - MW-14

Analysis: Total 8 Metals
QC Batch: 13924
Prep Batch: 12266
Analysis: Total 8 Metals
QC Batch: 13998
Prep Batch: 12370

Analytical Method: S 6010B
Date Analyzed: 2004-11-10
Date Prepared: 2004-11-08
Analytical Method: S 7470A
Date Analyzed: 2004-11-12
Date Prepared: 2004-11-12

Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP
Prep Method: N/A
Analyzed By: RR
Prepared By: RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 47771 - MW-17

Analysis: BTEX
QC Batch: 13986
Prep Batch: 12364

Analytical Method: S 8021B
Date Analyzed: 2004-11-11
Date Prepared: 2004-11-11

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

⁶Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	7	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.507	mg/L	5	0.100	101	72.9 - 121
4-Bromofluorobenzene (4-BFB)	8	0.354	mg/L	5	0.100	71	77.8 - 119

Sample: 47771 - MW-17

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	13968	Date Analyzed:	2004-11-08	Analyzed By:	WB
Prep Batch:	12344	Date Prepared:	2004-11-08	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		6360	mg/L	500	0.500

Sample: 47771 - MW-17

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	13925	Date Analyzed:	2004-11-10	Analyzed By:	RR
Prep Batch:	12266	Date Prepared:	2004-11-08	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	13998	Date Analyzed:	2004-11-12	Analyzed By:	RR
Prep Batch:	12370	Date Prepared:	2004-11-12	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 47772 - MW-18

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	13986	Date Analyzed:	2004-11-11	Analyzed By:	MT
Prep Batch:	12364	Date Prepared:	2004-11-11	Prepared By:	MT

⁷Sample was reanalyzed due to low surrogate recovery.

⁸Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	9	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.502	mg/L	5	0.100	100	72.9 - 121
4-Bromofluorobenzene (4-BFB)	10	0.372	mg/L	5	0.100	74	77.8 - 119

Sample: 47772 - MW-18

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	13968	Date Analyzed:	2004-11-08	Analyzed By:	WB
Prep Batch:	12344	Date Prepared:	2004-11-08	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		4240	mg/L	500	0.500

Sample: 47772 - MW-18

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	13925	Date Analyzed:	2004-11-10	Analyzed By:	RR
Prep Batch:	12266	Date Prepared:	2004-11-08	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	13998	Date Analyzed:	2004-11-12	Analyzed By:	RR
Prep Batch:	12370	Date Prepared:	2004-11-12	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.104	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 47773 - MWD-1

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	13933	Date Analyzed:	2004-11-09	Analyzed By:	MS
Prep Batch:	12310	Date Prepared:	2004-11-09	Prepared By:	MS

⁹Sample was reanalyzed due to low surrogate recovery.

¹⁰Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0781	mg/L	1	0.100	78	72.9 - 121
4-Bromofluorobenzene (4-BFB)	¹¹	0.0523	mg/L	1	0.100	52	77.8 - 119

Sample: 47773 - MWD-1

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	13969	Date Analyzed:	2004-11-09	Analyzed By:	WB
Prep Batch:	12345	Date Prepared:	2004-11-09	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		15100	mg/L	1000	0.500

Sample: 47773 - MWD-1

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	13925	Date Analyzed:	2004-11-10	Analyzed By:	RR
Prep Batch:	12266	Date Prepared:	2004-11-08	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	13998	Date Analyzed:	2004-11-12	Analyzed By:	RR
Prep Batch:	12370	Date Prepared:	2004-11-12	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 47774 - MWD-2

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	13986	Date Analyzed:	2004-11-11	Analyzed By:	MT
Prep Batch:	12364	Date Prepared:	2004-11-11	Prepared By:	MT

¹¹ Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	¹²	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.503	mg/L	5	0.100	101	72.9 - 121
4-Bromofluorobenzene (4-BFB)	¹³	0.353	mg/L	5	0.100	71	77.8 - 119

Sample: 47774 - MWD-2

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 13984	Date Analyzed: 2004-11-09	Analyzed By: WB
Prep Batch: 12350	Date Prepared: 2004-11-09	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		26400	mg/L	5000	0.500

Sample: 47774 - MWD-2

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 13925	Date Analyzed: 2004-11-10	Analyzed By: RR
Prep Batch: 12266	Date Prepared: 2004-11-08	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 13998	Date Analyzed: 2004-11-12	Analyzed By: RR
Prep Batch: 12370	Date Prepared: 2004-11-12	Prepared By: RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 47775 - MWD-7

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 13933	Date Analyzed: 2004-11-09	Analyzed By: MS
Prep Batch: 12310	Date Prepared: 2004-11-09	Prepared By: MS

¹²Sample was reanalyzed due to low surrogate recovery.

¹³Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0752	mg/L	1	0.100	75	72.9 - 121
4-Bromofluorobenzene (4-BFB)	¹⁴	0.0484	mg/L	1	0.100	48	77.8 - 119

Sample: 47775 - MWD-7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	13984	Date Analyzed:	2004-11-09	Analyzed By:	WB
Prep Batch:	12350	Date Prepared:	2004-11-09	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		9610	mg/L	1000	0.500

Sample: 47775 - MWD-7

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	13925	Date Analyzed:	2004-11-10	Analyzed By:	RR
Prep Batch:	12266	Date Prepared:	2004-11-08	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	13998	Date Analyzed:	2004-11-12	Analyzed By:	RR
Prep Batch:	12370	Date Prepared:	2004-11-12	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 47776 - MWD-8

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	13933	Date Analyzed:	2004-11-09	Analyzed By:	MS
Prep Batch:	12310	Date Prepared:	2004-11-09	Prepared By:	MS

¹⁴Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0761	mg/L	1	0.100	76	72.9 - 121
4-Bromofluorobenzene (4-BFB)	¹⁵	0.0500	mg/L	1	0.100	50	77.8 - 119

Sample: 47776 - MWD-8

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	13984	Date Analyzed:	2004-11-09	Analyzed By:	WB
Prep Batch:	12350	Date Prepared:	2004-11-09	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		13600	mg/L	1000	0.500

Sample: 47776 - MWD-8

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	13925	Date Analyzed:	2004-11-10	Analyzed By:	RR
Prep Batch:	12266	Date Prepared:	2004-11-08	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	13998	Date Analyzed:	2004-11-12	Analyzed By:	RR
Prep Batch:	12370	Date Prepared:	2004-11-12	Prepared By:	RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.130	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		0.0110	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 47777 - MWD-11

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	13986	Date Analyzed:	2004-11-11	Analyzed By:	MT
Prep Batch:	12364	Date Prepared:	2004-11-11	Prepared By:	MT

¹⁵Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	¹⁶	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.491	mg/L	5	0.100	98	72.9 - 121
4-Bromofluorobenzene (4-BFB)	¹⁷	0.332	mg/L	5	0.100	66	77.8 - 119

Sample: 47777 - MWD-11

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 13984	Date Analyzed: 2004-11-09	Analyzed By: WB
Prep Batch: 12350	Date Prepared: 2004-11-09	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3230	mg/L	500	0.500

Sample: 47777 - MWD-11

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 13925	Date Analyzed: 2004-11-10	Analyzed By: RR
Prep Batch: 12266	Date Prepared: 2004-11-08	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 13999	Date Analyzed: 2004-11-12	Analyzed By: RR
Prep Batch: 12370	Date Prepared: 2004-11-12	Prepared By: RR

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Method Blank (1) QC Batch: 13924

Parameter	Flag	Result	Units	RL
Total Silver		<0.0125	mg/L	0.0125

continued ...

¹⁶Sample was reanalyzed due to low surrogate recovery.

¹⁷Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

method blank continued ...

Parameter	Flag	Result	Units	RL
Total Arsenic		<0.0100	mg/L	0.01
Total Barium		<0.100	mg/L	0.1
Total Cadmium		<0.00500	mg/L	0.005
Total Chromium		<0.0100	mg/L	0.01
Total Lead		<0.0100	mg/L	0.01
Total Selenium		<0.0500	mg/L	0.05

Method Blank (1) QC Batch: 13925

Parameter	Flag	Result	Units	RL
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.01
Total Barium		<0.100	mg/L	0.1
Total Cadmium		<0.00500	mg/L	0.005
Total Chromium		<0.0100	mg/L	0.01
Total Lead		<0.0100	mg/L	0.01
Total Selenium		<0.0500	mg/L	0.05

Method Blank (1) QC Batch: 13933

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0980	mg/L	1	0.100	98	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0720	mg/L	1	0.100	72	52.4 - 113

Method Blank (1) QC Batch: 13968

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 13969

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 13984

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 13986

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0995	mg/L	1	0.100	100	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0714	mg/L	1	0.100	71	52.4 - 113

Method Blank (1) QC Batch: 13998

Parameter	Flag	Result	Units	RL
Total Mercury		<0.000200	mg/L	0.0002

Method Blank (1) QC Batch: 13999

Parameter	Flag	Result	Units	RL
Total Mercury		<0.000200	mg/L	0.0002

Laboratory Control Spike (LCS-1) QC Batch: 13924

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.127	0.128	mg/L	1	0.125	<0.000199	102	1	85 - 115	20
Total Arsenic	0.510	0.514	mg/L	1	0.500	<0.00860	102	1	85 - 115	20
Total Barium	1.00	1.02	mg/L	1	1.00	<0.000984	100	2	85 - 115	20
Total Cadmium	0.251	0.254	mg/L	1	0.250	<0.000577	100	1	85 - 115	20
Total Chromium	0.106	0.106	mg/L	1	0.100	<0.000437	106	0	85 - 115	20
Total Lead	0.518	0.522	mg/L	1	0.500	<0.00310	104	1	85 - 115	20
Total Selenium	0.481	0.475	mg/L	1	0.500	<0.00370	96	1	85 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 13925

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.127	0.128	mg/L	1	0.125	<0.000199	102	1	85 - 115	20
Total Arsenic	0.510	0.514	mg/L	1	0.500	<0.00860	102	1	85 - 115	20
Total Barium	1.00	1.02	mg/L	1	1.00	<0.000984	100	2	85 - 115	20
Total Cadmium	0.251	0.254	mg/L	1	0.250	<0.000577	100	1	85 - 115	20
Total Chromium	0.106	0.106	mg/L	1	0.100	<0.000437	106	0	85 - 115	20
Total Lead	0.518	0.522	mg/L	1	0.500	<0.00310	104	1	85 - 115	20
Total Selenium	0.481	0.475	mg/L	1	0.500	<0.00370	96	1	85 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 13933

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0907	0.0932	mg/L	1	0.100	<0.000136	91	3	72.8 - 113	8.8
Toluene	0.0927	0.0932	mg/L	1	0.100	<0.000247	93	0	75.2 - 112	8.8
Ethylbenzene	0.0967	0.0975	mg/L	1	0.100	<0.000550	97	1	81 - 112	9.4
Xylene	0.317	0.321	mg/L	1	0.300	<0.00156	106	1	82.9 - 119	8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0986	0.0957	mg/L	1	0.100	99	96	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.0968	0.0954	mg/L	1	0.100	97	95	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 13968

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.4	12.4	mg/L	1	12.5	<0.337	99	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 13969

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.8	11.8	mg/L	1	12.5	<0.337	94	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 13984

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.8	11.8	mg/L	1	12.5	<0.337	94	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 13986

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0897	0.0914	mg/L	1	0.100	<0.000136	90	2	72.8 - 113	8.8
Toluene	0.0906	0.0929	mg/L	1	0.100	<0.000247	91	2	75.2 - 112	8.8
Ethylbenzene	0.0966	0.0979	mg/L	1	0.100	<0.000550	97	1	81 - 112	9.4
Xylene	0.318	0.323	mg/L	1	0.300	<0.00156	106	2	82.9 - 119	8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0966	0.0975	mg/L	1	0.100	97	98	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.0939	0.0940	mg/L	1	0.100	94	94	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 13998

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.000880	0.000970	mg/L	1	0.00100	<0.000329	88	10	82 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 13999

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.000880	0.000970	mg/L	1	0.00100	<0.000329	88	10	82 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 13924 Spiked Sample:

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.126	0.131	mg/L	1	0.125	<0.000199	101	4	75 - 125	20
Total Arsenic	0.511	0.529	mg/L	1	0.500	<0.00860	102	3	75 - 125	20
Total Barium	1.06	1.08	mg/L	1	1.00	<0.000984	106	2	75 - 125	20
Total Cadmium	0.228	0.237	mg/L	1	0.250	<0.000577	91	4	75 - 125	20
Total Chromium	0.0970	0.101	mg/L	1	0.100	<0.000437	97	4	75 - 125	20
Total Lead	0.468	0.484	mg/L	1	0.500	<0.00310	94	3	75 - 125	20
Total Selenium	0.483	0.498	mg/L	1	0.500	<0.00370	97	3	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 13925 Spiked Sample:

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.136	0.136	mg/L	1	0.125	<0.000199	109	0	75 - 125	20
Total Arsenic	0.498	0.511	mg/L	1	0.500	<0.00860	100	2	75 - 125	20
Total Barium	0.919	0.922	mg/L	1	1.00	0.049	87	0	75 - 125	20
Total Cadmium	0.217	0.217	mg/L	1	0.250	<0.000577	87	0	75 - 125	20

continued ...

matrix spikes continued ...

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Chromium	0.0920	0.0920	mg/L	1	0.100	<0.000437	92	0	75 - 125	20
Total Lead	0.442	0.446	mg/L	1	0.500	<0.00310	88	1	75 - 125	20
Total Selenium	0.492	0.501	mg/L	1	0.500	<0.00370	98	2	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 13968 Spiked Sample: 47685

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride ¹⁸¹⁹	20200	19800	mg/L	1000	12.5	6230	112	2	84.7 - 100.6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 13969 Spiked Sample: 48072

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride ²⁰²¹	112	111	mg/L	5	12.5	42.4	111	1	84.7 - 100.6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 13984 Spiked Sample: 47873

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	76.5	79.1	mg/L	5	12.5	16.7	96	3	84.7 - 100.6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 13998 Spiked Sample:

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.000810	0.000800	mg/L	1	0.00100	<0.0000329	81	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 13999 Spiked Sample:

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.000810	0.000800	mg/L	1	0.00100	<0.0000329	81	1	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

¹⁸Matrix spike difficulties.

¹⁹Matrix spike difficulties.RPD with in limits.

²⁰Matrix spike difficulties.

²¹Matrix spike difficulties.

Standard (ICV-1) QC Batch: 13924

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2004-11-10
Total Arsenic		mg/L	1.00	1.02	102	90 - 110	2004-11-10
Total Barium		mg/L	1.00	1.02	102	90 - 110	2004-11-10
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2004-11-10
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2004-11-10
Total Lead		mg/L	1.00	1.02	102	90 - 110	2004-11-10
Total Selenium		mg/L	1.00	1.02	102	90 - 110	2004-11-10

Standard (CCV-1) QC Batch: 13924

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.129	103	90 - 110	2004-11-10
Total Arsenic		mg/L	1.00	1.06	106	90 - 110	2004-11-10
Total Barium		mg/L	1.00	1.04	104	90 - 110	2004-11-10
Total Cadmium		mg/L	1.00	1.04	104	90 - 110	2004-11-10
Total Chromium		mg/L	1.00	1.04	104	90 - 110	2004-11-10
Total Lead		mg/L	1.00	1.05	105	90 - 110	2004-11-10
Total Selenium		mg/L	1.00	1.05	105	90 - 110	2004-11-10

Standard (ICV-1) QC Batch: 13925

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.127	102	90 - 110	2004-11-10
Total Arsenic		mg/L	1.00	1.02	102	90 - 110	2004-11-10
Total Barium		mg/L	1.00	1.02	102	90 - 110	2004-11-10
Total Cadmium		mg/L	1.00	1.02	102	90 - 110	2004-11-10
Total Chromium		mg/L	1.00	1.02	102	90 - 110	2004-11-10
Total Lead		mg/L	1.00	1.02	102	90 - 110	2004-11-10
Total Selenium		mg/L	1.00	1.02	102	90 - 110	2004-11-10

Standard (CCV-1) QC Batch: 13925

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.129	103	90 - 110	2004-11-10
Total Arsenic		mg/L	1.00	1.06	106	90 - 110	2004-11-10
Total Barium		mg/L	1.00	1.04	104	90 - 110	2004-11-10
Total Cadmium		mg/L	1.00	1.04	104	90 - 110	2004-11-10
Total Chromium		mg/L	1.00	1.04	104	90 - 110	2004-11-10
Total Lead		mg/L	1.00	1.05	105	90 - 110	2004-11-10
Total Selenium		mg/L	1.00	1.05	105	90 - 110	2004-11-10

Standard (ICV-1) QC Batch: 13933

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0953	95	85 - 115	2004-11-09
Toluene		mg/L	0.100	0.0950	95	85 - 115	2004-11-09
Ethylbenzene		mg/L	0.100	0.100	100	85 - 115	2004-11-09
Xylene		mg/L	0.300	0.329	110	85 - 115	2004-11-09

Standard (CCV-1) QC Batch: 13933

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0917	92	85 - 115	2004-11-09
Toluene		mg/L	0.100	0.0862	86	85 - 115	2004-11-09
Ethylbenzene		mg/L	0.100	0.0924	92	85 - 115	2004-11-09
Xylene		mg/L	0.300	0.305	102	85 - 115	2004-11-09

Standard (ICV-1) QC Batch: 13968

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.4	99	90 - 110	2004-11-08

Standard (CCV-1) QC Batch: 13968

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.4	99	90 - 110	2004-11-08

Standard (ICV-1) QC Batch: 13969

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2004-11-09

Standard (CCV-1) QC Batch: 13969

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2004-11-09

Standard (ICV-1) QC Batch: 13984

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2004-11-09

Standard (CCV-1) QC Batch: 13984

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.8	94	90 - 110	2004-11-09

Standard (ICV-1) QC Batch: 13986

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0910	91	85 - 115	2004-11-11
Toluene		mg/L	0.100	0.0916	92	85 - 115	2004-11-11
Ethylbenzene		mg/L	0.100	0.0976	98	85 - 115	2004-11-11
Xylene		mg/L	0.300	0.324	108	85 - 115	2004-11-11

Standard (CCV-1) QC Batch: 13986

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0928	93	85 - 115	2004-11-11
Toluene		mg/L	0.100	0.0939	94	85 - 115	2004-11-11
Ethylbenzene		mg/L	0.100	0.0983	98	85 - 115	2004-11-11
Xylene		mg/L	0.300	0.324	108	85 - 115	2004-11-11

Standard (ICV-1) QC Batch: 13998

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00106	106	80 - 120	2004-11-12

Standard (CCV-1) QC Batch: 13998

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00110	110	80 - 120	2004-11-12

Standard (ICV-1) QC Batch: 13999

Report Date: November 15, 2004
1982

Work Order: 4110507
Eunice #1 South Gas Plant

Page Number: 21 of 23
Lea Co. N.M.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00106	106	80 - 120	2004-11-12

Standard (CCV-1) QC Batch: 13999

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00110	110	80 - 120	2004-11-12

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4110507

Analysis Request and Chain of Custody Record				PAGE: 2 OF: 2	
HIGHLANDER ENVIRONMENTAL CORP.				ANALYSIS REQUEST (Circle or Specify Method No.)	
CLIENT NAME: Chevron Tefaco		SITE MANAGER: Ike Tovar		Fax (432) 682-3946	
PROJECT NO.: 1982		PROJECT NAME: Chevron Tefaco / Eunice South Plant			
LAB I.D. NUMBER		DATE		TIME	
47777		11/3/04		11:30W	
COMP. GRAB		SAMPLE IDENTIFICATION			
MUD-11					
NUMBER OF CONTAINERS		FILTERED (Y/N)		PRESERVATIVE METHOD	
4		Y		HCL	
				HNO3	
				ICE	
				NONE	
BTEX 8020/802		X			
MTBE 8020/802					
TPH 418.1 8015 MOD. TX1005					
PAH 8270		X			
PCMA Metals Ag As Ba Cd Cr Pb Hg Se					
TCMP Volatiles					
TCMP Semi Volatiles					
RCI					
GCMS Vol. 8240/8260/824					
GCMS Semi Vol. 8270/825					
PCB's 8080/808					
Pet. 808/808					
BOD, TSS, pH, TDS, Chloride		X			
Gamma Spec					
Alpha Beta (Alr)					
PLM (Asbestos)					
RELINQUISHED BY: (Signature)		Date: 11/3/04		Time: 11:30	
RECEIVED BY: (Signature)		Date: 11/3/04		Time: 11:30	
RELINQUISHED BY: (Signature)		Date: 11/3/04		Time: 11:30	
RECEIVED BY: (Signature)		Date: 11/3/04		Time: 11:30	
RECEIVING LABORATORY: Tefaco 2401120		DATE: 11/3/04		TIME: 11:30	
ADDRESS: 2401120		STATE: TX		ZIP: 79705	
CONTACT: 2401120		PHONE: 2401120			
SAMPLE CONDITION WHEN RECEIVED:		MATRIX: 2401120		DATE: 11/3/04	
		A-Air		SD-Solid	
		SL-Sludge		O-Other	
REMARKS: mud		DATE: 11/3/04		TIME: 11:30	
FBI - Nov 19 2004					
HIGHLANDER CONTACT PERSON: Ike Tovar		Date: 11/3/04		Time: 11:30	
HAND DELIVERED		BUS		UPS	
OTHER: 2401120					
RUSH Charges Authorized: Yes					

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4110507

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.

Midland, Texas 79705

(432) 682-4559

Fax (432) 682-3946

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Lab Analysis

11/05/2004

Summary Report

Ike Tavarez
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX 79705

Report Date: December 10, 2004

Work Order: 4111505

Client Name: Chevron Texaco
Project Location: Lea Co. N.M.
Project Name: Eunice #1 South Gas Plant
Project Number: 1982

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
48468	MW-4	water	2004-11-05	13:30	2004-11-15
48469	MW-6	water	2004-11-05	11:00	2004-11-15
48470	MW-7	water	2004-11-05	11:30	2004-11-15
48471	MW-9	water	2004-11-09	17:00	2004-11-15
48472	MW-10	water	2004-11-11	14:20	2004-11-15
48473	MW-11	water	2004-11-11	15:15	2004-11-15
48474	MW-15	water	2004-11-11	11:05	2004-11-15
48475	MW-16	water	2004-11-11	10:30	2004-11-15
48476	MW-19	water	2004-11-09	12:00	2004-11-15
48477	MW-22	water	2004-11-09	08:25	2004-11-15
48478	MW-23	water	2004-11-09	09:30	2004-11-15
48479	MW-24	water	2004-11-09	16:00	2004-11-15
48480	MW-25	water	2004-11-09	16:30	2004-11-15
48481	MW-26	water	2004-11-11	13:45	2004-11-15
48482	MW-27	water	2004-11-11	13:15	2004-11-15
48483	MW-29	water	2004-11-08	14:00	2004-11-15
48484	MW-30	water	2004-11-05	15:15	2004-11-15
48485	MW-31	water	2004-11-08	13:00	2004-11-15
48486	MWD-3	water	2004-11-09	08:45	2004-11-15
48487	MWD-4	water	2004-11-05	12:15	2004-11-15
48488	MWD-5	water	2004-11-09	13:15	2004-11-15
48489	MWD-6	water	2004-11-05	09:30	2004-11-15
48490	MWD-9	water	2004-11-09	09:50	2004-11-15
48491	MWD-10	water	2004-11-09	11:15	2004-11-15
48492	MWD-12	water	2004-11-05	14:20	2004-11-15
48493	MWD-13	water	2004-11-05	10:45	2004-11-15
48494	MWD-14	water	2004-11-09	10:30	2004-11-15
48495	MWD-15	water	2004-11-08	16:45	2004-11-15
48496	MWD-16	water	2004-11-08	17:50	2004-11-15
48497	MWD-17	water	2004-11-08	15:15	2004-11-15
48498	TMW-1	water	2004-11-09	14:15	2004-11-15
48499	TMW-3	water	2004-11-09	14:45	2004-11-15
48500	TMW-6	water	2004-11-09	15:20	2004-11-15

Sample - Field Code	BTEX			
	Benzene (mg/L)	Toluene (mg/L)	Ethylbenzene (mg/L)	Xylene (mg/L)
48468 - MW-4	0.153	0.00370	0.00100	0.00380
48469 - MW-6	0.00210	0.00110	<0.00100	<0.00100
48470 - MW-7	<0.00100	<0.00100	<0.00100	<0.00100
48471 - MW-9	8.79	0.516	0.569	0.494
48472 - MW-10	37.6	<0.500	<0.500	<0.500
48473 - MW-11	26.9	<0.500	<0.500	<0.500
48474 - MW-15	<0.00500	<0.00500	<0.00500	<0.00500
48475 - MW-16	0.00660	<0.00100	<0.00100	<0.00100
48476 - MW-19	0.758	<0.0100	0.0419	0.0292
48477 - MW-22	0.340	<0.00500	0.00590	<0.00500
48478 - MW-23	<0.00500	<0.00500	<0.00500	<0.00500
48479 - MW-24	18.5	<0.100	0.352	0.556
48480 - MW-25	2.12	<0.0500	0.249	<0.0500
48481 - MW-26	6.02	<0.0500	0.106	<0.0500
48482 - MW-27	14.1	0.170	0.397	0.187
48483 - MW-29	<0.00100	0.00120	0.0683	0.0502
48484 - MW-30	<0.00100	<0.00100	0.00310	<0.00100
48485 - MW-31	0.367	<0.0100	0.0321	<0.0100
48486 - MWD-3	0.576	<0.0100	0.0492	<0.0100
48487 - MWD-4	<0.00500	<0.00500	<0.00500	<0.00500
48488 - MWD-5	7.35	1.93	0.377	0.434
48489 - MWD-6	0.121	<0.00100	0.0164	<0.00100
48490 - MWD-9	0.0334	<0.00100	0.00510	0.00220
48491 - MWD-10	0.875	<0.0200	0.259	0.0320
48492 - MWD-12	0.468	<0.0100	0.0139	<0.0100
48493 - MWD-13	<0.00500	<0.00500	<0.00500	<0.00500
48494 - MWD-14	1.61	0.0309	0.0449	<0.0200
48495 - MWD-15	0.314	0.0117	0.753	0.602
48496 - MWD-16	0.491	<0.0100	0.0714	0.0278
48497 - MWD-17	3.11	<0.0500	<0.0500	<0.0500
48498 - TMW-1	0.0102	<0.00500	<0.00500	0.0139
48499 - TMW-3	<0.00100	<0.00100	0.0181	<0.00100
48500 - TMW-6	4.17	<0.200	0.621	0.384

Sample: 48468 - MW-4

Param	Flag	Result	Units	RL
Chloride		8290	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48469 - MW-6

Param	Flag	Result	Units	RL
Chloride		5740	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100

continued ...

sample 48469 continued ...

Param	Flag	Result	Units	RL
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48470 - MW-7

Param	Flag	Result	Units	RL
Chloride		83.3	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.07	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48471 - MW-9

Param	Flag	Result	Units	RL
Chloride		466	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		15.5	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48472 - MW-10

Param	Flag	Result	Units	RL
Chloride		653	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		4.95	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48473 - MW-11

Param	Flag	Result	Units	RL
Chloride		605	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.59	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48474 - MW-15

Param	Flag	Result	Units	RL
Chloride		2420	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48475 - MW-16

Param	Flag	Result	Units	RL
Chloride		1870	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		0.167	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48476 - MW-19

Param	Flag	Result	Units	RL
Chloride		3510	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.675	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48477 - MW-22

Param	Flag	Result	Units	RL
Chloride		16900	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.371	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48478 - MW-23

Param	Flag	Result	Units	RL
Chloride		8500	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48479 - MW-24

Param	Flag	Result	Units	RL
Chloride		269	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		5.60	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48480 - MW-25

Param	Flag	Result	Units	RL
Chloride		3900	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.166	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48481 - MW-26

Param	Flag	Result	Units	RL
Chloride		690	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		4.32	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48482 - MW-27

Param	Flag	Result	Units	RL
Chloride		1070	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.110	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		0.000520	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48483 - MW-29

Param	Flag	Result	Units	RL
Chloride		369	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.05	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48484 - MW-30

Param	Flag	Result	Units	RL
Chloride		331	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		6.55	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48485 - MW-31

Param	Flag	Result	Units	RL
Chloride		382	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		2.63	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48486 - MWD-3

Param	Flag	Result	Units	RL
Chloride		77600	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.135	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48487 - MWD-4

Param	Flag	Result	Units	RL
Chloride		344	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.944	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48488 - MWD-5

Param	Flag	Result	Units	RL
Chloride		1350	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		4.06	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		0.000520	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48489 - MWD-6

Param	Flag	Result	Units	RL
Chloride		824	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.266	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48490 - MWD-9

Param	Flag	Result	Units	RL
Chloride		46400	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		0.000210	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48491 - MWD-10

Param	Flag	Result	Units	RL
Chloride		7580	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.899	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48492 - MWD-12

Param	Flag	Result	Units	RL
Chloride		6630	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.457	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48493 - MWD-13

Param	Flag	Result	Units	RL
Chloride		29200	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		<0.100	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48494 - MWD-14

Param	Flag	Result	Units	RL
Chloride		18400	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.173	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48495 - MWD-15

Param	Flag	Result	Units	RL
Chloride		42800	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.186	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48496 - MWD-16

Param	Flag	Result	Units	RL
Chloride		15300	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.337	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48497 - MWD-17

Param	Flag	Result	Units	RL
Chloride		8880	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		0.248	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48498 - TMW-1

Param	Flag	Result	Units	RL
Chloride		1010	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		1.19	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48499 - TMW-3

Param	Flag	Result	Units	RL
Chloride		605	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.0100
Total Barium		2.33	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

Sample: 48500 - TMW-6

Param	Flag	Result	Units	RL
Chloride		417	mg/L	0.500
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		0.124	mg/L	0.0100
Total Barium		1.45	mg/L	0.100
Total Cadmium		<0.00500	mg/L	0.00500
Total Chromium		<0.0100	mg/L	0.0100
Total Mercury		<0.000200	mg/L	0.000200
Total Lead		<0.0100	mg/L	0.0100
Total Selenium		<0.0500	mg/L	0.0500

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Analytical and Quality Control Report

Ike Tavaréz
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX 79705

Report Date: December 10, 2004

Work Order: 4111505

Client Name: Chevron Texaco
Project Location: Lea Co. N.M.
Project Name: Eunice #1 South Gas Plant
Project Number: 1982

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
48468	MW-4	water	2004-11-05	13:30	2004-11-15
48469	MW-6	water	2004-11-05	11:00	2004-11-15
48470	MW-7	water	2004-11-05	11:30	2004-11-15
48471	MW-9	water	2004-11-09	17:00	2004-11-15
48472	MW-10	water	2004-11-11	14:20	2004-11-15
48473	MW-11	water	2004-11-11	15:15	2004-11-15
48474	MW-15	water	2004-11-11	11:05	2004-11-15
48475	MW-16	water	2004-11-11	10:30	2004-11-15
48476	MW-19	water	2004-11-09	12:00	2004-11-15
48477	MW-22	water	2004-11-09	08:25	2004-11-15
48478	MW-23	water	2004-11-09	09:30	2004-11-15
48479	MW-24	water	2004-11-09	16:00	2004-11-15
48480	MW-25	water	2004-11-09	16:30	2004-11-15
48481	MW-26	water	2004-11-11	13:45	2004-11-15
48482	MW-27	water	2004-11-11	13:15	2004-11-15
48483	MW-29	water	2004-11-08	14:00	2004-11-15
48484	MW-30	water	2004-11-05	15:15	2004-11-15
48485	MW-31	water	2004-11-08	13:00	2004-11-15
48486	MWD-3	water	2004-11-09	08:45	2004-11-15
48487	MWD-4	water	2004-11-05	12:15	2004-11-15
48488	MWD-5	water	2004-11-09	13:15	2004-11-15
48489	MWD-6	water	2004-11-05	09:30	2004-11-15
48490	MWD-9	water	2004-11-09	09:50	2004-11-15
48491	MWD-10	water	2004-11-09	11:15	2004-11-15
48492	MWD-12	water	2004-11-05	14:20	2004-11-15
48493	MWD-13	water	2004-11-05	10:45	2004-11-15
48494	MWD-14	water	2004-11-09	10:30	2004-11-15
48495	MWD-15	water	2004-11-08	16:45	2004-11-15
48496	MWD-16	water	2004-11-08	17:50	2004-11-15
48497	MWD-17	water	2004-11-08	15:15	2004-11-15
48498	TMW-1	water	2004-11-09	14:15	2004-11-15
48499	TMW-3	water	2004-11-09	14:45	2004-11-15
48500	TMW-6	water	2004-11-09	15:20	2004-11-15

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 58 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 48468 - MW-4

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 14076	Date Analyzed: 2004-11-16	Analyzed By: MS
Prep Batch: 12450	Date Prepared: 2004-11-16	Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.153	mg/L	1	0.00100
Toluene		0.00370	mg/L	1	0.00100
Ethylbenzene		0.00100	mg/L	1	0.00100
Xylene		0.00380	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.109	mg/L	1	0.100	109	72.9 - 121
4-Bromofluorobenzene (4-BFB)		0.102	mg/L	1	0.100	102	77.8 - 119

Sample: 48468 - MW-4

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 14223	Date Analyzed: 2004-11-22	Analyzed By: WB
Prep Batch: 12566	Date Prepared: 2004-11-22	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8290	mg/L	1000	0.500

Sample: 48468 - MW-4

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 14112	Date Analyzed: 2004-11-19	Analyzed By: TP
Prep Batch: 12481	Date Prepared: 2004-11-18	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 14199	Date Analyzed: 2004-11-23	Analyzed By: RR
Prep Batch: 12434	Date Prepared: 2004-11-16	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48469 - MW-6

Analysis: BTEX
QC Batch: 14076
Prep Batch: 12450

Analytical Method: S 8021B
Date Analyzed: 2004-11-16
Date Prepared: 2004-11-16

Prep Method: S 5030B
Analyzed By: MS
Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00210	mg/L	1	0.00100
Toluene		0.00110	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	72.9 - 121
4-Bromofluorobenzene (4-BFB)		0.0888	mg/L	1	0.100	89	77.8 - 119

Sample: 48469 - MW-6

Analysis: Chloride (IC)
QC Batch: 14223
Prep Batch: 12566

Analytical Method: E 300.0
Date Analyzed: 2004-11-22
Date Prepared: 2004-11-22

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		5740	mg/L	500	0.500

Sample: 48469 - MW-6

Analysis: Total 8 Metals
QC Batch: 14112
Prep Batch: 12481
Analysis: Total 8 Metals
QC Batch: 14199
Prep Batch: 12434

Analytical Method: S 7470A
Date Analyzed: 2004-11-19
Date Prepared: 2004-11-18
Analytical Method: S 6010B
Date Analyzed: 2004-11-23
Date Prepared: 2004-11-16

Prep Method: N/A
Analyzed By: TP
Prepared By: TP
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48470 - MW-7

Analysis: BTEX
QC Batch: 14076
Prep Batch: 12450

Analytical Method: S 8021B
Date Analyzed: 2004-11-16
Date Prepared: 2004-11-16

Prep Method: S 5030B
Analyzed By: MS
Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	72.9 - 121
4-Bromofluorobenzene (4-BFB)		0.0844	mg/L	1	0.100	84	77.8 - 119

Sample: 48470 - MW-7

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14223	Date Analyzed:	2004-11-22	Analyzed By:	WB
Prep Batch:	12566	Date Prepared:	2004-11-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		83.3	mg/L	10	0.500

Sample: 48470 - MW-7

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14112	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14199	Date Analyzed:	2004-11-23	Analyzed By:	RR
Prep Batch:	12434	Date Prepared:	2004-11-16	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.07	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48471 - MW-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14210	Date Analyzed:	2004-11-22	Analyzed By:	MT
Prep Batch:	12557	Date Prepared:	2004-11-22	Prepared By:	MT

continued...

sample 48471 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	1	8.79	mg/L	50	0.00100
Toluene		0.516	mg/L	50	0.00100
Ethylbenzene		0.569	mg/L	50	0.00100
Xylene		0.494	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.52	mg/L	50	0.100	110	72.9 - 121
4-Bromofluorobenzene (4-BFB)		4.00	mg/L	50	0.100	80	77.8 - 119

Sample: 48471 - MW-9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14223	Date Analyzed:	2004-11-22	Analyzed By:	WB
Prep Batch:	12566	Date Prepared:	2004-11-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		466	mg/L	50	0.500

Sample: 48471 - MW-9

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14112	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14199	Date Analyzed:	2004-11-23	Analyzed By:	RR
Prep Batch:	12434	Date Prepared:	2004-11-16	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		15.5	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48472 - MW-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
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¹ Sample was reanalyzed to confirm the benzene amount.

QC Batch: 14323
Prep Batch: 12653

Date Analyzed: 2004-11-29
Date Prepared: 2004-11-29

Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	²	37.6	mg/L	500	0.00100
Toluene		<0.500	mg/L	500	0.00100
Ethylbenzene		<0.500	mg/L	500	0.00100
Xylene		<0.500	mg/L	500	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		49.7	mg/L	500	0.100	99	72.9 - 121
4-Bromofluorobenzene (4-BFB)	³	31.5	mg/L	500	0.100	63	77.8 - 119

Sample: 48472 - MW-10

Analysis: Chloride (IC)
QC Batch: 14223
Prep Batch: 12566

Analytical Method: E 300.0
Date Analyzed: 2004-11-22
Date Prepared: 2004-11-22

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		653	mg/L	100	0.500

Sample: 48472 - MW-10

Analysis: Total 8 Metals
QC Batch: 14112
Prep Batch: 12481
Analysis: Total 8 Metals
QC Batch: 14199
Prep Batch: 12434

Analytical Method: S 7470A
Date Analyzed: 2004-11-19
Date Prepared: 2004-11-18
Analytical Method: S 6010B
Date Analyzed: 2004-11-23
Date Prepared: 2004-11-16

Prep Method: N/A
Analyzed By: TP
Prepared By: TP
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		4.95	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48473 - MW-11

Analysis: BTEX
QC Batch: 14323

Analytical Method: S 8021B
Date Analyzed: 2004-11-29

Prep Method: S 5030B
Analyzed By: MT

²RR to verify content.

³Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Prep Batch: 12653

Date Prepared: 2004-11-29

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	4	26.9	mg/L	500	0.00100
Toluene		<0.500	mg/L	500	0.00100
Ethylbenzene		<0.500	mg/L	500	0.00100
Xylene		<0.500	mg/L	500	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		48.7	mg/L	500	0.100	97	72.9 - 121
4-Bromofluorobenzene (4-BFB)	5	31.0	mg/L	500	0.100	62	77.8 - 119

Sample: 48473 - MW-11

Analysis: Chloride (IC)
QC Batch: 14223
Prep Batch: 12566

Analytical Method: E 300.0
Date Analyzed: 2004-11-22
Date Prepared: 2004-11-22

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		605	mg/L	100	0.500

Sample: 48473 - MW-11

Analysis: Total 8 Metals
QC Batch: 14112
Prep Batch: 12481
Analysis: Total 8 Metals
QC Batch: 14199
Prep Batch: 12434

Analytical Method: S 7470A
Date Analyzed: 2004-11-19
Date Prepared: 2004-11-18
Analytical Method: S 6010B
Date Analyzed: 2004-11-23
Date Prepared: 2004-11-16

Prep Method: N/A
Analyzed By: TP
Prepared By: TP
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.59	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48474 - MW-15

Analysis: BTEX
QC Batch: 14323
Prep Batch: 12653

Analytical Method: S 8021B
Date Analyzed: 2004-11-29
Date Prepared: 2004-11-29

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

⁴RR to verify content.

⁵Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	6	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.486	mg/L	5	0.100	97	72.9 - 121
4-Bromofluorobenzene (4-BFB)	7	0.303	mg/L	5	0.100	61	77.8 - 119

Sample: 48474 - MW-15

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14223	Date Analyzed:	2004-11-22	Analyzed By:	WB
Prep Batch:	12566	Date Prepared:	2004-11-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		2420	mg/L	100	0.500

Sample: 48474 - MW-15

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14112	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14199	Date Analyzed:	2004-11-23	Analyzed By:	RR
Prep Batch:	12434	Date Prepared:	2004-11-16	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48475 - MW-16

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14076	Date Analyzed:	2004-11-16	Analyzed By:	MS
Prep Batch:	12450	Date Prepared:	2004-11-16	Prepared By:	MS

⁶RR to verify content.

⁷Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.00660	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		<0.00100	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.103	mg/L	1	0.100	103	72.9 - 121
4-Bromofluorobenzene (4-BFB)		0.0841	mg/L	1	0.100	84	77.8 - 119

Sample: 48475 - MW-16

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14223	Date Analyzed:	2004-11-22	Analyzed By:	WB
Prep Batch:	12566	Date Prepared:	2004-11-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1870	mg/L	100	0.500

Sample: 48475 - MW-16

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14112	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		0.167	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48476 - MW-19

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14211	Date Analyzed:	2004-11-22	Analyzed By:	MT
Prep Batch:	12558	Date Prepared:	2004-11-22	Prepared By:	MT

continued ...

sample 48476 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	⁸	0.758	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		0.0419	mg/L	10	0.00100
Xylene		0.0292	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.05	mg/L	10	0.100	105	72.9 - 121
4-Bromofluorobenzene (4-BFB)		0.798	mg/L	10	0.100	80	77.8 - 119

Sample: 48476 - MW-19

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14223	Date Analyzed:	2004-11-22	Analyzed By:	WB
Prep Batch:	12566	Date Prepared:	2004-11-22	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3510	mg/L	500	0.500

Sample: 48476 - MW-19

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14113	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.675	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48477 - MW-22

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
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⁸Sample was reanalyzed to confirm the benzene amount.

QC Batch: 14211
Prep Batch: 12558

Date Analyzed: 2004-11-22
Date Prepared: 2004-11-22

Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	9	0.340	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		0.00590	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.517	mg/L	5	0.100	103	72.9 - 121
4-Bromofluorobenzene (4-BFB)	10	0.360	mg/L	5	0.100	72	77.8 - 119

Sample: 48477 - MW-22

Analysis: Chloride (IC)
QC Batch: 14223
Prep Batch: 12566

Analytical Method: E 300.0
Date Analyzed: 2004-11-22
Date Prepared: 2004-11-22

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		16900	mg/L	1000	0.500

Sample: 48477 - MW-22

Analysis: Total 8 Metals
QC Batch: 14113
Prep Batch: 12481
Analysis: Total 8 Metals
QC Batch: 14181
Prep Batch: 12458

Analytical Method: S 7470A
Date Analyzed: 2004-11-19
Date Prepared: 2004-11-18
Analytical Method: S 6010B
Date Analyzed: 2004-11-22
Date Prepared: 2004-11-17

Prep Method: N/A
Analyzed By: TP
Prepared By: TP
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.371	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48478 - MW-23

Analysis: BTEX
QC Batch: 14211

Analytical Method: S 8021B
Date Analyzed: 2004-11-22

Prep Method: S 5030B
Analyzed By: MT

⁹Sample was reanalyzed due to possible carry over from the previous sample.

¹⁰Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Prep Batch: 12558

Date Prepared: 2004-11-22

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	¹¹	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.488	mg/L	5	0.100	98	72.9 - 121
4-Bromofluorobenzene (4-BFB)	¹²	0.330	mg/L	5	0.100	66	77.8 - 119

Sample: 48478 - MW-23

Analysis: Chloride (IC)
QC Batch: 14302
Prep Batch: 12634

Analytical Method: E 300.0
Date Analyzed: 2004-11-23
Date Prepared: 2004-11-23

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8500	mg/L	1000	0.500

Sample: 48478 - MW-23

Analysis: Total 8 Metals
QC Batch: 14113
Prep Batch: 12481
Analysis: Total 8 Metals
QC Batch: 14181
Prep Batch: 12458

Analytical Method: S 7470A
Date Analyzed: 2004-11-19
Date Prepared: 2004-11-18
Analytical Method: S 6010B
Date Analyzed: 2004-11-22
Date Prepared: 2004-11-17

Prep Method: N/A
Analyzed By: TP
Prepared By: TP
Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48479 - MW-24

Analysis: BTEX
QC Batch: 14211
Prep Batch: 12558

Analytical Method: S 8021B
Date Analyzed: 2004-11-22
Date Prepared: 2004-11-22

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

¹¹Sample was reanalyzed due to possible carry over from the previous sample.

¹²Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	¹³	18.5	mg/L	100	0.00100
Toluene		<0.100	mg/L	100	0.00100
Ethylbenzene		0.352	mg/L	100	0.00100
Xylene		0.556	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		10.4	mg/L	100	0.100	104	72.9 - 121
4-Bromofluorobenzene (4-BFB)	¹⁴	7.18	mg/L	100	0.100	72	77.8 - 119

Sample: 48479 - MW-24

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14302	Date Analyzed:	2004-11-23	Analyzed By:	WB
Prep Batch:	12634	Date Prepared:	2004-11-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		269	mg/L	50	0.500

Sample: 48479 - MW-24

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14113	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		5.60	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48480 - MW-25

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14323	Date Analyzed:	2004-11-29	Analyzed By:	MT
Prep Batch:	12653	Date Prepared:	2004-11-29	Prepared By:	MT

¹³Sample was reanalyzed due to the benzene amount being over the curve.

¹⁴Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	¹⁵	2.12	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		0.249	mg/L	50	0.00100
Xylene		<0.0500	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		4.75	mg/L	50	0.100	95	72.9 - 121
4-Bromofluorobenzene (4-BFB)		4.99	mg/L	50	0.100	100	77.8 - 119

Sample: 48480 - MW-25

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 14302	Date Analyzed: 2004-11-23	Analyzed By: WB
Prep Batch: 12634	Date Prepared: 2004-11-23	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		3900	mg/L	500	0.500

Sample: 48480 - MW-25

Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 14113	Date Analyzed: 2004-11-19	Analyzed By: TP
Prep Batch: 12481	Date Prepared: 2004-11-18	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 14181	Date Analyzed: 2004-11-22	Analyzed By: RR
Prep Batch: 12458	Date Prepared: 2004-11-17	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.166	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48481 - MW-26

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 14211	Date Analyzed: 2004-11-22	Analyzed By: MT
Prep Batch: 12558	Date Prepared: 2004-11-22	Prepared By: MT

¹⁵RR due to benzene over curve.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	¹⁶	6.02	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		0.106	mg/L	50	0.00100
Xylene		<0.0500	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.05	mg/L	50	0.100	101	72.9 - 121
4-Bromofluorobenzene (4-BFB)	¹⁷	3.34	mg/L	50	0.100	67	77.8 - 119

Sample: 48481 - MW-26

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14302	Date Analyzed:	2004-11-23	Analyzed By:	WB
Prep Batch:	12634	Date Prepared:	2004-11-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		690	mg/L	100	0.500

Sample: 48481 - MW-26

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14113	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		4.32	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48482 - MW-27

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14211	Date Analyzed:	2004-11-22	Analyzed By:	MT
Prep Batch:	12558	Date Prepared:	2004-11-22	Prepared By:	MT

¹⁶Sample was reanalyzed due to the benzene amount being over the curve.

¹⁷Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	¹⁸	14.1	mg/L	100	0.00100
Toluene		0.170	mg/L	100	0.00100
Ethylbenzene		0.397	mg/L	100	0.00100
Xylene		0.187	mg/L	100	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	¹⁹	12.4	mg/L	100	0.200	62	72.9 - 121
4-Bromofluorobenzene (4-BFB)	²⁰	19.2	mg/L	100	0.200	96	77.8 - 119

Sample: 48482 - MW-27

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14302	Date Analyzed:	2004-11-23	Analyzed By:	WB
Prep Batch:	12634	Date Prepared:	2004-11-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1070	mg/L	100	0.500

Sample: 48482 - MW-27

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14113	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.110	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		0.000520	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48483 - MW-29

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14091	Date Analyzed:	2004-11-17	Analyzed By:	MT
Prep Batch:	12465	Date Prepared:	2004-11-17	Prepared By:	MT

¹⁸Sample was reanalyzed to confirm the benzene amount.

¹⁹Changed spike amount from 0.1 to 0.2 due to prep. Sample was spiked with a double amount of surrogate. Low TFT surrogate recovery due to matrix interference. BFB surrogate recovery shows the method to be in control.

²⁰Changed spike amount from 0.1 to 0.2 due to prep. Sample was spiked with a double amount of surrogate.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		0.00120	mg/L	1	0.00100
Ethylbenzene		0.0683	mg/L	1	0.00100
Xylene		0.0502	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	²¹	0.148	mg/L	1	0.200	74	72.9 - 121
4-Bromofluorobenzene (4-BFB)	²²	0.189	mg/L	1	0.200	94	77.8 - 119

Sample: 48483 - MW-29

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14302	Date Analyzed:	2004-11-23	Analyzed By:	WB
Prep Batch:	12634	Date Prepared:	2004-11-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		369	mg/L	50	0.500

Sample: 48483 - MW-29

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14113	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.05	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48484 - MW-30

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14091	Date Analyzed:	2004-11-17	Analyzed By:	MT
Prep Batch:	12465	Date Prepared:	2004-11-17	Prepared By:	MT

²¹ Changed spike amount from 0.1 to 0.2 due to prep. 2x normal amount of surrogate was used.

²² Changed spike amount from 0.1 to 0.2 due to prep. 2x normal amount of surrogate was used.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00310	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)	²³	0.164	mg/L	1	0.200	82	72.9 - 121
4-Bromofluorobenzene (4-BFB)	²⁴	0.175	mg/L	1	0.200	88	77.8 - 119

Sample: 48484 - MW-30

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14303	Date Analyzed:	2004-11-23	Analyzed By:	WB
Prep Batch:	12635	Date Prepared:	2004-11-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		331	mg/L	50	0.500

Sample: 48484 - MW-30

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14113	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		6.55	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48485 - MW-31

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14211	Date Analyzed:	2004-11-22	Analyzed By:	MT
Prep Batch:	12558	Date Prepared:	2004-11-22	Prepared By:	MT

²³ Changed spike amount from 0.1 to 0.2 due to prep. 2x normal amount of surrogate was used.

²⁴ Changed spike amount from 0.1 to 0.2 due to prep. 2x normal amount of surrogate was used.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	25	0.367	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		0.0321	mg/L	10	0.00100
Xylene		<0.0100	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.04	mg/L	10	0.100	104	72.9 - 121
4-Bromofluorobenzene (4-BFB)	26	0.662	mg/L	10	0.100	66	77.8 - 119

Sample: 48485 - MW-31

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14303	Date Analyzed:	2004-11-23	Analyzed By:	WB
Prep Batch:	12635	Date Prepared:	2004-11-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		382	mg/L	50	0.500

Sample: 48485 - MW-31

Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14113	Date Analyzed:	2004-11-19	Analyzed By:	TP
Prep Batch:	12481	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		2.63	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48486 - MWD-3

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14211	Date Analyzed:	2004-11-22	Analyzed By:	MT
Prep Batch:	12558	Date Prepared:	2004-11-22	Prepared By:	MT

²⁵Sample was reanalyzed due to the benzene amount being over the curve.

²⁶Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	27	0.576	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		0.0492	mg/L	10	0.00100
Xylene		<0.0100	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.989	mg/L	10	0.100	99	72.9 - 121
4-Bromofluorobenzene (4-BFB)	28	0.682	mg/L	10	0.100	68	77.8 - 119

Sample: 48486 - MWD-3

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 14303	Date Analyzed: 2004-11-23	Analyzed By: WB
Prep Batch: 12635	Date Prepared: 2004-11-23	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		77600	mg/L	10000	0.500

Sample: 48486 - MWD-3

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 14181	Date Analyzed: 2004-11-22	Analyzed By: RR
Prep Batch: 12458	Date Prepared: 2004-11-17	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 14240	Date Analyzed: 2004-11-24	Analyzed By: TP
Prep Batch: 12581	Date Prepared: 2004-11-24	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.135	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48487 - MWD-4

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 14211	Date Analyzed: 2004-11-22	Analyzed By: MT
Prep Batch: 12558	Date Prepared: 2004-11-22	Prepared By: MT

²⁷Sample was reanalyzed due to the benzene amount being over the curve.

²⁸Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	²⁹	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.489	mg/L	5	0.100	98	72.9 - 121
4-Bromofluorobenzene (4-BFB)	³⁰	0.330	mg/L	5	0.100	66	77.8 - 119

Sample: 48487 - MWD-4

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 14303	Date Analyzed: 2004-11-23	Analyzed By: WB
Prep Batch: 12635	Date Prepared: 2004-11-23	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		344	mg/L	50	0.500

Sample: 48487 - MWD-4

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 14181	Date Analyzed: 2004-11-22	Analyzed By: RR
Prep Batch: 12458	Date Prepared: 2004-11-17	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 14239	Date Analyzed: 2004-11-24	Analyzed By: TP
Prep Batch: 12581	Date Prepared: 2004-11-24	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.944	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48488 - MWD-5

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 14102	Date Analyzed: 2004-11-18	Analyzed By: MT
Prep Batch: 12472	Date Prepared: 2004-11-18	Prepared By: MT

²⁹Sample was reanalyzed due to possible carry over from the previous sample.

³⁰Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		7.35	mg/L	200	0.00100
Toluene		1.93	mg/L	200	0.00100
Ethylbenzene		0.377	mg/L	200	0.00100
Xylene		0.434	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		19.1	mg/L	200	0.100	96	72.9 - 121
4-Bromofluorobenzene (4-BFB)	³¹	14.4	mg/L	200	0.100	72	77.8 - 119

Sample: 48488 - MWD-5

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 14303	Date Analyzed: 2004-11-23	Analyzed By: WB
Prep Batch: 12635	Date Prepared: 2004-11-23	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1350	mg/L	100	0.500

Sample: 48488 - MWD-5

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 14181	Date Analyzed: 2004-11-22	Analyzed By: RR
Prep Batch: 12458	Date Prepared: 2004-11-17	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 14239	Date Analyzed: 2004-11-24	Analyzed By: TP
Prep Batch: 12581	Date Prepared: 2004-11-24	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		4.06	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		0.000520	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48489 - MWD-6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 14102	Date Analyzed: 2004-11-18	Analyzed By: MT
Prep Batch: 12472	Date Prepared: 2004-11-18	Prepared By: MT

³¹ Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.121	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0164	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0802	mg/L	1	0.100	80	72.9 - 121
4-Bromofluorobenzene (4-BFB)	³²	0.0774	mg/L	1	0.100	77	77.8 - 119

Sample: 48489 - MWD-6

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14303	Date Analyzed:	2004-11-23	Analyzed By:	WB
Prep Batch:	12635	Date Prepared:	2004-11-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		824	mg/L	100	0.500

Sample: 48489 - MWD-6

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14239	Date Analyzed:	2004-11-24	Analyzed By:	TP
Prep Batch:	12581	Date Prepared:	2004-11-24	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.266	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48490 - MWD-9

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14102	Date Analyzed:	2004-11-18	Analyzed By:	MT
Prep Batch:	12472	Date Prepared:	2004-11-18	Prepared By:	MT

³²Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.0334	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.00510	mg/L	1	0.00100
Xylene		0.00220	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0940	mg/L	1	0.100	94	72.9 - 121
4-Bromofluorobenzene (4-BFB)		0.0912	mg/L	1	0.100	91	77.8 - 119

Sample: 48490 - MWD-9

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14303	Date Analyzed:	2004-11-23	Analyzed By:	WB
Prep Batch:	12635	Date Prepared:	2004-11-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		46400	mg/L	5000	0.500

Sample: 48490 - MWD-9

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14239	Date Analyzed:	2004-11-24	Analyzed By:	TP
Prep Batch:	12581	Date Prepared:	2004-11-24	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		0.000210	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48491 - MWD-10

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14211	Date Analyzed:	2004-11-22	Analyzed By:	MT
Prep Batch:	12558	Date Prepared:	2004-11-22	Prepared By:	MT

continued ...

sample 48491 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	33	0.875	mg/L	20	0.00100
Toluene		<0.0200	mg/L	20	0.00100
Ethylbenzene		0.259	mg/L	20	0.00100
Xylene		0.0320	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.00	mg/L	20	0.100	100	72.9 - 121
4-Bromofluorobenzene (4-BFB)		1.58	mg/L	20	0.100	79	77.8 - 119

Sample: 48491 - MWD-10

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14303	Date Analyzed:	2004-11-23	Analyzed By:	WB
Prep Batch:	12635	Date Prepared:	2004-11-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		7580	mg/L	1000	0.500

Sample: 48491 - MWD-10

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14181	Date Analyzed:	2004-11-22	Analyzed By:	RR
Prep Batch:	12458	Date Prepared:	2004-11-17	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14239	Date Analyzed:	2004-11-24	Analyzed By:	TP
Prep Batch:	12581	Date Prepared:	2004-11-24	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.899	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48492 - MWD-12

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
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³³Sample was reanalyzed due to the benzene amount being over the curve.

QC Batch: 14211
Prep Batch: 12558

Date Analyzed: 2004-11-22
Date Prepared: 2004-11-22

Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	³⁴	0.468	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		0.0139	mg/L	10	0.00100
Xylene		<0.0100	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.00	mg/L	10	0.100	100	72.9 - 121
4-Bromofluorobenzene (4-BFB)	³⁵	0.730	mg/L	10	0.100	73	77.8 - 119

Sample: 48492 - MWD-12

Analysis: Chloride (IC)
QC Batch: 14303
Prep Batch: 12635

Analytical Method: E 300.0
Date Analyzed: 2004-11-23
Date Prepared: 2004-11-23

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		6630	mg/L	500	0.500

Sample: 48492 - MWD-12

Analysis: Total 8 Metals
QC Batch: 14181
Prep Batch: 12458
Analysis: Total 8 Metals
QC Batch: 14239
Prep Batch: 12581

Analytical Method: S 6010B
Date Analyzed: 2004-11-22
Date Prepared: 2004-11-17
Analytical Method: S 7470A
Date Analyzed: 2004-11-24
Date Prepared: 2004-11-24

Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP
Prep Method: N/A
Analyzed By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.457	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48493 - MWD-13

Analysis: BTEX
QC Batch: 14211

Analytical Method: S 8021B
Date Analyzed: 2004-11-22

Prep Method: S 5030B
Analyzed By: MT

³⁴Sample was reanalyzed due to the benzene amount being over the curve.

³⁵Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Prep Batch: 12558

Date Prepared: 2004-11-22

Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	³⁶	<0.00500	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		<0.00500	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.496	mg/L	5	0.100	99	72.9 - 121
4-Bromofluorobenzene (4-BFB)	³⁷	0.328	mg/L	5	0.100	66	77.8 - 119

Sample: 48493 - MWD-13

Analysis: Chloride (IC)
QC Batch: 14303
Prep Batch: 12635

Analytical Method: E 300.0
Date Analyzed: 2004-11-23
Date Prepared: 2004-11-23

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		29200	mg/L	1000	0.500

Sample: 48493 - MWD-13

Analysis: Total 8 Metals
QC Batch: 14118
Prep Batch: 12475
Analysis: Total 8 Metals
QC Batch: 14240
Prep Batch: 12581

Analytical Method: S 6010B
Date Analyzed: 2004-11-19
Date Prepared: 2004-11-18
Analytical Method: S 7470A
Date Analyzed: 2004-11-24
Date Prepared: 2004-11-24

Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP
Prep Method: N/A
Analyzed By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		<0.100	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48494 - MWD-14

Analysis: BTEX
QC Batch: 14211
Prep Batch: 12558

Analytical Method: S 8021B
Date Analyzed: 2004-11-22
Date Prepared: 2004-11-22

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

³⁶Sample was reanalyzed due to possible carry over from the previous sample.

³⁷Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	38	1.61	mg/L	20	0.00100
Toluene		0.0309	mg/L	20	0.00100
Ethylbenzene		0.0449	mg/L	20	0.00100
Xylene		<0.0200	mg/L	20	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		2.02	mg/L	20	0.100	101	72.9 - 121
4-Bromofluorobenzene (4-BFB)	39	1.45	mg/L	20	0.100	72	77.8 - 119

Sample: 48494 - MWD-14

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 14305	Date Analyzed: 2004-11-23	Analyzed By: WB
Prep Batch: 12636	Date Prepared: 2004-11-23	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		18400	mg/L	1000	0.500

Sample: 48494 - MWD-14

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 14118	Date Analyzed: 2004-11-19	Analyzed By: RR
Prep Batch: 12475	Date Prepared: 2004-11-18	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 14240	Date Analyzed: 2004-11-24	Analyzed By: TP
Prep Batch: 12581	Date Prepared: 2004-11-24	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.173	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48495 - MWD-15

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 14211	Date Analyzed: 2004-11-22	Analyzed By: MT
Prep Batch: 12558	Date Prepared: 2004-11-22	Prepared By: MT

³⁸Sample was reanalyzed due to the benzene amount being over the curve.

³⁹Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		0.314	mg/L	10	0.00100
Toluene		0.0117	mg/L	10	0.00100
Ethylbenzene		0.753	mg/L	10	0.00100
Xylene		0.602	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.999	mg/L	10	0.100	100	72.9 - 121
4-Bromofluorobenzene (4-BFB)		1.04	mg/L	10	0.100	104	77.8 - 119

Sample: 48495 - MWD-15

Analysis:	Chloride (IC)	Analytical Method:	E 300.0	Prep Method:	N/A
QC Batch:	14305	Date Analyzed:	2004-11-23	Analyzed By:	WB
Prep Batch:	12636	Date Prepared:	2004-11-23	Prepared By:	WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		42800	mg/L	500	0.500

Sample: 48495 - MWD-15

Analysis:	Total 8 Metals	Analytical Method:	S 6010B	Prep Method:	S 3010A
QC Batch:	14118	Date Analyzed:	2004-11-19	Analyzed By:	RR
Prep Batch:	12475	Date Prepared:	2004-11-18	Prepared By:	TP
Analysis:	Total 8 Metals	Analytical Method:	S 7470A	Prep Method:	N/A
QC Batch:	14240	Date Analyzed:	2004-11-24	Analyzed By:	TP
Prep Batch:	12581	Date Prepared:	2004-11-24	Prepared By:	TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.186	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48496 - MWD-16

Analysis:	BTEX	Analytical Method:	S 8021B	Prep Method:	S 5030B
QC Batch:	14211	Date Analyzed:	2004-11-22	Analyzed By:	MT
Prep Batch:	12558	Date Prepared:	2004-11-22	Prepared By:	MT

continued ...

sample 48496 continued...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	⁴⁰	0.491	mg/L	10	0.00100
Toluene		<0.0100	mg/L	10	0.00100
Ethylbenzene		0.0714	mg/L	10	0.00100
Xylene		0.0278	mg/L	10	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		1.06	mg/L	10	0.100	106	72.9 - 121
4-Bromofluorobenzene (4-BFB)		1.09	mg/L	10	0.100	109	77.8 - 119

Sample: 48496 - MWD-16

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 14305	Date Analyzed: 2004-11-23	Analyzed By: WB
Prep Batch: 12636	Date Prepared: 2004-11-23	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		15300	mg/L	500	0.500

Sample: 48496 - MWD-16

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 14118	Date Analyzed: 2004-11-19	Analyzed By: RR
Prep Batch: 12475	Date Prepared: 2004-11-18	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 14240	Date Analyzed: 2004-11-24	Analyzed By: TP
Prep Batch: 12581	Date Prepared: 2004-11-24	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.337	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48497 - MWD-17

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
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⁴⁰ Sample was reanalyzed to confirm the benzene amount.

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QC Batch: 14211
Prep Batch: 12558

Date Analyzed: 2004-11-22
Date Prepared: 2004-11-22

Analyzed By: MT
Prepared By: MT

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	41	3.11	mg/L	50	0.00100
Toluene		<0.0500	mg/L	50	0.00100
Ethylbenzene		<0.0500	mg/L	50	0.00100
Xylene		<0.0500	mg/L	50	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		5.04	mg/L	50	0.100	101	72.9 - 121
4-Bromofluorobenzene (4-BFB)	42	3.36	mg/L	50	0.100	67	77.8 - 119

Sample: 48497 - MWD-17

Analysis: Chloride (IC)
QC Batch: 14305
Prep Batch: 12636

Analytical Method: E 300.0
Date Analyzed: 2004-11-23
Date Prepared: 2004-11-23

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		8880	mg/L	5000	0.500

Sample: 48497 - MWD-17

Analysis: Total 8 Metals
QC Batch: 14118
Prep Batch: 12475
Analysis: Total 8 Metals
QC Batch: 14240
Prep Batch: 12581

Analytical Method: S 6010B
Date Analyzed: 2004-11-19
Date Prepared: 2004-11-18
Analytical Method: S 7470A
Date Analyzed: 2004-11-24
Date Prepared: 2004-11-24

Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP
Prep Method: N/A
Analyzed By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		0.248	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48498 - TMW-1

Analysis: BTEX
QC Batch: 14216

Analytical Method: S 8021B
Date Analyzed: 2004-11-22

Prep Method: S 5030B
Analyzed By: MS

⁴¹Sample was reanalyzed due to the benzene amount being over the curve.

⁴²Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Prep Batch: 12559

Date Prepared: 2004-11-22

Prepared By: MS

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene	43	0.0102	mg/L	5	0.00100
Toluene		<0.00500	mg/L	5	0.00100
Ethylbenzene		<0.00500	mg/L	5	0.00100
Xylene		0.0139	mg/L	5	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.497	mg/L	5	0.100	99	74.7 - 112
4-Bromofluorobenzene (4-BFB)		0.437	mg/L	5	0.100	87	69.4 - 111

Sample: 48498 - TMW-1

Analysis: Chloride (IC)
QC Batch: 14305
Prep Batch: 12636

Analytical Method: E 300.0
Date Analyzed: 2004-11-23
Date Prepared: 2004-11-23

Prep Method: N/A
Analyzed By: WB
Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		1010	mg/L	100	0.500

Sample: 48498 - TMW-1

Analysis: Total 8 Metals
QC Batch: 14118
Prep Batch: 12475
Analysis: Total 8 Metals
QC Batch: 14240
Prep Batch: 12581

Analytical Method: S 6010B
Date Analyzed: 2004-11-19
Date Prepared: 2004-11-18
Analytical Method: S 7470A
Date Analyzed: 2004-11-24
Date Prepared: 2004-11-24

Prep Method: S 3010A
Analyzed By: RR
Prepared By: TP
Prep Method: N/A
Analyzed By: TP
Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		1.19	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48499 - TMW-3

Analysis: BTEX
QC Batch: 14102
Prep Batch: 12472

Analytical Method: S 8021B
Date Analyzed: 2004-11-18
Date Prepared: 2004-11-18

Prep Method: S 5030B
Analyzed By: MT
Prepared By: MT

⁴³ Sample was reanalyzed due to possible carry over from the previous sample.

Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		<0.00100	mg/L	1	0.00100
Toluene		<0.00100	mg/L	1	0.00100
Ethylbenzene		0.0181	mg/L	1	0.00100
Xylene		<0.00100	mg/L	1	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0746	mg/L	1	0.100	75	72.9 - 121
4-Bromofluorobenzene (4-BFB)		0.0855	mg/L	1	0.100	86	77.8 - 119

Sample: 48499 - TMW-3

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 14305	Date Analyzed: 2004-11-23	Analyzed By: WB
Prep Batch: 12636	Date Prepared: 2004-11-23	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		605	mg/L	1	0.500

Sample: 48499 - TMW-3

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 14118	Date Analyzed: 2004-11-19	Analyzed By: RR
Prep Batch: 12475	Date Prepared: 2004-11-18	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 14240	Date Analyzed: 2004-11-24	Analyzed By: TP
Prep Batch: 12581	Date Prepared: 2004-11-24	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		<0.0100	mg/L	1	0.0100
Total Barium		2.33	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Sample: 48500 - TMW-6

Analysis: BTEX	Analytical Method: S 8021B	Prep Method: S 5030B
QC Batch: 14102	Date Analyzed: 2004-11-18	Analyzed By: MT
Prep Batch: 12472	Date Prepared: 2004-11-18	Prepared By: MT

continued...

sample 48500 continued ...

Parameter	Flag	RL Result	Units	Dilution	RL
Parameter	Flag	RL Result	Units	Dilution	RL
Benzene		4.17	mg/L	200	0.00100
Toluene		<0.200	mg/L	200	0.00100
Ethylbenzene		0.621	mg/L	200	0.00100
Xylene		0.384	mg/L	200	0.00100

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		19.3	mg/L	200	0.100	96	72.9 - 121
4-Bromofluorobenzene (4-BFB)	⁴⁴	13.4	mg/L	200	0.100	67	77.8 - 119

Sample: 48500 - TMW-6

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 14305	Date Analyzed: 2004-11-23	Analyzed By: WB
Prep Batch: 12636	Date Prepared: 2004-11-23	Prepared By: WB

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		417	mg/L	50	0.500

Sample: 48500 - TMW-6

Analysis: Total 8 Metals	Analytical Method: S 6010B	Prep Method: S 3010A
QC Batch: 14118	Date Analyzed: 2004-11-19	Analyzed By: RR
Prep Batch: 12475	Date Prepared: 2004-11-18	Prepared By: TP
Analysis: Total 8 Metals	Analytical Method: S 7470A	Prep Method: N/A
QC Batch: 14240	Date Analyzed: 2004-11-24	Analyzed By: TP
Prep Batch: 12581	Date Prepared: 2004-11-24	Prepared By: TP

Parameter	Flag	RL Result	Units	Dilution	RL
Total Silver		<0.0125	mg/L	1	0.0125
Total Arsenic		0.124	mg/L	1	0.0100
Total Barium		1.45	mg/L	1	0.100
Total Cadmium		<0.00500	mg/L	1	0.00500
Total Chromium		<0.0100	mg/L	1	0.0100
Total Mercury		<0.000200	mg/L	1	0.000200
Total Lead		<0.0100	mg/L	1	0.0100
Total Selenium		<0.0500	mg/L	1	0.0500

Method Blank (1) QC Batch: 14076

⁴⁴Low BFB surrogate recovery due to matrix interference. TFT surrogate recovery shows the method to be in control.

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.102	mg/L	1	0.100	102	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0781	mg/L	1	0.100	78	52.4 - 113

Method Blank (1) QC Batch: 14091

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0945	mg/L	1	0.100	94	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0670	mg/L	1	0.100	67	52.4 - 113

Method Blank (1) QC Batch: 14102

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0928	mg/L	1	0.100	93	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0603	mg/L	1	0.100	60	52.4 - 113

Method Blank (1) QC Batch: 14112

Parameter	Flag	Result	Units	RL
Total Mercury		<0.000200	mg/L	0.0002

Method Blank (1) QC Batch: 14113

Parameter	Flag	Result	Units	RL
Total Mercury		<0.000200	mg/L	0.0002

Method Blank (1) QC Batch: 14118

Parameter	Flag	Result	Units	RL
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.01
Total Barium		<0.100	mg/L	0.1
Total Cadmium		<0.00500	mg/L	0.005
Total Chromium		<0.0100	mg/L	0.01
Total Lead		<0.0100	mg/L	0.01
Total Selenium		<0.0500	mg/L	0.05

Method Blank (1) QC Batch: 14181

Parameter	Flag	Result	Units	RL
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.01
Total Barium		<0.100	mg/L	0.1
Total Cadmium		<0.00500	mg/L	0.005
Total Chromium		<0.0100	mg/L	0.01
Total Lead		<0.0100	mg/L	0.01
Total Selenium		<0.0500	mg/L	0.05

Method Blank (1) QC Batch: 14199

Parameter	Flag	Result	Units	RL
Total Silver		<0.0125	mg/L	0.0125
Total Arsenic		<0.0100	mg/L	0.01
Total Barium		<0.100	mg/L	0.1
Total Cadmium		<0.00500	mg/L	0.005
Total Chromium		<0.0100	mg/L	0.01
Total Lead		<0.0100	mg/L	0.01
Total Selenium		<0.0500	mg/L	0.05

Method Blank (1) QC Batch: 14210

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0989	mg/L	1	0.100	99	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0686	mg/L	1	0.100	69	52.4 - 113

Method Blank (1) QC Batch: 14211

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0985	mg/L	1	0.100	98	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0641	mg/L	1	0.100	64	52.4 - 113

Method Blank (1) QC Batch: 14216

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0960	mg/L	1	0.100	96	75.1 - 112
4-Bromofluorobenzene (4-BFB)		0.0703	mg/L	1	0.100	70	49.1 - 106

Method Blank (1) QC Batch: 14223

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 14239

Parameter	Flag	Result	Units	RL
Total Mercury		<0.000200	mg/L	0.0002

Method Blank (1) QC Batch: 14240

Parameter	Flag	Result	Units	RL
Total Mercury		<0.000200	mg/L	0.0002

Method Blank (1) QC Batch: 14302

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 14303

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 14305

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Method Blank (1) QC Batch: 14323

Parameter	Flag	Result	Units	RL
Benzene		<0.00100	mg/L	0.001
Toluene		<0.00100	mg/L	0.001
Ethylbenzene		<0.00100	mg/L	0.001
Xylene		<0.00100	mg/L	0.001

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Trifluorotoluene (TFT)		0.0968	mg/L	1	0.100	97	73.8 - 121
4-Bromofluorobenzene (4-BFB)		0.0592	mg/L	1	0.100	59	52.4 - 113

Laboratory Control Spike (LCS-1) QC Batch: 14076

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0947	0.0898	mg/L	1	0.100	<0.000136	95	5	72.8 - 113	8.8
Toluene	0.0968	0.0938	mg/L	1	0.100	<0.000247	97	3	75.2 - 112	8.8
Ethylbenzene	0.0986	0.0956	mg/L	1	0.100	<0.000550	99	3	81 - 112	9.4
Xylene	0.320	0.311	mg/L	1	0.300	<0.00156	107	3	82.9 - 119	8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.102	0.101	mg/L	1	0.100	102	101	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.110	0.110	mg/L	1	0.100	110	110	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 14091

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0933	0.0953	mg/L	1	0.100	<0.000136	93	2	72.8 - 113	8.8
Toluene	0.0929	0.0925	mg/L	1	0.100	<0.000247	93	0	75.2 - 112	8.8
Ethylbenzene	0.0983	0.0999	mg/L	1	0.100	<0.000550	98	2	81 - 112	9.4
Xylene	0.323	0.328	mg/L	1	0.300	<0.00156	108	2	82.9 - 119	8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0929	0.0918	mg/L	1	0.100	93	92	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.0961	0.0953	mg/L	1	0.100	96	95	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 14102

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0923	0.0946	mg/L	1	0.100	<0.000136	92	2	72.8 - 113	8.8
Toluene	0.0928	0.0980	mg/L	1	0.100	<0.000247	93	5	75.2 - 112	8.8
Ethylbenzene	0.0979	0.104	mg/L	1	0.100	<0.000550	98	6	81 - 112	9.4
Xylene	0.319	0.339	mg/L	1	0.300	<0.00156	106	6	82.9 - 119	8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0939	0.0930	mg/L	1	0.100	94	93	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.0941	0.0942	mg/L	1	0.100	94	94	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 14112

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.00101	0.00108	mg/L	1	0.00100	<0.0000329	101	7	82 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14113

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.00101	0.00108	mg/L	1	0.00100	<0.0000329	101	7	82 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14118

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.122	0.121	mg/L	1	0.125	<0.000199	98	1	85 - 115	20
Total Arsenic	0.497	0.484	mg/L	1	0.500	<0.00860	99	3	85 - 115	20
Total Barium	0.975	0.967	mg/L	1	1.00	<0.000984	98	1	85 - 115	20
Total Cadmium	0.240	0.238	mg/L	1	0.250	<0.000577	96	1	85 - 115	20
Total Chromium	0.0970	0.0970	mg/L	1	0.100	<0.000437	97	0	85 - 115	20
Total Lead	0.496	0.495	mg/L	1	0.500	<0.00310	99	0	85 - 115	20
Total Selenium	0.463	0.458	mg/L	1	0.500	<0.00370	93	1	85 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14181

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.125	0.124	mg/L	1	0.125	<0.000199	100	1	85 - 115	20
Total Arsenic	0.513	0.508	mg/L	1	0.500	<0.00860	103	1	85 - 115	20
Total Barium	0.998	0.992	mg/L	1	1.00	<0.000984	100	1	85 - 115	20
Total Cadmium	0.249	0.248	mg/L	1	0.250	<0.000577	100	0	85 - 115	20
Total Chromium	0.101	0.101	mg/L	1	0.100	<0.000437	101	0	85 - 115	20
Total Lead	0.506	0.509	mg/L	1	0.500	<0.00310	101	0	85 - 115	20
Total Selenium	0.483	0.478	mg/L	1	0.500	<0.00370	97	1	85 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14199

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.120	0.120	mg/L	1	0.125	<0.000199	96	0	85 - 115	20
Total Arsenic	0.486	0.492	mg/L	1	0.500	<0.00860	97	1	85 - 115	20
Total Barium	0.961	0.957	mg/L	1	1.00	<0.000984	96	0	85 - 115	20
Total Cadmium	0.239	0.238	mg/L	1	0.250	<0.000577	96	0	85 - 115	20
Total Chromium	0.0980	0.0980	mg/L	1	0.100	<0.000437	98	0	85 - 115	20
Total Lead	0.490	0.489	mg/L	1	0.500	<0.00310	98	0	85 - 115	20
Total Selenium	0.457	0.450	mg/L	1	0.500	<0.00370	91	2	85 - 115	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14210

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0900	0.0914	mg/L	1	0.100	<0.000136	90	2	72.8 - 113	8.8
Toluene	0.0914	0.0938	mg/L	1	0.100	<0.000247	91	2	75.2 - 112	8.8
Ethylbenzene	0.0960	0.0974	mg/L	1	0.100	<0.000550	96	1	81 - 112	9.4
Xylene	0.311	0.317	mg/L	1	0.300	<0.00156	104	2	82.9 - 119	8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0989	0.0985	mg/L	1	0.100	99	98	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.106	0.104	mg/L	1	0.100	106	104	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 14211

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0913	0.0893	mg/L	1	0.100	<0.000136	91	2	72.8 - 113	8.8
Toluene	0.0934	0.0914	mg/L	1	0.100	<0.000247	93	2	75.2 - 112	8.8
Ethylbenzene	0.0965	0.0946	mg/L	1	0.100	<0.000550	96	2	81 - 112	9.4
Xylene	0.313	0.307	mg/L	1	0.300	<0.00156	104	2	82.9 - 119	8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0982	0.0970	mg/L	1	0.100	98	97	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.104	0.101	mg/L	1	0.100	104	101	77.8 - 119

Laboratory Control Spike (LCS-1) QC Batch: 14216

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0961	0.0990	mg/L	1	0.100	<0.000255	96	3	83.2 - 110	8.5
Toluene	0.0942	0.0978	mg/L	1	0.100	<0.000153	94	4	84.5 - 110	6
Ethylbenzene	0.0986	0.103	mg/L	1	0.100	<0.000226	99	4	82.8 - 111	6
Xylene	0.277	0.289	mg/L	1	0.300	<0.000531	92	4	82.3 - 113	6.4

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.102	0.0991	mg/L	1	0.100	102	99	74.7 - 112
4-Bromofluorobenzene (4-BFB)	0.0998	0.0940	mg/L	1	0.100	100	94	69.4 - 111

Laboratory Control Spike (LCS-1) QC Batch: 14223

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	11.4	11.4	mg/L	1	12.5	<0.337	91	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14239

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.000950	0.00102	mg/L	1	0.00100	<0.0000329	95	7	82 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14240

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.000950	0.00102	mg/L	1	0.00100	<0.0000329	95	7	82 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14302

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.1	12.0	mg/L	1	12.5	<0.337	97	1	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14303

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.2	12.1	mg/L	1	12.5	<0.337	98	1	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14305

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	12.1	12.1	mg/L	1	12.5	<0.337	97	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spike (LCS-1) QC Batch: 14323

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Benzene	0.0840	0.0847	mg/L	1	0.100	<0.000136	84	1	72.8 - 113	8.8
Toluene	0.0890	0.0900	mg/L	1	0.100	<0.000247	89	1	75.2 - 112	8.8
Ethylbenzene	0.0906	0.0912	mg/L	1	0.100	<0.000550	91	1	81 - 112	9.4
Xylene	0.295	0.297	mg/L	1	0.300	<0.00156	98	1	82.9 - 119	8

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dil.	Spike Amount	LCS Rec.	LCSD Rec.	Rec. Limit
Trifluorotoluene (TFT)	0.0933	0.0943	mg/L	1	0.100	93	94	72.9 - 121
4-Bromofluorobenzene (4-BFB)	0.102	0.102	mg/L	1	0.100	102	102	77.8 - 119

Matrix Spike (MS-1) QC Batch: 14112 Spiked Sample: 48393

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	0.00117	0.00104	mg/L	1	0.00100	0.00021	96	12	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 14113 Spiked Sample: 48476

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury ⁴⁵	0.000870	0.000830	mg/L	1	0.00100	7e-05	80	5	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 14118 Spiked Sample:

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.128	0.123	mg/L	1	0.125	<0.000199	102	4	75 - 125	20
Total Arsenic	0.449	0.439	mg/L	1	0.500	<0.00860	90	2	75 - 125	20
Total Barium	0.858	0.827	mg/L	1	1.00	0.053	80	4	75 - 125	20
Total Cadmium	0.194	0.193	mg/L	1	0.250	<0.000577	78	0	75 - 125	20
Total Chromium	0.0790	0.0790	mg/L	1	0.100	<0.000437	79	0	75 - 125	20
Total Lead	0.412	0.395	mg/L	1	0.500	<0.00310	82	4	75 - 125	20
Total Selenium	0.440	0.432	mg/L	1	0.500	<0.00370	88	2	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 14181 Spiked Sample:

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.136	0.132	mg/L	1	0.125	<0.000199	109	3	75 - 125	20
Total Arsenic	0.548	0.536	mg/L	1	0.500	<0.00860	110	2	75 - 125	20
Total Barium	1.03	1.00	mg/L	1	1.00	0.067	96	3	75 - 125	20
Total Cadmium	0.241	0.235	mg/L	1	0.250	<0.000577	96	2	75 - 125	20
Total Chromium	0.272	0.267	mg/L	1	0.100	0.167	105	2	75 - 125	20
Total Lead	0.492	0.484	mg/L	1	0.500	<0.00310	98	2	75 - 125	20
Total Selenium	0.553	0.539	mg/L	1	0.500	<0.00370	111	2	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-2) QC Batch: 14181 Spiked Sample:

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.131	0.130	mg/L	1	0.125	<0.000199	105	1	75 - 125	20
Total Arsenic	0.546	0.533	mg/L	1	0.500	<0.00860	109	2	75 - 125	20
Total Barium	3.64	3.60	mg/L	1	1.00	2.63	101	1	75 - 125	20
Total Cadmium	0.248	0.245	mg/L	1	0.250	<0.000577	99	1	75 - 125	20
Total Chromium	0.101	0.0990	mg/L	1	0.100	<0.000437	101	2	75 - 125	20

continued...

⁴⁵Due to matrix effect, no matrix spike recovery, LCS / LCSD shows process under control.

matrix spikes continued...

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Lead	0.504	0.497	mg/L	1	0.500	<0.00310	101	1	75 - 125	20
Total Selenium	0.516	0.505	mg/L	1	0.500	<0.00370	103	2	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 14199 Spiked Sample:

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Silver	0.128	0.132	mg/L	1	0.125	<0.000199	102	3	75 - 125	20
Total Arsenic	0.465	0.485	mg/L	1	0.500	<0.00860	93	4	75 - 125	20
Total Barium	0.881	0.906	mg/L	1	1.00	0.055	83	3	75 - 125	20
Total Cadmium	0.208	0.213	mg/L	1	0.250	<0.000577	83	2	75 - 125	20
Total Chromium	0.0840	0.0860	mg/L	1	0.100	<0.000437	84	2	75 - 125	20
Total Lead	0.429	0.439	mg/L	1	0.500	<0.00310	86	2	75 - 125	20
Total Selenium	0.470	0.481	mg/L	1	0.500	<0.00370	94	2	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 14223 Spiked Sample: 48477

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	29200	29300	mg/L	1000	12.5	16900	98	0	84.7 - 100.6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 14239 Spiked Sample: 48492

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	⁴⁶⁴⁷ 0.000710	0.000740	mg/L	1	0.00100	<0.0000329	71	4	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 14240 Spiked Sample: 48486

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Total Mercury	⁴⁸⁴⁹ 0.000820	0.000780	mg/L	1	0.00100	6e-05	76	5	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 14302 Spiked Sample: 48640

⁴⁶No matrix spike recovery due to matrix effect, LCS/LCSD shows process under control.

⁴⁷No matrix spike recovery due to matrix effect, LCS/LCSD shows process under control.

⁴⁸No matrix spike recovery due to matrix effect, LCS/LCSD shows process under control.

⁴⁹No matrix spike recovery due to matrix effect, LCS/LCSD shows process under control.

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1640	1670	mg/L	100	12.5	487	92	2	84.7 - 100.6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 14303 Spiked Sample: 48493

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride ⁵⁰	30200	31300	mg/L	1000	12.5	29200	8	4	84.7 - 100.6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 14305 Spiked Sample: 48500

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	1020	1020	mg/L	50	12.5	417	96	0	84.7 - 100.6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 14076

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0941	94	85 - 115	2004-11-16
Toluene		mg/L	0.100	0.0990	99	85 - 115	2004-11-16
Ethylbenzene		mg/L	0.100	0.0997	100	85 - 115	2004-11-16
Xylene		mg/L	0.300	0.326	109	85 - 115	2004-11-16

Standard (CCV-1) QC Batch: 14076

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0989	99	85 - 115	2004-11-16
Toluene		mg/L	0.100	0.100	100	85 - 115	2004-11-16
Ethylbenzene		mg/L	0.100	0.0997	100	85 - 115	2004-11-16
Xylene		mg/L	0.300	0.328	109	85 - 115	2004-11-16

Standard (CCV-2) QC Batch: 14076

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0918	92	85 - 115	2004-11-16
Toluene		mg/L	0.100	0.0911	91	85 - 115	2004-11-16
Ethylbenzene		mg/L	0.100	0.0929	93	85 - 115	2004-11-16

continued...

⁵⁰Matrix spike difficulties

⁵¹Matrix spike difficulties.

standard continued . . .

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Xylene		mg/L	0.300	0.304	101	85 - 115	2004-11-16

Standard (CCV-1) QC Batch: 14091

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0933	93	85 - 115	2004-11-17
Toluene		mg/L	0.100	0.0923	92	85 - 115	2004-11-17
Ethylbenzene		mg/L	0.100	0.0987	99	85 - 115	2004-11-17
Xylene		mg/L	0.300	0.322	107	85 - 115	2004-11-17

Standard (CCV-2) QC Batch: 14091

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0950	95	85 - 115	2004-11-17
Toluene		mg/L	0.100	0.0955	96	85 - 115	2004-11-17
Ethylbenzene		mg/L	0.100	0.0985	98	85 - 115	2004-11-17
Xylene		mg/L	0.300	0.325	108	85 - 115	2004-11-17

Standard (ICV-1) QC Batch: 14102

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0916	92	85 - 115	2004-11-18
Toluene		mg/L	0.100	0.0937	94	85 - 115	2004-11-18
Ethylbenzene		mg/L	0.100	0.0993	99	85 - 115	2004-11-18
Xylene		mg/L	0.300	0.323	108	85 - 115	2004-11-18

Standard (CCV-1) QC Batch: 14102

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0908	91	85 - 115	2004-11-18
Toluene		mg/L	0.100	0.0902	90	85 - 115	2004-11-18
Ethylbenzene		mg/L	0.100	0.0959	96	85 - 115	2004-11-18
Xylene		mg/L	0.300	0.315	105	85 - 115	2004-11-18

Standard (CCV-2) QC Batch: 14102

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0931	93	85 - 115	2004-11-18
Toluene		mg/L	0.100	0.0902	90	85 - 115	2004-11-18
Ethylbenzene		mg/L	0.100	0.0963	96	85 - 115	2004-11-18
Xylene		mg/L	0.300	0.313	104	85 - 115	2004-11-18

Standard (ICV-1) QC Batch: 14112

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000980	98	80 - 120	2004-11-19

Standard (CCV-1) QC Batch: 14112

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00101	101	80 - 120	2004-11-19

Standard (ICV-1) QC Batch: 14113

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000980	98	80 - 120	2004-11-19

Standard (CCV-1) QC Batch: 14113

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00108	108	80 - 120	2004-11-19

Standard (ICV-1) QC Batch: 14118

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.123	98	90 - 110	2004-11-19
Total Arsenic		mg/L	1.00	1.00	100	90 - 110	2004-11-19
Total Barium		mg/L	1.00	0.989	99	90 - 110	2004-11-19
Total Cadmium		mg/L	1.00	0.988	99	90 - 110	2004-11-19
Total Chromium		mg/L	1.00	0.988	99	90 - 110	2004-11-19
Total Lead		mg/L	1.00	1.00	100	90 - 110	2004-11-19
Total Selenium		mg/L	1.00	1.00	100	90 - 110	2004-11-19

Standard (CCV-1) QC Batch: 14118

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.134	107	90 - 110	2004-11-19
Total Arsenic		mg/L	1.00	1.06	106	90 - 110	2004-11-19
Total Barium		mg/L	1.00	1.08	108	90 - 110	2004-11-19
Total Cadmium		mg/L	1.00	1.05	105	90 - 110	2004-11-19
Total Chromium		mg/L	1.00	1.06	106	90 - 110	2004-11-19
Total Lead		mg/L	1.00	1.05	105	90 - 110	2004-11-19
Total Selenium		mg/L	1.00	1.05	105	90 - 110	2004-11-19

Standard (ICV-1) QC Batch: 14181

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.123	98	90 - 110	2004-11-22
Total Arsenic		mg/L	1.00	0.993	99	90 - 110	2004-11-22
Total Barium		mg/L	1.00	0.988	99	90 - 110	2004-11-22
Total Cadmium		mg/L	1.00	0.989	99	90 - 110	2004-11-22
Total Chromium		mg/L	1.00	0.990	99	90 - 110	2004-11-22
Total Lead		mg/L	1.00	0.990	99	90 - 110	2004-11-22
Total Selenium		mg/L	1.00	0.986	99	90 - 110	2004-11-22

Standard (CCV-1) QC Batch: 14181

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.121	97	90 - 110	2004-11-22
Total Arsenic		mg/L	1.00	0.994	99	90 - 110	2004-11-22
Total Barium		mg/L	1.00	0.970	97	90 - 110	2004-11-22
Total Cadmium		mg/L	1.00	0.984	98	90 - 110	2004-11-22
Total Chromium		mg/L	1.00	0.982	98	90 - 110	2004-11-22
Total Lead		mg/L	1.00	0.989	99	90 - 110	2004-11-22
Total Selenium		mg/L	1.00	0.988	99	90 - 110	2004-11-22

Standard (CCV-2) QC Batch: 14181

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.122	98	90 - 110	2004-11-22
Total Arsenic		mg/L	1.00	0.991	99	90 - 110	2004-11-22
Total Barium		mg/L	1.00	0.965	96	90 - 110	2004-11-22
Total Cadmium		mg/L	1.00	0.992	99	90 - 110	2004-11-22
Total Chromium		mg/L	1.00	0.988	99	90 - 110	2004-11-22
Total Lead		mg/L	1.00	0.988	99	90 - 110	2004-11-22
Total Selenium		mg/L	1.00	0.992	99	90 - 110	2004-11-22

Standard (ICV-1) QC Batch: 14199

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.123	98	90 - 110	2004-11-23
Total Arsenic		mg/L	1.00	0.993	99	90 - 110	2004-11-23
Total Barium		mg/L	1.00	0.988	99	90 - 110	2004-11-23
Total Cadmium		mg/L	1.00	0.989	99	90 - 110	2004-11-23
Total Chromium		mg/L	1.00	0.990	99	90 - 110	2004-11-23
Total Lead		mg/L	1.00	0.990	99	90 - 110	2004-11-23
Total Selenium		mg/L	1.00	0.986	99	90 - 110	2004-11-23

Standard (CCV-1) QC Batch: 14199

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Silver		mg/L	0.125	0.128	102	90 - 110	2004-11-23
Total Arsenic		mg/L	1.00	1.02	102	90 - 110	2004-11-23
Total Barium		mg/L	1.00	1.03	103	90 - 110	2004-11-23
Total Cadmium		mg/L	1.00	1.03	103	90 - 110	2004-11-23
Total Chromium		mg/L	1.00	1.03	103	90 - 110	2004-11-23
Total Lead		mg/L	1.00	1.02	102	90 - 110	2004-11-23
Total Selenium		mg/L	1.00	1.02	102	90 - 110	2004-11-23

Standard (CCV-1) QC Batch: 14210

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0916	92	85 - 115	2004-11-22
Toluene		mg/L	0.100	0.0934	93	85 - 115	2004-11-22
Ethylbenzene		mg/L	0.100	0.0965	96	85 - 115	2004-11-22
Xylene		mg/L	0.300	0.314	105	85 - 115	2004-11-22

Standard (CCV-2) QC Batch: 14210

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0935	94	85 - 115	2004-11-22
Toluene		mg/L	0.100	0.0948	95	85 - 115	2004-11-22
Ethylbenzene		mg/L	0.100	0.0985	98	85 - 115	2004-11-22
Xylene		mg/L	0.300	0.319	106	85 - 115	2004-11-22

Standard (ICV-1) QC Batch: 14211

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0898	90	85 - 115	2004-11-22
Toluene		mg/L	0.100	0.0927	93	85 - 115	2004-11-22
Ethylbenzene		mg/L	0.100	0.0957	96	85 - 115	2004-11-22

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Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Xylene		mg/L	0.300	0.310	103	85 - 115	2004-11-22

Standard (CCV-1) QC Batch: 14211

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0920	92	85 - 115	2004-11-22
Toluene		mg/L	0.100	0.0925	92	85 - 115	2004-11-22
Ethylbenzene		mg/L	0.100	0.0974	97	85 - 115	2004-11-22
Xylene		mg/L	0.300	0.315	105	85 - 115	2004-11-22

Standard (CCV-2) QC Batch: 14211

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0984	98	85 - 115	2004-11-22
Toluene		mg/L	0.100	0.100	100	85 - 115	2004-11-22
Ethylbenzene		mg/L	0.100	0.103	103	85 - 115	2004-11-22
Xylene		mg/L	0.300	0.330	110	85 - 115	2004-11-22

Standard (ICV-1) QC Batch: 14216

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0961	96	85 - 115	2004-11-22
Toluene		mg/L	0.100	0.0944	94	85 - 115	2004-11-22
Ethylbenzene		mg/L	0.100	0.0986	99	85 - 115	2004-11-22
Xylene		mg/L	0.300	0.278	93	85 - 115	2004-11-22

Standard (CCV-1) QC Batch: 14216

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0973	97	85 - 115	2004-11-22
Toluene		mg/L	0.100	0.0953	95	85 - 115	2004-11-22
Ethylbenzene		mg/L	0.100	0.0990	99	85 - 115	2004-11-22
Xylene		mg/L	0.300	0.278	93	85 - 115	2004-11-22

Standard (ICV-1) QC Batch: 14223

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.2	90	90 - 110	2004-11-22

Standard (CCV-1) QC Batch: 14223

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.3	90	90 - 110	2004-11-22

Standard (ICV-1) QC Batch: 14239

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00105	105	80 - 120	2004-11-24

Standard (CCV-1) QC Batch: 14239

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00109	109	80 - 120	2004-11-24

Standard (ICV-1) QC Batch: 14240

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.00105	105	80 - 120	2004-11-24

Standard (CCV-1) QC Batch: 14240

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/L	0.00100	0.000970	97	80 - 120	2004-11-24

Standard (ICV-1) QC Batch: 14302

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	11.9	95	90 - 110	2004-11-23

Standard (CCV-1) QC Batch: 14302

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.1	97	90 - 110	2004-11-23

Standard (ICV-1) QC Batch: 14303

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.0	96	90 - 110	2004-11-23

Standard (CCV-1) QC Batch: 14303

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.1	97	90 - 110	2004-11-23

Standard (ICV-1) QC Batch: 14305

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.1	97	90 - 110	2004-11-23

Standard (CCV-1) QC Batch: 14305

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	12.2	98	90 - 110	2004-11-23

Standard (ICV-1) QC Batch: 14323

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0952	95	85 - 115	2004-11-29
Toluene		mg/L	0.100	0.0974	97	85 - 115	2004-11-29
Ethylbenzene		mg/L	0.100	0.0999	100	85 - 115	2004-11-29
Xylene		mg/L	0.300	0.325	108	85 - 115	2004-11-29

Standard (CCV-1) QC Batch: 14323

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Benzene		mg/L	0.100	0.0861	86	85 - 115	2004-11-29
Toluene		mg/L	0.100	0.0937	94	85 - 115	2004-11-29

continued...

Report Date: December 10, 2004
1982

Work Order: 4111505
Eunice #1 South Gas Plant

Page Number: 54 of 58
Lea Co. N.M.

standard continued...

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Ethylbenzene		mg/L	0.100	0.0930	93	85 - 115	2004-11-29
Xylene		mg/L	0.300	0.305	102	85 - 115	2004-11-29

4111505

Analysis Request and Chain of Custody Record									
HIGHLANDER ENVIRONMENTAL CORP.									
1910 N. Big Spring St. Midland, Texas 79705									
(432) 682-4559 Fax (432) 682-3946									
CLIENT NAME: Chevron Texaco		SITE MANAGER: Ike Taveriez		PRESERVATIVE METHOD					
PROJECT NO.: 1982		PROJECT NAME: Chevron Texaco / Eunice South Plant		NUMBER OF CONTAINERS					
LAB I.D. NUMBER		DATE		TIME		COM. MATRIX		SAMPLE IDENTIFICATION	
LAB I.D. NUMBER		DATE		TIME		COM. MATRIX		SAMPLE IDENTIFICATION	
28468	11/15/04	1:30	W	MW-4	4	Y	X	X	X
69	11/15/04	11:00	W	MW-6	4	Y	X	X	X
70	11/15/04	11:30	W	MW-7	4	Y	X	X	X
71	11/19/04	5:00	W	MW-9	4	Y	X	X	X
72	11/11/04	2:20	W	MW-10	4	Y	X	X	X
73	11/11/04	3:15	W	MW-11	4	Y	X	X	X
74	11/11/04	11:05	W	MW-15	4	Y	X	X	X
75	11/11/04	10:30	W	MW-16	4	Y	X	X	X
76	11/19/04	12:00	W	MW-19	4	Y	X	X	X
77	11/19/04	8:25	W	MW-22	4	Y	X	X	X
RELINQUISHED BY: (Signature)		Date: 11/12/04		Time: 1:00		Date: 11/12/04		Time: 3:00	
RELINQUISHED BY: (Signature)		Date: 11/14/04		Time: 1:00		Date: 11/15/04		Time: 4:54	
RELINQUISHED BY: (Signature)		Date: 11/15/04		Time: 1:00		Date: 11/15/04		Time: 4:54	
RECEIVING LABORATORY: Trace		DATE: 11/15/04		TIME: 1:00		DATE: 11/15/04		TIME: 4:54	
ADDRESS: Custer		STATE: TX		ZIP: 79705		DATE: 11/15/04		TIME: 4:54	
CONTACT: Custer		PHONE: (432) 682-4559		FAX: (432) 682-3946		DATE: 11/15/04		TIME: 4:54	
SAMPLE CONDITION WHEN RECEIVED:		DATE: 11/15/04		TIME: 4:54		DATE: 11/15/04		TIME: 4:54	
REMARKS: Need by Fri - 11/12/04		DATE: 11/15/04		TIME: 4:54		DATE: 11/15/04		TIME: 4:54	
HIGHLANDER CONTACT PERSON: Ike Taveriez		DATE: 11/15/04		TIME: 4:54		DATE: 11/15/04		TIME: 4:54	
FUSE CHARGE AUTHORIZED: Yes		DATE: 11/15/04		TIME: 4:54		DATE: 11/15/04		TIME: 4:54	

Please fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

40 samples NK

Please Fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

Please fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

[illegible]

Please fill out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy - Accounting receives Gold copy.

4111505

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559

Fax (432) 682-3946

CLIENT NAME: Chevron Texaco SITE MANAGER: Ike Tavaréz

PROJECT NO.: 1982
PROJECT NAME: Chevron Texaco / Ennice South Plant
SAMPLE IDENTIFICATION: Lea County, NM

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	NUMBER OF CONTAINERS	PRELIMINARY METHOD
							HCL HNO3 ICE NONE
48478	11/19/04	9:30	W			4	Y
79	11/19/04	4:00	W			4	Y
80	11/19/04	4:30	W			4	Y
81	11/11/04	1:45	W			4	Y
82	11/11/04	1:15	W			4	Y
83	11/18/04	2:00	W			4	Y
84	11/15/04	3:15	W			4	Y
85	11/18/04	1:00	W			4	Y
86	11/19/04	8:45	W			4	Y
87	11/15/04	12:15	W			4	Y

RELINQUISHED BY: (Signature) [Signature] Date: 11/22/04 Time: 11:20
RECEIVED BY: (Signature) [Signature] Date: 11/22/04 Time: 11:20
RELINQUISHED BY: (Signature) [Signature] Date: 11/14/04 Time: 11:00
RECEIVED BY: (Signature) [Signature] Date: 11/14/04 Time: 11:00
RELINQUISHED BY: (Signature) [Signature] Date: 11/14/04 Time: 11:00
RECEIVED BY: (Signature) [Signature] Date: 11/14/04 Time: 11:00
RECEIVING LABORATORY: Trace Metals DATE: 11/22/04
ADDRESS: 5100 STATE: TX ZIP:
CITY: Midland PHONE:

SAMPLE CONDITION WHEN RECEIVED: Trace Metals MATRIX: S-Sol A-Air S-Solids O-Other
DATE: 11/22/04 TIME: 11:20
REMARKS: Red by FBI - Nov. 24
HIGHLANDER CONTACT PERSON: Ike Tavaréz
RUSH CHARGES AUTHORIZED: Yes No

PAGE: 2 OF: 4
ANALYSIS REQUEST
(Circle or Specify Method No.)

GC/MS Vol. 8240/8260/824	GC/MS Semi. Vol. 8270/825	PCB's 8080/808	Post. 808/808	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)
TCIP Semi Volatiles	TCIP Semi Volatiles	TCIP Metals Ag As Ba Cd Cr Pb Hg Se	TCIP Metals Ag As Ba Cd Cr Pb Hg Se	TCIP Metals Ag As Ba Cd Cr Pb Hg Se	TCIP Metals Ag As Ba Cd Cr Pb Hg Se	TCIP Metals Ag As Ba Cd Cr Pb Hg Se
PAH 8270	TPH 418.1 8015 MOD. TX1005	MTBE 8020/802	BTEX 8020/802	PCRA Metals Ag As Ba Cd Cr Pb Hg Se	PCRA Metals Ag As Ba Cd Cr Pb Hg Se	PCRA Metals Ag As Ba Cd Cr Pb Hg Se

SAMPLED BY: (Print & Sign) Day Taylor Date: 11/22/04 Time: 3:00
SAMPLE SHIPPED BY: (Print & Sign) Day Taylor Date: 11/22/04 Time: 3:00
FEDERX AIRBILL # GLI 302267910
HAND DELIVERED YES OTHER: 42
HIGHLANDER CONTACT PERSON: Ike Tavaréz
RUSH CHARGES AUTHORIZED: Yes No

NK 40 samples

411-05

1910 N. Big Spring St.
Midland, Texas 79705

Fax (432) 682-3946

GER: The Tunes

NAME: Furice South Plant

Lea County 100M

[illegible]

RELINQUISHED BY: (Signature) <i>[Signature]</i>		Date: 11/12/04 Time: 1:00	RECEIVED BY: (Signature) <i>[Signature]</i>	Date: 11-12-04 Time: 1:00	SAMPLED BY: (Print & Sign) <i>Ng Taylor L. Jaraman (mr)</i>		Date: 11/12/04 Time: 3:00
RELINQUISHED BY: (Signature) <i>[Signature]</i>		Date: 11/14/04 Time: 1:00	RECEIVED BY: (Signature) <i>[Signature]</i>	Date: 11-15-04 Time: 9:54	SAMPLE SHIPPED BY: (Circle) <i>Greyhound</i>		3022679110
RELINQUISHED BY: (Signature) <i>[Signature]</i>		Date: _____ Time: _____	RECEIVED BY: (Signature) <i>[Signature]</i>	Date: _____ Time: _____	FEDER HAND DELIVERED		ARRIBET # _____ UPS _____ OTHER: _____
RECEIVING LABORATORY: <i>Trace Analytic</i>		RECEIVED BY: (Signature) _____			HIGHLANDER CONTACT PERSON: <i>Ike Tavariz</i>		
ADDRESS: _____ CITY: <i>Lubbock</i> STATE: <i>TX</i> ZIP: _____		DATE: _____ TIME: _____			RUSH CHARGES Authorized: _____ Yes _____ No _____		
CONTACT: _____ PHONE: _____		DATE: _____ TIME: _____			REMARKS: <i>Red by F-1 - Nov-26</i>		
SAMPLE CONDITION WHEN RECEIVED:		MATRIX: <i>Water</i> ☒ Water ☐ Soil ☐ Sludge ☐ Other		SD-Solid O-Other			

40 samples - 15

Lab Analysis

1/12/2005

Analytical and Quality Control Report

Gary Miller
Highlander Environmental Services
1910 N. Big Spring Street
Midland, TX 79705

Report Date: January 14, 2005

Work Order: 5011207

Client Name: Chevron Texaco
Project Location: Lea Co. N.M.
Project Name: Eunice #1 South Gas Plant
Project Number: 1982

Enclosed are the Analytical Report and Quality Control Report for the following sample(s) submitted to TraceAnalysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
52338	MWD-15	water	2005-01-11	12:05	2005-01-12
52339	MWD-17	water	2005-01-11	10:35	2005-01-12

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

This report consists of a total of 4 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.



Dr. Blair Leftwich, Director

Analytical Report

Sample: 52338 - MWD-15

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 15247	Date Analyzed: 2005-01-12	Analyzed By: RS
Prep Batch: 13452	Date Prepared: 2005-01-12	Prepared By: RS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		40900	mg/L	5000	0.500

Sample: 52339 - MWD-17

Analysis: Chloride (IC)	Analytical Method: E 300.0	Prep Method: N/A
QC Batch: 15247	Date Analyzed: 2005-01-12	Analyzed By: RS
Prep Batch: 13452	Date Prepared: 2005-01-12	Prepared By: RS

Parameter	Flag	RL Result	Units	Dilution	RL
Chloride		69300	mg/L	10000	0.500

Method Blank (I) QC Batch: 15247

Parameter	Flag	Result	Units	RL
Chloride		<0.500	mg/L	0.5

Laboratory Control Spike (LCS-1) QC Batch: 15247

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride	13.0	13.0	mg/L	1	12.5	<0.337	104	0	90 - 110	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Matrix Spike (MS-1) QC Batch: 15247 Spiked Sample: 52338

Param	MS Result	MSD Result	Units	Dil.	Spike Amount	Matrix Result	Rec.	RPD	Rec. Limit	RPD Limit
Chloride ¹²	106000	104000	mg/L	5000	12.5	40900	104	2	84.7 - 100.6	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Standard (ICV-1) QC Batch: 15247

¹Matrix %EA high due to high salt content. LCS spike recovery is within control limits.

²Matrix %EA high due to high salt content. LCS spike recovery is within control limits.

Report Date: January 14, 2005
1982

Work Order: 5011207
Eunice #1 South Gas Plant

Page Number: 3 of 4
Lea Co. N.M.

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.0	104	90 - 110	2005-01-12

Standard (CCV-1) QC Batch: 15247

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Chloride		mg/L	12.5	13.2	106	90 - 110	2005-01-12

Analysis Request and Chain of Custody Record

HIGHLANDER ENVIRONMENTAL CORP.
 1910 N. Big Spring St.
 Midland, Texas 79705

(432) 682-4559 Fax (432) 682-3946

CLIENT NAME: Chevron Texaco SITE MANAGER: Gary Miller

PROJECT NO.: 1982 PROJECT NAME: Chevron Texaco / Enbridge South Plant

LAB I.D. NUMBER DATE TIME MATRIX COMP GRAB SAMPLE IDENTIFICATION

52338	1-11-05	12:05	U	X	MWD - 15		
39	1-11-05	10:35	U	X	MWD - 17		

ANALYSIS REQUEST

(Circle or Specify Method No.)

TPH	418.1	8015 MOD.	TX1006
PAH	6270		
ECRA Metals	Ag As Ba Cd Cr Pb Hg Se		
TCF Metals	Ag As Ba Cd Cr Pb Hg Se		
TCF Volatiles			
TCF Semi Volatiles			
RCI			
GC/MS Vol.	8240/8260/824		
GC/MS Semi. Vol.	8270/825		
PCB's	8080/808		
Peat.	808/808		
BOD, TSS, pH, TDS	Chloride		
Gamma Spec			
Alpha Beta (Air)			
PLM (Asbestos)			

RECEIVED BY: [Signature] DATE: 01/11/05

RECEIVED BY: [Signature] DATE: 1-11-05

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RECEIVED BY: [Signature] DATE: 01/11/05

RECEIVED BY: [Signature] DATE: 1-11-05

RECEIVED BY: [Signature] DATE: 1-11-05

RECEIVING LABORATORY: Trace Analysis

ADDRESS: Labrad STATE: TX ZIP:

CITY: PHONE:

RECEIVED BY: [Signature] DATE: 01/11/05

RECEIVED BY: [Signature] DATE: 1-11-05

RECEIVED BY: [Signature] DATE: 1-11-05

SAMPLE CONDITION WHEN RECEIVED: 9/11/05

DATE: 1-11-05

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APPENDIX B

Operation & Maintenance Reports

Operation & Maintenance Reports

VAPOR EXTRACTION

ChevronTexaco
Eunice Soda Plant
O & M Field Report

West Site - VAC System

O&G/1980-O&M Data/WEST SITE VAC SYSTEM-MAINTENANCE

Date	Hour Meter	Flame Intensity	Operating Temp.		High Temp.		Shut Off		Dilution Air Flow	Total Air Oxidizer	Total Pressure	?P across Filter	Total Vacuum	Propane Pressure PSI	Propane Tank %
4/13/2004	2290	-	-	-	-	-	sp	sp	-	-	-	-	-	-	-
4/14/2004	2307	11	1430	1410	1450	1550			1.0 - 1.25	1.2 - 1.5	50	10	15 - 20	20	25
4/19/2004	2427	11	1440	1410	1446	1550			1.0 - 1.25	1.25 - 1.5	50	11	15 - 20	18	0
4/26/2004	2590	11	1434-65	1410	1434-65	1550			0.5 - 1.0	1.38 - 1.5	49 - 50	10	25 - 30	18	64
4/27/2004	2614	11	1463	1410	1475	1550			1.0 - 1.2	N/A	50	10	20	18	53
4/28/2004	2683	11	1448	1410	1447	1550			.75 - 1.0	N/A	50	10	20	18	48
4/29/2004	2641	11	1459	1410	1470	1550			.75 - 1.0	1.7	50(+)	10	20	18	80
5/3/2004	2762	11	1449	1410	1464	1550			.75 - 1.0	N/A	50(+)	10	20	18	60
5/10/2004	2926	11	1472	1410	1478	1550			.75 - 1.0	.25 - .75	50(+)	10	20	18	58
5/12/2004	2972	11	1431-64	1410	1467-38	1550			0.6 - 0.8	1.0 - 1.25	50(+)	10	20	18	75
5/24/2004	3095	11	1416	1410	1445	1550			0.5	0.8	50(+)	6	28	18	56
6/1/2004	3192	11	1408	1410	1428	1550			0.5 - 0.75	0.9	50(+)	9	29	18	76
6/7/2004	3366	11	1419	1410	1450	1550			.25 - .50	0.8	50(+)	9	30	18	53

Date	Comments
4/13/2004	Hour Meter start up - 2290
4/26/2004	Tank filled on 4/22/04 at 1200 used 164/day over weekend
	Total air oxidizer - on 0. Blow out lines and connected, pegged out for few seconds and fell back to 0. Manometer is 1.38 to 1.5 on this setting.
4/27/2004	Shut down to install telemetry equipment at 10:00. Propane delivered - 80% at 10:30; restart and adjust flow.
5/12/2004	Shut down unit due to burner problems after sampling.
6/1/2004	Shut down 5/28/04 at 6:00 pm - high temp shut down / adjust air dilution, got it running

ChevronTexaco
Eunice Sulfur Plant
O & M Field Report

West Site - VAC System

1980-Vapor Extraction

Date	Hour Meter	Flame Intensity	Operating Temp.		High Temp.		Shut Off		Dilution Air Flow	Total/Air Oxidizer	Total Pressure	?P across Filter	Total Vacuum	Propane Pressure PSI	Propane Tank %
			pv	sp	pv	sp	pv	sp							
6/9/2004	3384	11	1410	1410	1438	1550	1550	1550	1.0	2.0	17	14	30	18	85*
6/14/2004	3428	11	1410	1410	1438	1550	1550	1550	5.0	1.5	50+	11	25	18	60
6/15/2004	3445	11	1414	1410	1339	1550	1550	1550	0.1	1.4	50	11	45	18	52
6/17/2004	3456	11	1420	1410	1462	1550	1550	1550	0.1	1.0	50+	9	35	18	80
6/21/2004	3550	11	1456	1410	1472	1550	1550	1550	0.8	1.0	50+	9	35	18	54
6/28/2004	3717	11	1447	1410	1465	1550	1550	1550	0.7 - 0.6	0.8 - 1	50+	9	35	18	52
7/1/2004	3789	11	1452	1410	1465	1550	1550	1550	0.3	0.9	45	8	30	10	40
7/2/2004	3810	11	1457	1410	1456	1550	1550	1550	0.05	0.4	45	7	46.16	18	31
7/6/2004	NA	NA	NA	NA	NA	NA	NA	NA	0.05	1.0	50+	0	0	18	70
7/12/2004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8/19/2004	3904	11	1415	1410	1443	1550	1550	1550	0.25	1.0	29	8	15	12	7
8/20/2004	3923														81
8/23/2004	3994	11	1406	1410	1436	1550	1550	1550	0.1	1.0	29	8	20	12	305

* at 1640

Date	Comments
6/14/2004	Vacuum Temp: 250°
6/15/2004	Gas Differential: 0.1
7/6/2004	Blower leaking oil & making noise - shut down unit. Blower temp = 257.
7/12/2004	Shut down.
8/18/2004	Reinstalled blowers and ran NGP to unit - had problems on start up.
8/19/2004	Trouble shoot SVE, made repairs and got unit running. New meter read 7 cfm.
8/20/2004	Check SVE possible shut down, SVE running but problems with telemetry.

**ChevronTexaco
Eunice Solid Plant
O & M Field Report**

West Site - VAC System

1980-Vapor Extraction

Date	Hour Meter	Flame Intensity	Operating Temp.		High Temp. Shut Off		Dilution Air Flow	Total Air Oxidizer	Total Pressure	?P across Filter	Total Vacuum	NG Pressure PSI	NG Meter %
			pv	sp	pv	sp							
8/25/2004	4043	11	1410	1410	1438	1550	0.50	0.60	23	6	35	12	330
8/30/2004	4158	11	1411	1410	1435	1550	0.50	0.60	25	6	28.04	12	470
9/1/2004	4164	11	1410	1410	1441	1550	0.30	0.60	26	6	28.20	12	
9/21/2004	4174	11	1411	1410	1415	1550	0.80	0.95	40	9	26.49	12	507
9/23/2004	4177	11											
9/27/2004	4271	11	1412	1410	1398	1550	0.60	0.90	36	8	32.50	12	683
10/4/2004	4329	11	1410	1410	1412	1550	0.40	0.70	30	6	48.03	12	796
10/11/2004	4365	11	1408	1410	1405	1550	0.475	0.70	29	6	46.65	12	836
10/25/2004	4528	11	1409	1410	1396	1550	0.475	0.70	30	6	46.63	12	1008
11/1/2004	4696	11	1413	1410	1399	1550	0.475	0.70	30	6	47.08	12	1192
11/8/2004	4864	11	1413	1410	1400	1550	0.475	0.70	30	6	46.36	12	1392
11/15/2004	5034	11	1404	1410	1401	1550	0.40	0.70	8	1	10	12	1611

Date	Comments
8/25/2004	Replace flex line with PVC line.
9/1/2004	Restart SVE, shut down - power interruption.
9/6/2004	Unit down - coil in manual reset valve is melted.
9/21/2004	Coil replaced, unit running.
9/23/2004	Unit down - power problem, reset electrical, restart unit.
9/27/2004	Rewired compressor to SVE - checked voltage.
10/4/2004	Control fault. Reading to Velaro 796 - 7 (on meter at start) = 789 cubic ft. x 100 = 78.9 MCF
10/11/2004	Unit down - power interruption, restart unit, sample influent & effluent.
10/18/2004	Replaced coupling in blower - restart unit.
11/9/2004	Volume to Dynegy 1392 - 7 - 796 = 589 cubic ft. x 100 = 58.9 MCF
11/15/2004	Vacuum at unit down to 10, noted belt worn down, needs to be replaced - shut unit down

**ChevronTexaco
Eunice Sulfur Plant
O & M Field Report**

West Site - VAC System

1980-Vapor Extraction

Date	Hour Meter	Flame Intensity	Operating Temp.		High Temp.		Shut Off		Dilution Air Flow	Total Air Oxidizer	Total Pressure	?P across Filter	Total Vacuum	NG Pressure PSI	NG Meter %
			pv	sp	pv	sp	pv	sp							
11/16/2004	5034	11	1407	1410	1396	1550		1550	0.40	0.80	35	5	40	12	1611
11/22/2004	5041	11	1405	1410	1403	1550		1550	0.40	0.80	35	6	41.63	12	1621
11/24/2004	5045	11	1407	1410	1417	1550		1550	0.40	0.80	35	6	42.09	12	1630
11/29/2004	5166	11	1407	1410	1388	1550		1550	0.40	0.80	32	4	35	12	1809
12/6/2004	5332	11	1407	1410	1390	1550		1550	0.40	0.80	32	4	35	12	2060
12/13/2004	5505	11	1415	1410	1391	1550		1550	0.40	0.80	32	5	38.00	12	2318
12/20/2004	5669	Unit down - solenoid out													
12/28/2004	5669	11	1410	1410	1408	1550		1550	0.60	1.10	44	5	40	12	2576

Date	Comments
11/16/2004	Replaced belts - #3VX670 (did not locate 2 belts - used sprocket belts), Dixie Electric replaced belts and turned unit on.
11/22/2004	Replaced blown fuses. Put new transformer in main control panel. Greased blowers & electric motors.
11/24/2004	Unit down, reset electric circuits. Start unit, check vacuum on unit & wells.
12/3/2004	Volume to Dynegy 1809 - 7 - 1392 = 424 cubic ft. x 100 = 42.4 MCF
12/20/2004	Unit down - the solenoid (gas) is out, needs to be replaced. Power OFF until solenoid fixed.
12/28/2004	Restart unit.

Operation & Maintenance Reports

VAPOR EXTRACTION - SVE CONCENTRATIONS

O&G 1980 O&M Data - SVE CONCENTRATIONS

[illegible]

[illegible]

Operation & Maintenance Reports

**WEST SIDE PHASE SEPARATED HYDROCARBONS (PSH)
RECOVERY**

O & M Field Report WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: RW-2

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL			TANK		PUMP			PUMP ADJUSTED		CHECK AIR PRESSURE		CHANGE BOTTLE		COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	Yes	No	
12/3/2003	55.70	57.57	1.87		0	6		5		X	60	2200	X		
1/5/2004	55.87	56.70	0.83		0	6		5	X		60	1500		X	
1/12/2004	55.79	57.15	1.36	N/A	N/A	6		5		X	60	1100		X	Fitting loose on top of pump, pulled pump & tightened fitting; placed back in well.
1/21/2004	55.79	57.26	1.47		0	6		5			0	0			Changes bottle, 2000 psi.
1/27/2004	55.82	57.11	1.29	N/A	0						60	1500		X	
2/3/2004	55.81	57.26		N/A	0	6		5	X		60	800		X	Not pumping. Moved pump, pulled slack out of discharge & well started to pump - pumped off oil.
2/9/2004	55.87	57.23	1.36	N/A	0	6		5			60	700		X	Pump was off when we arrived.
2/16/2004	56.06	56.07	0.01	N/A	N/A	6		5		X	60	2200	X		
2/24/2004	56.03	56.06	0.03	N/A		6		5			70	1600		X	
3/1/2004	57.05	57.06	0.01	N/A		6		5		X	70	850		X	
3/10/2004	56.99	57.20	0.21	0	0	3		5	X		0	0	X		Pump out of air - not running.
3/16/2004	57.06	57.07	0.01	0	0	3		5		X	60	2000		X	
3/22/2004	57.00	57.09	0.09	0	0	3		5		X	60	1600		X	
3/29/2004	57.04	57.05	0.01	N/A	0	3		5		X	60	1300		X	
3/30/2004	57.03	57.07	0.04	N/A	0	1		3	X		60	1000		X	Talked to Xitech - trouble shooting for pump
4/5/2004	56.96	57.31	0.35	N/A	0	1		5	X		60	1100		X	
4/13/2004	56.92	57.50	0.58	N/A	0	1		5			6	950		X	
4/19/2004	56.80	57.32	0.52	20	20	1		5		X	70	800		X	Fix leaks

O & M Field Report WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: RW-2

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL		TANK		PUMP			PUMP ADJUSTED		CHECK AIR PRESSURE		CHANGE BOTTLE		COMMENTS	
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	Yes		No
4/26/2004	56.73	56.93	0.20	0	0	3		3	X		70	80		X	
5/3/2004	56.71	57.14	0.57	0	0	3		3		X	70	500		X	
5/10/2004	56.75	57.12	0.65	0	0	3		5		X	70	2700	X		
5/17/2004	56.95	56.96	0.01	0	0	3		5		X	70	2200		X	
5/24/2004	56.23	58.10	1.87	34	0	3		5		X	60	1800		X	
6/1/2004	-	-	-	48	48	3		5		X	60	1500		X	
6/7/2004	-	-	-	16	0	3		5		X	70	1100		X	
6/14/2004	-	-	-	34	0	6		5	X		70	2700	X		
6/21/2004	-	-	-	80	0	6		5		X	70	800		X	
6/28/2004	-	-	-	120	0	6		5		X	70	2500	X		
7/6/2004	56.50	58.70	2.20	40	0	6		5		X	70	1800		X	
7/12/2004	56.60	58.69	2.09	40	0	6		5		X	60	1300		X	
7/19/2004	56.80	57.81	1.01	60	0	6		5		X	60	800		X	
7/26/2004	56.76	58.08	1.32	60	0	6		5			60	2200	X		
8/2/2004	N/A	-	-	60	0	1		5		X	60	2200		X	Pump down - restart
8/9/2004	56.75	56.75	0.00	60	0	3		5		X	60	2200		X	
8/16/2004	57.00	57.01	0.01	70	0	3		5		X	60	1900		X	
8/23/2004	56.60	57.97	1.37	80	80	3		5		X	60	1700		X	
8/30/2004	N/A	-	-	N/A	N/A	3		10	X		60	95		X	
9/6/2004	56.99	57.00	0.01	0	6	3		5	X		60	95		X	

O & M Field Report
WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: RW-2

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL			TANK		PUMP			PUMP		CHECK		CHANGE		COMMENTS	
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	ADJUSTED	YES	NO	AIR PRESSURE	BOTTLE	Yes		No
9/13/2004	56.98	57.03	0.05	20	0	3		5			X	60	95		X	
9/20/2004	N/A	N/A	-	34	0	3		5			X	60	95		X	
9/27/2004	N/A	N/A	-	46	0	3		5			X	60	95		X	
10/4/2004	N/A	N/A	-	60	0	3		5			X	60	95		X	
10/11/2004	N/A	N/A	-	74	0	3		5			X	60	95		X	
10/18/2004	56.59	56.73	-	80	0	3		5			X	60	95		X	
10/25/2004	55.85	58.68	-	80	0	3		5			X	60	95		X	
11/1/2004	55.76	58.53	-	108	108	6		5			X	60	95		X	
11/8/2004	N/A	N/A	-	50	-	6		5			X	60	95		X	
11/15/2004	N/A	N/A	-	80	-	6		5			X	60	95		X	
11/22/2004	56.20	56.95	0.75	108	108	6		5			X	60	95		X	
11/29/2004	N/A	N/A	-	0	0	6		5			X	60	95		X	
12/6/2004	N/A	N/A	-	27	0	6		5			X	60	95		X	
12/13/2004	N/A	N/A	-	50	0	6		5			X	60	95		X	
12/20/2004	N/A	N/A	-	60	0	6		5			X	60	95		X	
12/28/2004	N/A	N/A	-	60	0	6		5			X	60	95		X	Compressor down

Compressor down

Started back up.

O & M Field Report

WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: RW-3

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL		TANK		PUMP			PUMP ADJUSTED		CHECK AIR PRESSURE		CHANGE BOTTLE		COMMENTS		
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	Yes		No	
12/31/2003		56.26			0	3		5			X	60	750		X	
1/5/2004		56.22			0	3		5			X	60	500		X	
1/12/2004		56.22		N/A	N/A	3		5			X	60	100	X		Pump running.
1/21/2004		56.22		N/A	0	3		5			X	60	1750		X	Pump running.
1/27/2004		56.25		N/A	0	3		5			X	70	1400		X	Pump running.
2/3/2004		56.22		N/A	0	3		5			X	60	1100		X	
2/9/2004	0	56.23		N/A	0	3		5			X	60	900		X	
2/16/2004	0	56.24		N/A	0	1		5	X			60	700		X	
2/24/2004	0	56.22		N/A	0	1		5			X	60	550		X	
3/1/2004	0	57.32		N/A	0	1		5			X	60	500		X	
3/10/2004	0	57.26		N/A	0	1		5			X	70	300		X	
3/16/2004	0	57.27		N/A	0	0		5			X	0	0		X	No new bottle.
3/22/2004	0	57.29		N/A	0	1		5			X	60	2500	X		
3/29/2004	57.28	57.38	0.10	N/A	0	1		5			X	60	1700		X	
4/5/2004	57.25	57.36	0.11	N/A	0	1		5			X	70	2200		X	
4/13/2004	57.21	57.47	0.26	N/A	0	1		5			X	80	400		X	
4/19/2004	57.06	57.14	0.08	N/A	0	1		5			X	70	1400		X	Check bottle #
4/26/2004	57.02	57.15	0.13	N/A	0	1		5			X	70	2100			
5/3/2004	56.85	57.56		N/A	0	1		5			X	70	2000		X	
5/10/2004	56.84	57.43		N/A	0	3		3	X			70	1800		X	

O & M Field Report
WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: RW-3

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL			TANK		Cycles per day	PUMP			PUMP ADJUSTED		CHECK AIR PRESSURE		CHANGE BOTTLE		COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)			Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	Yes	No	
5/17/2004	57.20	57.32	0.12	N/A	N/A	3		3			X	70	1700		X	
5/24/2004	56.64	57.33	0.69	N/A	N/A	3		3			X	70	1500		X	
6/1/2004	-	-	-	N/A	N/A	3		3			X	80	1300		X	
6/7/2004	-	-	-	N/A	N/A	3		3			X	80	1100		X	
6/14/2004	-	-	-	N/A	N/A	1		3			X	70	900		X	
6/21/2004	Pump shut down - need tank level switch															
6/28/2004	Pump shut down - need tank level switch															
7/6/2004	57.18	57.50	0.32	N/A	N/A	5		3			X	70	700		X	
7/12/2004	57.24	57.34	0.10	N/A	N/A	5		3			X	70	400		X	Pump not running - took probe
7/19/2004	57.21	57.35	0.14	N/A	N/A	3		3			X	70	500		X	
7/26/2004	57.25	57.43	0.18	N/A	N/A	1		5	X			60	400		X	Adjust cycles & discharge
8/2/2004	N/A	N/A	N/A	N/A	N/A	1		3			X	60	400		X	Pump shut-in - restart
8/9/2004	N/A	N/A	N/A	N/A	N/A	1		6			X	60	300		X	
8/16/2004	57.23	57.35	0.12	0	0	1		5			X	60	200		X	
8/23/2004	57.12	57.41	0.29	N/A	N/A	1		5			X	60	2400	X		
8/30/2004	N/A	N/A	N/A	N/A	N/A	1		5			X	60	95		X	
9/6/2004	57.24	57.36	0.12	0	0	1		5			X	60	95			
9/13/2004	57.19	57.48	0.29	0	0	1		5			X	60	95			
9/20/2004	N/A	N/A	N/A	0	0	1		5			X	60	95			
9/27/2004	N/A	N/A	N/A	0	0	1		5			X	60	95			

O & M Field Report WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#:

RW-3

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL			TANK		PUMP			PUMP ADJUSTED		CHECK PRESSURE		CHANGE BOTTLE		COMMENTS	
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	Yes	No		
10/4/2004	N/A	N/A	N/A	0	0	1		5			X	60	95		X	
10/11/2004	N/A	N/A	N/A	0	0	1		5			X	60	95		X	
10/18/2004	56.55	56.76	0.21	0	0	1		5			X	60	95		X	
10/25/2004	56.51	57.08	0.57	0	0	1		5			X	60	95		X	
11/1/2004	56.12	57.20	1.08	30	0	1		3			X	60	95		X	
11/8/2004	N/A	N/A	N/A	30	0	1		5			X	60	95		X	
11/15/2004	N/A	N/A	N/A	30	0	1		5			X	60	95		X	
11/22/2004	N/A	56.60	-	37	0	1		5			X	60	95		X	
12/9/2004	N/A	N/A	N/A	34	0	1		5			X	60	95		X	
12/13/2004	N/A	N/A	N/A	40	0	1		5			X	60	95		X	
12/20/2004	N/A	N/A	N/A	40	0	1		5			X	60	95		X	Compressor down
12/28/2004	N/A	N/A	N/A	40	0	1		5			X	60	95		X	Started backup

O & M Field Report
WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: RW-4

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL		PSH THICKNESS (ft.)	TANK		Cycles per day	PUMP			PUMP ADJUSTED		CHECK AIR PRESSURE		CHANGE BOTTLE		COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)		Oil (gallons)	Total Transferred (gallons)		Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	Yes	No		
1/12/2004	54.08	57.19	3.11	0	0											No pump.
1/16/2004	54.06	57.20	3.14	0	0	3			5	X		60	2500			Installed pump in RW.
1/21/2004	54.30	56.46	2.16	0	0	6			5		X	60	2000		X	
1/27/2004	54.58	55.61	1.03	48	0	6			10	X		60	1200		X	Pump running.
2/3/2004	54.20	57.00	2.80	96	0	6			5	X		60	2500	X		Got back discharge due to full tanks.
2/9/2004	54.15	57.00	2.85	120	120	6			10	X		60	1600		X	Drained tanks.
2/16/2004	54.74	55.24	0.50	70	0	6			10		X	60	2500	X		
2/24/2004	54.24	56.82	2.58	120	120	6			10		X	60	1500		X	Tank full - shut off on
3/1/2004	55.34	57.44	2.10	50	0	6			10			60	2500	X		
3/10/2004	55.19	57.86	2.67	120	120	6			10		X	60	1400		X	
3/16/2004	55.59	56.54	0.95	40	0	6			10		X	60	2500	X		
3/22/2004	55.74	56.10	0.36	90	90	6			10		X	60	1500		X	
3/29/2004	55.35	57.50	2.15	40		6			10		X	60	1900	X		
4/5/2004	55.85	55.86	0.01	120	120	6			10		X	60	1400		X	
4/13/2004	55.45	57.14	1.69	40	0	6			10		X	60	2500	X		
4/19/2004	54.90	57.08	2.18	110	110	6			10		X	60	1600		X	
4/26/2004	54.69	57.39	2.62	50	0	6			10		X	60	2700	X		New bottle
5/3/2004	54.62	57.22	2.60	120	120	6			10		X	70	1600		X	
5/10/2004	55.01	57.67	2.66	70	0	6			10		X	70	2700	X		
5/17/2004	55.40	59.37	1.35	120	120	6			10		X	70	1700		X	

O & M Field Report WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: RW-4

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL		TANK		PUMP			PUMP ADJUSTED		CHECK AIR PRESSURE		CHANGE BOTTLE		COMMENTS	
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	Yes		No
5/24/2004	54.29	59.37	5.08	20	N/A	6		10		X	70	500		X	
6/1/2004	N/A	N/A	N/A	25	0	6		10	X		60	2800			raised pump
6/7/2004	N/A	N/A	N/A	70	70	6		10		X	60	1900		X	
6/14/2004	N/A	N/A	N/A	70	70	6		10		X	60	600		X	cut back pump
6/21/2004	N/A	N/A	N/A	50	0	6		10		X	60	2300		X	Change bottle on 6/17/04
6/28/2004	N/A	N/A	N/A	120	120	6		10		X	60	1100		X	
7/6/2004	54.49	58.95	4.46	32	0	6		10	X		60	2300			
7/12/2004	55.24	57.84	2.60	32	0	6		10		X	60	1500		X	Pump not running - took probe from #3
7/19/2004	55.46	57.10	1.64	60	60	6		10		X	50	1500			
7/26/2004	55.46	56.91	1.45	N/A	N/A	6		10	X		60	700		X	Shut-down pump
8/2/2004	57.49	57.95	0.46	0	0	1		10		X	60	700		X	Restart pump
8/9/2004	N/A	N/A	N/A	30	0	3		10		X	60	2300	X		
8/16/2004	55.63	56.60	0.97	70	0	3		10		X	70	2100		X	
8/23/2004	55.06	58.36	3.30	90	90	3		10		X	70	2000		X	
8/30/2004	N/A	N/A	N/A	60	0	3		10		X	60	95		X	
9/6/2004	55.56	56.81	1.25	90	0	3		10		X	60	95		X	
9/13/2004	55.26	57.83	2.57	90	90	3		10		X	60	95		X	
9/20/2004	55.67	56.45	0.78	0	0	3		10		X	60	95		X	
9/27/2004	N/A	N/A	N/A	70	0	3		10		X	60	95		X	
10/4/2004	N/A	N/A	N/A	110	110	3		10		X	60	95		X	

O & M Field Report
WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: RW-4

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL		PSH THICKNESS (ft.)	TANK		PUMP			PUMP ADJUSTED		CHECK AIR PRESSURE		CHANGE BOTTLE		COMMENTS	
	PSH LEVEL (ft.)	WATER LEVEL (ft.)		Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	Yes	No		
10/11/2004	N/A	N/A	N/A	0	0	3		10			X	60	95		X	
10/18/2004	54.90	55.06	0.16	48	0	3		10			X	60	95		X	
10/25/2004	54.61	56.78	2.17	80	0	3		10			X	60	95		X	
11/1/2004	54.40	55.99	1.59	105	105	3		10			X	60	95		X	
11/8/2004	N/A	N/A	N/A	30	0	3		10			X	60	95		X	
11/15/2004	N/A	N/A	N/A	30	0	3		10			X	60	95		X	No oil
11/22/2004	55.04	55.05	0.01	70	0	3		10			X	60	95		X	
11/29/2004	N/A	N/A	N/A	70	0	3		10			X	60	95		X	
12/6/2004	N/A	N/A	N/A	104	104	3		10			X	60	95		X	
12/13/2004	N/A	N/A	N/A	0	0	3		10			X	60	95		X	
12/20/2004	N/A	N/A	N/A	32	0	3		10			X	60	95		X	
12/28/2004	N/A	N/A	N/A	48	0	3		10			X	60	95		X	

Chevron
Eunice South Gas Plant

O & M Field Report

WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#:

RW-5

O&G/1990 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL		PSH THICKNESS (ft.)	TANK		PUMP			PUMP		CHECK		CHANGE		COMMENTS	
	PSH LEVEL (ft.)	WATER LEVEL (ft.)		Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	ADJUSTED	YES	NO	AIR PRESSURE	BOTTLE	Yes		No
12/3/2003					0	3		5			X	65	900		X	
1/5/2004					0	3		5			X	60	600		X	
1/12/2004					0	3		5			X	60	0	X		2100 psi bottle
1/21/2004					32	3		5			X	60	1600		X	Pump running.
1/27/2004					44	6		5		X		60	1300		X	Pump running.
2/3/2004					54	6		5			X	60	600		X	
2/9/2004					60	6		5			X	60	2000	X		
2/16/2004					20	6		5			X	60	1500		X	
2/24/2004					30	6		5			X	60	800		X	Pump running.
3/1/2004					30	6		5			X	60	2000	X		Pump out of air.
3/10/2004					30	6		5			X	60	1300	X		
3/16/2004					15	6		5			X	60	700		X	
3/22/2004					19	6		5			X	60	750	X		
3/29/2004					40	6		5			X	60	1200	X		Pump running.
4/5/2004					40	3		5		X		60	1000		X	
4/6/2004	56.34	56.46	0.12													Pulled skimmer for W/L
4/13/2004					50	3		5			X	60	900		X	
4/19/2004	56.20	56.77	0.57		100	3		5			X	60	700		X	
4/26/2004					30	3		5			X	60	300	X		
5/3/2004					45	3		5			X	60	2500	X		

O & M Field Report WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: RW-5

O&G/1990 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL		TANK		PUMP			PUMP ADJUSTED		CHECK		CHANGE		COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	No	
5/10/2004	N/A	-	-	55	0	3		5			X	60	2100	X
5/17/2004	N/A	-	-	70	0	3		5			X	60	1800	X
5/24/2004	N/A	-	-	80	80	3		5			X	60	1500	X
6/1/2004	N/A	-	-	0	0	3		5			X	60	1100	X
6/7/2004	N/A	-	-	30	0	3		5			X	70	700	X
6/14/2004	N/A	-	-	40	0	3		5			X	70	500	X
6/21/2004	N/A	-	-	40	0	3		5			X	70	2300	X
6/28/2004	55.83	58.30	-	40	40	3		5	X			70	1500	Restart pump.
7/6/2004	N/A	N/A	-	0	0	3		5			X	70	800	X
7/12/2004	N/A	N/A	-	34	0	3		5			X	60	500	X
7/19/2004	N/A	N/A	-	38	0	3		5			X	60	2500	X
7/26/2004	N/A	N/A	-	38	0	3		3	X			60	1900	Adjust cycles & discharge- shut down pump
8/2/2004	N/A	N/A	N/A	38	0	1		3			X	60	1900	Restart pump.
8/9/2004	N/A	N/A	N/A	60	0	3		3			X	60	180	X
8/16/2004	N/A	N/A	N/A	60	0	3		3			X	60	1500	X
8/23/2004	N/A	N/A	N/A	70	70	3		3			X	60	1400	X
8/30/2004	N/A	N/A	N/A	30	0	3		5	X			60	95	X
9/6/2004	N/A	N/A	N/A	46	0	3		5			X	60	95	X
9/13/2004	N/A	N/A	N/A	50	0	3		3	X			60	95	X
9/20/2004	N/A	N/A	N/A	50	0	3		3			X	60	95	System down - tank full, shut-off switch down

O & M Field Report WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: RW-5

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL		TANK	PUMP			PUMP ADJUSTED		CHECK AIR PRESSURE		CHANGE BOTTLE		COMMENTS			
	PSH LEVEL (ft.)	WATER LEVEL (ft.)		PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	YES	NO	Pump		Bottle	Yes	No
9/27/2004	N/A	N/A	N/A	50	0	3		3			X	60	95		X	Replace shut-off switch - tank full
10/4/2004	N/A	N/A	N/A	60	0	3		3			X	60	95		X	
10/11/2004	N/A	N/A	N/A	66	0	3		3			X	60	95		X	
10/18/2004	N/A	N/A	N/A	76	0	3		3			X	60	95		X	
10/25/2004	N/A	N/A	N/A	80	0	3		3			X	60	95		X	
11/1/2004	N/A	N/A	N/A	80	80	3		3			X	60	95		X	
11/8/2004	N/A	N/A	N/A	10	0	3		3			X	60	95		X	
11/15/2004	N/A	N/A	N/A	10	0	3		3			X	90	95		X	
11/22/2004	N/A	N/A	N/A	15	0	3		3			X	60	95		X	
11/29/2004	N/A	N/A	N/A	15	0	3		3			X	60	95		X	
12/6/2004	N/A	N/A	N/A	15	0	3		3			X	60	95		X	
12/13/2004	N/A	N/A	N/A	15	0	3		3			X	60	95		X	
12/20/2004	N/A	N/A	N/A	15	0	3		3			X	60	95		X	
12/28/2004	N/A	N/A	N/A	15	0	3		3			X	60	95		X	

O & M Field Report

WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: MW-28

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL			TANK		PUMP			PUMP ADJUSTED		CHECK AIR PRESSURE		CHANGE BOTTLE		COMMENTS	
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	Yes	No		
12/31/2003	N/A	N/A	N/A	0	0	1		5		X		60	1500		X	
1/5/2004	N/A	N/A	N/A	0	0	1		5		X		60	1400		X	
1/12/2004	N/A	N/A	N/A	0	0	1		5		X		60	1250		X	Pump running.
1/21/2004	N/A	N/A	N/A	0	0	1		5		X		60	1100		X	Pump running.
1/27/2004	N/A	N/A	N/A	0	0	1		6		X		60	950		X	Pump running.
2/3/2004	N/A	N/A	N/A	0	0	1		5		X		60	700		X	Pump running.
2/9/2004	N/A	N/A	N/A	0	0	1		10		X		60	500		X	
2/16/2004	N/A	N/A	N/A	0	0	1		10		X		60	200		X	
2/24/2004	N/A	N/A	N/A	0	0	1		10		X		60	0	X		Pump running.
3/1/2004	N/A	N/A	N/A	0	0	1		10		X		60	2000		X	
3/10/2004	N/A	N/A	N/A	0	0	1		10		X		60	1700		X	Pump running.
3/16/2004	N/A	N/A	N/A	0	0	1		10		X		60	1500		X	
3/22/2004	N/A	N/A	N/A	0	0	1		10		X		60	1200		X	
3/29/2004	N/A	N/A	N/A	0	0	6		5	X			60	1100		X	
4/5/2004	N/A	N/A	N/A	0	0	1		5	X			60	700		X	
4/6/2004	54.89	56.42	1.53													Pulled pump for W/L
4/13/2004	N/A	N/A	N/A	0	0	1		10		X		60	600		X	
4/19/2004	55.06	55.23	0.17	30	0	1		10		X		60	300		X	
4/26/2004	N/A	N/A	N/A	40	0	3		5		X		60	2500	X		out of air
5/3/2004				50	0	3		3				50	2500		X	

O & M Field Report WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#: MW-28

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL			TANK		PUMP			PUMP ADJUSTED		CHECK AIR PRESSURE		CHANGE BOTTLE		COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	YES	NO	Pump	Bottle	Yes	No	
5/10/2004	N/A	N/A	N/A	60	0	3		5	X		50	2200		X	
5/17/2004	N/A	N/A	N/A	80	0	3		5		X	50	2000		X	
5/24/2004	N/A	N/A	N/A	100	100	3		5		X	50	1700		X	
6/1/2004	N/A	N/A	N/A	10	0	3		5		X	6	1400		X	
6/7/2004	N/A	N/A	N/A	30	0	3		5		X	6	1000		X	
6/14/2004	N/A	N/A	N/A	34	0	3		5		X	6	800		X	
6/21/2004	N/A	N/A	N/A	50	0	3		5		X	60	500		X	
6/28/2004	N/A	N/A	N/A	80	80	3		5		X	60	1800	X		
7/6/2004	N/A	N/A	N/A	0	0	3		5		X	60	1600		X	
7/12/2004	N/A	N/A	N/A	0	0	3		5		X	60	1600		X	
7/19/2004	N/A	N/A	N/A	0	0	3		6		X	60	1500		X	
7/26/2004	N/A	N/A	N/A	0	0	3		3	X		60	800		X	Adjust cycles & discharge
8/2/2004	N/A	N/A	N/A	0	0	3		3		X	60	800		X	Restart pump
8/9/2004	N/A	N/A	N/A	0	0	3		3		X	60	700		X	
8/16/2004	N/A	N/A	N/A	0	0	3		3		X	60	700		X	
8/23/2004	N/A	N/A	N/A	0	0	3		3		X	0	0	X		
8/30/2004	N/A	N/A	N/A	0	0	3		3		X	60	95		X	
9/6/2004	N/A	N/A	N/A	0	0	3		3		X	60	95		X	
9/13/2004	N/A	N/A	N/A	0	0	3		3		X	60	95		X	
9/20/2004	N/A	N/A	N/A	0	0	3		3		X	60	95		X	

O & M Field Report WEST SIDE PRODUCT RECOVERY PUMPS

WELL ID#:

MW-28

O&G/1980 - O&M Data/WEST SIDE PRODUCT RECOVERY - Cumm Tables

Date	RECOVERY WELL		TANK		PUMP			PUMP		CHECK		CHANGE		COMMENTS			
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Total Transferred (gallons)	Cycles per day	Fill (min.)	Discharge (min.)	ADJUSTED	YES	NO	PUMP	BOTTLE		Yes	No	
9/27/2004	N/A	N/A	N/A	0	0	3		3				X	60	95		X	
10/4/2004	N/A	N/A	N/A	120	120	3		3				X	60	95		X	
10/11/2004	N/A	N/A	N/A	24	0	3		3				X	60	95		X	
10/18/2004	N/A	N/A	N/A	24	0	3		3				X	60	95		X	
10/25/2004	N/A	N/A	N/A	24	0	3		3				X	60	95		X	
11/1/2004	N/A	N/A	N/A	30	0	3		3				X	60	95		X	
11/8/2004	N/A	N/A	N/A	30	0	3		3				X	60	95		X	
11/15/2004	N/A	N/A	N/A	30	0	3		3				X	60	95		X	
11/22/2004	N/A	N/A	N/A	30	0	3		3				X	60	95		X	
11/29/2004	N/A	N/A	N/A	30	0	3		3				X	60	95		X	
12/6/2004	N/A	N/A	N/A	32	0	3		3				X	60	95		X	
12/13/2004	N/A	N/A	N/A	32	0	3		3				X	60	95		X	
12/20/2004	N/A	N/A	N/A	32	0	3		3				X	60	95		X	
12/28/2004	N/A	N/A	N/A	42	0	3		3				X	60	95		X	

Operation & Maintenance Reports

WEST SIDE PSH RECOVERY - SVE CONCENTRATIONS

Chevron
Eunice South Plant
O & M Field Report

SVE CONCENTRATIONS

Well ID: RW-2

O&G 1980 O&M Data - SVE CONCENTRATIONS

Date	FIELD MEASUREMENTS						LAB ANALYSIS					
	Well Vacuum (inches H2O)	Applied Vacuum (inches H2O)	OVM (ppm)	O ₂	CO ₂	Well Sampled	O ₂	CO ₂	Benzene	Toluene	E Benzene	Xylenes
4/14/2004	6.8		200	5.4	4	Yes	3.6305	17.4821	0.0401	0.2694	0.0443	0.5894
4/19/2004	6.0	15.0				No						
4/26/2004	9.53	21.52				No						
5/3/2004	8.03	20				No						
5/10/2004	11.11	32.48				No						
5/12/2004						Yes	4.9347	15.3962	0.0254	0.1739	0.0286	0.3804
5/17/2004		SVE Unit shut down										
5/24/2004	15.85	28.93				No						
6/1/2004	15.58	26.46	-	-	-	No						
6/7/2004	15.20	24.00	-	-	-	No						
6/14/2004	15.02	24.41	-	-	-	No						
6/15/2004	13.18	33.00	-	-	-	No						
6/17/2004	15.03	26.96	-	-	-	No						
6/21/2004	13.80	23.77	-	-	-	No						
6/28/2004	17.10	32.42	-	-	-	No						
8/19/2004	7.04	14.63	-	-	-	No						
8/23/2004	7.95	16.30	-	-	-	No						
8/30/2004	12.64	25.55	-	-	-	No						
9/6/2004		SVU Unit down										
9/21/2004	11.65	24.15	-	-	-	No						

Well ID: RW-2

O&G 1980 O&M Data - SVE CONCENTRATIONS

[illegible]

Chevron
Eunice South Plant
O & M Field Report

SVE CONCENTRATIONS

Well ID: RW-3

O&G 1980 O&M Data - SVE CONCENTRATIONS

Date	FIELD MEASUREMENTS						LAB ANALYSIS					
	Well Vacuum (inches H2O)	Applied Vacuum (inches H2O)	OVm (ppm)	O ₂	CO ₂	Well Sampled	O ₂	CO ₂	Benzene	Toluene	E Benzene	Xylenes
4/14/2004	9.8		182	5.4	4	Yes	2.6658	17.2842	0.0246	0.1659	0.0272	0.3627
4/19/2004	6.6	13.5				No						
4/26/2004	9.63	21.09				No						
5/3/2004	9.9	19.65				No						
5/10/2004	10.84	32.6				No						
5/12/2004						Yes	2.1449	15.3681	0.0249	0.1594	0.0261	0.349
5/17/2004	SVE unit shut down											
5/24/2004	15.85	28.93										
6/1/2004	14.82	27.23	-	-	-	No						
6/7/2004	13.86	24.20	-	-	-	No						
6/14/2004	15.05	24.85	-	-	-	No						
6/15/2004	17.04	32.20	-	-	-	No						
6/17/2004	14.38	27.19	-	-	-	No						
6/21/2004	13.13	24.03	-	-	-	No						
6/28/2004	16.24	33.40	-	-	-	No						
8/19/2004	8.97	14.45	-	-	-	No						
8/23/2004	9.40	15.45	-	-	-	No						
8/30/2004	15.30	25.10	-	-	-	No						
9/6/2004	SVE unit shut down											
9/21/2004	14.26	23.83	-	-	-	No						

SVE CONCENTRATIONS

O&G 1980 O&M Data - SVE CONCENTRATIONS

[illegible]

ChevronTexaco
Eunice South Plant
O & M Field Report

SVE CONCENTRATIONS

Well ID: RW-4

O&G 1980 O&M Data - SVE CONCENTRATIONS

Date	FIELD MEASUREMENTS					LAB ANALYSIS						
	Well Vacuum (inches H2O)	Applied Vacuum (inches H2O)	OVM (ppm)	O ₂	CO ₂	Well Sampled	O ₂	CO ₂	Benzene	Toluene	E Benzene	Xylenes
4/14/2004	11.0		151	6.8	0	Yes	4.2482	13.6652	0.0400	0.2681	0.0442	0.5866
4/19/2004	9.30	16.40				No						
4/26/2004	14.78	22.82				No						
5/3/2004	14.40	21.06				No						
5/10/2004	18.30	31.47				No						
5/12/2004						Yes	3.2222	13.5093	0.0675	0.2278	0.0374	0.4977
5/17/2004	SVE unit shut down											
5/24/2004	21.86	31.31				No						
6/1/2004	21.00	29.90				No						
6/7/2004	20.16	26.24				No						
6/14/2004	19.82	29.96				No						
6/15/2004	23.78	36.05				No						
6/17/2004	18.70	29.80				No						
6/21/2004	17.48	26.33				No						
6/28/2004	17.44	36.23				No						
8/19/2004	7.90	15.31	-	-	-	No						
8/23/2004	8.95	17.12	-	-	-	No						
8/30/2004	11.27	28.04	-	-	-	No						
9/6/2004	SVE unit shut down											
9/21/2004	9.61	26.13	-	-	-	No						

SVE CONCENTRATIONS

O&G 1980 O&M Data - SVE CONCENTRATIONS

[illegible]

Chevron
Eunice South Plant
O & M Field Report

SVE CONCENTRATIONS

Well ID: RW-5

O&G 1980 O&M Data - SVE CONCENTRATIONS

Date	FIELD MEASUREMENTS					LAB ANALYSIS						
	Well Vacuum (inches H2O)	Applied Vacuum (inches H2O)	OVM (ppm)	O ₂	CO ₂	Well Sampled	O ₂	CO ₂	Benzene	Toluene	E Benzene	Xylenes
4/14/2004	10		91	2.6	0	Yes	2.2098	17.4788	0.0275	0.1848	0.0305	0.4038
4/19/2004	7.5	17.0				No						
4/26/2004	9.34	22.34				No						
5/3/2004	9.04	20.7				No						
5/10/2004	11.06	30.06				No						
5/12/2004	-	-	-	-	-	Yes	3.0004	14.6847	0.0386	0.1608	0.0264	0.3521
5/17/2004	SVE unit shut down											
5/24/2004	14.15	30.62	-	-	-	No						
6/1/2004	12.85	29.25	-	-	-	No						
6/7/2004	13.00	25.80	-	-	-	No						
6/14/2004	15.55	28.40	-	-	-	No						
6/15/2004	17.26	34.50	-	-	-	No						
6/17/2004	14.53	28.09	-	-	-	No						
6/21/2004	13.55	25.02	-	-	-	No						
6/28/2004	15.38	35.70	-	-	-	No						
8/19/2004	7.33	15.40	-	-	-	No						
8/23/2004	7.49	16.50	-	-	-	No						
8/30/2004	10.83	26.61	-	-	-	No						
9/6/2004	SVE unit shut down											
9/21/2004	10.19	25.33	-	-	-	No						

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Chevron
Eunice South Plant
O & M Field Report

SVE CONCENTRATIONS

Well ID: MW-28

O&G 1980 O&M Data - SVE CONCENTRATIONS

Date	FIELD MEASUREMENTS					LAB ANALYSIS						
	Well Vacuum (inches H2O)	Applied Vacuum (inches H2O)	OVM (ppm)	O ₂	CO ₂	Well Sampled	O ₂	CO ₂	Benzene	Toluene	E Benzene	Xylenes
4/14/2004	7.5		82	2.5	0	Yes	1.8281	6.4585	0.0344	0.2307	0.0381	0.5042
4/19/2004	6.9	20.0				No						
4/26/2004	8.61	22.75				No						
5/3/2004	8.29	21.00				No						
5/10/2004	10.16	29.54				No						
5/12/2004						Yes	19.7521	1.9466	0.0273	0.0772	0.0127	0.1691
5/17/2004	SVU unit shut down											
5/24/2004	14.84	31.05	-	-	-	No						
6/1/2004	14.42	28.92	-	-	-	No						
6/7/2004	13.55	26	-	-	-	No						
6/17/2004	13.94	29.16	-	-	-	No						
6/21/2004	12.18	26.53	-	-	-	No						
6/28/2004	15.82	35.42	-	-	-	No						
8/19/2004	8.46	14.90	-	-	-	No						
8/23/2004	\$6.90	6.90	-	-	-	No						
8/30/2004	14.07	26.36	-	-	-	No						
9/6/2004	SVU unit shut down											
9/21/2004	10.93	25.88	-	-	-	No						
9/27/2004	11.90	31.31	-	-	-	No						
10/4/2004	14.85	47.21	-	-	-	No						

MW-28

O&G 1980 O&M Data - SVE CONCENTRATIONS

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Operation & Maintenance Reports

EAST SIDE FERRET SYSTEM

O & M Field Report
EAST SIDE FERRET SYSTEM

WELL ID: MW-20 (North Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS			PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO		
5/27/2003				0	0	0	30	5	X		100	Start up - 1st day to pump. Started at 3:00 pm
5/29/2003				5	0	0	30	5	X		100	Reset Pump - not in fluid
6/4/2003				5	0	5	15	5	X		95	Pumped by John Patterson 6/5/03. MW-20 out of fluid, pump hanging up. Transfer pump not working - call John Patterson (repaired 6/5/03)
6/12/2003				0	0	0	15	5		X	140	Air pressure at compressor - 140/100 psi. Air pressure in controllers 0 psi. Fixed fuse and by-passed cylinder - air pressure 120/120. Made mechanical adjustments to air system. Checked shut-down system with Patterson.
6/19/2003		52.67		0	0	0	15	5		X	120	Not pumping. Pulled pump - by-pass plugged. Cleaned out & test with water - OK. Set at 5", pumped at 2".
6/25/2003				5	100	105	15	3	X		120	Left steel cap open - discharge hose had a kink in line with cap closed. Pumped off tanks into tank battery.
7/8/2003				5	15	0	15	2		X	0	No air pressure in any part of system. Electrical box kicking out so pump will not pump last phase.
7/9/2003				5	15	0	15	2		X		Dixie Electric on site - lost a phase of electricity, no 480 to dog house. Electricity fixed & pumps running.

O & M Field Report EAST SIDE FERRET SYSTEM

WELL ID: MW-20 (North Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS			PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO		
7/17/2003				0	0	0	15	2		X	0 / Fixed 120	Breaker was flipped OFF - Flipped to ON position and compressor started. Left psi at 90.
7/25/2003				0	0	0	15	2	X		105	North not pumping - hissing noise at top of wellhead. Pulled north pump - cleaned down hole air restrictor.
8/4/2003	52.43	52.49	0.06	15	15	15	15	2		X	105	Electrical problems - breaker blown/pump kick out. Called Dixie Electric to repair electrical problems. Take off fuse - blown again.
8/13/2003	52.42	52.51	0.09	0	0	0	15	3		X	110	Breaker for compressor and south well control panel out - no power. Reset and both are working. Pulled pumps. Checked air restrictor & cleaned. Both pumps are pumping.
8/22/2003	52.48	52.57	0.09	5	185	190	15	3		X	105	Ferret active/pumping.
8/29/2003				5	150	155	15	3		X	108	Pumps running good, air good.
9/4/2003	52.54	52.61	0.07	5	130	135	15	3		X	108	Pumps running good. Small leak on drain valve. Replace valve with ball valve.
9/10/2003	52.53	52.61	0.08	5	135	140	15	3		X	110	Pumps running - OK.
9/18/2003				5	160	165	15	3		X	108	Pumps running - OK.
9/25/2003	52.57	52.63	0.06	5	150	155	15	3		X	108	Pumps running - OK.
10/1/2003				5	130	135	15	3		X	108	Pumps running - OK.
10/10/2003				5	180	185	15	3		X	108	Pumps running - OK.
10/17/2003	52.55	52.62	0.07	5	150	155	15	3		X	106	Pumps running - OK.

**O & M Field Report
EAST SIDE FERRET SYSTEM**

WELL ID: MW-20 (North Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS			PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO		
10/24/2003	52.65	52.69	0.04	5	145	150	15	3		X	108	Pumps running - OK.
10/30/2003	52.70	52.85	0.15	5	135	140	15	3		X	108	Pumps running - OK.
11/6/2003				5	155	160	15	3		X	108	Pumps running - OK.
11/13/2003	52.52	52.58	0.06	5	115	120	15	3		X	108	Breaker blown out, compressor running, transfer pump not pumping, get checked, pump tomorrow.
11/20/2003	52.67	52.71	0.04	5	135	140	15	3		X	108	Pumps running - OK.
11/24/2003	52.61	52.63	0.02	5	100	105	15	3		X	108	
12/2/2003				1	150	151	N/A	N/A		X	110	
12/11/2003	52.67	52.71	0.04	5	50	0	15	3		X	0	System down due to TB (full) - killed system, back in service by afternoon.
12/18/2003	52.71	52.72	0.01	5	155	160	15	3		X	108	Pumps running - OK.
12/22/2003	52.61	52.62	0.01	5	95	100	15	3		X	108	Pumps running - OK.
12/31/2003	52.62	52.64	0.02	5	180	185	15	3		X	108	Pumps running. Compressor has leak on regulator - repaired.
1/5/2004	52.64	52.67	0.03	5	110	115	15	3		X	108	Pumps running.
1/12/2004	52.63	52.70	0.07	0	30	0	15	3		X	108	Breaker blown on compressor, not pumping. Got compressor going, no fluid transferred.
1/21/2004	52.83	52.91	0.08	5	180	185	15	3		X	108	Pump running.
1/27/2004	52.40	53.57	1.17	5	35	0	15	3		X	108	After swab - start up today.

O & M Field Report
EAST SIDE FERRET SYSTEM

WELL ID: MW-20 (North Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS		PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO	
2/3/2004	52.65	52.80	0.15	5	150	155	15	3	X		108
2/9/2004	52.50	52.84	0.34	5	130	135	15	3		X	108
2/16/2004	52.50	Could not get level		2	80	82	10	3		X	108
2/23/2004	52.40	N/A		0	0	0	10	3		X	108
3/1/2004	52.37	N/A		0	0	0	10	3		X	108
3/10/2004	52.71	N/A		0	0	0	10	3		X	108
3/16/2004	52.89	52.99	0.10	5	155	160	10	3		X	108
3/22/2004	53.03	53.04	0.01	5	155	160	10	3		X	108
3/29/2004	52.96	53.04	0.08	5	175	180	10	3		X	108
4/5/2004	52.97	53.02	0.05	5	175	180	10	3		X	108
4/13/2004	52.98	53.04	0.06	5	185	190	10	3		X	108
4/19/2004	52.93	52.99	0.06	5	130	135	10	3		X	108
4/26/2004	52.84	52.91	0.07	5	175	180	10	3		X	108
5/3/2004	52.89	52.93	0.04	5	185	190	10	3		X	108
5/10/2004	52.56	N/A		5	110	115	10	3		X	108
5/17/2004	52.92	53.00	0.08	5	140	145	10	3		X	108
5/24/2004	53.00	53.08	0.08	5	180	185	10	3		X	0
6/1/2004	52.97	53.02	0.05	5	140	145	10	3		X	105
6/7/2004	53.13	53.16	0.03	5	160	165	10	3		X	105

O & M Field Report
EAST SIDE FERRET SYSTEM

WELL ID: MW-20 (North Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS		PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO	
6/14/2004	N/A	N/A	-	5	185	185	10	3		X	Compressor down
6/21/2004	N/A	N/A	-	5	105	110	10	3		X	New compressor 6/17/04
6/28/2004	53.03	53.10	0.07	5	180	185	10	3		X	
7/6/2004	53.07	53.15	0.08	5	195	200	10	3		X	
7/12/2004	53.16	53.28	0.12	5	140	145	10	3		X	
7/19/2004	53.19	53.26	0.07	5	170	175	10	3		X	
7/26/2004	52.81	N/A	-	5	65	70	10	3		X	Pumps not running - breaker tripped
8/2/2004	52.18	52.21	0.03	5	150	155	10	3		X	
8/9/2004	52.19	52.23	0.04	5	170	175	10	3		X	
8/16/2004	53.21	53.23	0.05	5	175	180	10	3		X	
8/23/2004	53.18	53.19	0.01	5	175	180	10	3		X	
8/30/2004	53.25	53.27	0.02	5	175	180	10	3		X	
9/6/2004	53.23	53.25	0.02	5	180	185	10	3		X	
9/13/2004	53.21	53.24	0.03	5	160	165	10	3		X	
9/20/2004	53.02	N/A	-	5	130	135	10	3		X	Leak in air line
9/27/2004	N/A	N/A	-	5	165	170	10	3		X	
10/4/2004	N/A	N/A	-	5	165	170	10	3		X	
10/11/2004	N/A	N/A	-	5	185	190	10	3		X	

O & M Field Report
EAST SIDE FERRET SYSTEM

WELL ID: MW-20 (North Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS		PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)			
10/18/2004	52.25	53.26	1.01	5	185	190	10	3	X	100	
10/25/2004	51.97	52.64	0.67	5	170	175	10	3	X	100	
11/1/2004	51.81	52.52	-	5	175	180	10	3	X	100	
11/8/2004	51.82	52.11	0.29	5	180	185	10	3	X	100	
11/15/2004	N/A	N/A	-	5	180	185	10	3	X	100	
11/22/2004	51.80	52.11	0.31	5	180	185	10	3	X	100	
11/29/2004	N/A	N/A	-	5	180	185	10	3	X	100	
12/18/2004	N/A	N/A	-								Unit down - compressor stolen
12/20/2004	N/A	N/A	-								Unit down - compressor stolen
12/28/2004	N/A	N/A	-	5	80	85	10	3	X	100	Hooking up compressor

Chevron
Eunice South Gas Plant

O & M Field Report
EAST SIDE FERRET SYSTEM

WELL ID: MW-5 (South Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS			PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (Inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO		
5/27/2003				0	0	0	30	5	X		100	1st day to pump. Started at 3:00 pm.
5/29/2003				1	29	0	30	5		X	100	
6/4/2003				10	100	110	30	5		X	95	
6/12/2003				0	0	0	30	5		X	140	Pump down - no air pressure. Fixed fuse & by passed cylind - air pressure 120 / 120. Made mechanical adjustments to air system. Checked shut-down system with Patterson.
6/19/2003				10	100	110	30	5		X	120	
6/25/2003				5	130	135	15	3		X	120	Pumped off both tanks to Tank Battery
7/8/2003				Trace	210	None - Kicks out at box	15	3		X	0	No air pressure in any part of system. Electrical box kicking out so pump will no pump last phase.
7/9/2003				Trace	210	None	15	3		X	0	Dixie Electric on site - lost a phase of electricity, no 480 to dog house. Electricity fixed and pumps running.
7/17/2003				5	30	35	15	3		X	None / Fixed 120	Breaker was flipped off - flipped to on position and compressor started. Left psi at 90. Repaired trouble.

O & M Field Report
EAST SIDE FERRET SYSTEM

WELL ID: MW-5 (South Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS			PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO		
7/25/2003				0	160	160 - No oil, all water	15	3		X	105	South pumping, north not.
8/4/2003	52.33	52.4	0.01	0	100	100	15	3		X	105	Electrical problems - breaker blown/pump kick out. Called Dixie Electric to repair. Take off fuse blown again.
8/13/2003	52.23	52.31	0.07	0	0	0	15	2		X	110	Breaker for compressor and south well control panel (out) - no power. Reset and both are working. Pulled both pumps. Checked air resistor & cleaned. Both pumps are pumping.
8/22/2003	52.30	52.31	0.01	5	210	215	15	3		X	105	Ferret active/pumping.
8/29/2003				5	150	155	15	3		X	108	Pumps running, good air.
9/4/2003	52.38	52.39	0.01	0	135	135	15	3		X	108	Pumps running good. Small leak on drain valve. Replace valve with ball valve.
9/10/2003	52.49	52.51	0.02	5	135	140	15	3		X	110	Pumps running - OK.
9/18/2003				5	160	165	15	3		X	108	Pumps running - OK.
9/25/2003	52.37	52.39	0.02	5	160	165	15	3		X	108	Pumps running - OK.
10/1/2003				5	130	135	15	3		X	108	Pumps running - OK.
10/10/2003				5	180	185	15	3		X	108	Pumps running - OK.
10/17/2003	52.57	52.56	0.01	5	150	155	15	3		X	106	Pumps running - OK.

O & M Field Report EAST SIDE FERRET SYSTEM

WELL ID: MW-5 (South Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS			PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO		
10/24/2003	52.48	52.51	0.03	5	145	150	15	3		X	108	Pumps running - OK.
10/30/2003	52.49	52.57	0.08	5	135	140	15	3		X	108	Pumps running - OK.
11/6/2003				5	155	160	15	3		X	108	Pumps running - OK.
11/13/2003	52.33	52.38	0.05	5	115	120	15	3		X	108	Breaker blown out, compressor running, transfer pump not pumping - get checked, pump tomorrow.
11/20/2003	52.37	52.40	0.03	5	135	140	15	3		X	108	Pumps running - OK.
11/24/2003	52.36	52.38	0.02	5	100	105	15	3		X	108	Pumps running - OK.
12/2/2003				1	230	231	N/A	N/A		X		
12/11/2003	52.35	52.37	0.02	5	50	0 - System Down	15	3		X	0	System down - did not drain tanks. System back to service in afternoon.
12/18/2003	52.40	52.41	0.01	5	155	160	15	3		X	108	Pumps running - OK.
12/22/2003	52.51	52.52	0.01	5	95	100	15	3		X	108	Pumps running - OK.
12/31/2003	52.56	52.57	0.01	5	180	185	15	3		X	108	Pumps running; compressor has leak on regulator.
1/5/2004	N/A	52.49		5	115	120	15	3		X	108	Pumps running - OK.
1/12/2004	52.38	52.39	0.01		30	0	15	3		X	108	Breaker blown, not pumping. Got compressor running. No fluid transferred.
1/21/2004	52.47	52.48	0.01	5	205	210	15	3		X	108	Pumps running - OK.

O & M Field Report
EAST SIDE FERRET SYSTEM

WELL ID: MW-5 (South Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		PSH THICKNESS (ft.)	TANKS		PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)		Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO		
1/27/2004	52.37	52.4	0.03	5	45	0	15	3		X	108	Start up - well shut-in 5 days
2/3/2004	52.43	52.51	0.08	5	180	185	15	3		X	108	
2/9/2004	52.48	52.52	0.04	5	160	165	15	3		X	108	
2/16/2004	52.53	52.54	0.01	5	120	125	15	3		X	108	
2/23/2004	0	52.59		5	130	135	15	3		X	108	Pump running.
3/1/2004	52.54	52.55	0.01	5	135	140	15	3		X	108	Pump running.
3/10/2004	52.59	52.60	0.01	5	165	170	15	3		X	108	Pump running.
3/16/2004	N/A	52.64		5	125	130	15	3		X	108	Pump running.
3/22/2004	52.61	52.62	0.01	5	55	60	15	3		X	108	Automatic shut-off switch not working - bypassed & got pump running.
3/29/2004	52.64	52.65	0.01	5	130	135	15	3		X	108	Pump running.
4/5/2004	52.66	52.67	0.01	5	135	140	15	3		X	108	Pump running.
4/13/2004	N/A	52.64		5	135	140	15	3		X	108	Pump running.
4/19/2004	52.60	52.61	0.01	5	140	145	15	3		X	108	Pump running.
4/26/2004	52.52	52.53	0.01	5	145	150	15	3	X		108	Pump running.
5/3/2004	52.52	52.66	0.14	5	145	150	15	3		X	108	
5/10/2004	52.46	52.7	0.24	3	80	83	15	3		X		Compressor down
5/17/2004	52.52	52.62	0.10	5	120	123	15	3		X	108	
5/24/2004	52.62	52.70	0.08	5	130	135	15	3		X	0	Compressor leak
6/1/2004	52.61	52.65	0.04	5	120	125	15	3		X	105	

O & M Field Report
EAST SIDE FERRET SYSTEM

WELL ID: MW-5 (South Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS			PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO		
6/7/2004	52.64	52.66	0.02	5	115	120	15	3		X	105	
6/14/2004	N/A	N/A	-	5	130	135	15	3	X		105	Compressor leak, shut down - new comp. installed
6/21/2004	NA	NA	-	5	95	100	15	3		X	108	
6/28/2004	52.70	52.73	0.03	5	130	135	15	3		X	108	
7/6/2004	52.70	52.73	0.03	5	130	135	15	3		X	108	
7/12/2004	52.75	52.77	0.02	5	110	115	15	3		X	108	
7/19/2004	52.75	52.81	0.06	5	130	135	15	3		X	105	
7/26/2004	52.72	NA	-	5	45	50	15	3		X	100	Pumps not running - breaker tripped
8/2/2004	52.75	52.76	0.01	5	110	115	15	3		X	108	
8/9/2004	52.76	52.77	0.01	5	110	115	15	3		X	108	
8/16/2004	52.82	52.83	0.01	5	110	115	15	3		X	100	
8/23/2004	52.82	52.83	0.01	5	95	100	15	3		X	100	
8/30/2004	52.84	52.85	0.01	5	95	100	15	3		X	100	
9/6/2004	52.82	52.85	0.03	5	95	100	15	3		X	100	
9/13/2004	52.83	52.85	0.02	5	75	80	15	3		X	100	
9/20/2004	52.83	52.86	0.03	5	90	95	15	3		X	100	
9/27/2004	N/A	N/A	-	5	105	110	15	3		X	100	
10/4/2004	N/A	N/A	-	5	105	110	15	3		X	100	
10/11/2004	N/A	N/A	-	5	120	125	15	3		X	100	

O & M Field Report
EAST SIDE FERRET SYSTEM

WELL ID: MW-5 (South Tank)

O&G/1980-O&M Data/EAST SIDE FERRET SYSTEM REPORTS

Date	MONITOR WELL		TANKS		PUMP CYCLE		PUMP ADJUSTED		PUMP LEVEL (inches)	COMPRESSOR SYSTEM PRESSURE (psi)	COMMENTS
	PSH LEVEL (ft.)	WATER LEVEL (ft.)	PSH THICKNESS (ft.)	Oil (gallons)	Water (gallons)	Total Transferred (gallons)	Fill (minutes)	Discharge (minutes)	YES	NO	
10/18/2004	51.72	52.64	0.92	5	120	125	15	3	X		100
10/25/2004	51.61	51.95	0.34	5	120	125	15	3		X	100
11/1/2004	51.48	52.05	0.57	5	115	120	15	3	X		100
11/8/2004	51.47	51.62		5	120	125	15	3		X	100
11/15/2004	N/A	N/A		5	110	115	15	3		X	100
11/22/2004	51.37	51.63	0.26	5	110	115	15	3		X	100
11/29/2004	N/A	N/A		5	110	115	15	3		X	100
12/13/2004	N/A	N/A									Unit down - compressor stolen
12/20/2004	N/A	N/A									Unit down - compressor stolen
12/28/2004	N/A	N/A		5	60	65	15	3		X	100

Hooked up air lines

Operation & Maintenance Reports
CHLORIDE RECOVERY SYSTEM

CHLORIDE REMEDIATION PROJECT

O & M Field Report

WELL ID#: CRW-1 (MWD-3)

O&G/1980/Chloride Remediation Project- Meter Volume Reports

DATE	Meter Reading	Volume	Adjustment to Volume	Cumulative Volume (bbls)	PUMPING		Pumping Pressure (psi)	Rate (bbls/day)	Water Level Pumping	Adjusted Yes	New Rate (bbls/day)	Water Level Pumping	COMMENTS
					Yes	No							
1/2/2003						X							Start up
1/27/2003	139	139		139	X		76	280	N/A	X	280		Start up
1/28/2003	409	270		409	X		72	243	68.90		X		
2/3/2004	1470	1061		1470	X		78	210	68.50		X		
2/9/2003	1808	338	1248	3056	X		Gauge broke	208	65.55		X		Motor OOS, repaired & calculated 1248 bbls +
2/16/2004	2843	1035		4091	X			208	65.50		X		Replaced gauge, meter stuck
2/24/2004	3466	623	590	5304	X		78	200	71.50		X		Meter stuck - correct +590 (Carry 1846 bbls)
3/1/2004	4864	1398		6702	X		72	203	69.40		X		
3/10/2004	5643	779		7481	X		98	97	73.00	X	78	200	
3/16/2004	6852	1209		8690	X		76	200	72.94		X		
3/22/2004	7150	298		8988	X		98	0	87.0	X	. 80	193	psi was 98
3/29/2004	8517	1367		10355	X		78	195	87.0		X		Pump running.
4/5/2004	9882	1365		11720	X		78	195	81.50		X		
4/13/2004	11417	1535		13255	X		78	193	72.98		X		Pump running.
4/19/2004	12607	1190		14445	X		78	190	N/A		X		
4/26/2004	13244	637		15082	X		95 / 78	198	N/A	X			
5/3/2004	14567	1323		16405	X		80	188	N/A		X		
5/10/2004	15883	1316		17721	X		80	190	N/A		X		Correction 1846

CHLORIDE REMEDIATION PROJECT

WELL ID#: CRW-1 (MWD-3)

O&G/1980/Chloride Remediation Project- Meter Volume Reports

DATE	Meter Reading	Volume	Adjustment to Volume	Cumulative Volume (bbls)	PUMPING		Pumping Pressure (psi)	Rate (bbls/day)	Water Level Pumping		Adjusted		COMMENTS
					Yes	No			Water Level Pumping	Adjusted Yes	New Rate (bbls/day)	Water Level Pumping	
5/17/2004	17194	1311		19032	X		80	188	72.12			X	
5/24/2004	18507	1313		20345	X		80	188	74.08			X	
6/1/2004	20028	1521		21866	X		80	188	74.56			X	
6/7/2004	21182	1154		23020	X		80	188	71.90			X	
6/14/2004	22509	1327		24347	X		80	188	N/A			X	
6/21/2004	23806	1297		25644	X		80	188	N/A			X	
6/28/2004	25058	1252		26896	X		80	188	N/A			X	
7/6/2004	26504	1446		28342	X		80	188	N/A			X	
7/12/2004	27692	1188		29530	X		80	190	75.54			X	
7/19/2004	29011	1319		30849	X		80	186	74.50			X	
7/26/2004	29343	332	980	32161	X		80	181	74.69			X	Meter stuck - correct volume +980
8/2/2004	29895	552	658	33371	X		80	181	74.68			X	Meter stuck - correct volume +658
8/9/2004	31207	1312		34683	X		80	186	74.70			X	
8/16/2004	31907	700	612	35995	X		80	173	74.65			X	Meter stuck
8/23/2004	33214	1307		37302	X		60	186	74.63			X	
8/30/2004	34520	1306		38608	X		60	186	74.71			X	Filed State Report
9/6/2004	36009	1489			X		60	186	74.6			X	
9/13/2004	36989	980			X		60	186	74.56			X	

CHLORIDE REMEDIATION PROJECT

WELL ID#: CRW-1 (MWD-3)

O&G/1980/Chloride Remediation Project- Meter Volume Reports

DATE	Meter Reading	Volume	Adjustment to Volume	Cumulative Volume (bbls)	PUMPING		Pumping Pressure (psi)	Rate (bbls/day)	Water Level Pumping	ADJUSTED		COMMENTS
					Yes	No				Adjusted Yes	New Rate (bbls/day)	
9/20/2004	38290	1301			X		60	183	74.61		X	
9/27/2004	39586	1296			X		60	188	74.6		X	
10/4/2004	40885	1299	4088	44973	X		60	188	74.65		X	Sent State Report
10/11/2004	42210	1325			X		60	190	74.63		X	
10/18/2004	42290	80				X	0	0	54.21		X	Pump not working
10/25/2004	-	0				X	0	0	54.3		X	Pump not working
10/29/2004	42304	0			X		85	186	N/A		X	New pump working
11/1/2004	42853	549	4088	46941	X		90	190	73.35		X	Sent State Report
11/8/2004	44186	1333			X		90	190	73.82		X	
11/15/2004	45540	1354			X		85	190	-		X	
11/22/2004	46857	1317			X		85	190	73.96		X	
11/29/2004	48197	1340	4088	52285	X		85	190	-		X	Sent State Report
12/6/2004	49502	1305			X		85	190	-		X	
12/13/2004	50879	1377			X		85	190	-		X	
12/20/2004	52234	1355			X		90	190	-		X	
12/27/2004	53540	1306	4088	58934	X		90	190	-		X	

O & M Field Report
CHLORIDE REMEDIATION PROJECT

WELL ID#: CRW-2 (MWD-9)

O&G/1980/Chloride Remediation Project - Meter Volume Reports.

DATE	Meter Reading	Volume	Adjustment to Volume	Cumulative Volume (bbls)	PUMPING		Rate (bbls/day)	Water Level Pumping	Adjusted Yes	New Rate (bbls/day)	Water Level Pumping	COMMENTS
					Yes	No						
1/2/2003	4.30	4.30	0.00	4.30	X		325	N/A		X		First reading. Load tanks.
1/27/2003	468.5	464.2	0.0	468.5	X		306	N/A	X	306		Start disposing today
1/28/2003	797.1	328.6	0.0	797.1	X		297	74.05		X		
2/3/2004	2428.0	1630.9	0.0	2428.0	X		269	75.95		X		
2/9/2003	4109.0	1681.0	0.0	4109.0	X		276	76.47		X		
2/16/2004	6005.0	1896.0	0.0	6005.0	X		271	76.20		X		
2/24/2004	7683.6	1678.6	0.0	7683.6	X		266	75.70		X		
3/1/2004	9447.1	1763.5	0.0	9447.1	X		221	73.00		X		
3/10/2004	11624.0	2176.9	0.0	11624.0	X		245	77.4		X		
3/16/2004	13100.0	1476.0	0.0	13100.0	X		243	78.43		X		Pump running
3/22/2004	14574.0	1474.0	0.0	14574.0	X		243	78.62		X		
3/29/2004	16294.0	1720.0	0.0	16294.0	X		245	76.64		X		Pump running
4/5/2004	18026.0	1732.0	0.0	18026.0	X		245	76.15		X		
4/13/2004	19986.0	1960.0	0.0	19986.0	X		245	76.79		X		Pump running
4/19/2004	21525.0	1539.0	0.0	21525.0	X		245			X		
4/26/2004	22732.0	1207.0	0.0	22732.0		X	228	72.6		X		Pump down
5/3/2004	24471.0	1739.0	0.0	24471.0	X		250	73.5		X		

CHLORIDE REMEDIATION PROJECT

WELL ID#: CRW-2 (MWD-9)

O&G/1950/Chloride Remediation Project - Meter Volume Reports

DATE	Meter Reading	Volume	Adjustment to Volume	Cumulative Volume (bbbls)	PUMPING		Pumping Pressure (psi)	Rate (bbbls/day)	Water Level Pumping	ADJUSTED		COMMENTS
					Yes	No				Adjusted Yes	New Rate (bbbls/day)	
5/10/2004	26249.0	1778.0	0.0	26249.0	X		72	252	N/A		X	
5/17/2004	28014.0	1765.0	0.0	28014.0	X		72	252	74.6		X	
5/24/2004	29787.0	1773.0	0.0	29787.0	X		72	252	74.59		X	Pump down, called electrician, electricity is fine, pump is not working
6/1/2004	31309.0	1522.0	0.0	31309.0		X	0	0	53.58		X	Set new pump & adjusted
6/7/2004	31313.0	4.0	0.0	31313.0	X		62	250	72.90	X		
6/14/2004	33047.0	1734.0	0.0	33047.0	X		60	245	N/A		X	
6/21/2004	34738.0	1691.0	0.0	34738.0	X		60	245	N/A		X	
6/28/2004	36487.0	1749.0	0.0	36487.0	X		60	245	N/A		X	
7/6/2004	38469.0	1982.0	0.0	38469.0	X		60	245	N/A		X	Filed State Report
7/12/2004	39956.0	1487.0	0.0	39956.0	X		60	245	73.84		X	
7/19/2004	41717.0	1761.0	0.0	41717.0	X		60	247	73.80		X	
7/26/2004	43464.0	1747.0	0.0	43464.0	X		60	250	73.80		X	
8/2/2004	45212.0	1748.0	0.0	45212.0	X		60	243	73.82		X	Filed State Report
8/9/2004	46941.0	1729.0	0.0	46941.0	X		60	245	73.83		X	
8/16/2004	48686.0	1745.0	0.0	48686.0	X		60	250	73.87		X	
8/23/2004	50453.0	1767.0	0.0	50453.0	X		60	250	73.85		X	
8/30/2004	52233.0	1780.0	0.0	52233.0	X		60	252	73.81		X	Filed State Report
9/6/2004	54335.0	2102.0	0.0	54335.0	X		60	259	73.88		X	
9/13/2004	55913.0	1578.0	0.0	55913.0	X		60	259	73.80		X	

CHLORIDE REMEDIATION PROJECT

WELL ID#: CRW-2 (MWD-9)

O&G/1980/Chloride Remediation Project - Meter Volume Reports

DATE	Meter Reading	Volume	Adjustment to Volume	Cumulative Volume (bbls)	PUMPING		Pumping Pressure (psi)	Rate (bbls/day)	Water Level Pumping		ADJUSTED		COMMENTS
					Yes	No			Yes	No	New Rate (bbls/day)	Water Level Pumping	
9/20/2004	57769.0	1856.0	0.0	57769.0	X		60	259		X		73.83	
9/27/2004	59622.0	1853.0	0.0	59622.0	X		57	264		X		73.79	
10/4/2004	61466.0	1844.0	0.0	61466.0	X		60	261		X		73.80	Filed State Report
10/11/2004	63306.0	1840.0	0.0	63306.0	X		60	261		X		73.76	
10/18/2004	65172.0	1866.0	0.0	65172.0	X		60	264		X		62.25	
10/25/2004	67045.0	1873.0	0.0	67045.0	X		60	264		X		63.05	
11/1/2004	68929.0	1884.0	0.0	68929.0	X		60	266		X		62.24	Filed State Report
11/8/2004	70799.0	1870.0	0.0	70799.0	X		60	261		X		62.41	
11/15/2004	72695.0	1896.0	0.0	72695.0	X		58	260		X		-	
11/22/2004	74545.0	1850.0	0.0	74545.0	X		60	266		X		63.47	
11/28/2004	76436.0	1891.0	0.0	76436.0	X		60	264		X		-	Filed State Report
12/6/2004	78275.0	1839.0	0.0	78275.0	X		60	264		X		-	
12/13/2004	80204.0	1929.0	0.0	80204.0	X		60	264		X		-	
12/20/2004	82104.0	1900.0	0.0	82104.0	X		60	264		X		-	
12/27/2004	83930.0	1826.0	0.0	83930.0	X		58	264		X		-	

APPENDIX C

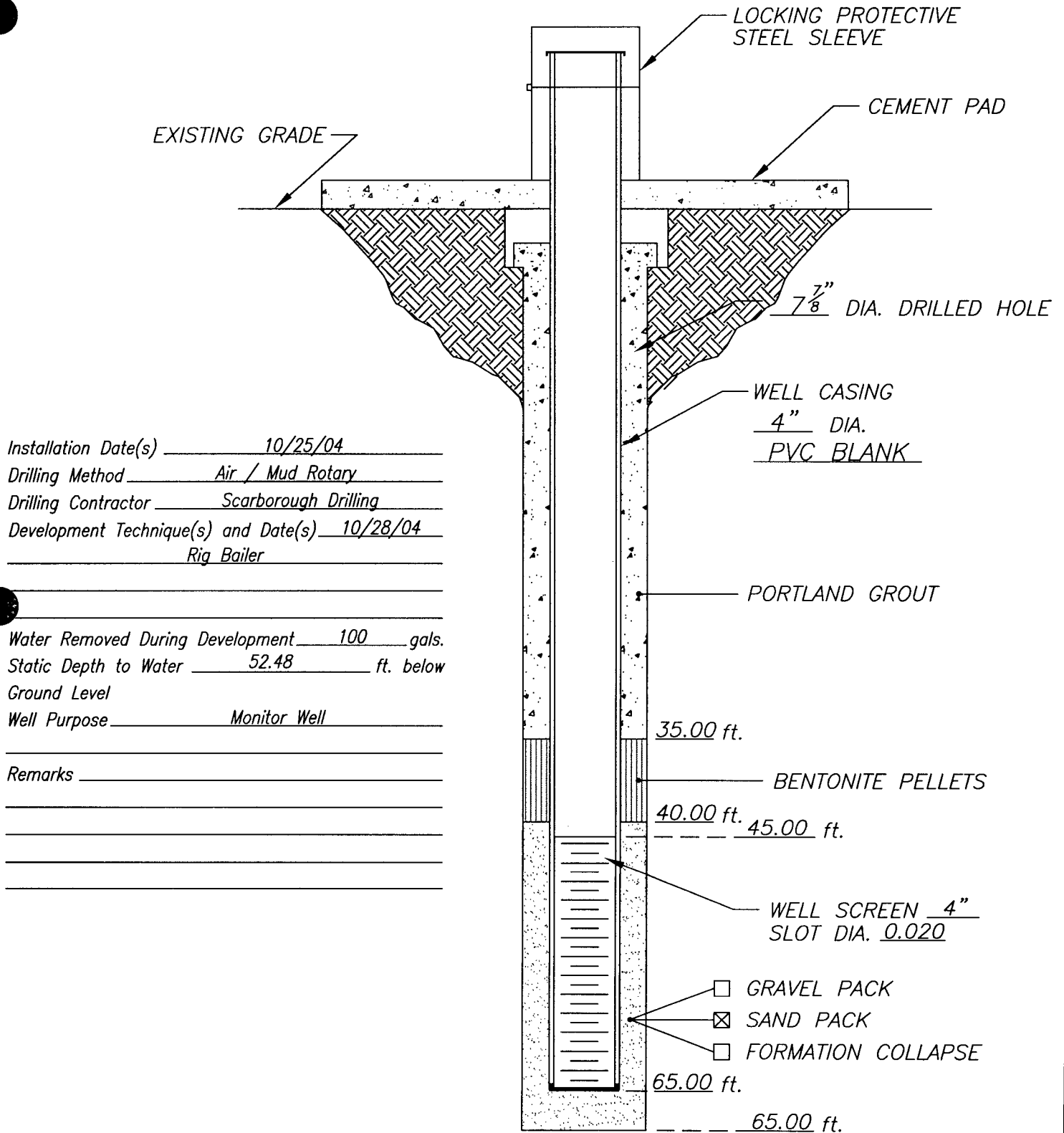
Well Logs

DRILLING LOG

Boring/Well: MW-29
Site Location: South Eunice Gas Plant
Location: Eunice, New Mexico
Total Depth: 65'
Date Installed: 10/25/04

DEPTH (Ft)	SAMPLE DESCRIPTION
0-10	Tan, fine grain sand and caliche, dense
10-20	Tan/gray, fine grain sand, dense layer, some traces of caliche and sandstone
20-30	Brown, fine grain sand, dense layers of cemented sandstone, trace of caliche
30-40	Tan, fine grain sand, loose, some cemented sandstone layers
40-50	Tan, fine grain sand, loose and cemented sandstone layers
50-60	Tan, fine grain sand, loose and cemented sandstone layers
60-65	Tan, fine grain sand, loose, cemented sandstone layers
	TD – 65'

WELL CONSTRUCTION LOG



DATE: 10/25/04

**Highlander
Environmental**

CLIENT: *Texaco Exploration & Production, Inc.*

PROJECT: *Eunice (South) Plant*

LOCATION: *Lea County, New Mexico*

WELL NO.

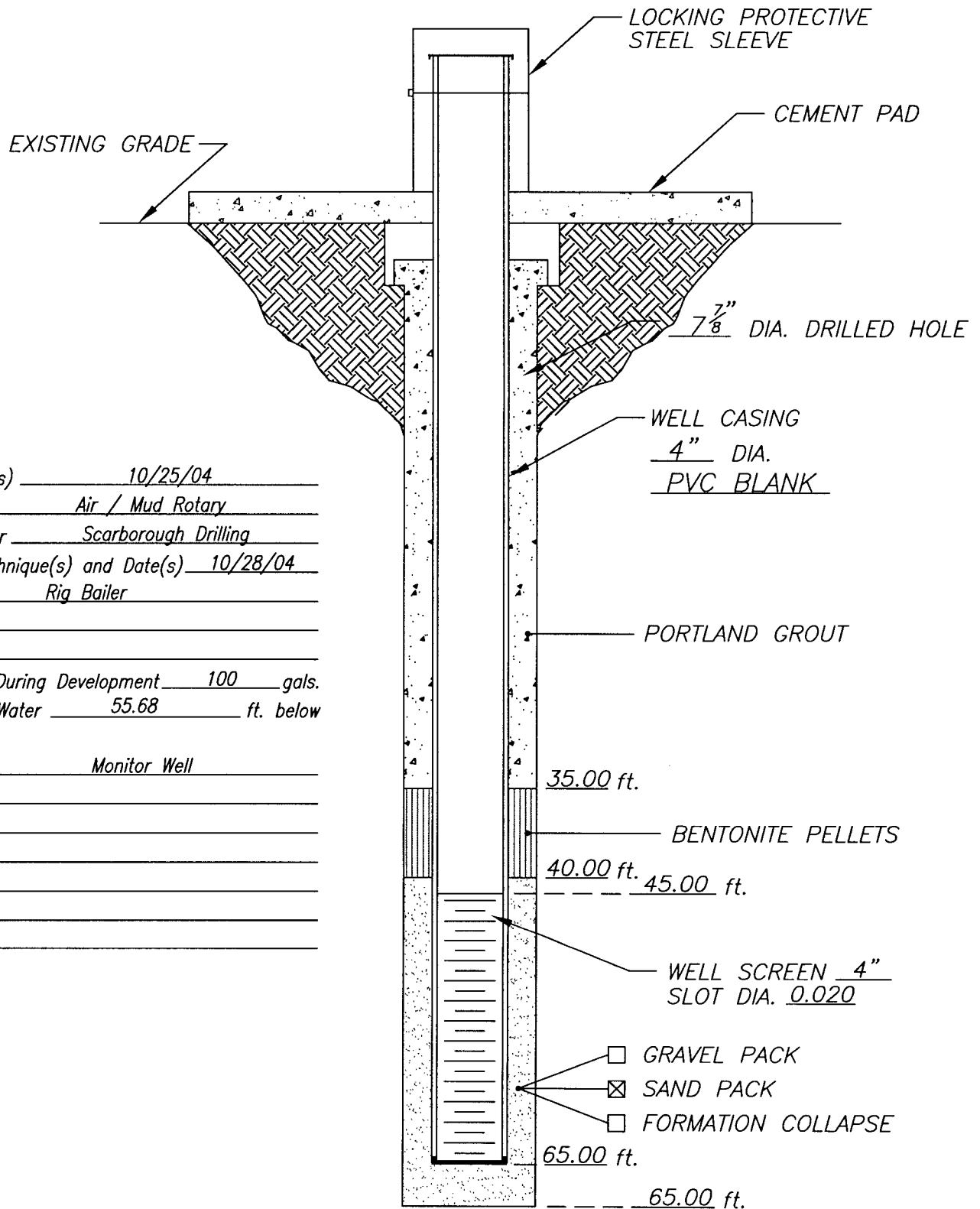
MW-29

DRILLING LOG

Boring/Well: MW-30
Site Location: South Eunice Gas Plant
Location: Eunice, New Mexico
Total Depth: 65'
Date Installed: 10/25/04

DEPTH (Ft)	SAMPLE DESCRIPTION
0-10	Tan, fine grain sand and white caliche, dense formation
10-20	Tan/gray, fine grain sand, dense layer, some traces of dense caliche
20-30	Tan fine grain sand, dense layers of cemented sandstone, trace of caliche
30-40	Tan, fine grain sand, loose, some cemented sandstone layers
40-50	Tan, fine grain sand, loose and cemented sandstone layers
50-60	Tan, fine grain sand, loose and cemented sandstone layers
60-65	tan, fine grain sand, loose sand, cemented sandstone layers
	TD – 65'

WELL CONSTRUCTION LOG



Installation Date(s) 10/25/04
 Drilling Method Air / Mud Rotary
 Drilling Contractor Scarborough Drilling
 Development Technique(s) and Date(s) 10/28/04
Rig Bailer

Water Removed During Development 100 gals.
Static Depth to Water 55.68 ft. below
Ground Level
Well Purpose Monitor Well

Remarks _____

DATE: 10/25/04

*Highlander
Environmental*

CLIENT: *Texaco Exploration & Production, Inc.*
PROJECT: *Eunice (South) Plant*
LOCATION: *Lea County, New Mexico*

WELL NO.

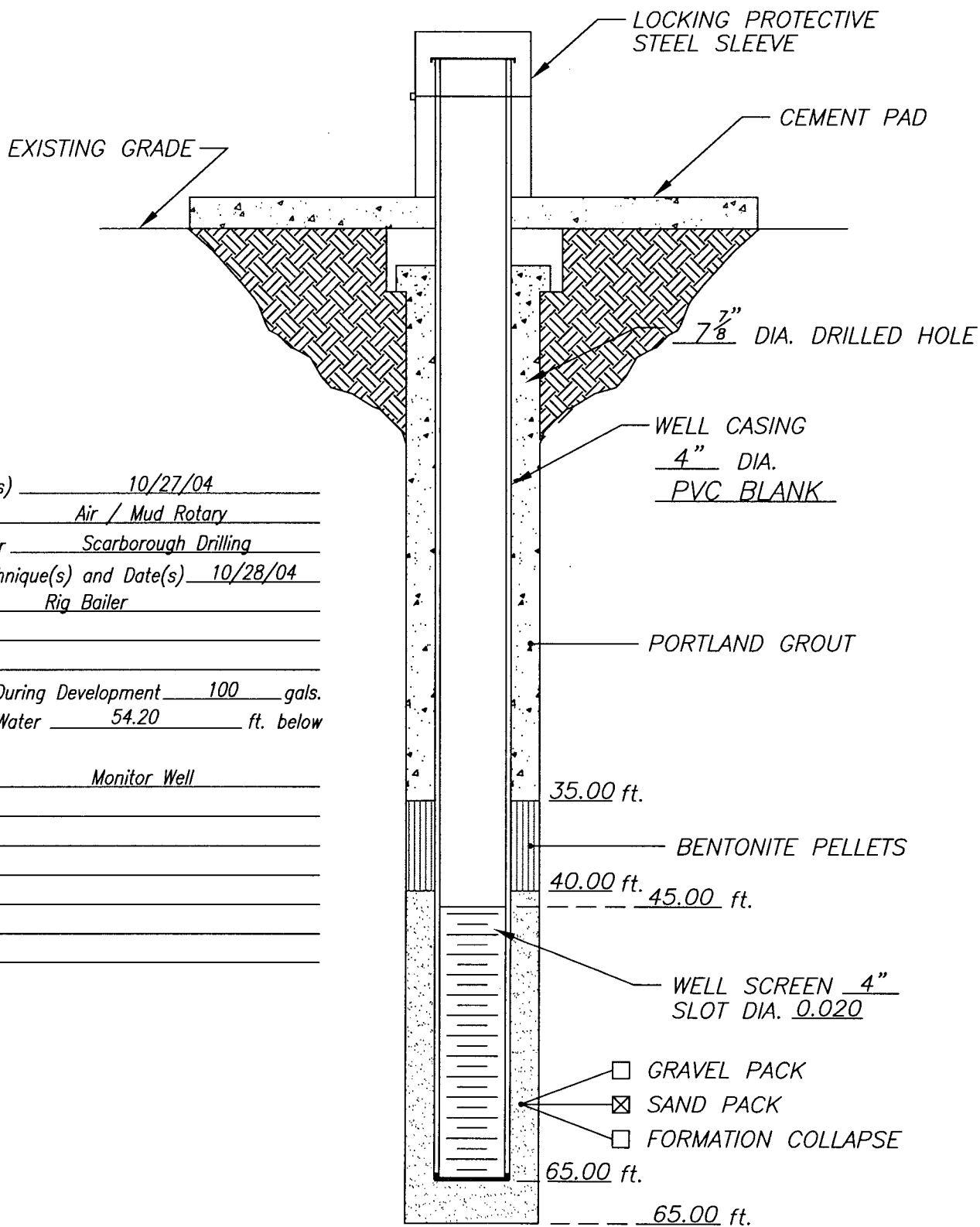
MW-30

DRILLING LOG

Boring/Well: MW-31
Site Location: South Eunice Gas Plant
Location: Eunice, New Mexico
Total Depth: 65'
Date Installed: 10/27/04

DEPTH (Ft)	SAMPLE DESCRIPTION
0-10	Tan, fine grain sand and white caliche, dense formation
10-20	Tan, fine grain sand, dense layer, some traces of dense caliche
20-30	Tan fine grain sand, dense layers of cemented sandstone, trace of caliche
30-40	Tan, fine grain sand, some cemented sandstone layers
40-50	Tan, fine grain sand, loose and cemented dense sandstone layers
50-60	Tan, fine grain sand, loose sand and cemented sandstone layers
60-65	tan, fine grain sand, loose sand, streaks of cemented sandstone layers
	TD – 65'

WELL CONSTRUCTION LOG



Installation Date(s) 10/27/04
 Drilling Method Air / Mud Rotary
 Drilling Contractor Scarborough Drilling
 Development Technique(s) and Date(s) 10/28/04
Rig Bailer

Water Removed During Development 100 gals.
 Static Depth to Water 54.20 ft. below
 Ground Level
 Well Purpose Monitor Well

Remarks _____

DATE: 10/25/04

**Highlander
Environmental**

CLIENT: *Texaco Exploration & Production, Inc.*

PROJECT: *Eunice (South) Plant*

LOCATION: *Lea County, New Mexico*

WELL NO.

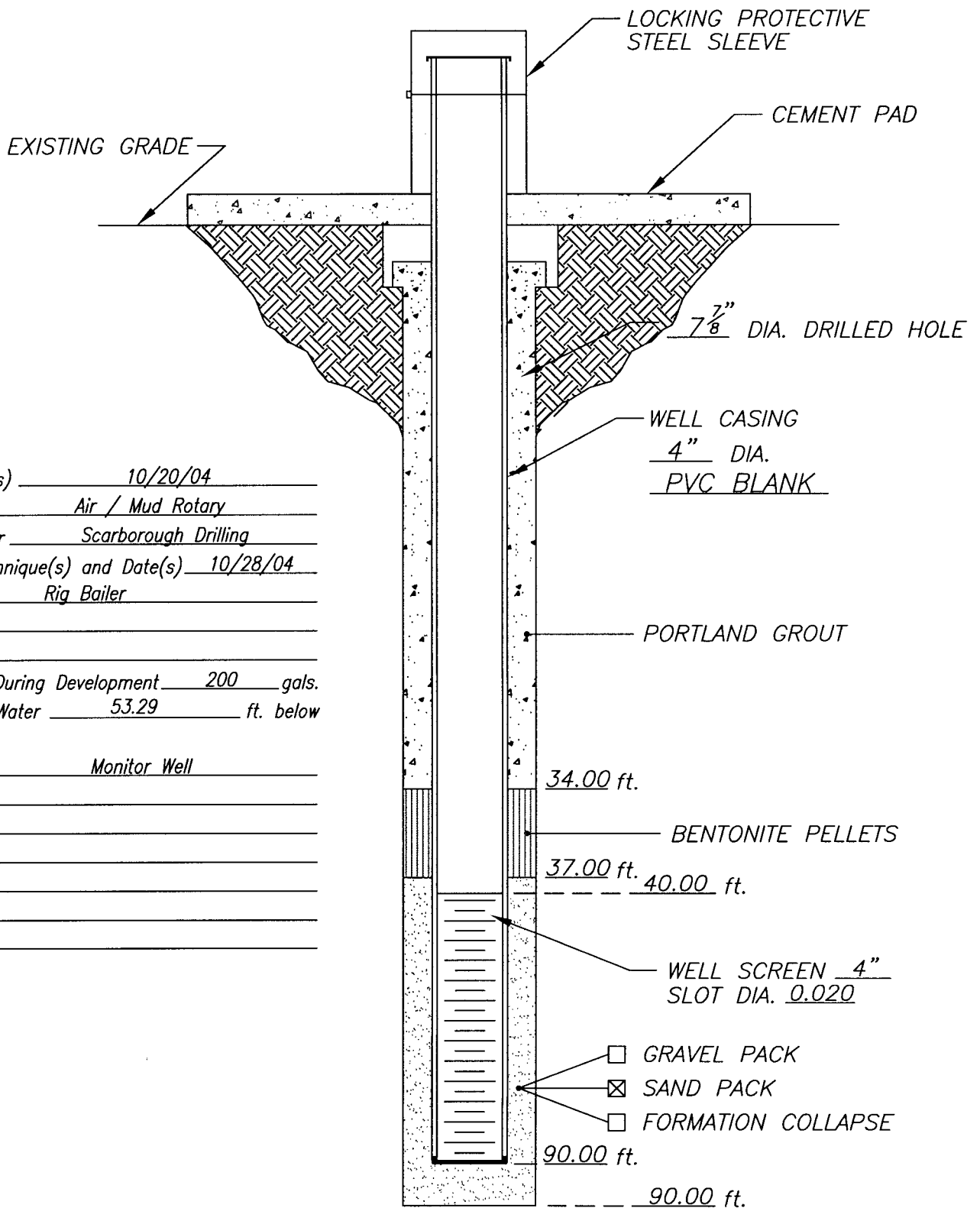
MW-31

DRILLING LOG

Boring/Well: MWD-15
Site Location: South Eunice Gas Plant
Location: Eunice, New Mexico
Total Depth: 90'
Date Installed: 10/20/04

DEPTH (Ft)	SAMPLE DESCRIPTION
0-10	Tan, dense layer, white caliche
10-20	Tan, dense layer white caliche and sand
20-40	Tan, fine grain sand, dense layers of cemented sandstone, trace of caliche
40-50	Tan, fine grain sand, loose, trace of cemented sandstone layers
50-60	Tan, fine grain sand, loose, trace of cemented sandstone layers
60-70	Tan, fine grain sand, loose, trace of sandy clay
70-80	Tan, fine grain sand and gravel, loose, dense layer of cemented sandstone
80-85	Tan, fine grain sand, loose
85-90	Gravel and sandy clay and gravel
90	Greenish-yellowish clay, some gravel, cemented sandstone layer
	TD - 90'

WELL CONSTRUCTION LOG



Installation Date(s) 10/20/04
Drilling Method Air / Mud Rotary
Drilling Contractor Scarborough Drilling
Development Technique(s) and Date(s) 10/28/04
Rig Bailer

Water Removed During Development 200 gals.
Static Depth to Water 53.29 ft. below
Ground Level
Well Purpose Monitor Well

Remarks _____

DATE: 10/20/04

*Highlander
Environmental*

CLIENT: *Texaco Exploration & Production, Inc.*

PROJECT: *Eunice (South) Plant*

LOCATION: *Lea County, New Mexico*

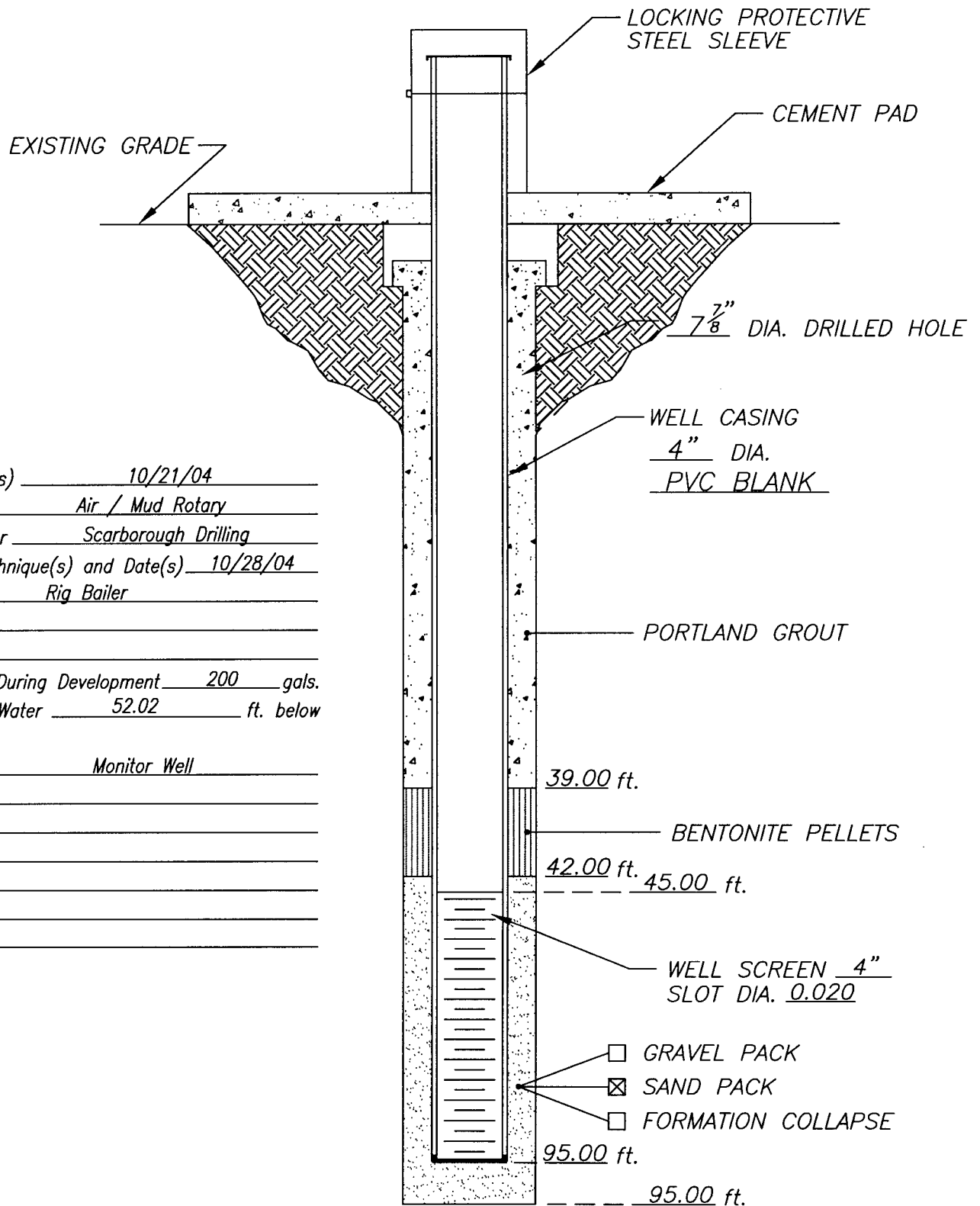
WELL NO.

MWD-15

Boring/Well: MWD-16
Site Location: South Eunice Gas Plant
Location: Eunice, New Mexico
Total Depth: 95'
Date Installed: 10/21/04

DEPTH (Ft)	SAMPLE DESCRIPTION
0-10	Black staining, loose, sludge material, fill material ?, some sand and caliche
10-20	Black/gray staining, fill material ?, some caliche and sand
20-40	Black/gray staining, caliche and sand - gray staining
40-50	Gray staining, fine grain sand and caliche
50-60	Gray staining, fine grain sand, loose, trace of cemented sandstone layers
60-70	Tan, fine grain sand, loose, with cemented sandstone layers
70-80	Tan, fine grain sand and gravel, loose, dense layer of cemented sandstone
80-85	Tan, fine grain sand, loose, some gravel
85-90	Gravel and sandy clay and gravel
90-95	Gravel, trace of red and green clay, some sandstone
	TD - 95'

WELL CONSTRUCTION LOG



Installation Date(s) 10/21/04
 Drilling Method Air / Mud Rotary
 Drilling Contractor Scarborough Drilling
 Development Technique(s) and Date(s) 10/28/04
Rig Bailer

Water Removed During Development 200 gals.
 Static Depth to Water 52.02 ft. below
 Ground Level
 Well Purpose Monitor Well

Remarks _____

DATE: 10/21/04

**Highlander
Environmental**

CLIENT: *Texaco Exploration & Production, Inc.*

PROJECT: *Eunice (South) Plant*

LOCATION: *Lea County, New Mexico*

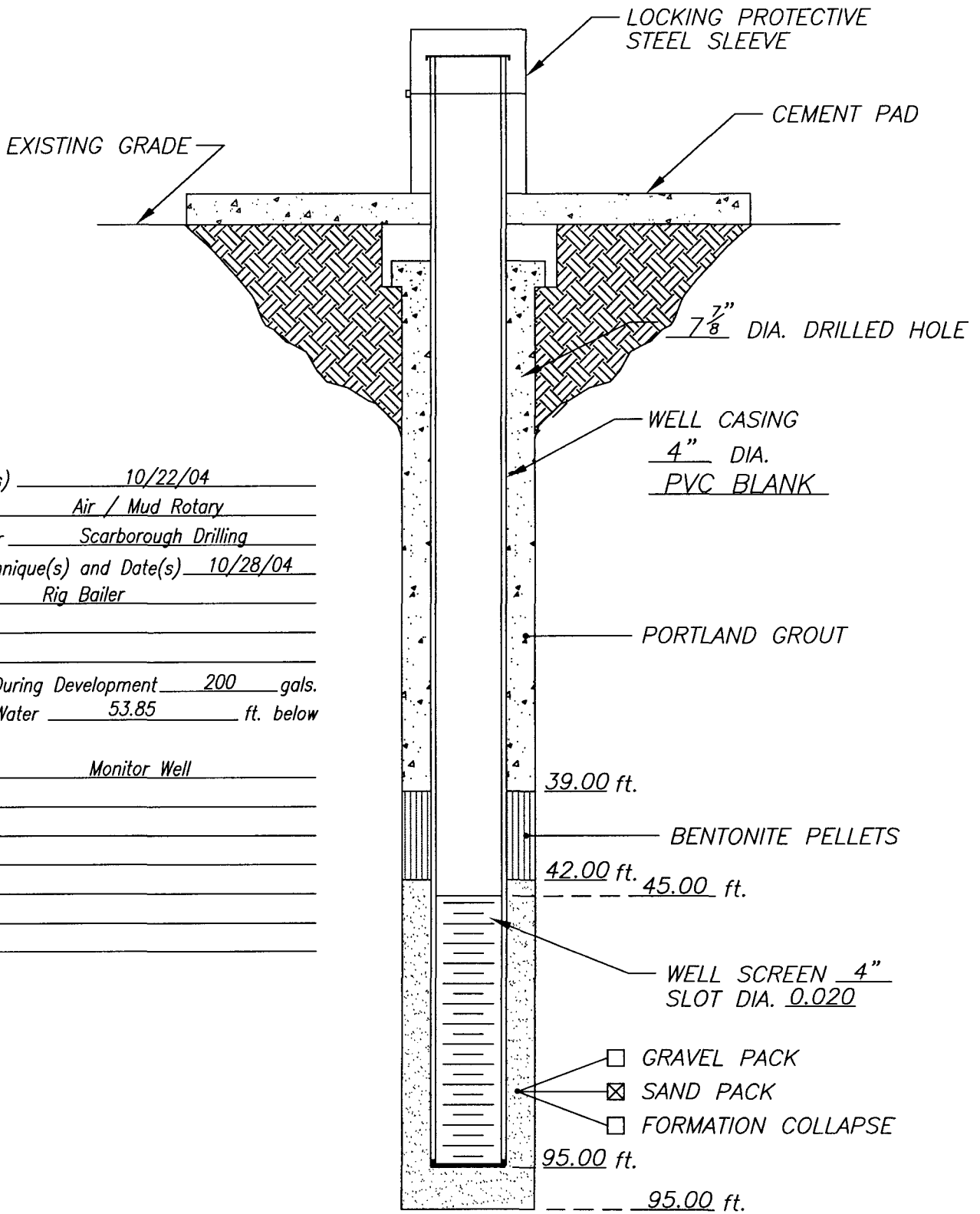
WELL NO.

MWD-16

Boring/Well: MWD-17
Site Location: South Eunice Gas Plant
Location: Eunice, New Mexico
Total Depth: 95'
Date Installed: 10/22/04

DEPTH (Ft)	SAMPLE DESCRIPTION
0-10	Tan, dense layer, white caliche, trace gray staining from 2-3'
10-20	Tan, dense layer white caliche and sand
20-40	Tan, fine grain sand, dense layers of cemented sandstone, trace of caliche
40-50	Tan, fine grain sand, loose, trace of cemented sandstone layers
50-60	Tan, fine grain sand, loose, trace of cemented sandstone layers
60-70	Tan, fine grain sand, loose, trace of sandy clay
70-80	Tan, fine grain sand and gravel, loose, dense layer of cemented sandstone
80-85	Tan, fine grain sand, loose
85-90	Gravel and sandy clay and gravel
90-95	Greenish-yellowish clay, some gravel, cemented sandstone layer
	TD - 95'

WELL CONSTRUCTION LOG



Installation Date(s) 10/22/04
Drilling Method Air / Mud Rotary
Drilling Contractor Scarborough Drilling
Development Technique(s) and Date(s) 10/28/04
Rig Bailer

Water Removed During Development 200 gals.
Static Depth to Water 53.85 ft. below
Ground Level
Well Purpose Monitor Well

Remarks _____

DATE: 10/22/04

*Highlander
Environmental*

CLIENT: *Texaco Exploration & Production, Inc.*

PROJECT: *Eunice (South) Plant*

LOCATION: *Lea County, New Mexico*

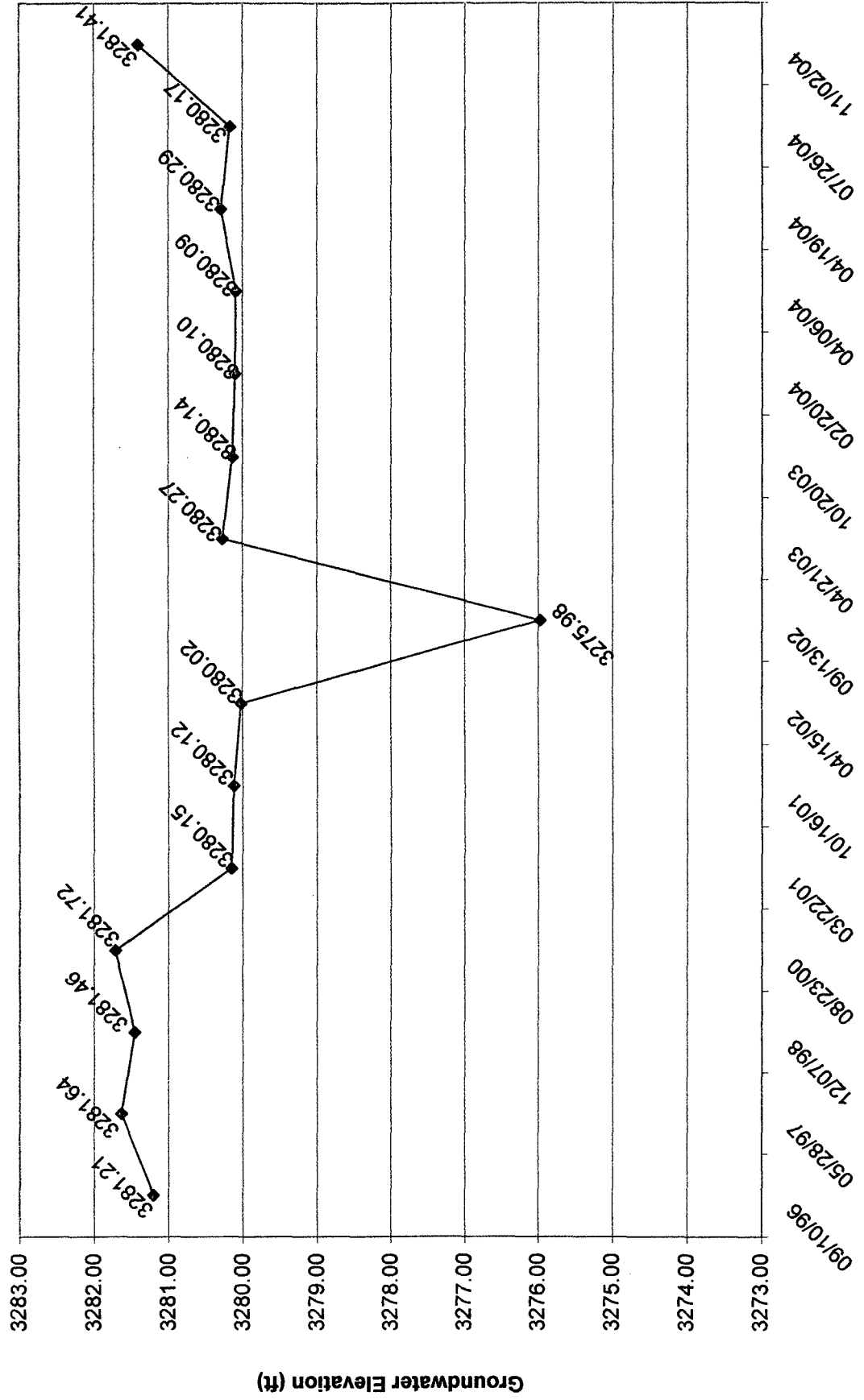
WELL NO.

MWD-17

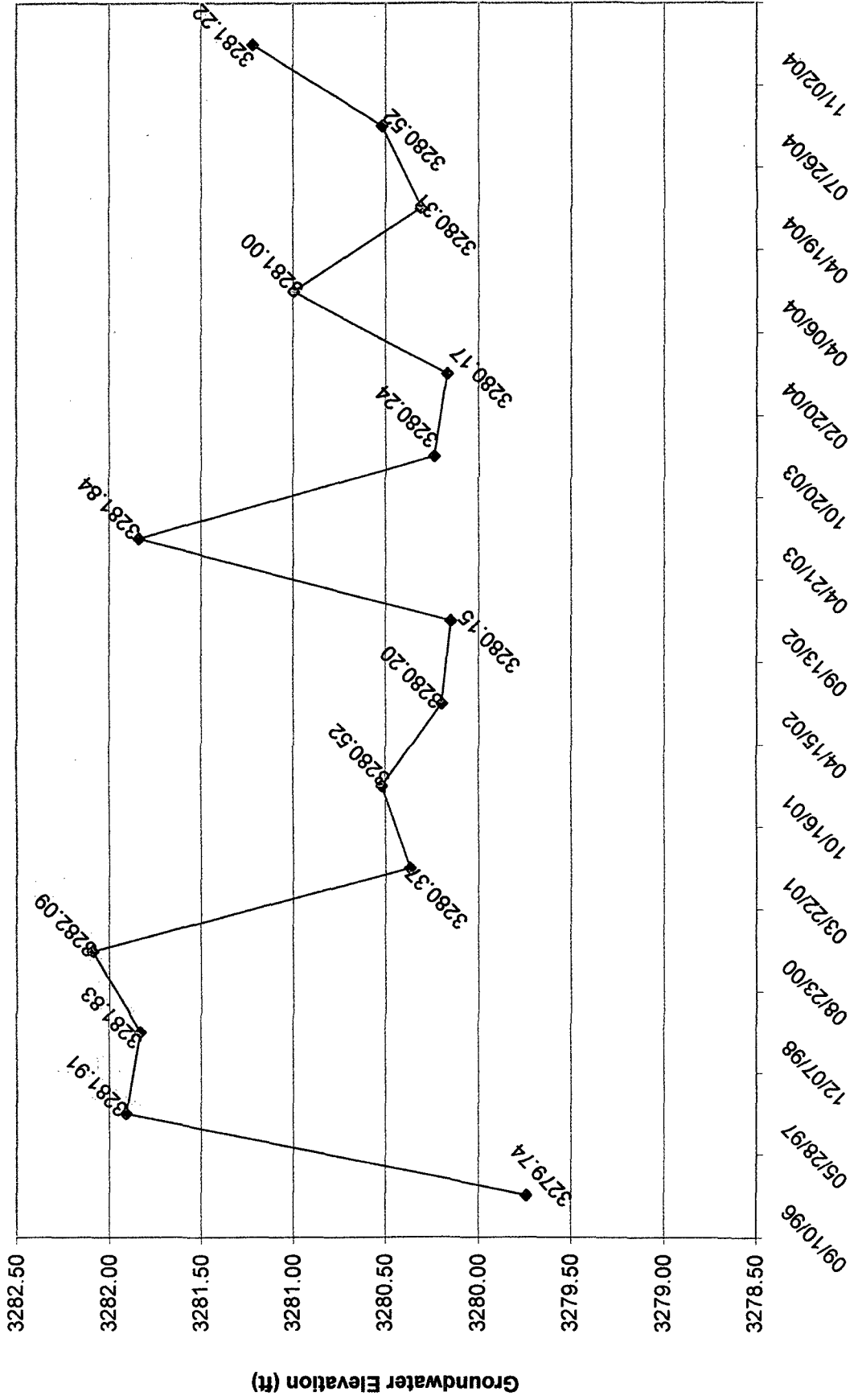
APPENDIX D

Hydrographs

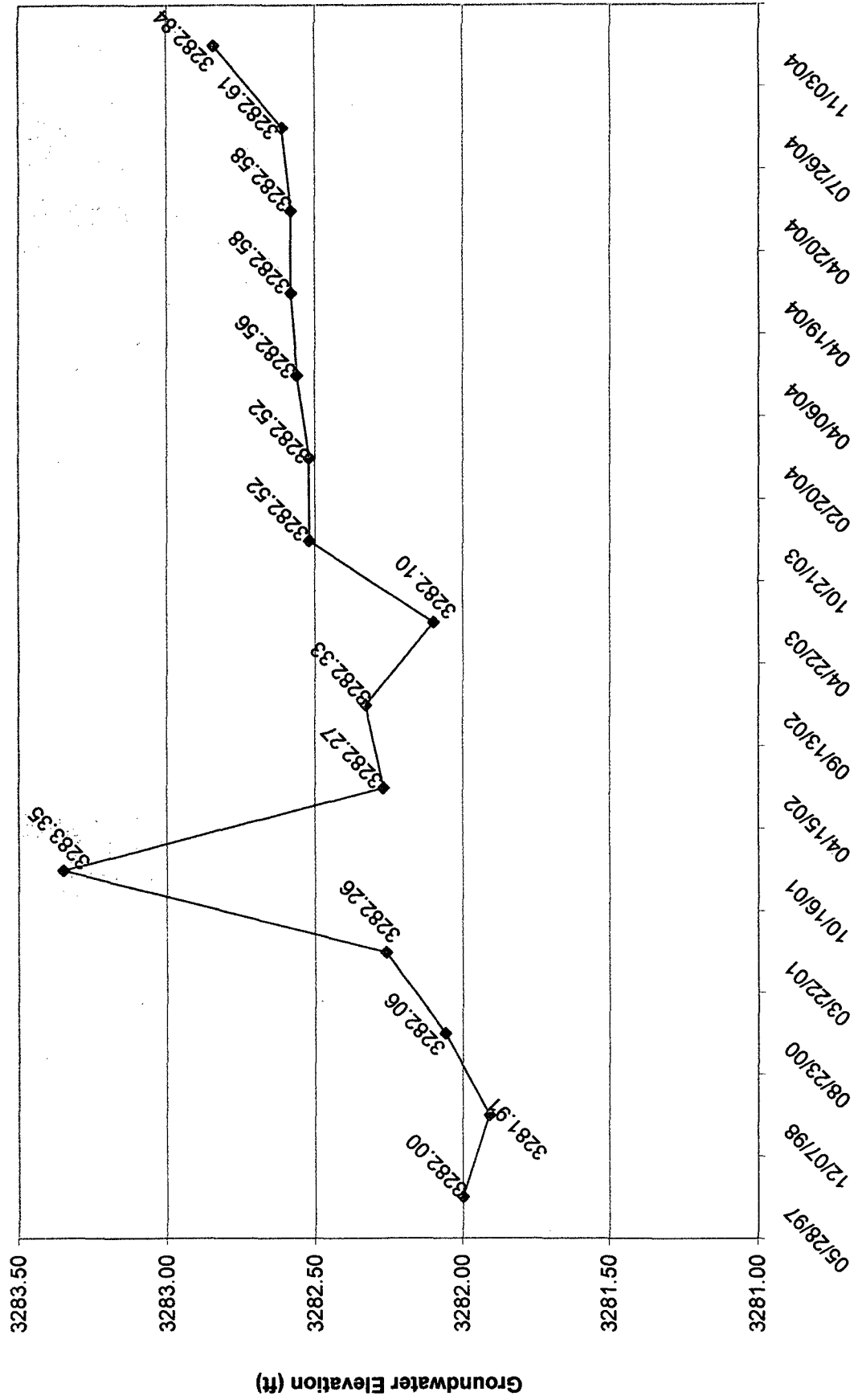
MW-1 Hydrograph



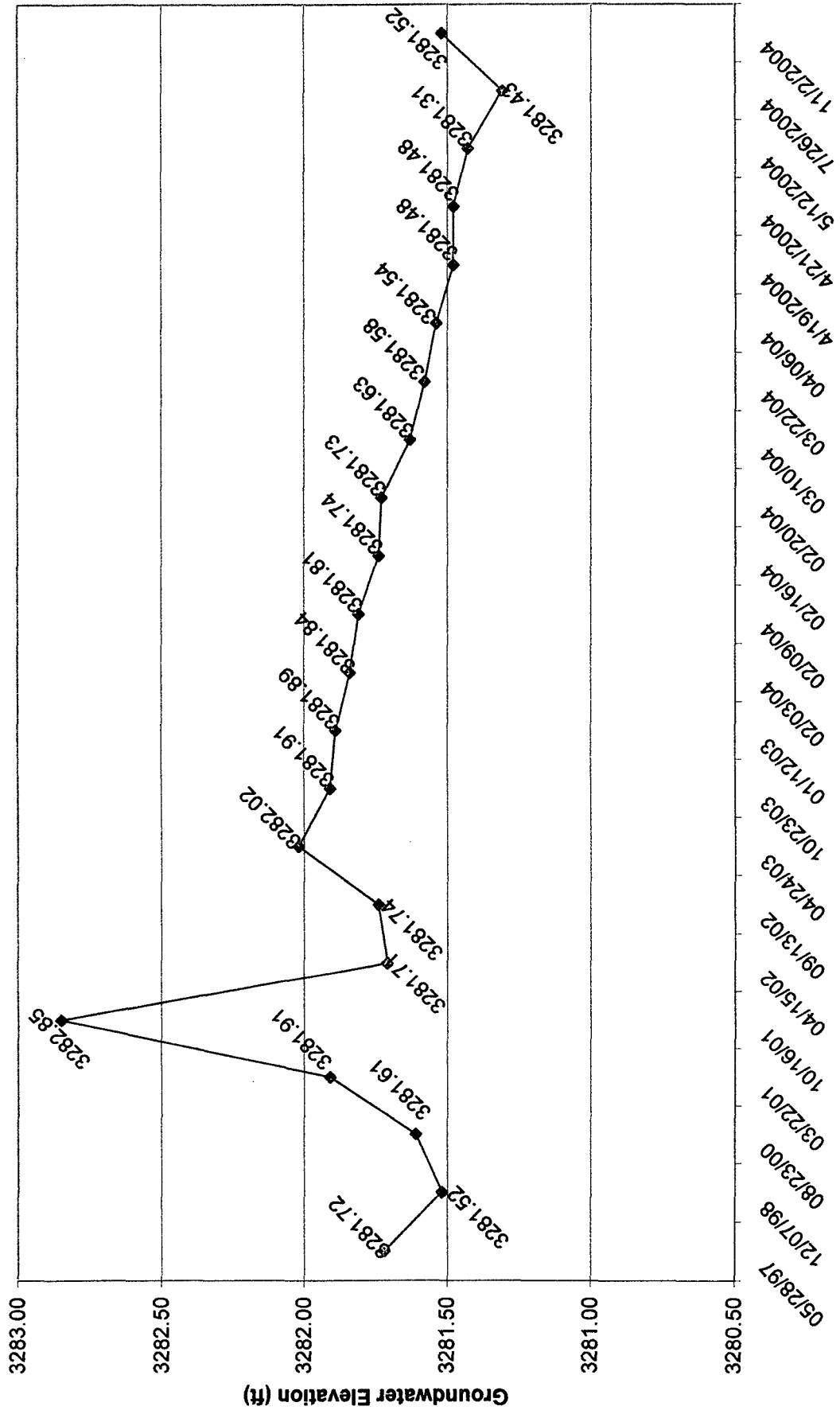
MW-2 Hydrograph



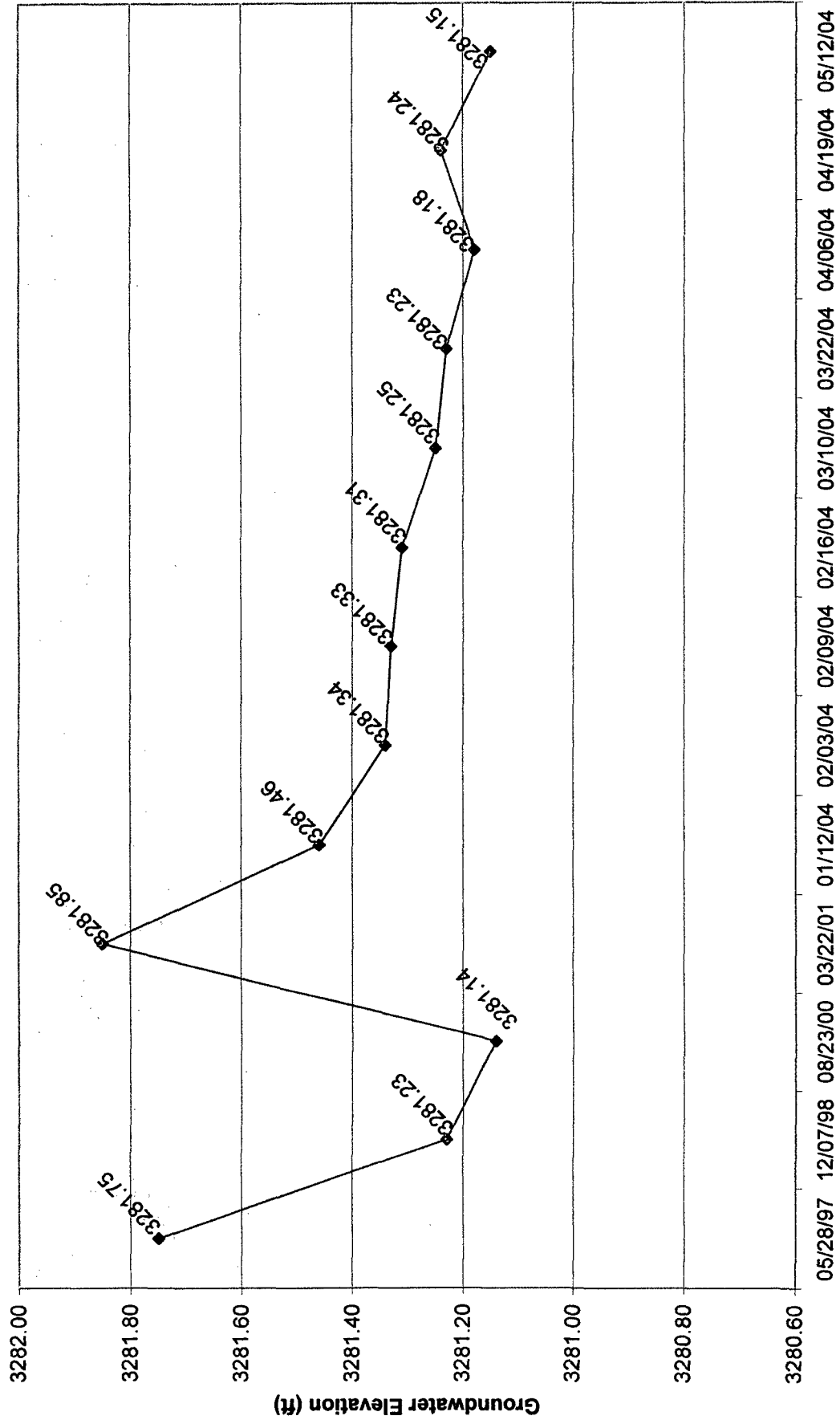
MW-3 Hydrograph



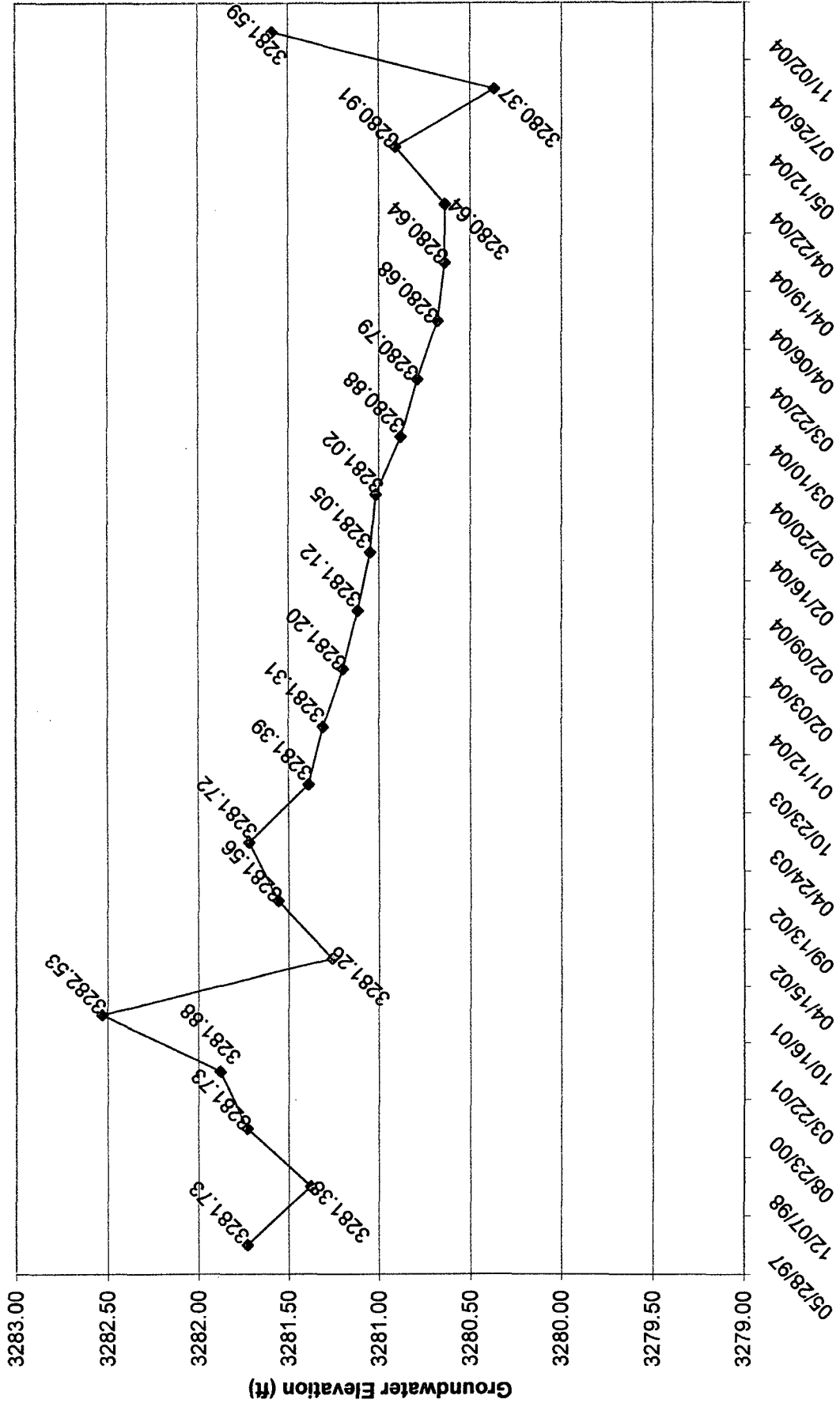
MW-4 Hydrograph



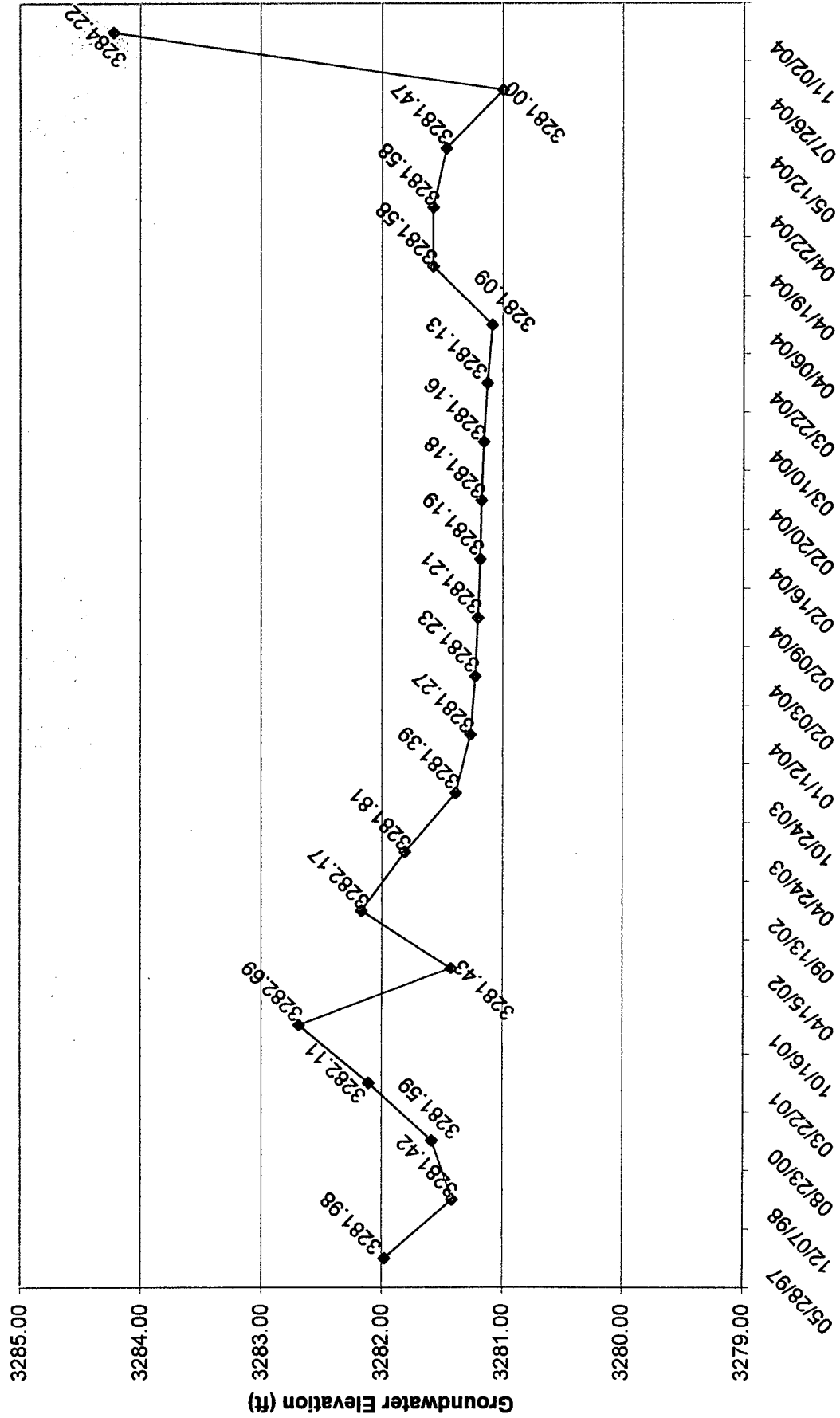
MW-5 Hydrograph



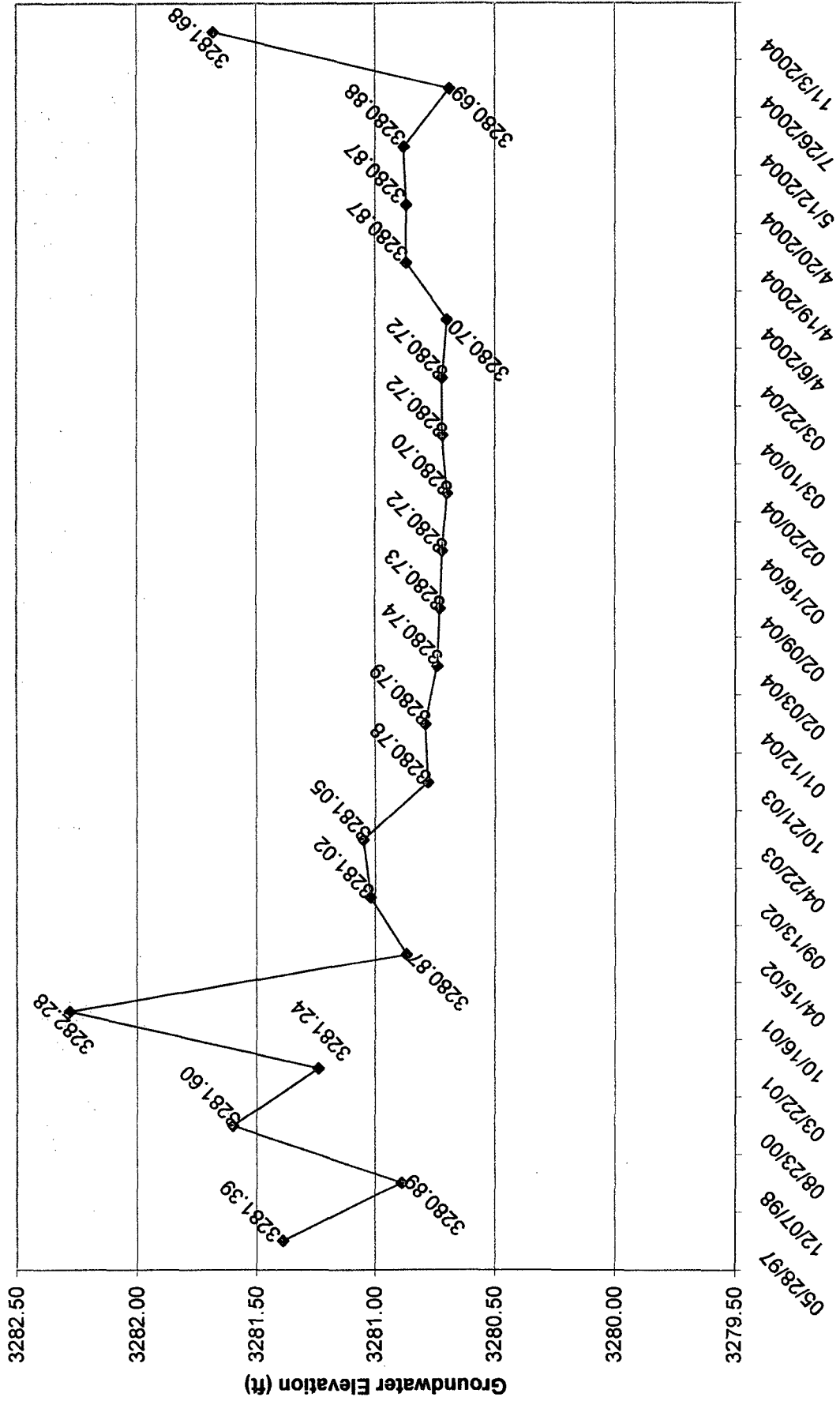
MW-6 Hydrograph



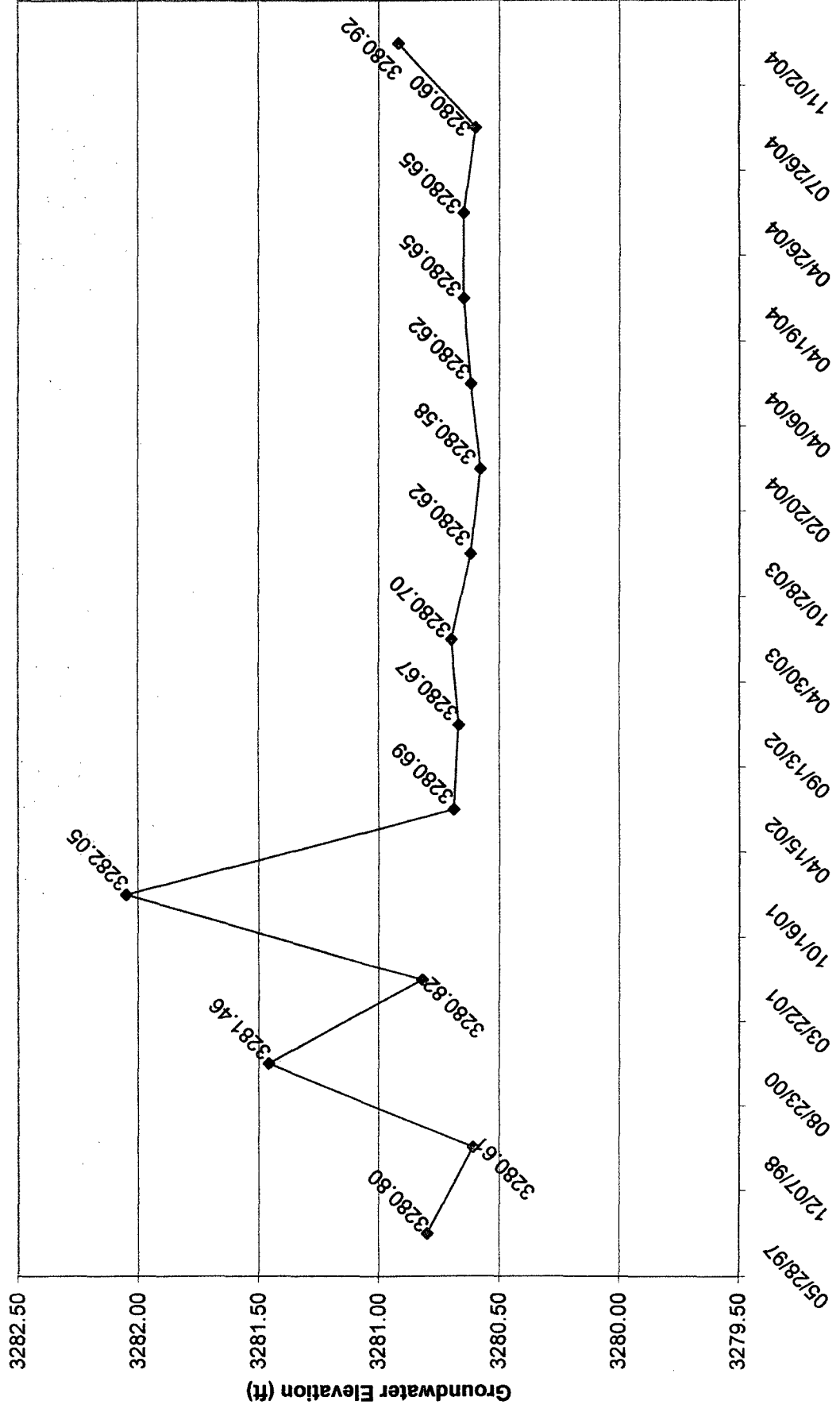
MW-7 Hydrograph



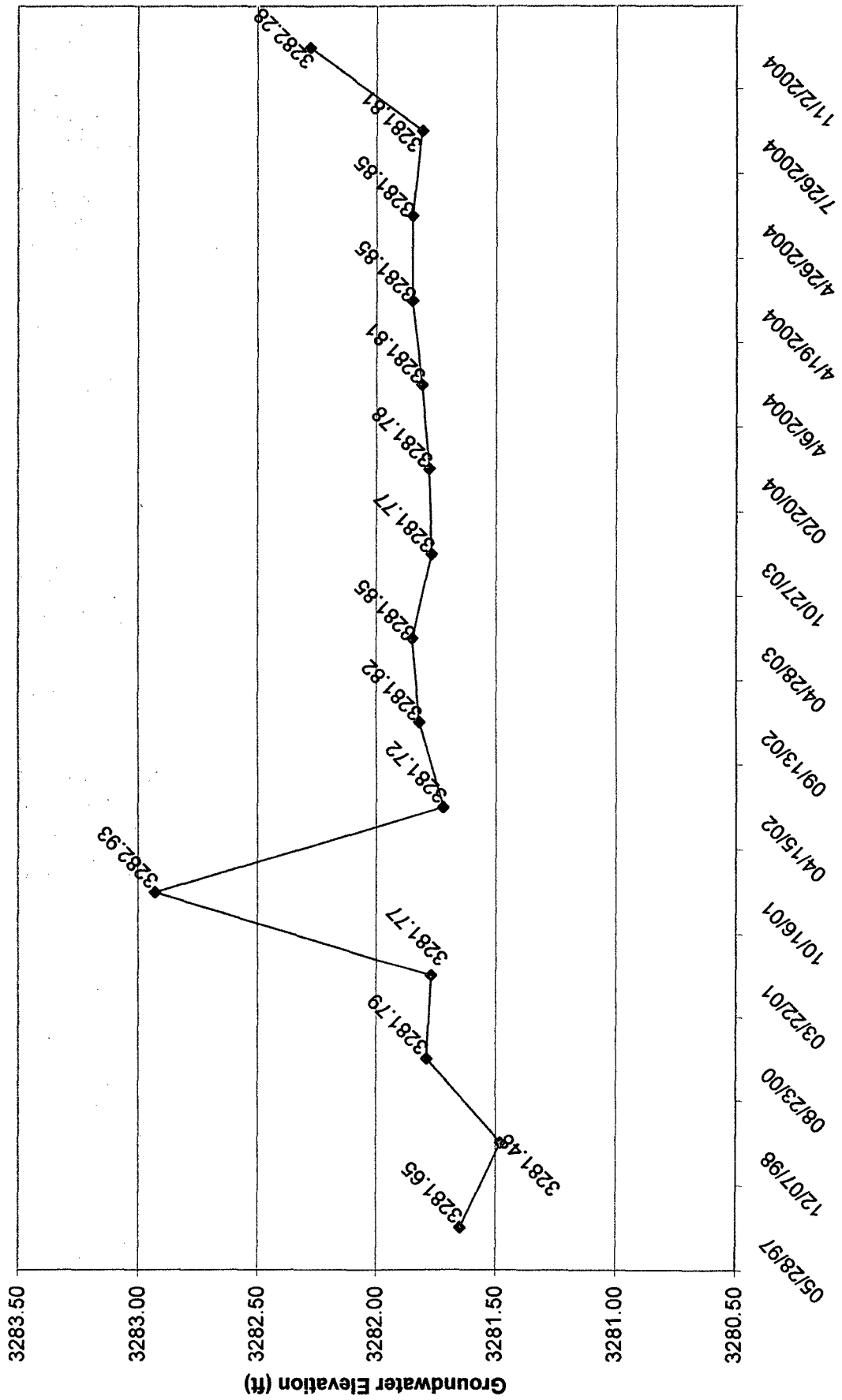
MW-8 Hydrograph



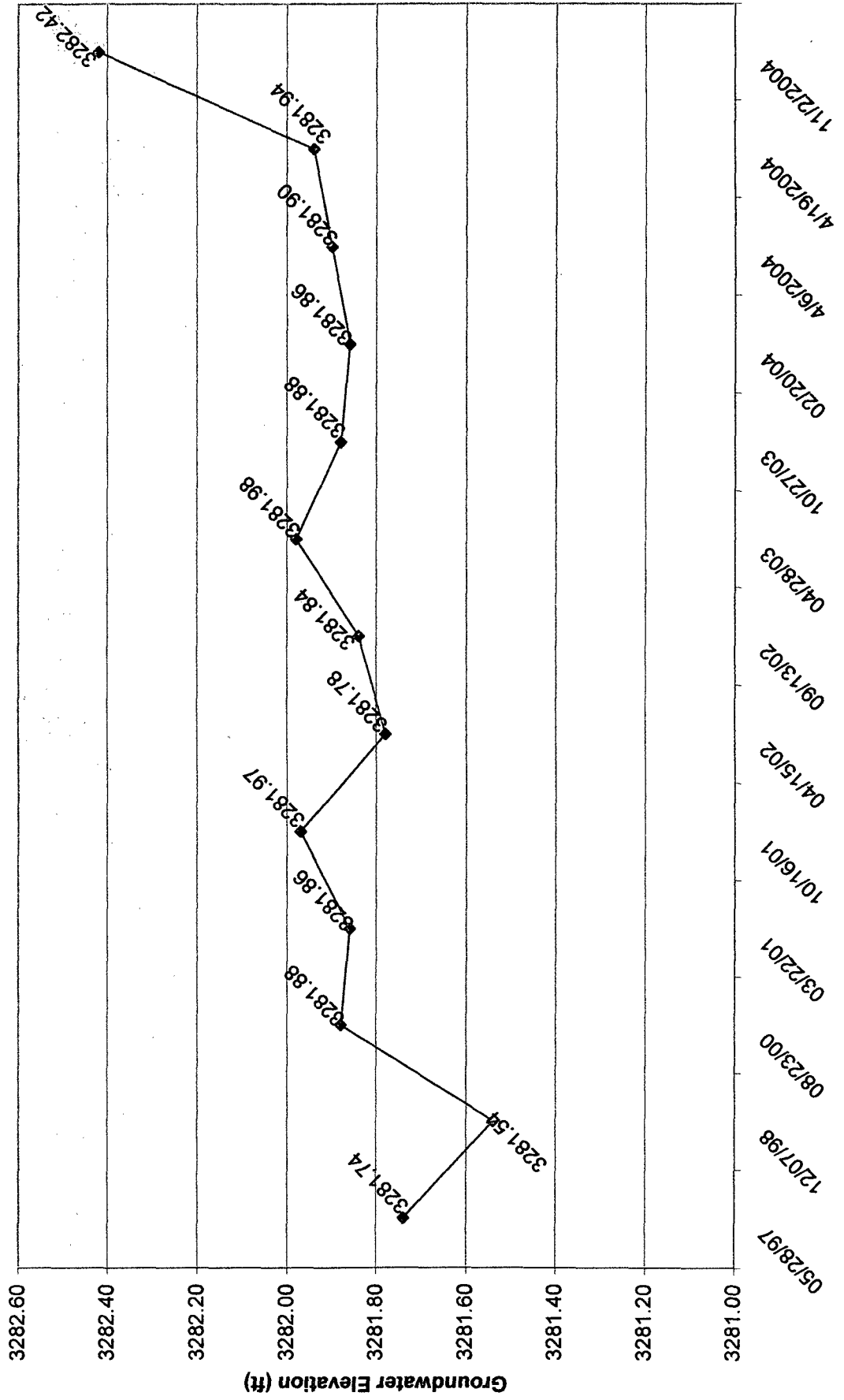
MW-9 Hydrograph



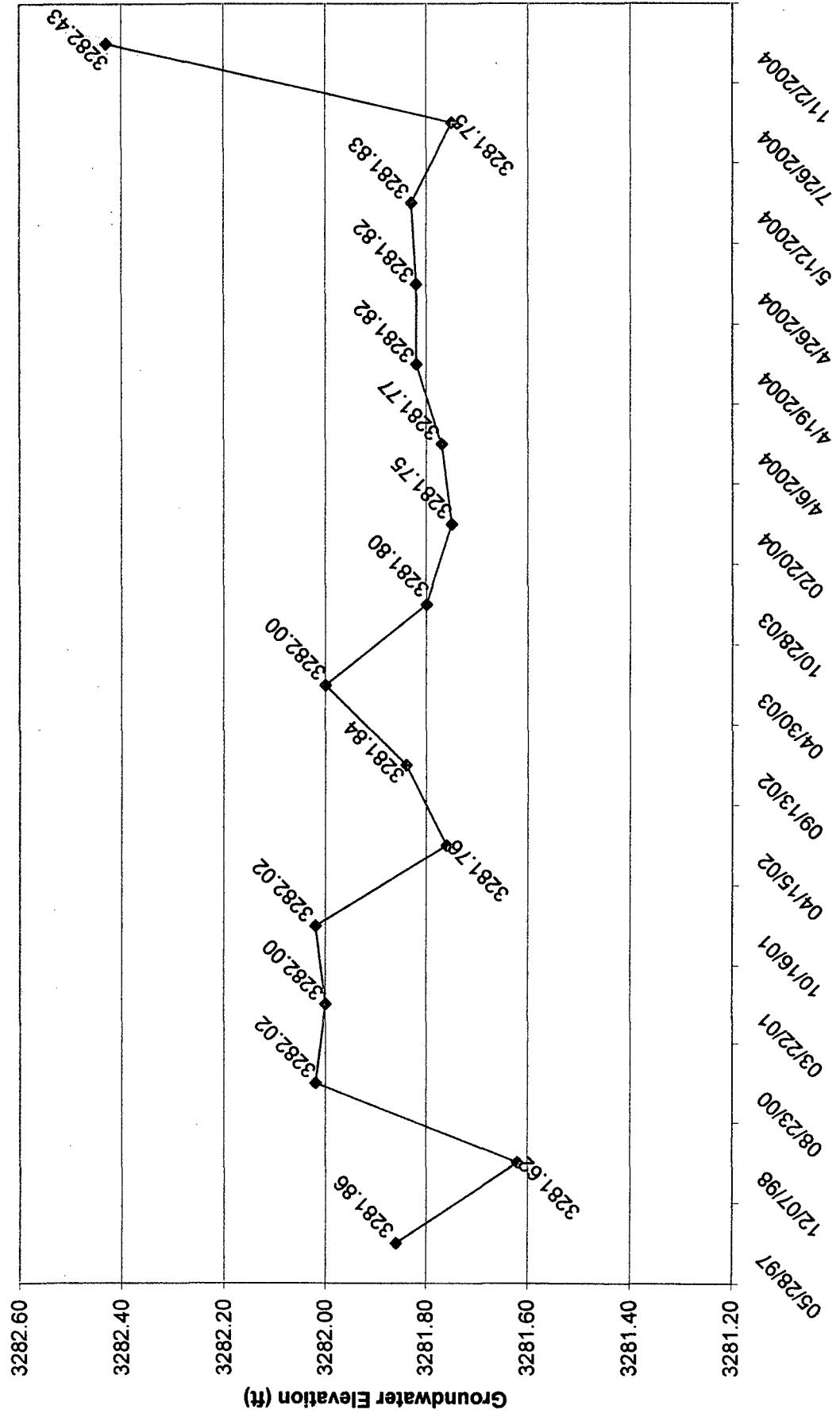
MW-10 Hydrograph



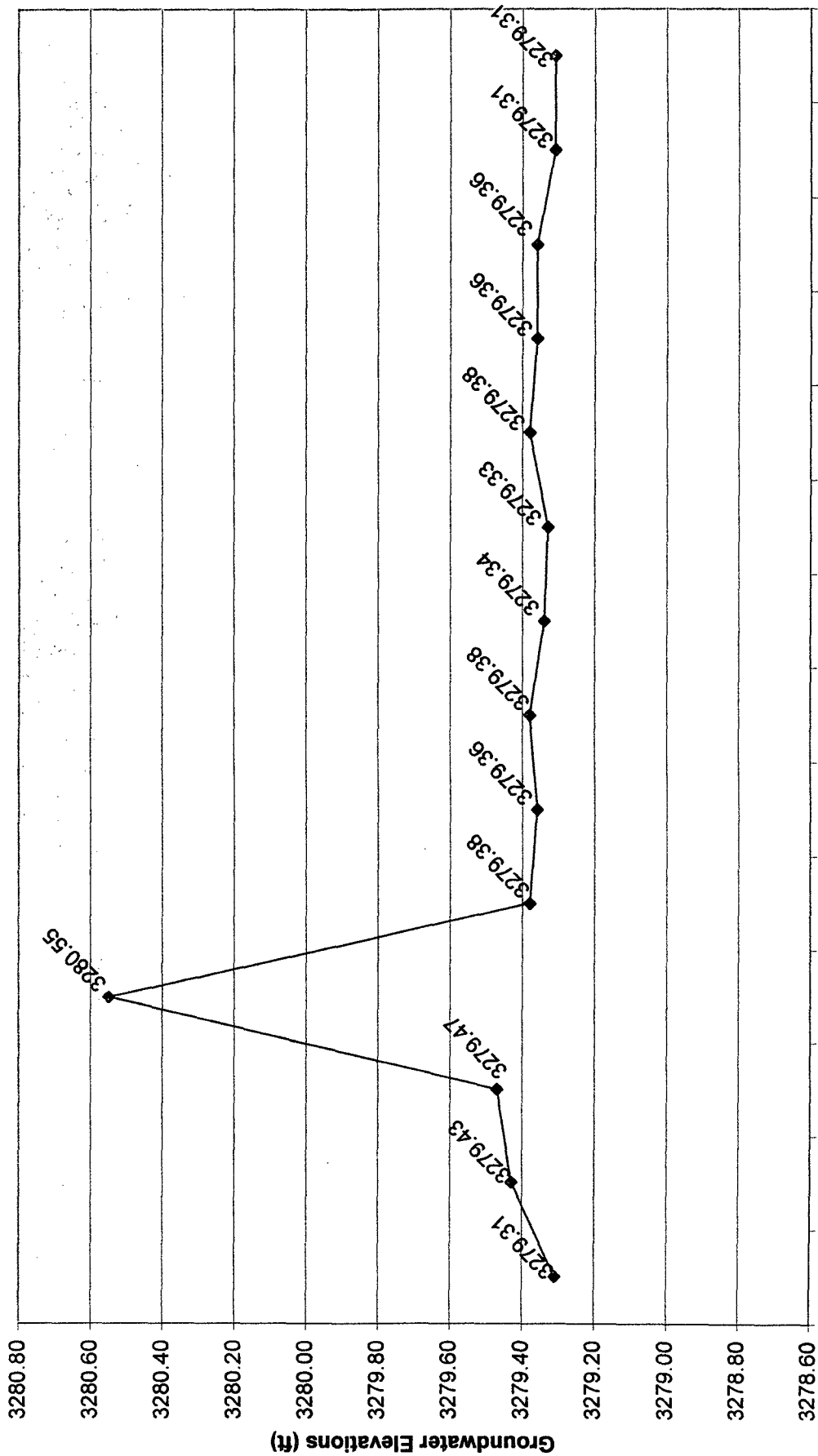
MW-11 Hydrograph



MW-12 Hydrograph

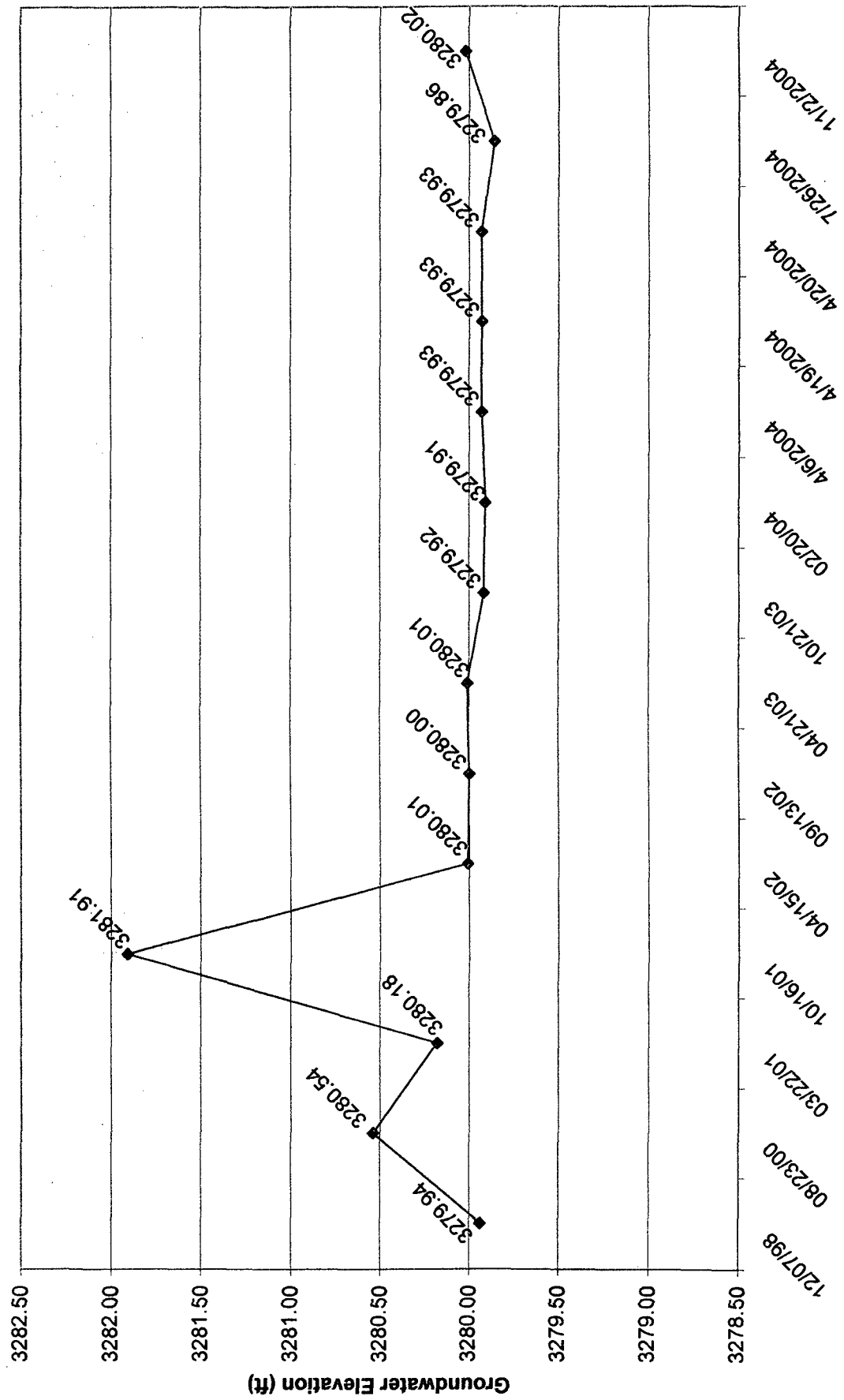


MW-13 Hydrograph

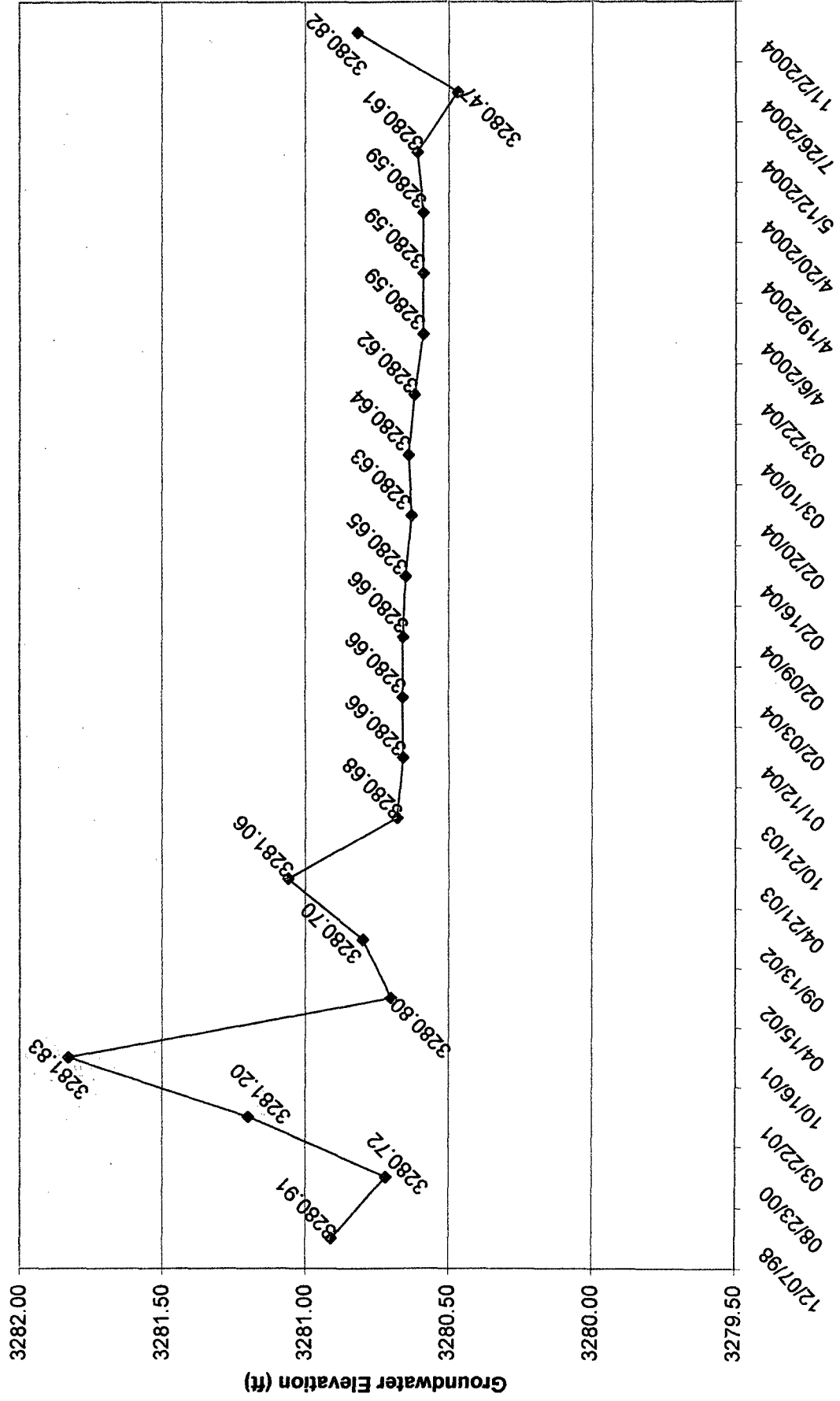


12/07/98 08/23/00 03/22/01 10/16/01 04/15/02 09/13/02 04/21/03 10/21/03 02/20/04 04/06/04 04/19/04 07/26/04 11/03/04

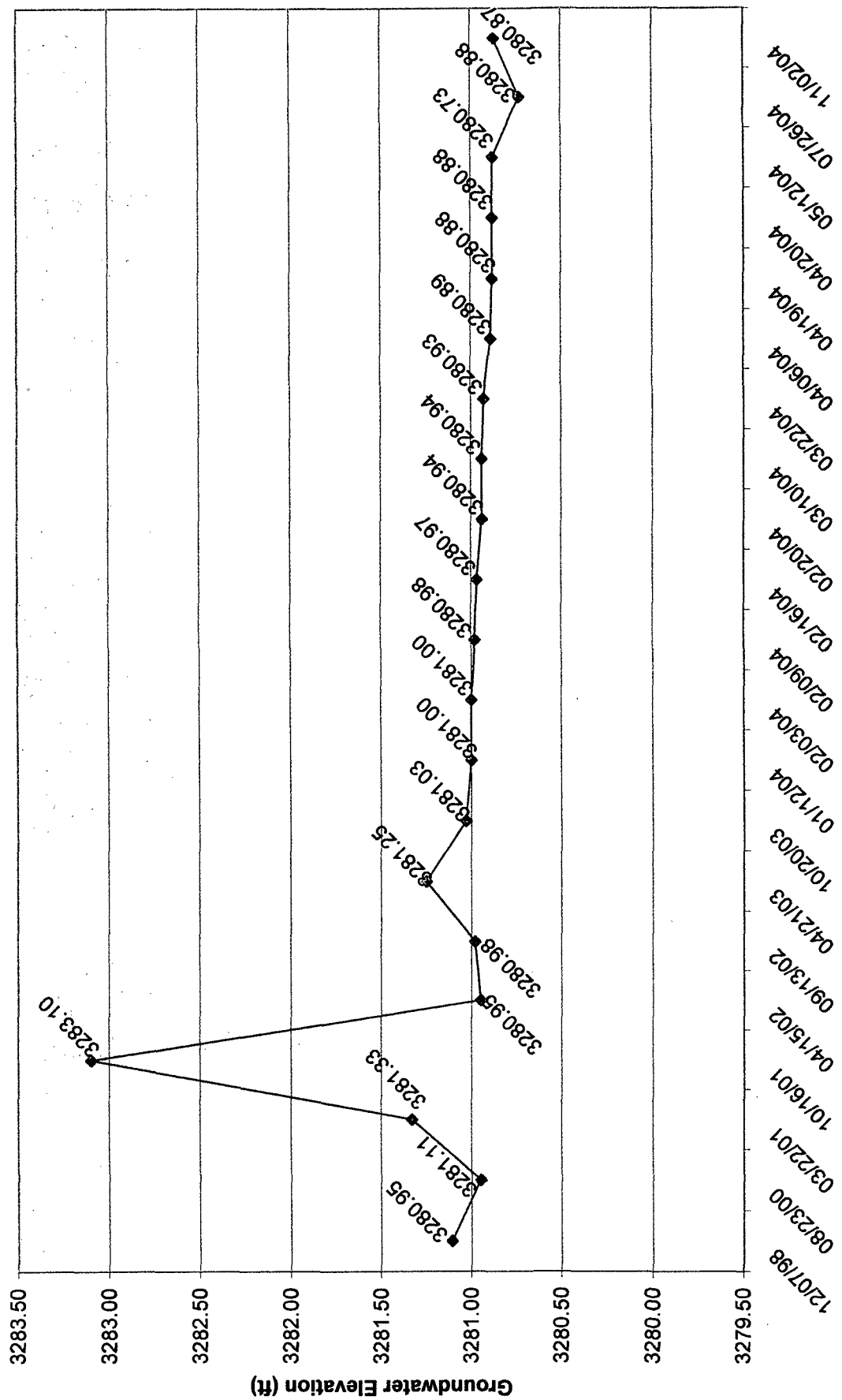
MW-14 Hydrograph



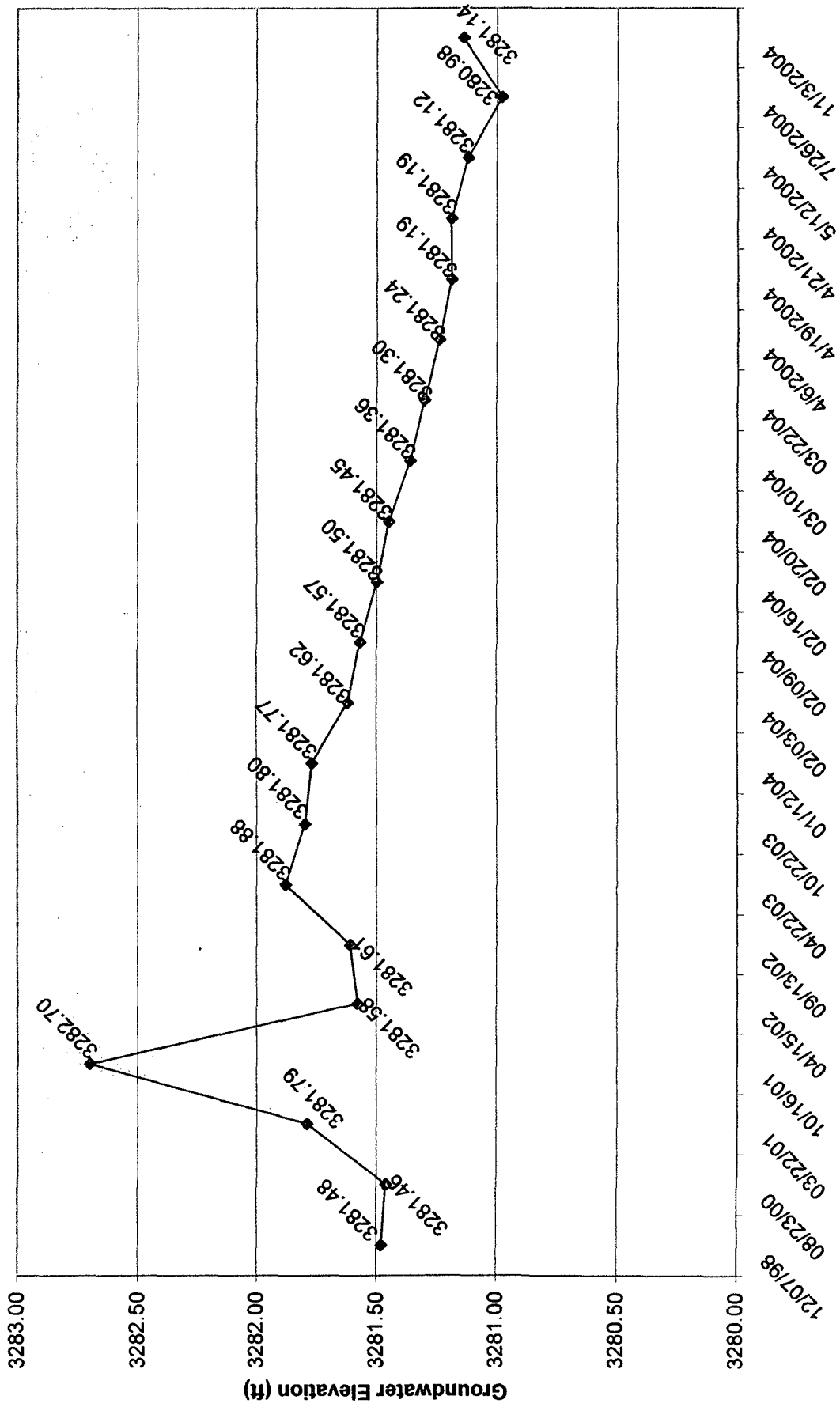
MW-15 Hyrdograph



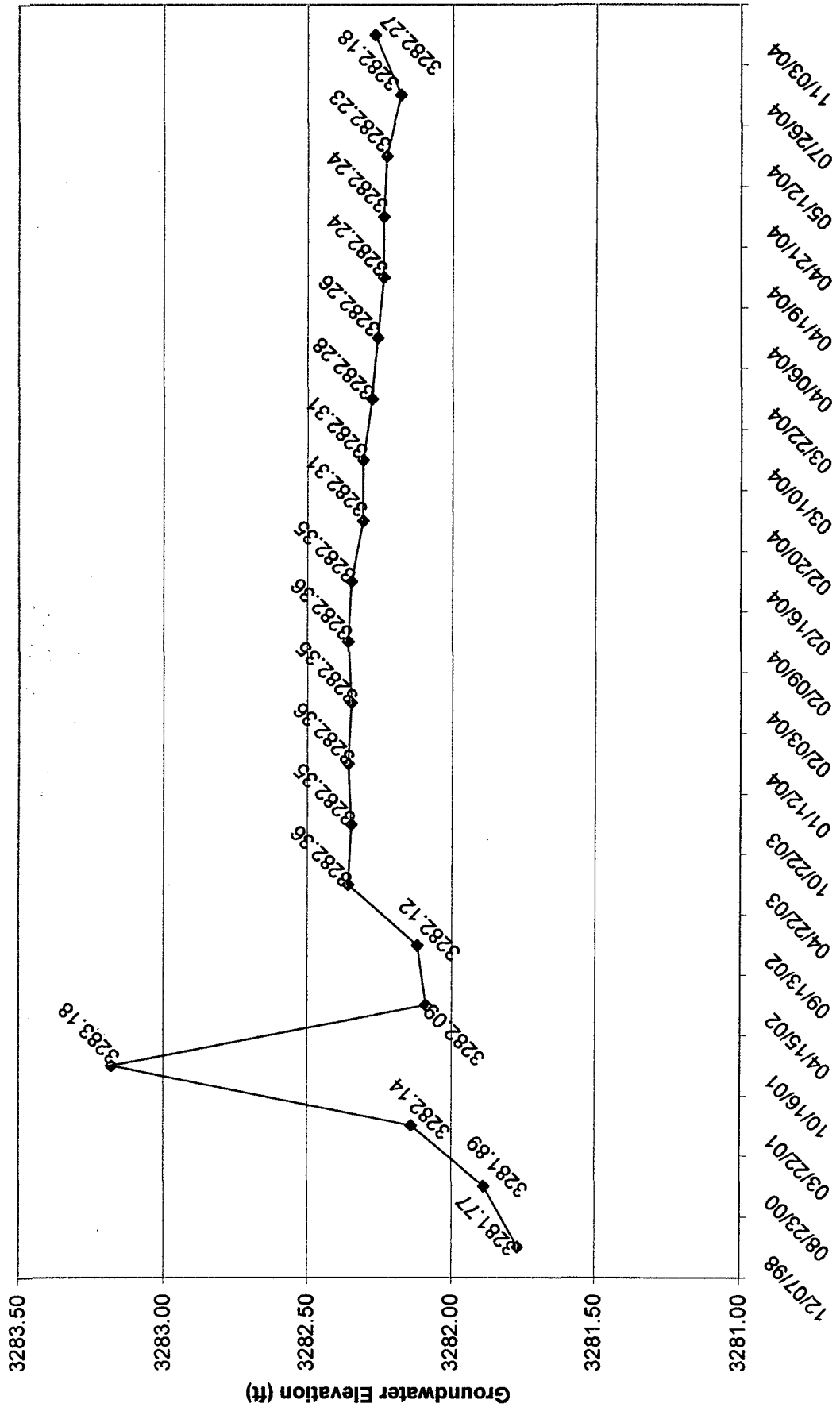
MW-16 Hydrograph



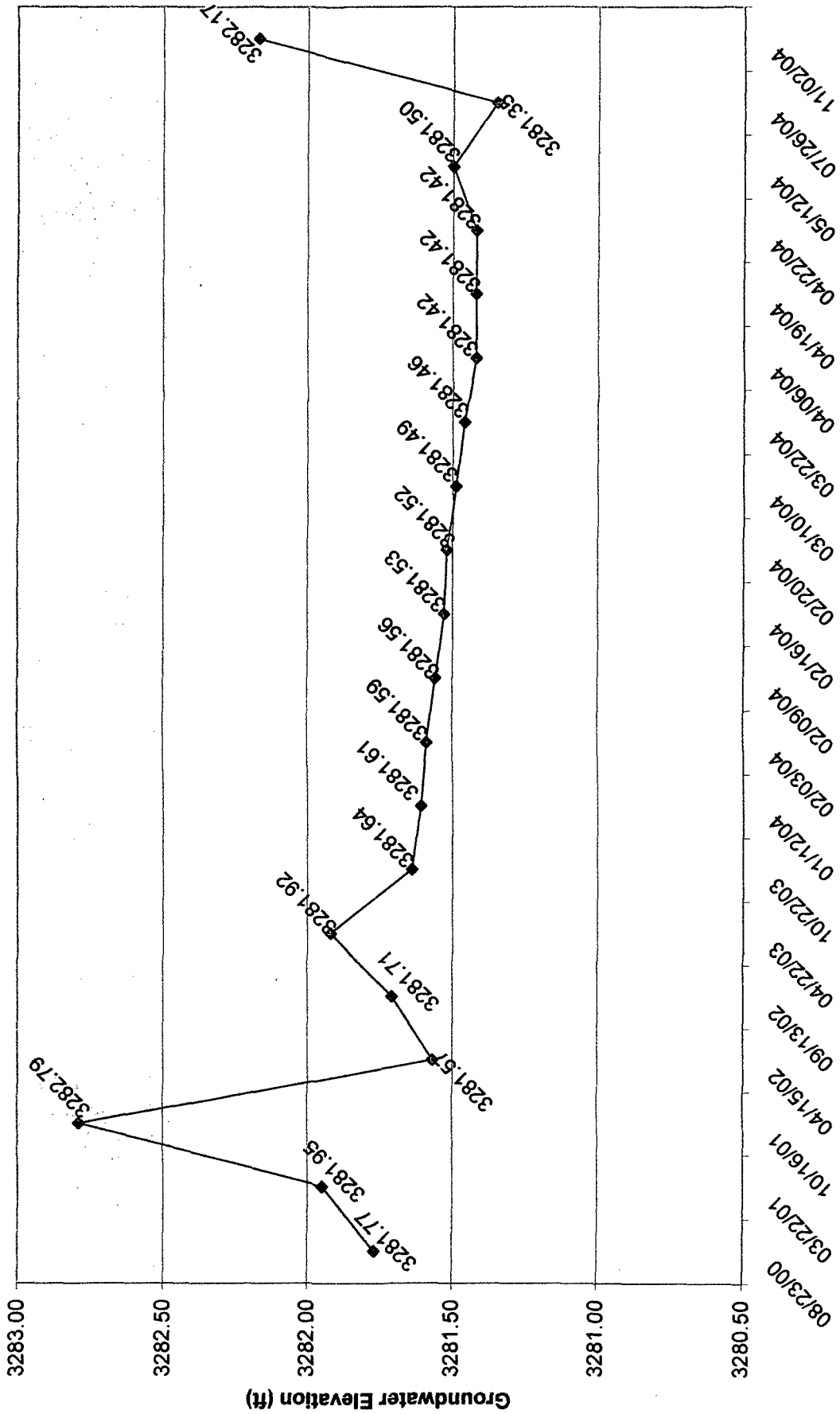
MW-17 Hydrograph



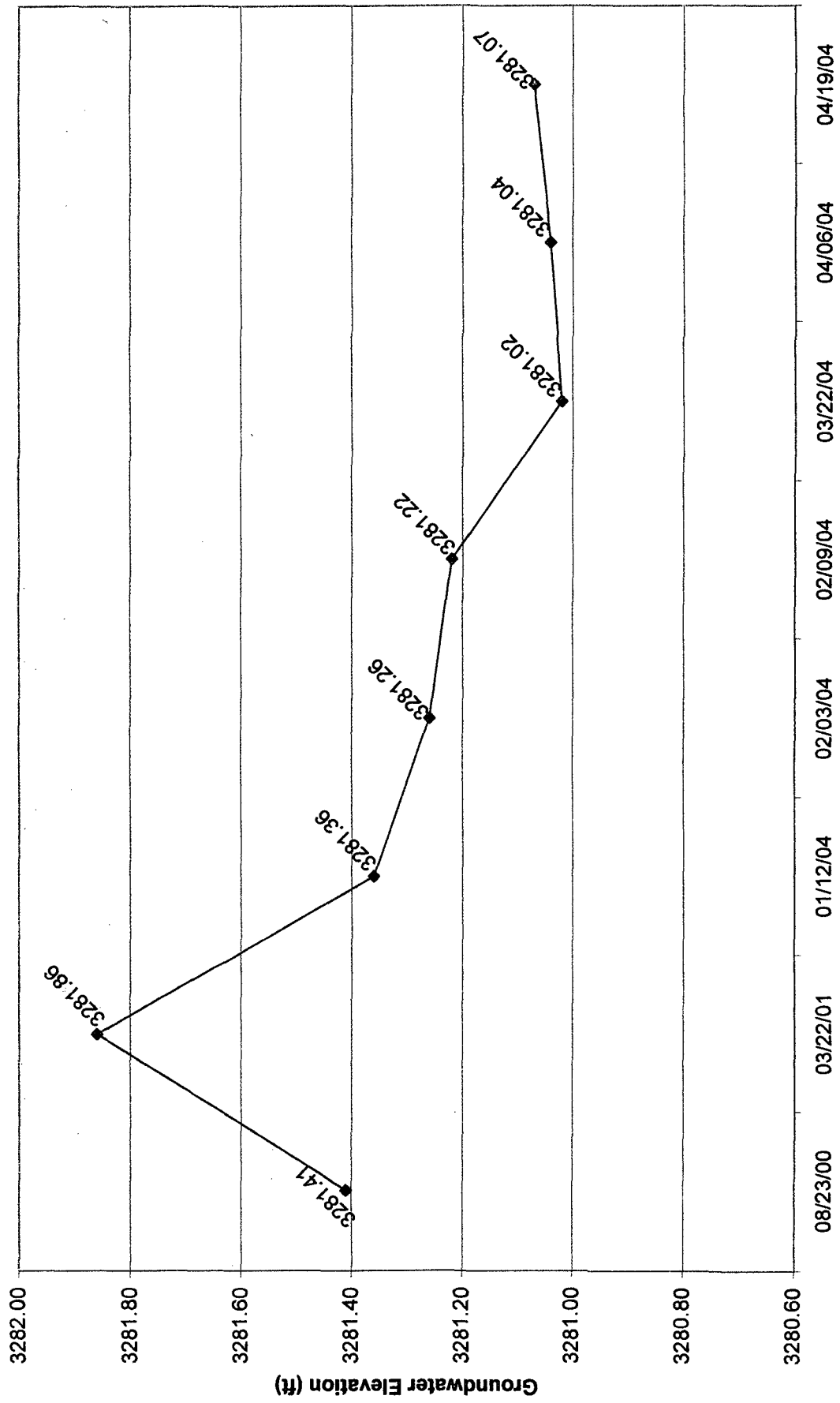
MW-18 Hydrograph



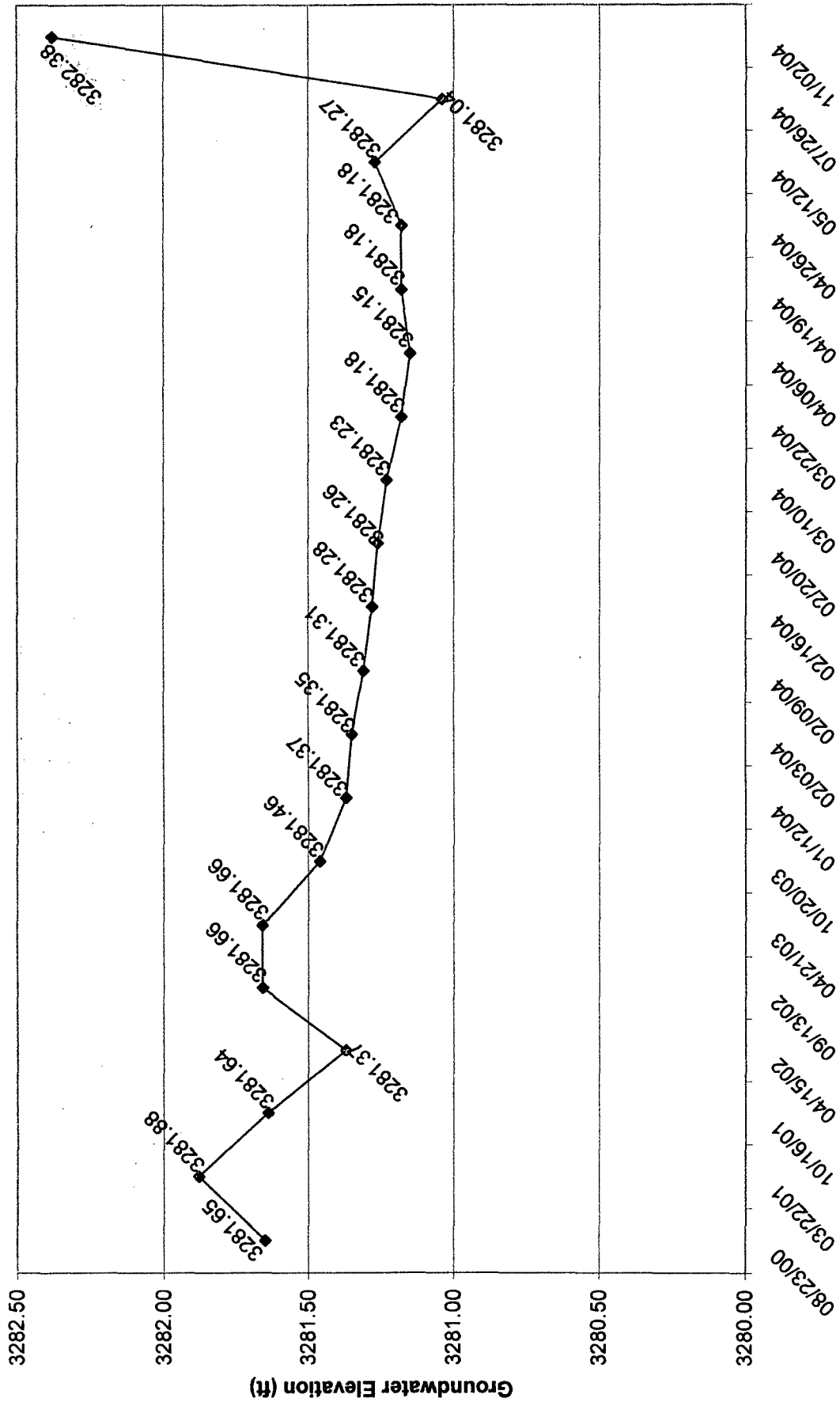
19-MW Hydrograph



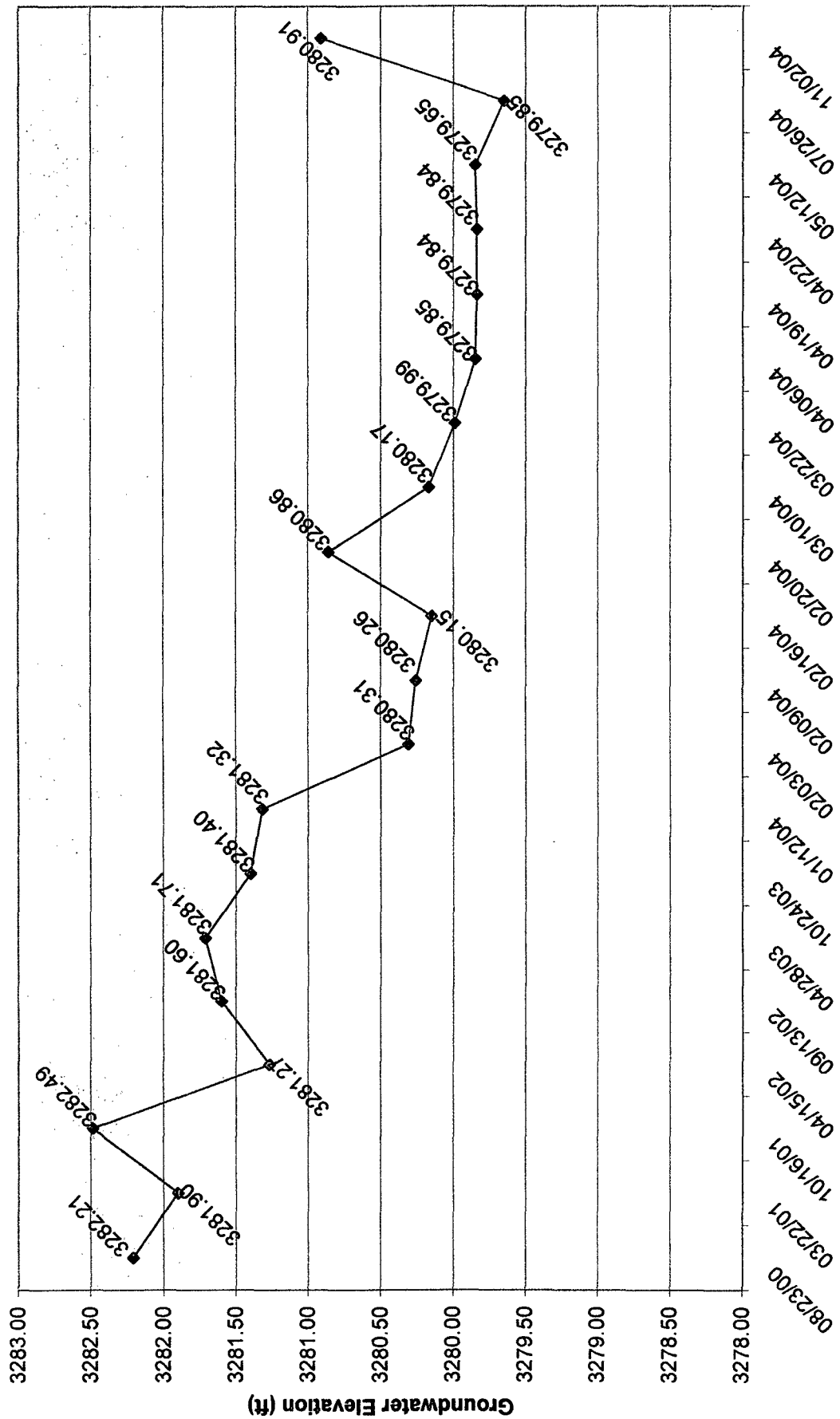
MW-20 Hydrograph



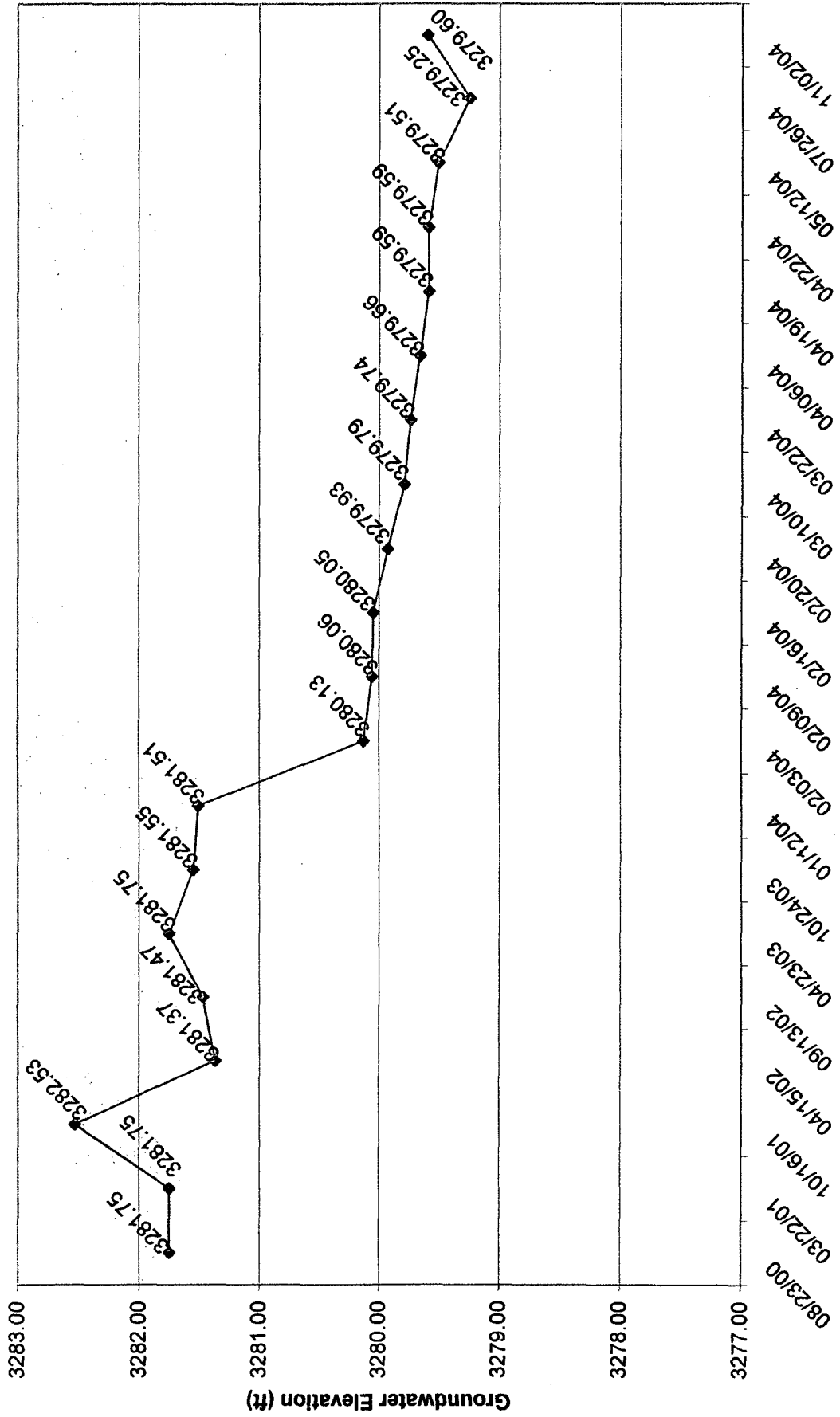
MW-21 Hydrograph



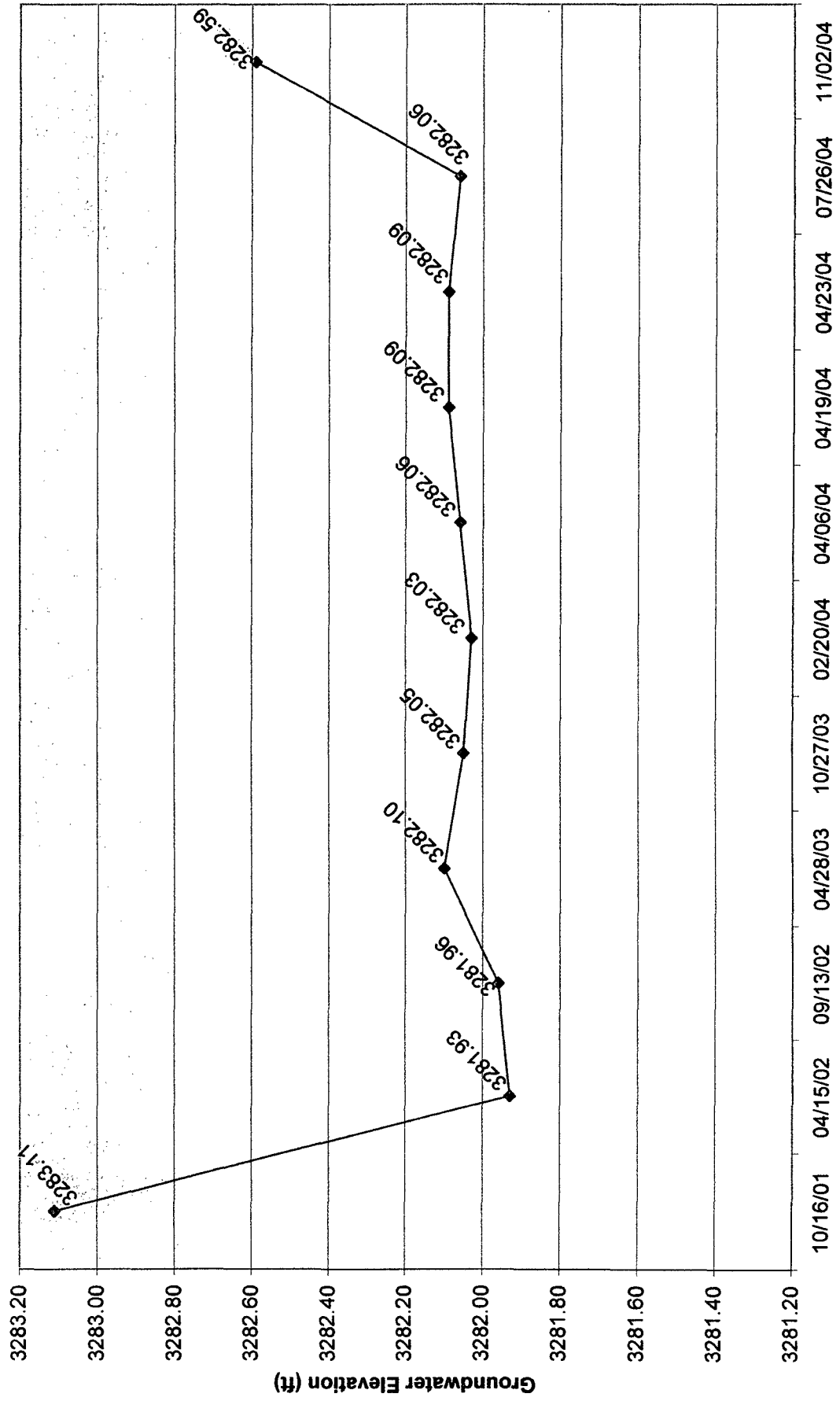
MW-22 Hydrograph



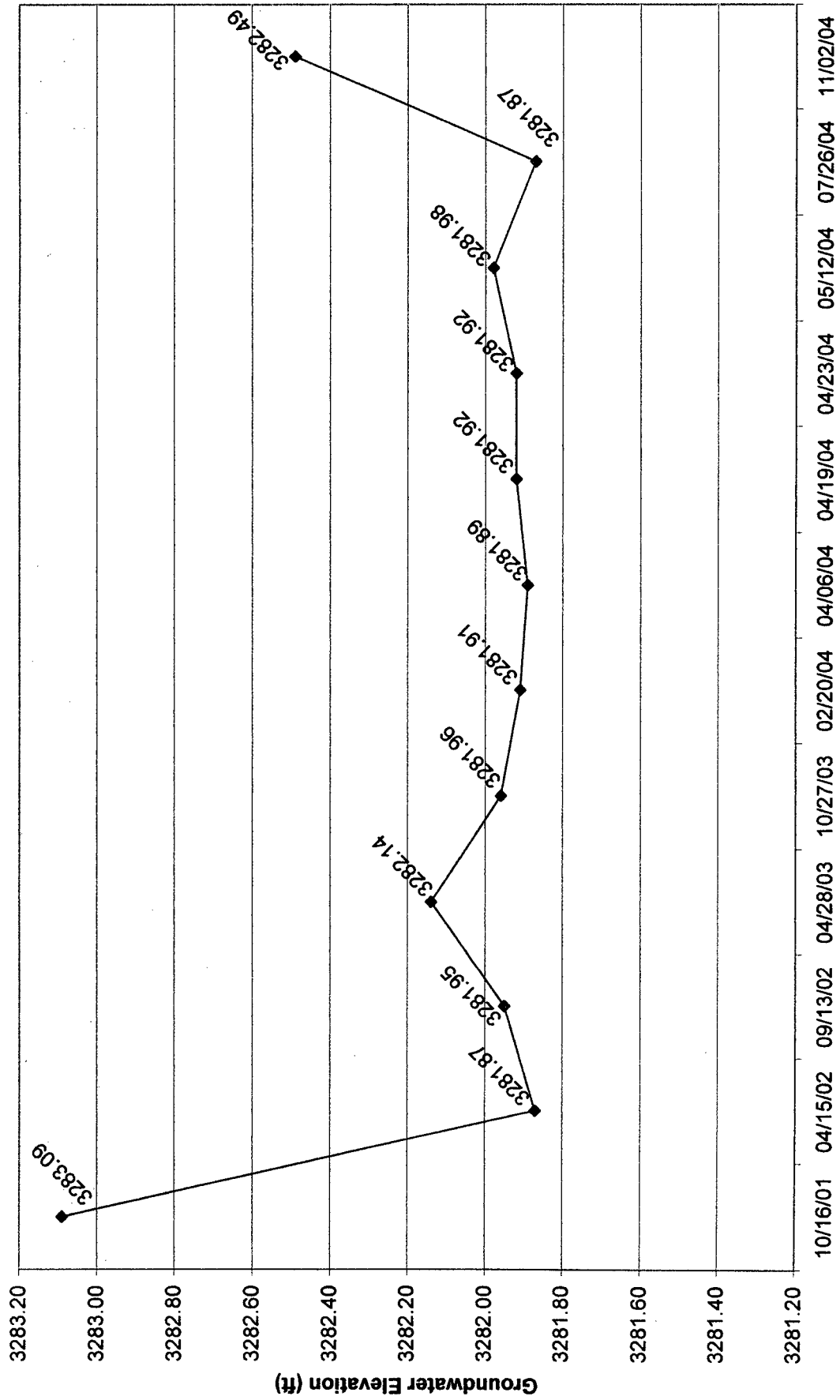
MW-23 Hydrograph



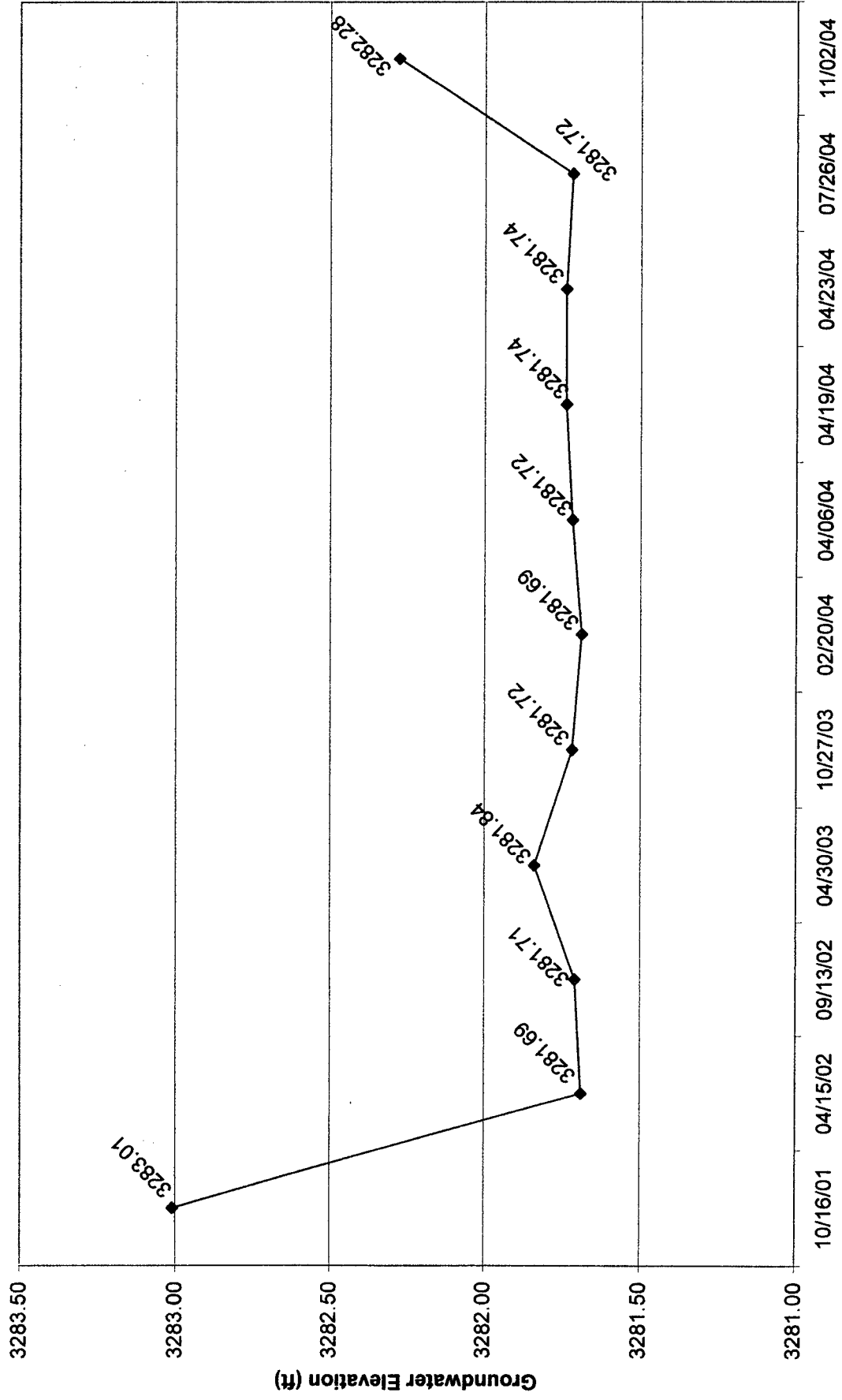
MW-24 Hydrograph



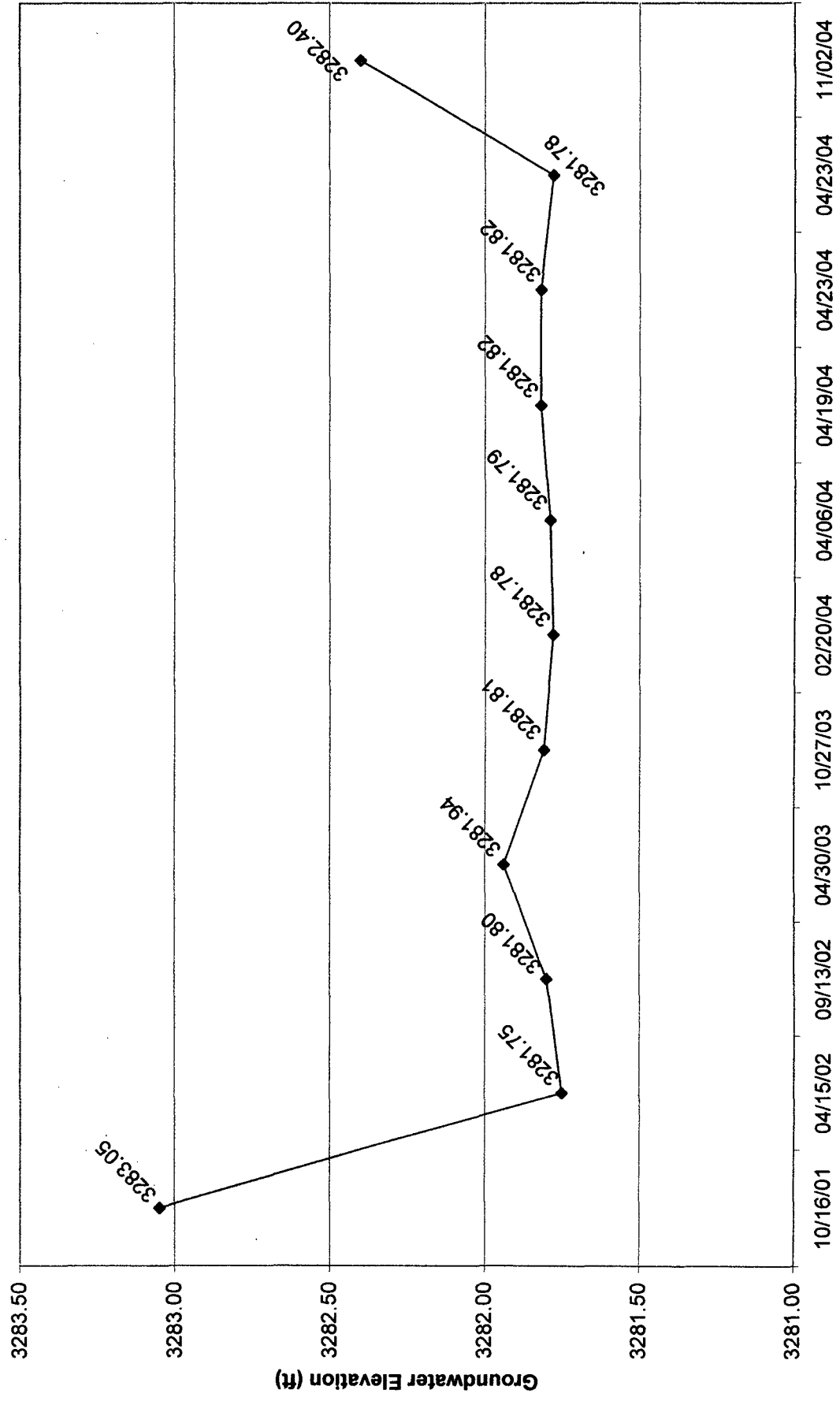
MW-25 Hydrograph



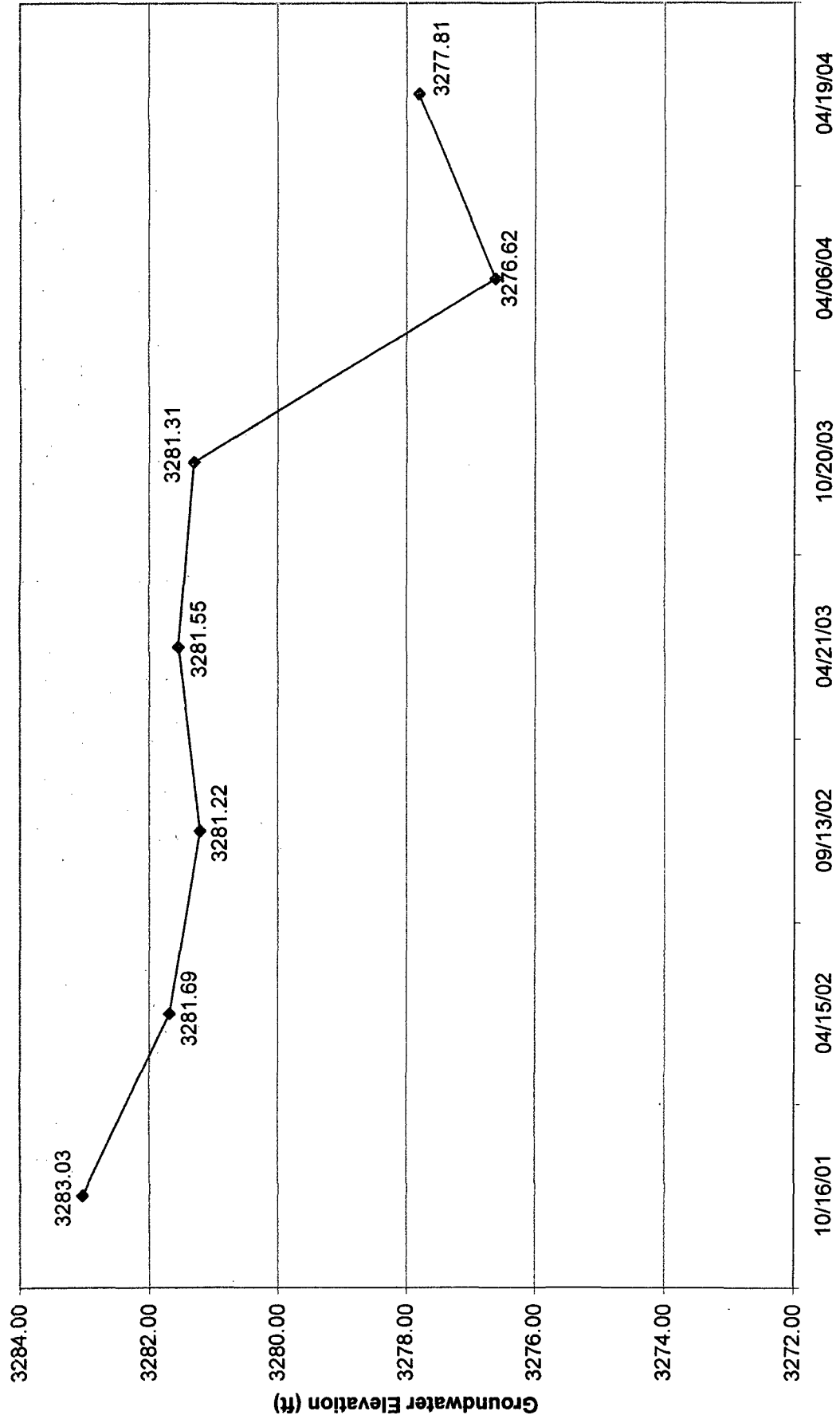
MW-26 Hydrograph



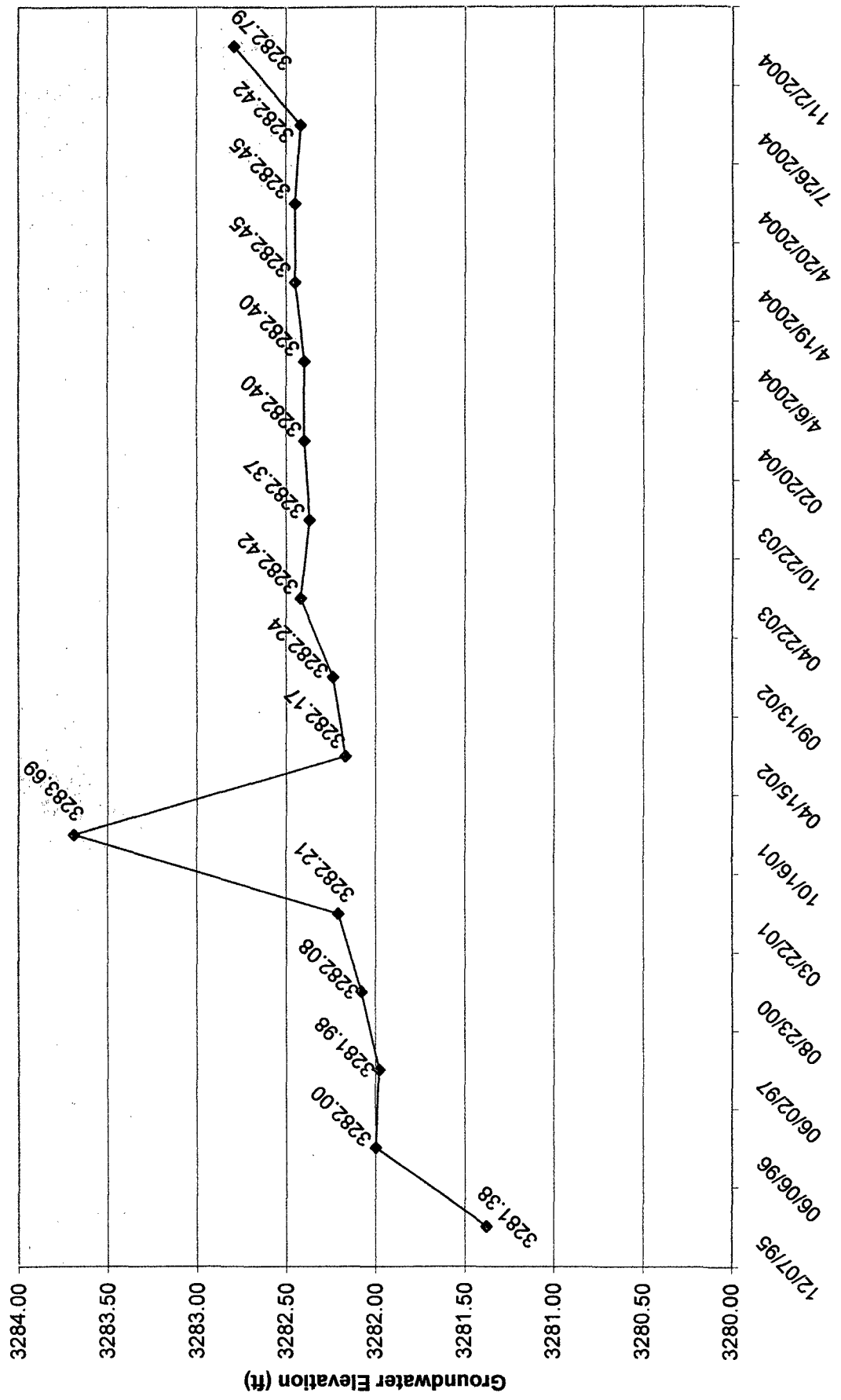
MW-27 Hydrograph



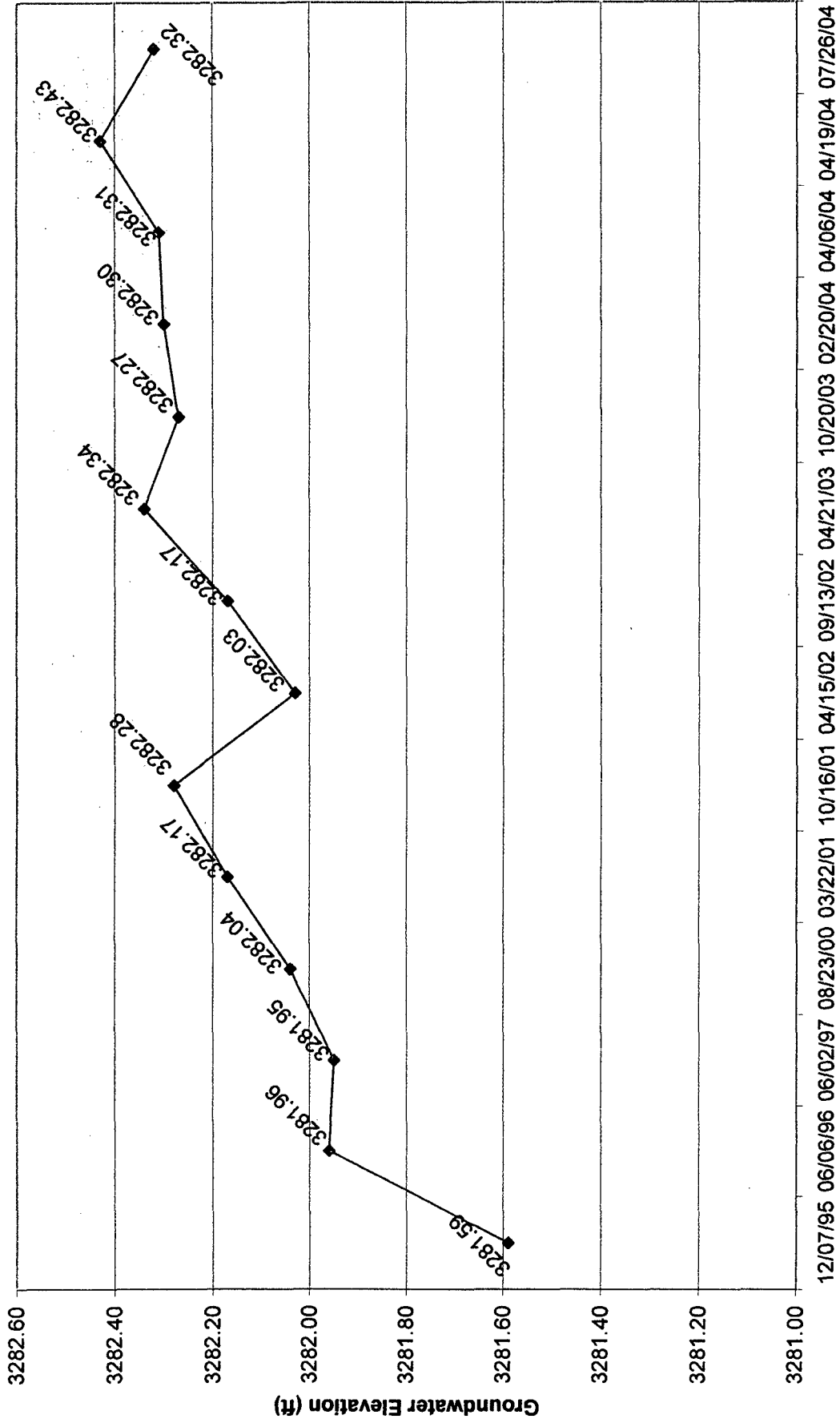
MW-28 Hydrograph



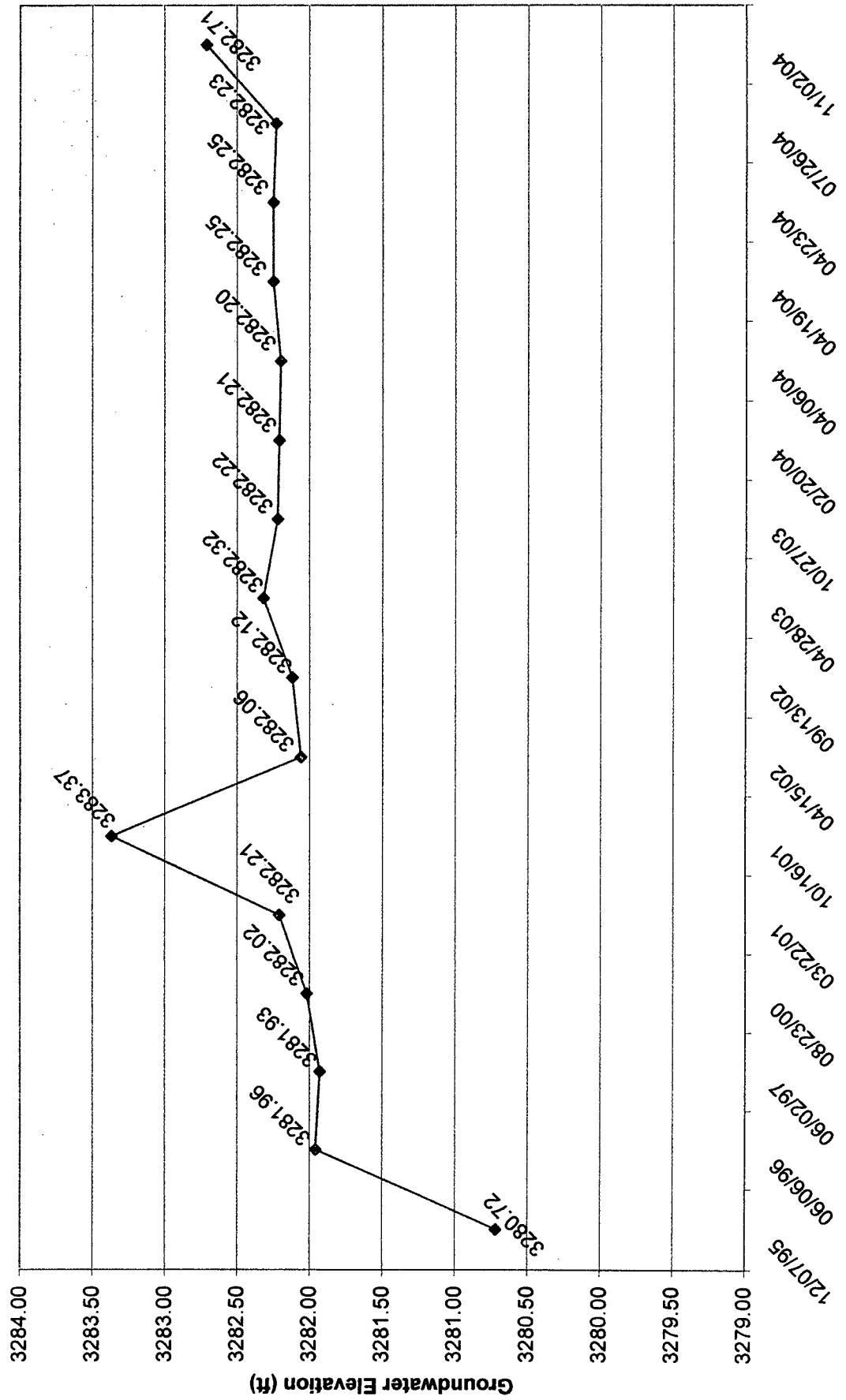
TMW-1 Hydrograph



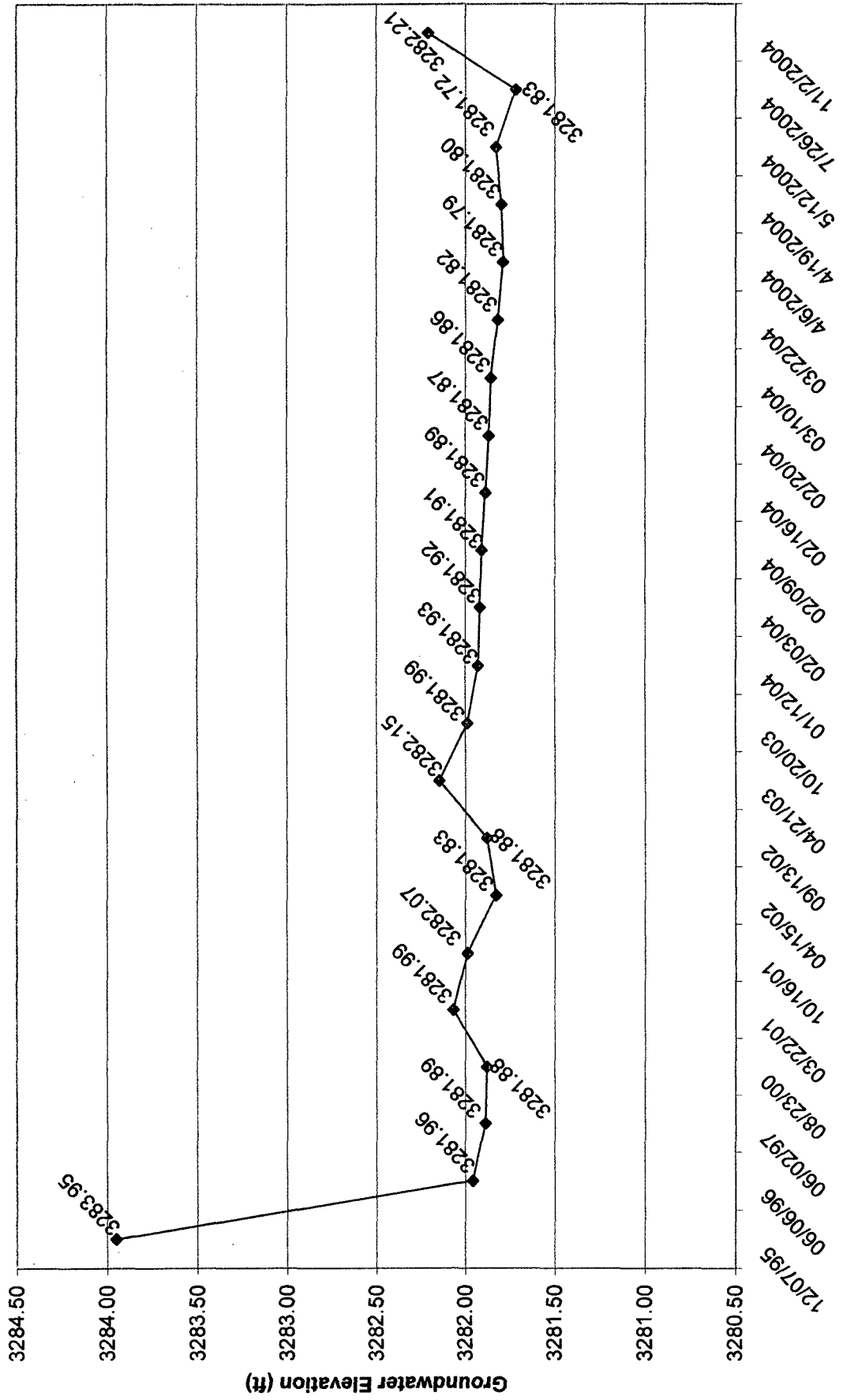
TMW-2 Hydrograph



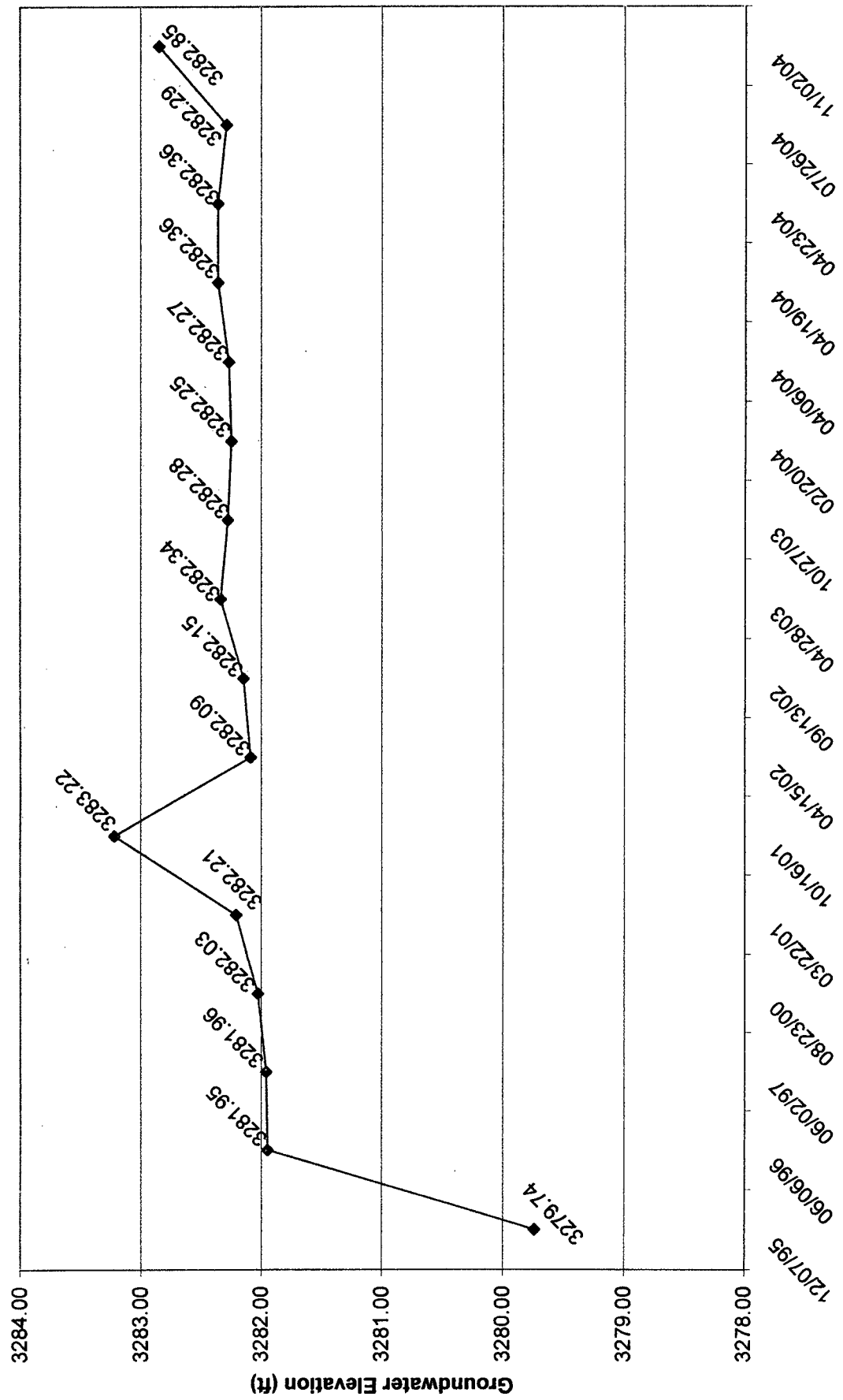
TMW-3 Hydrograph



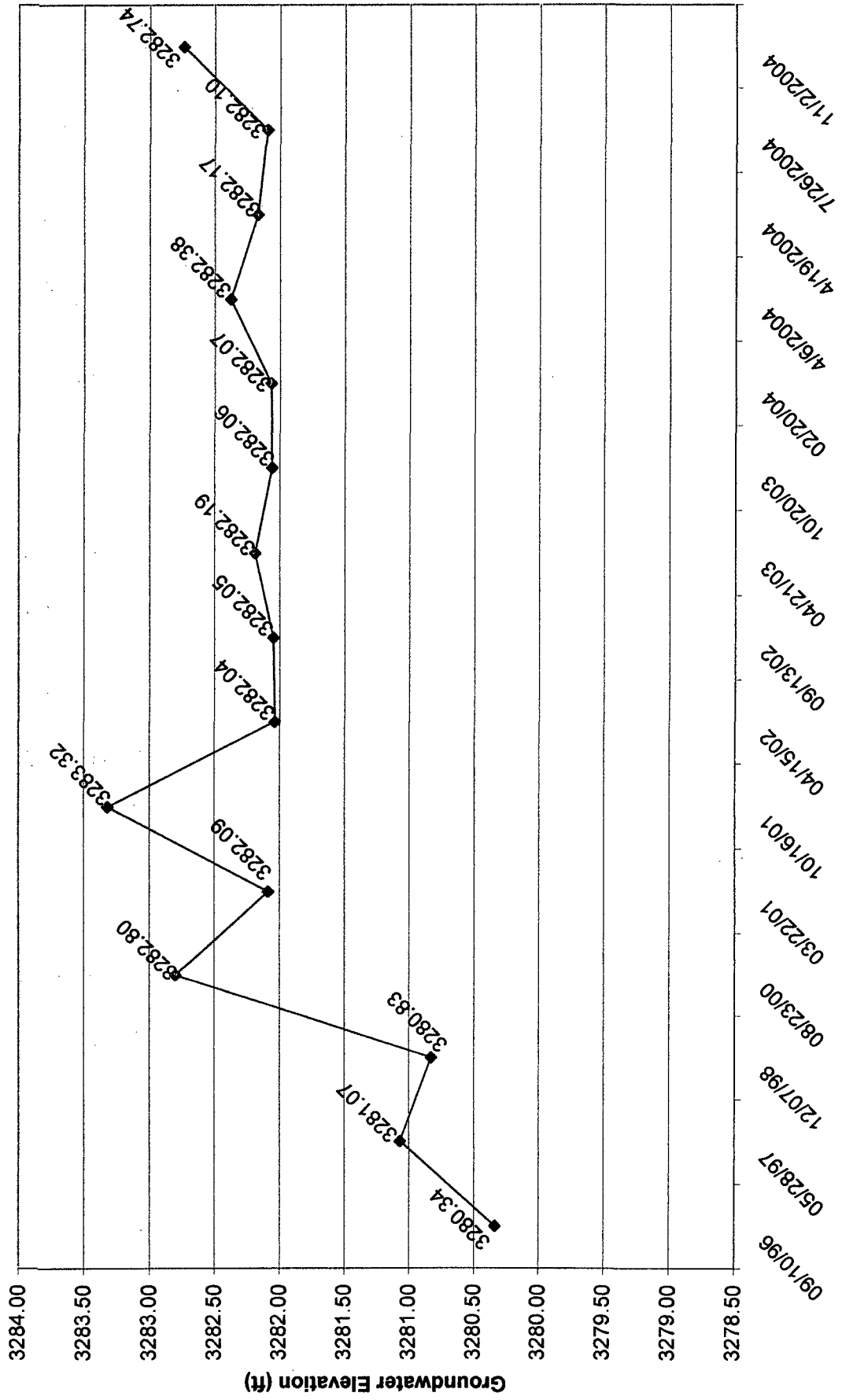
TMW-5 Hydrograph



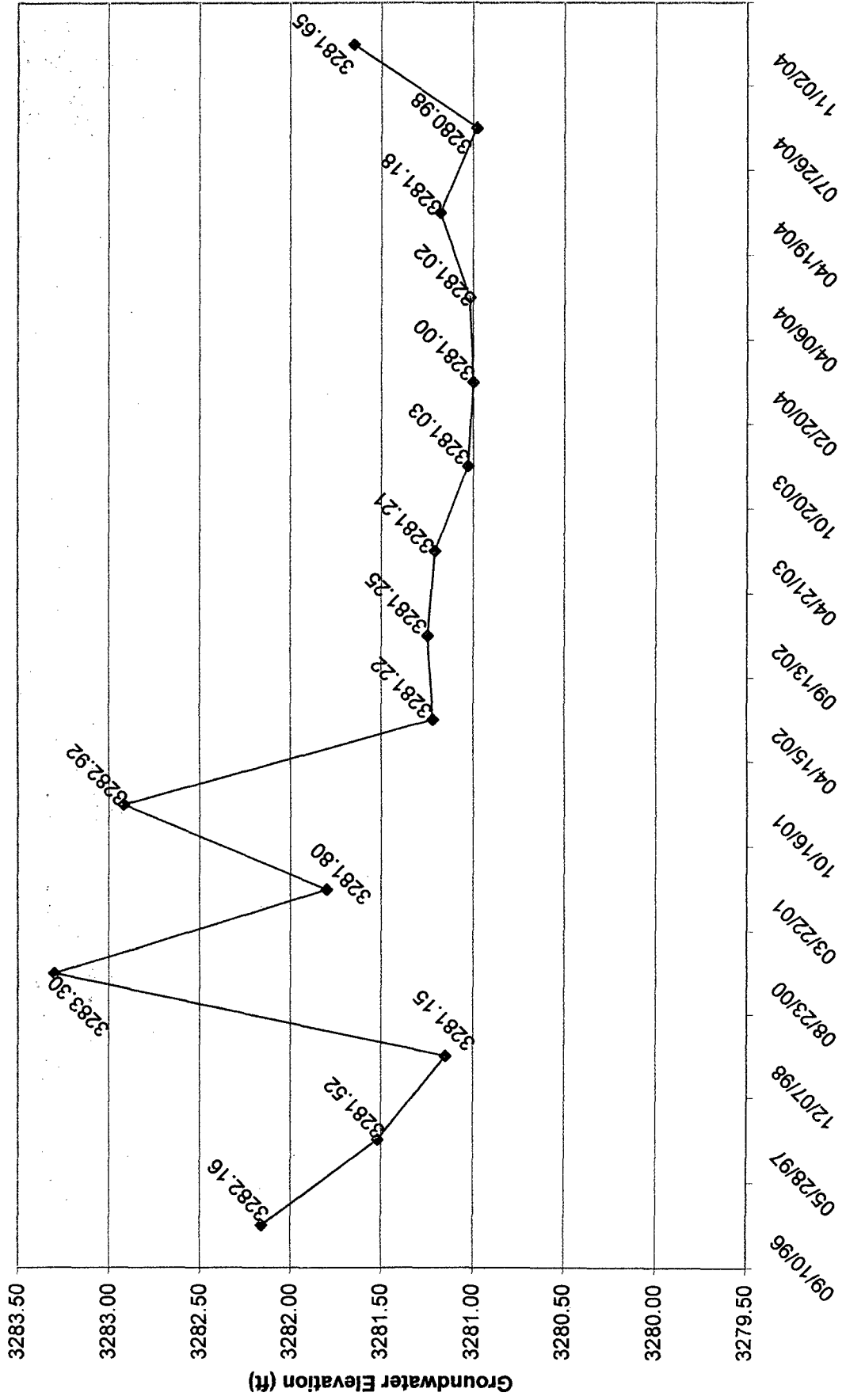
TMW-6 Hydrograph



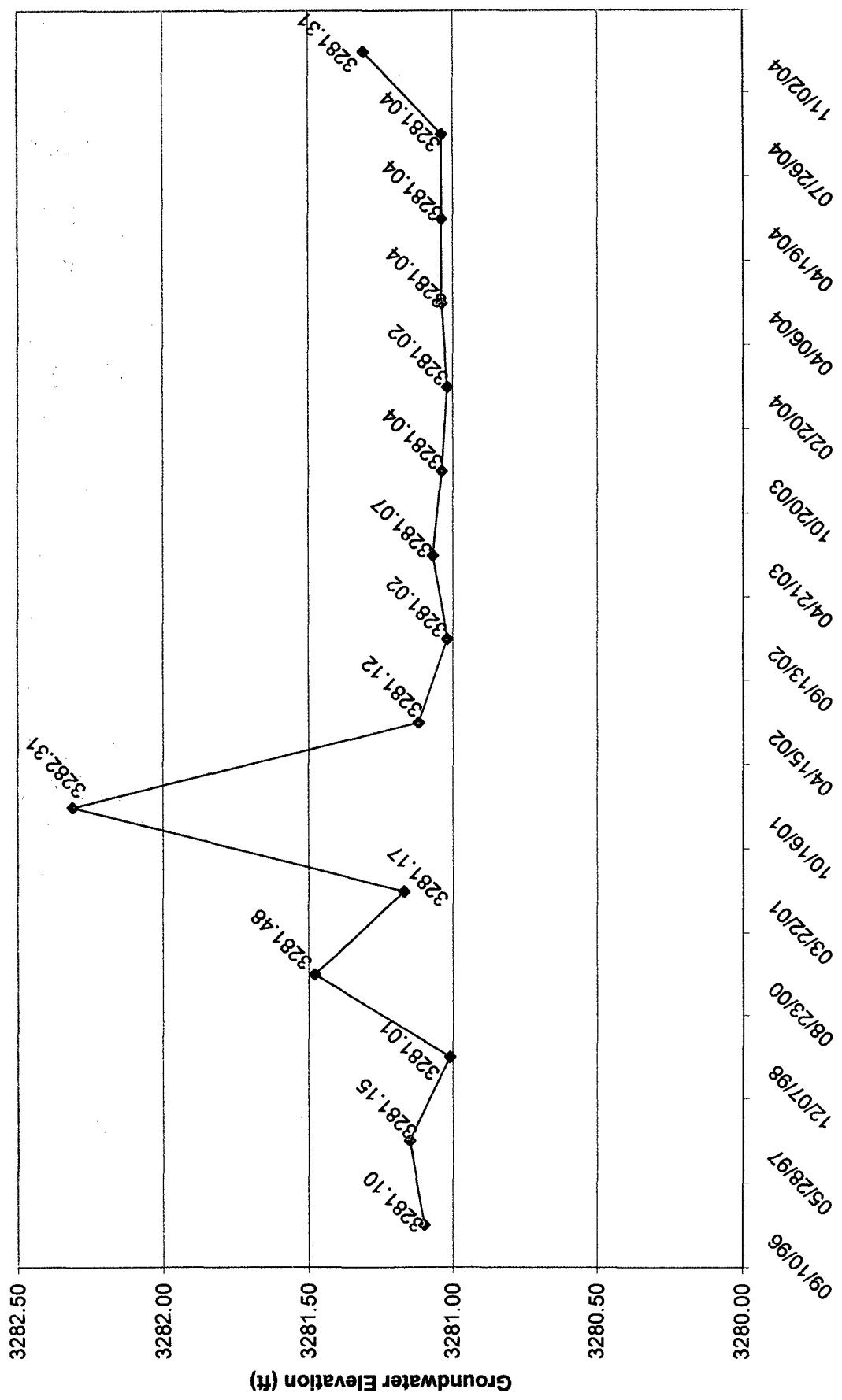
WW-1 Hydrograph



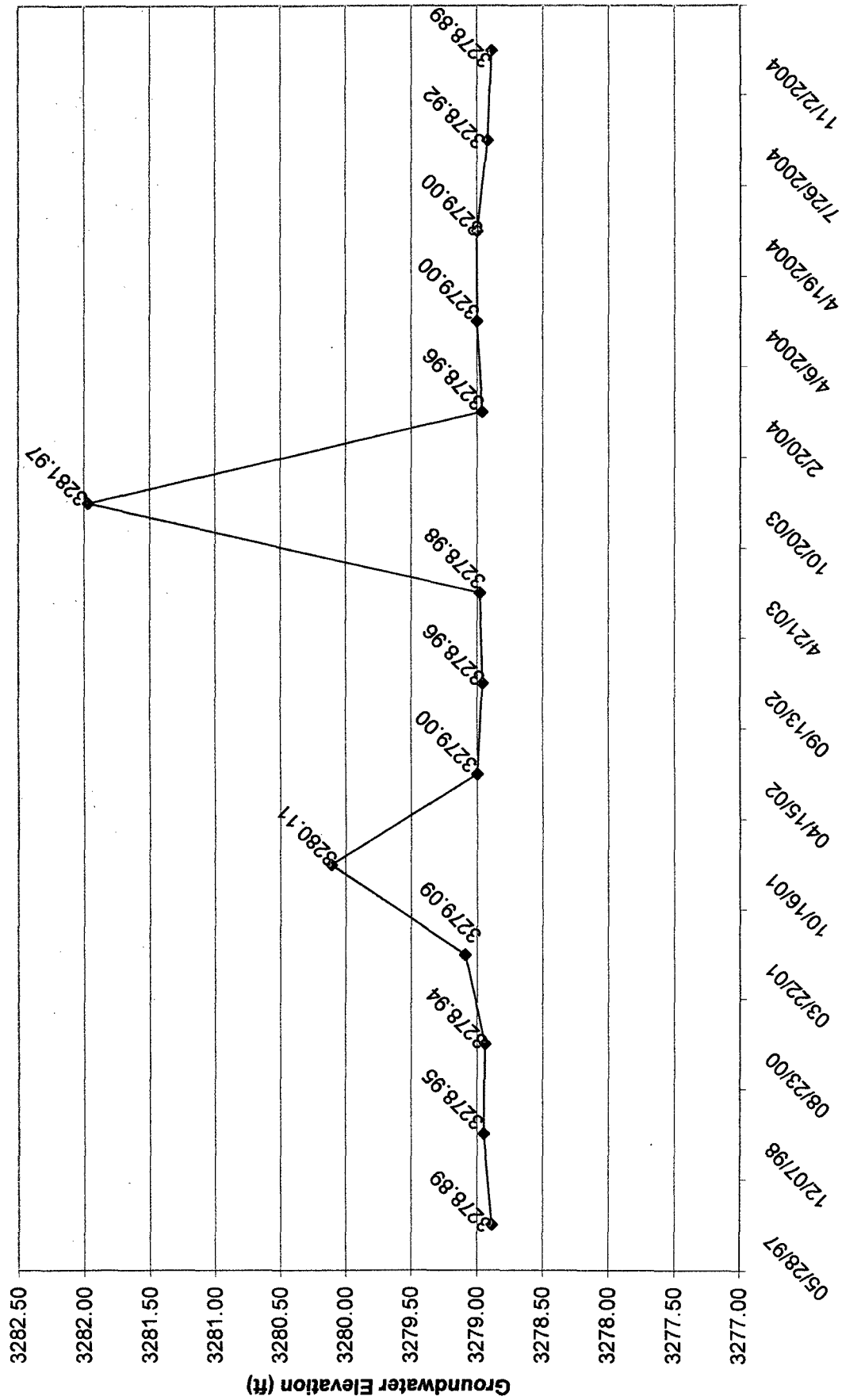
WW-2 Hydrograph



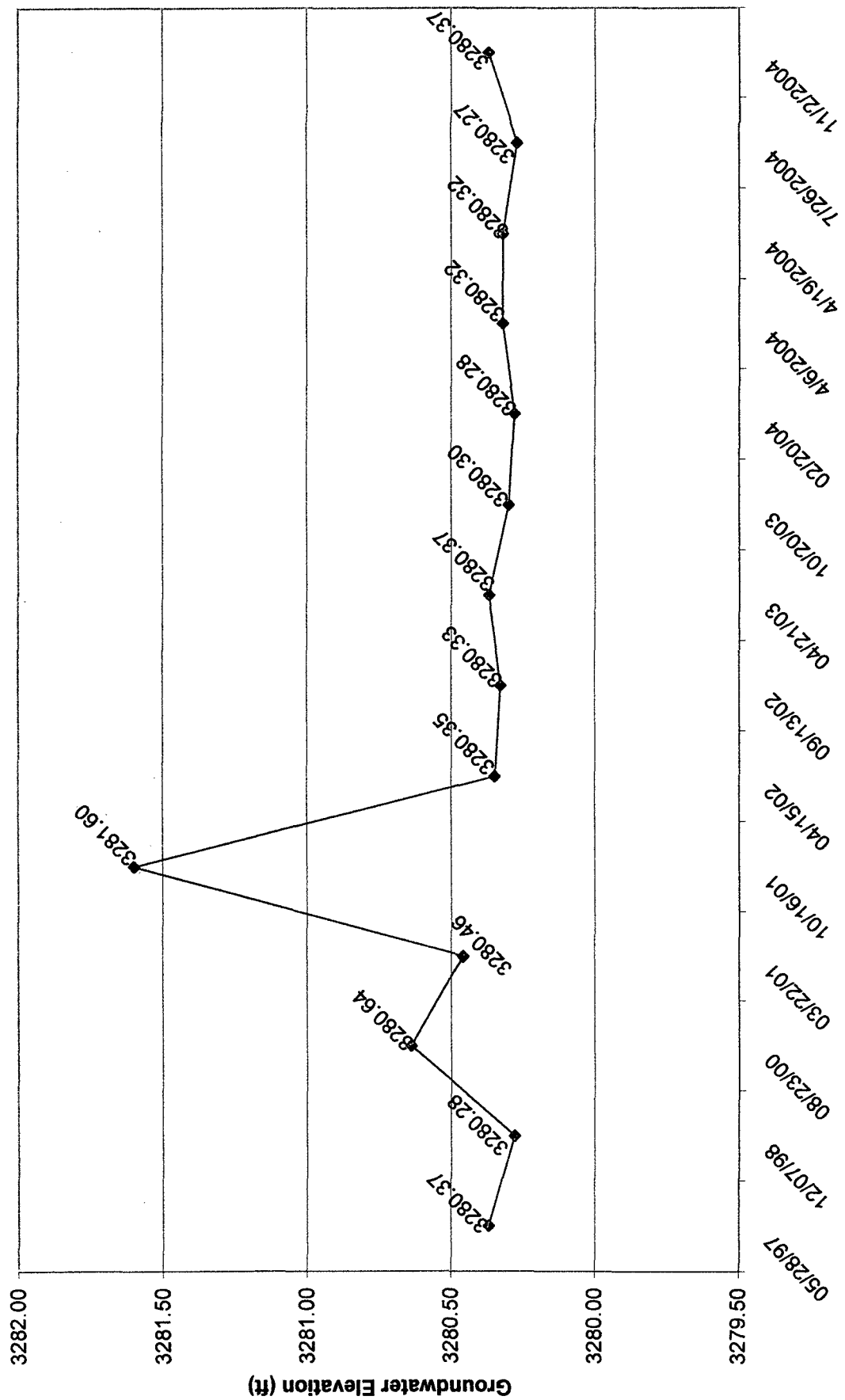
WW-3 Hydrograph



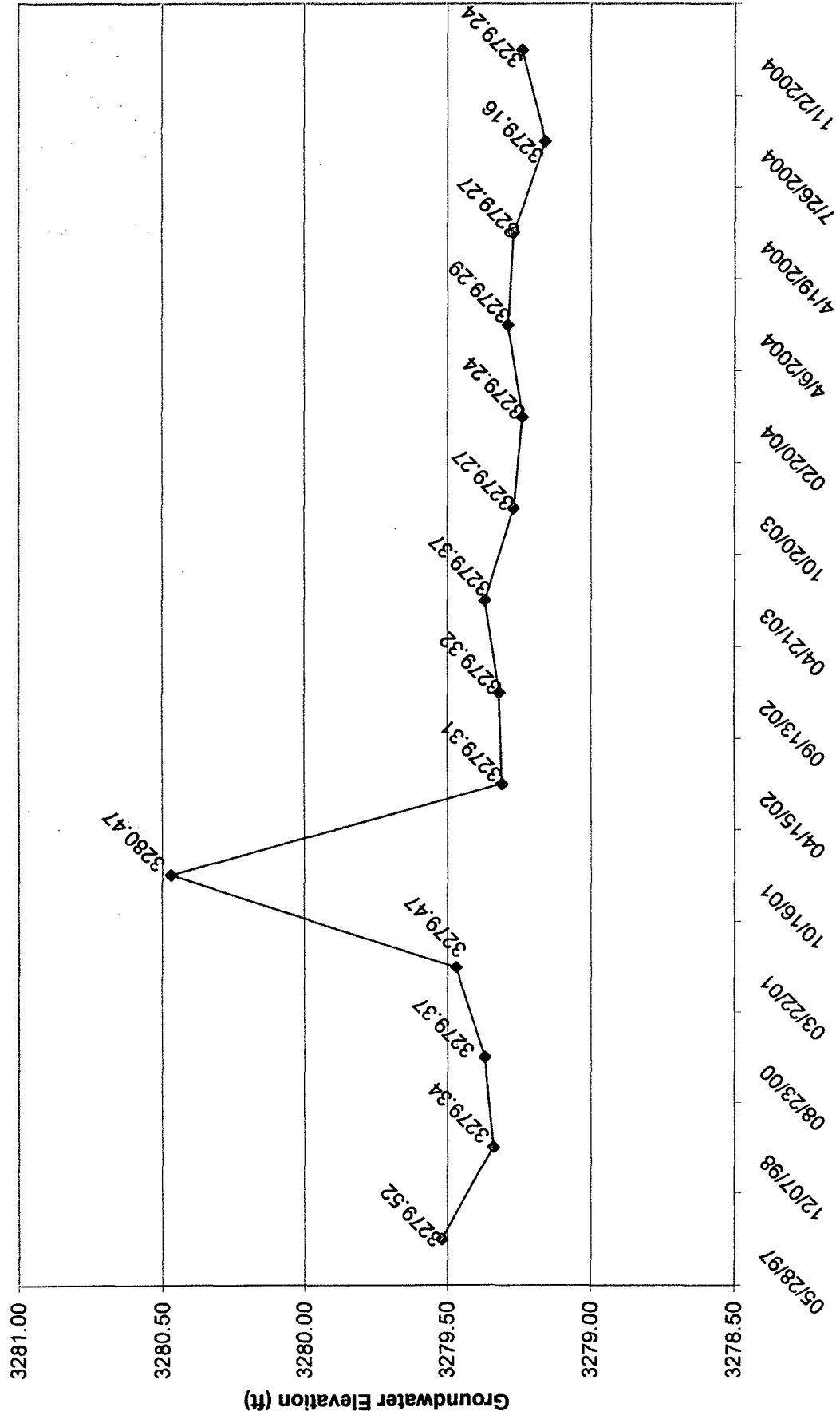
WW-4 Hydrograph



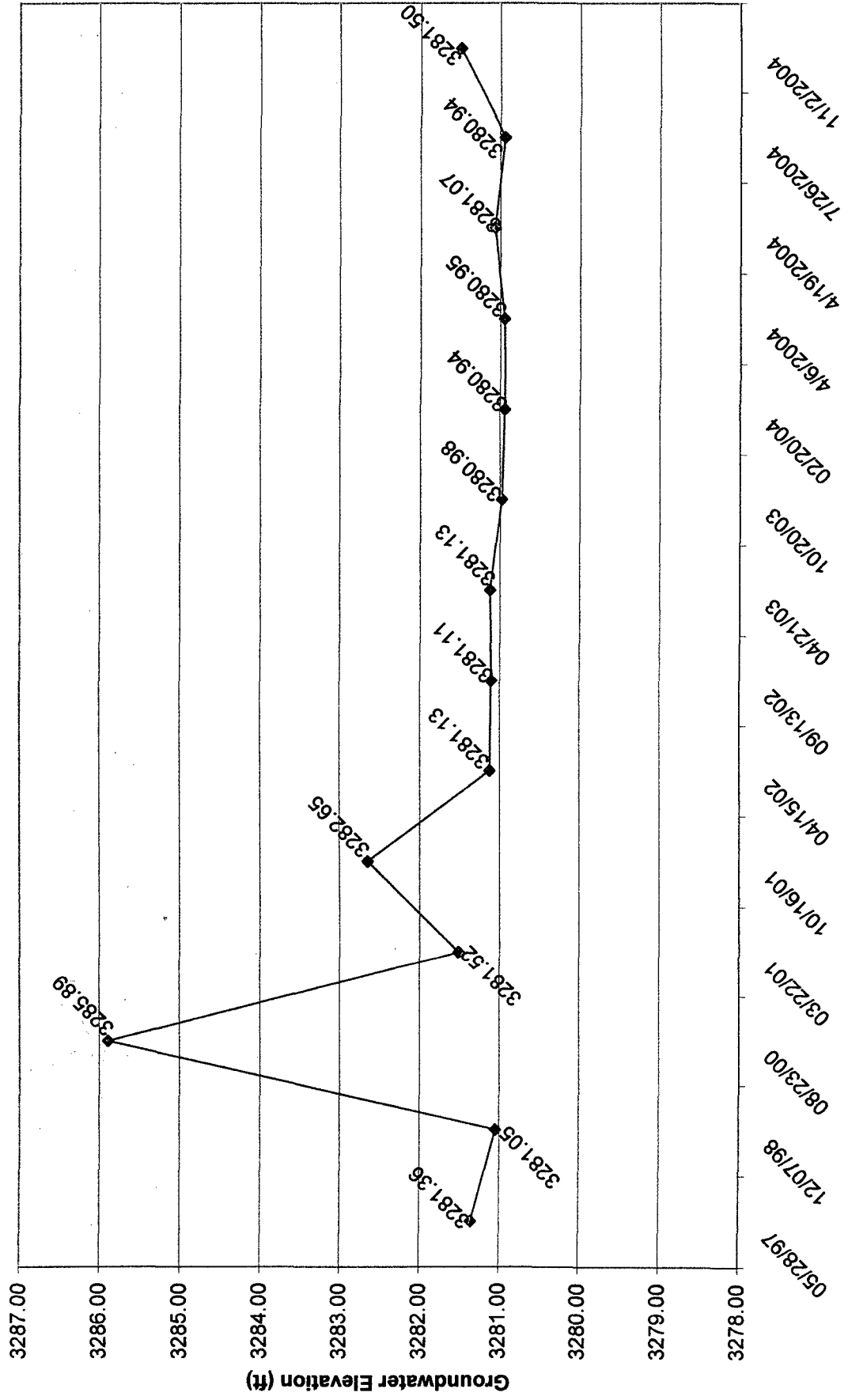
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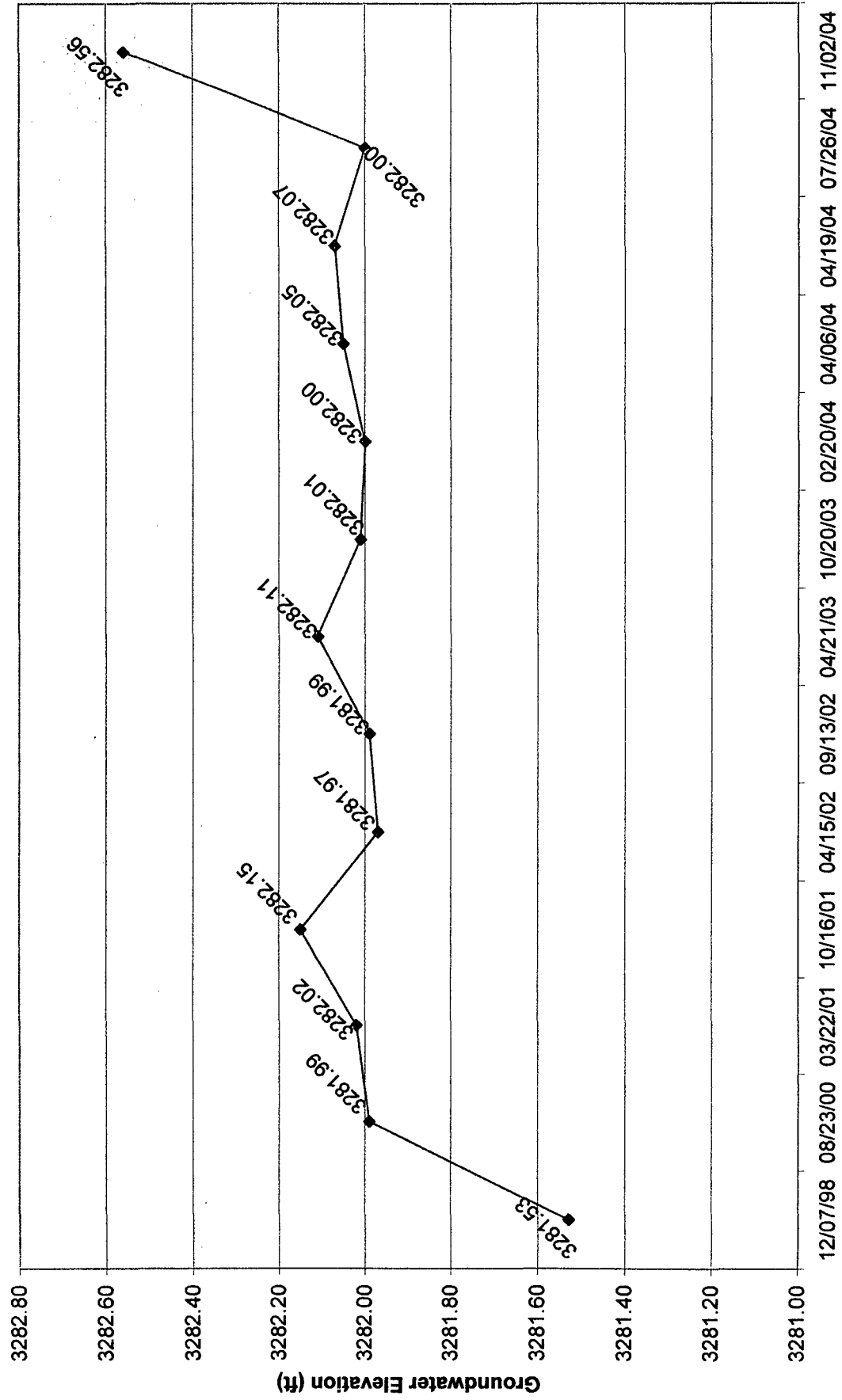
WW-6 Hydrograph



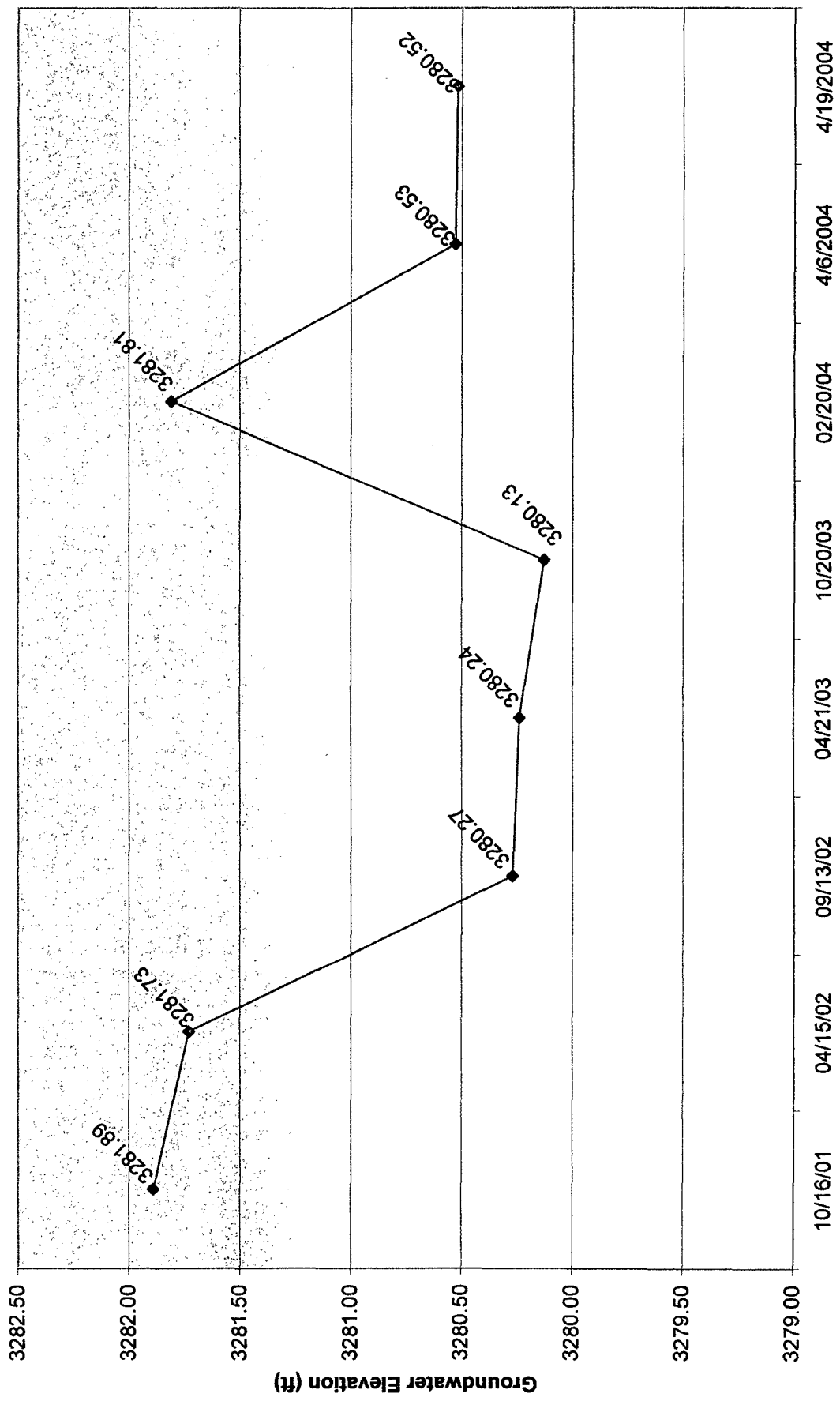
WW-7 Hydrograph



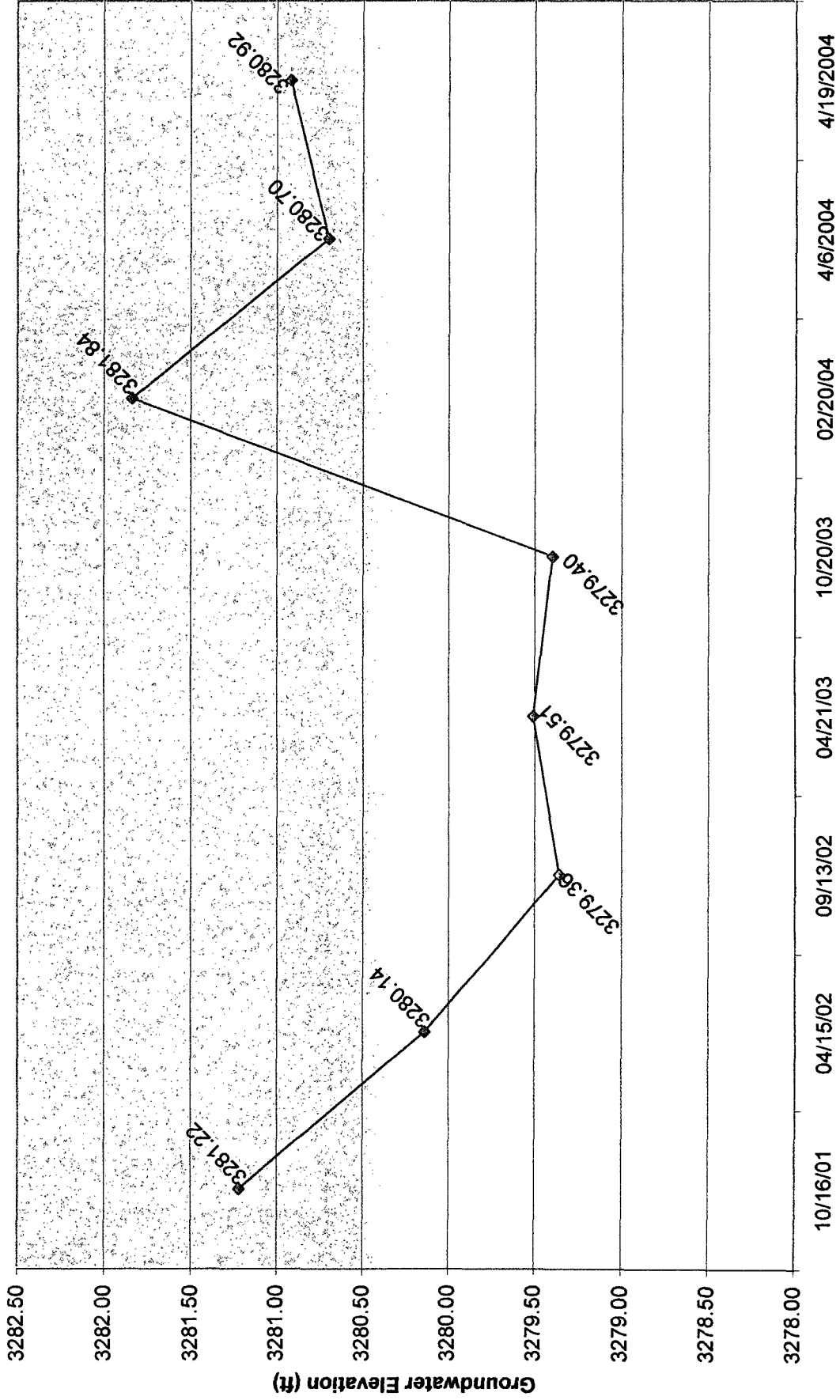
RW-1 Hydrograph



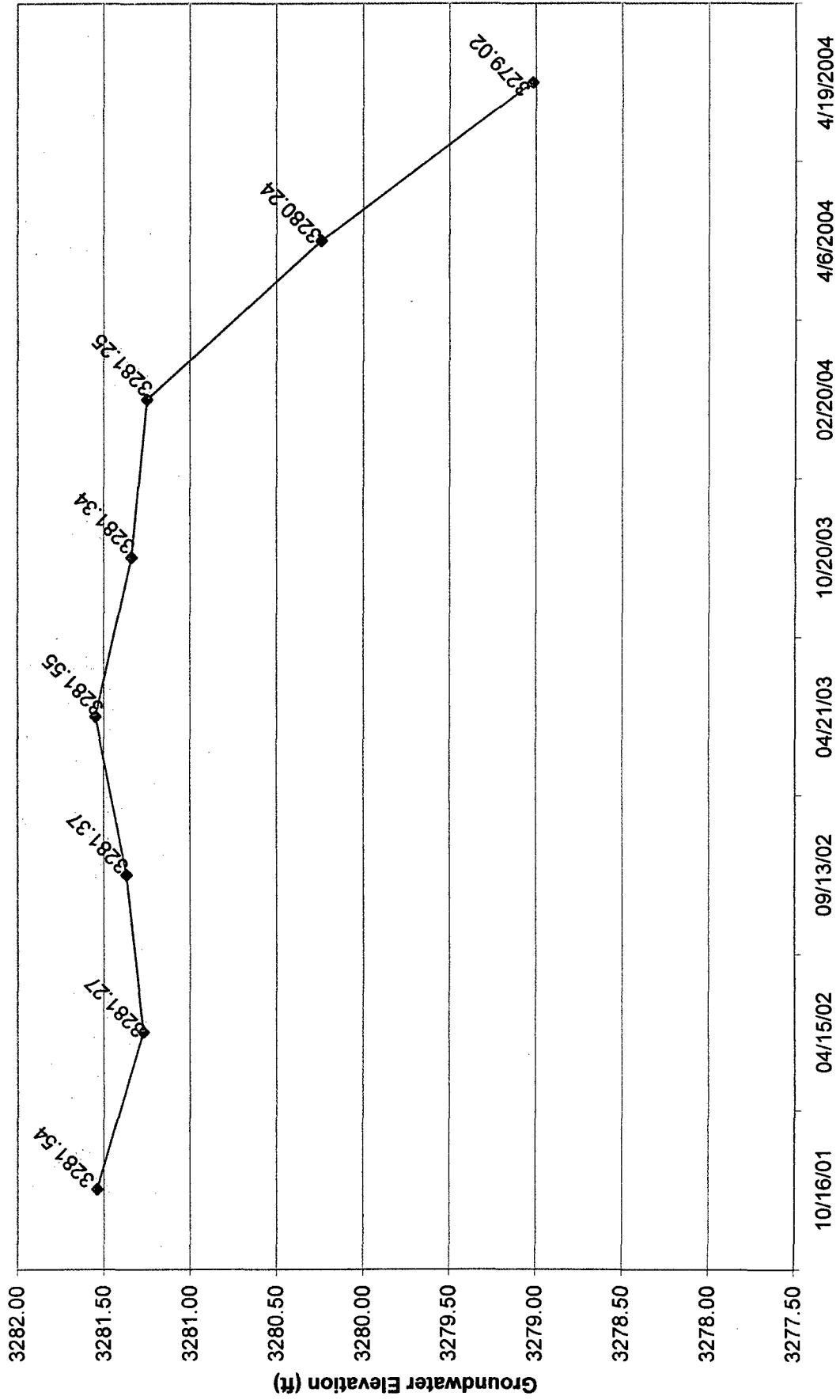
RW-2 Hydrograph



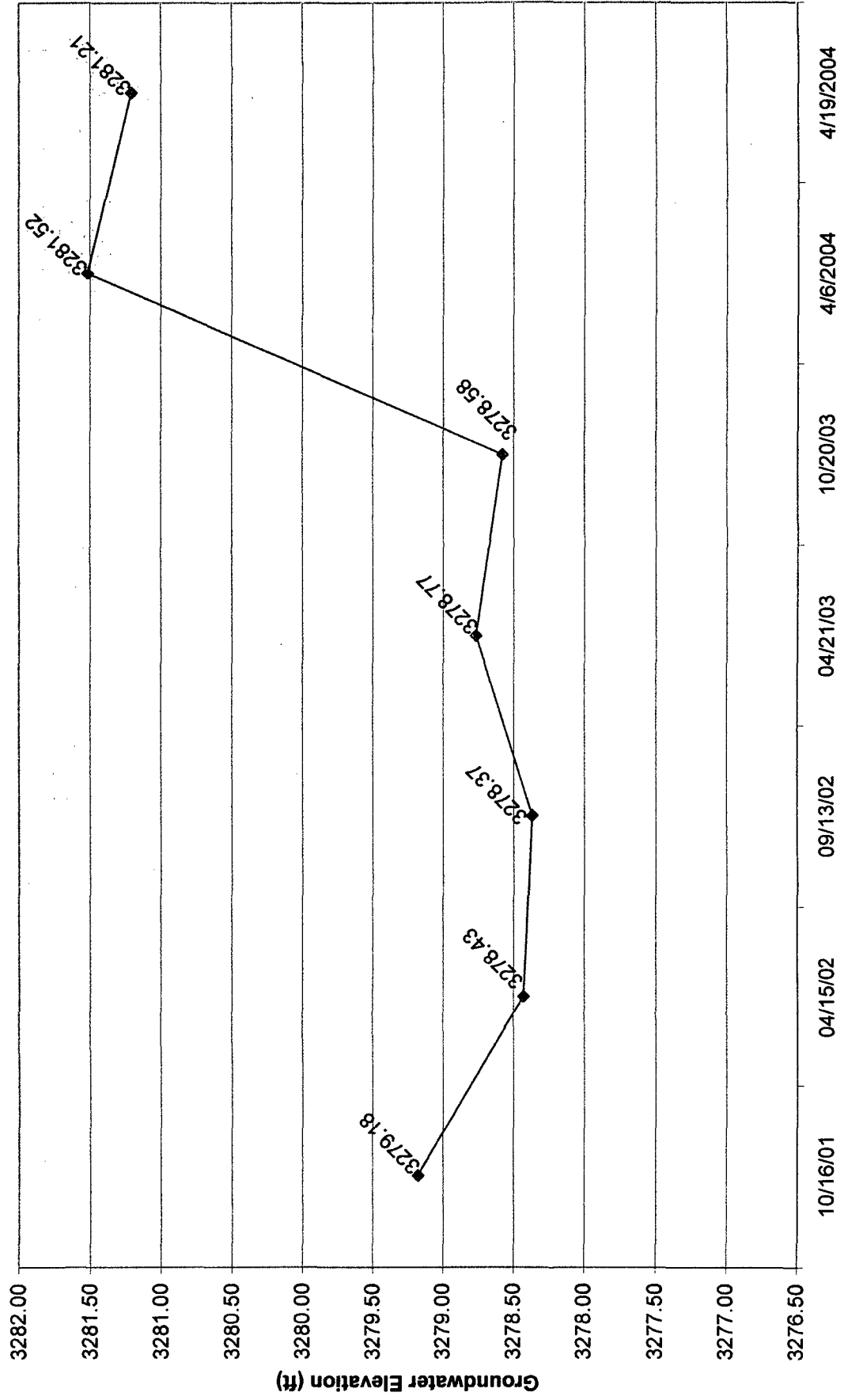
RW-3 Hydrograph



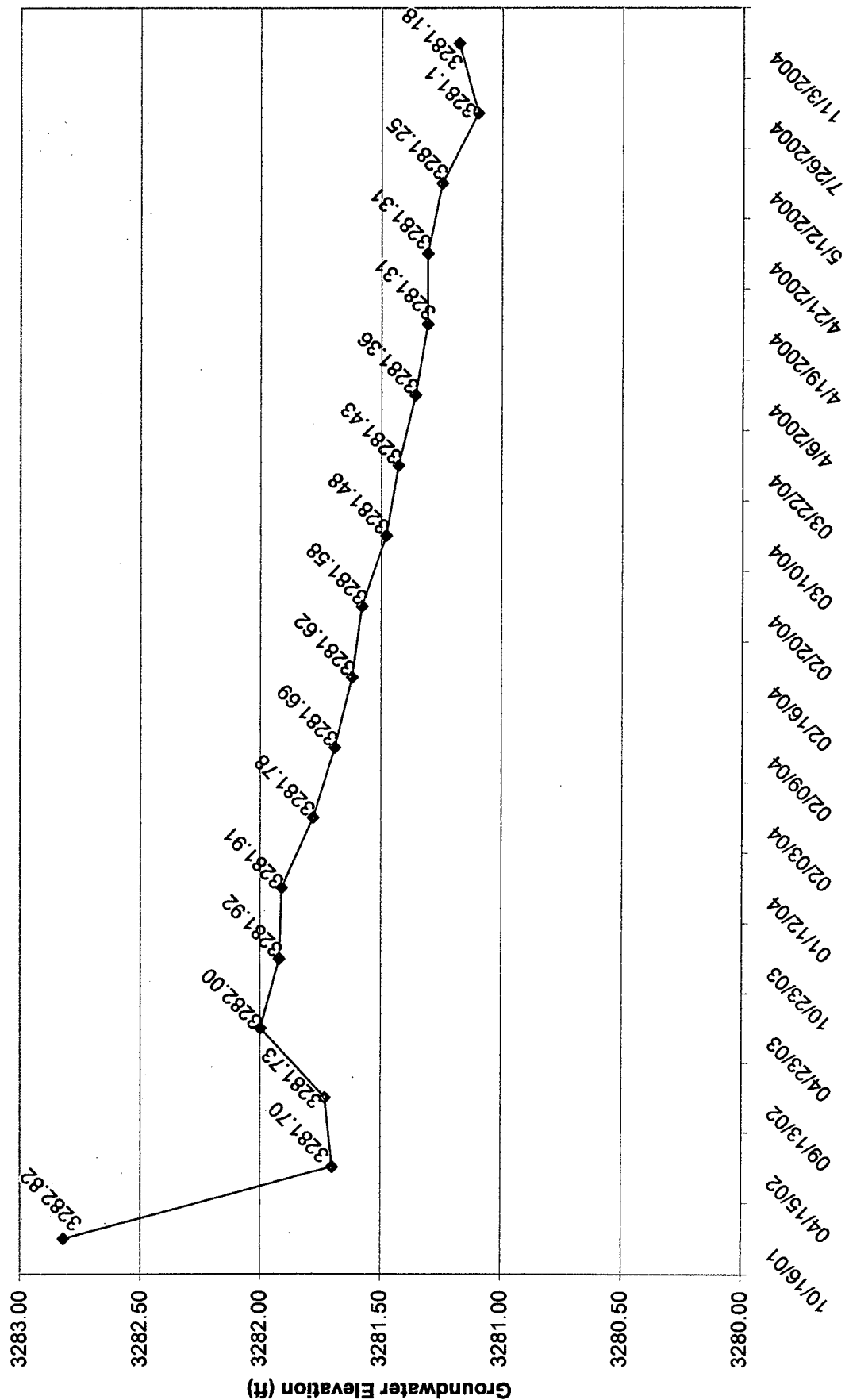
RW-4 Hydrograph



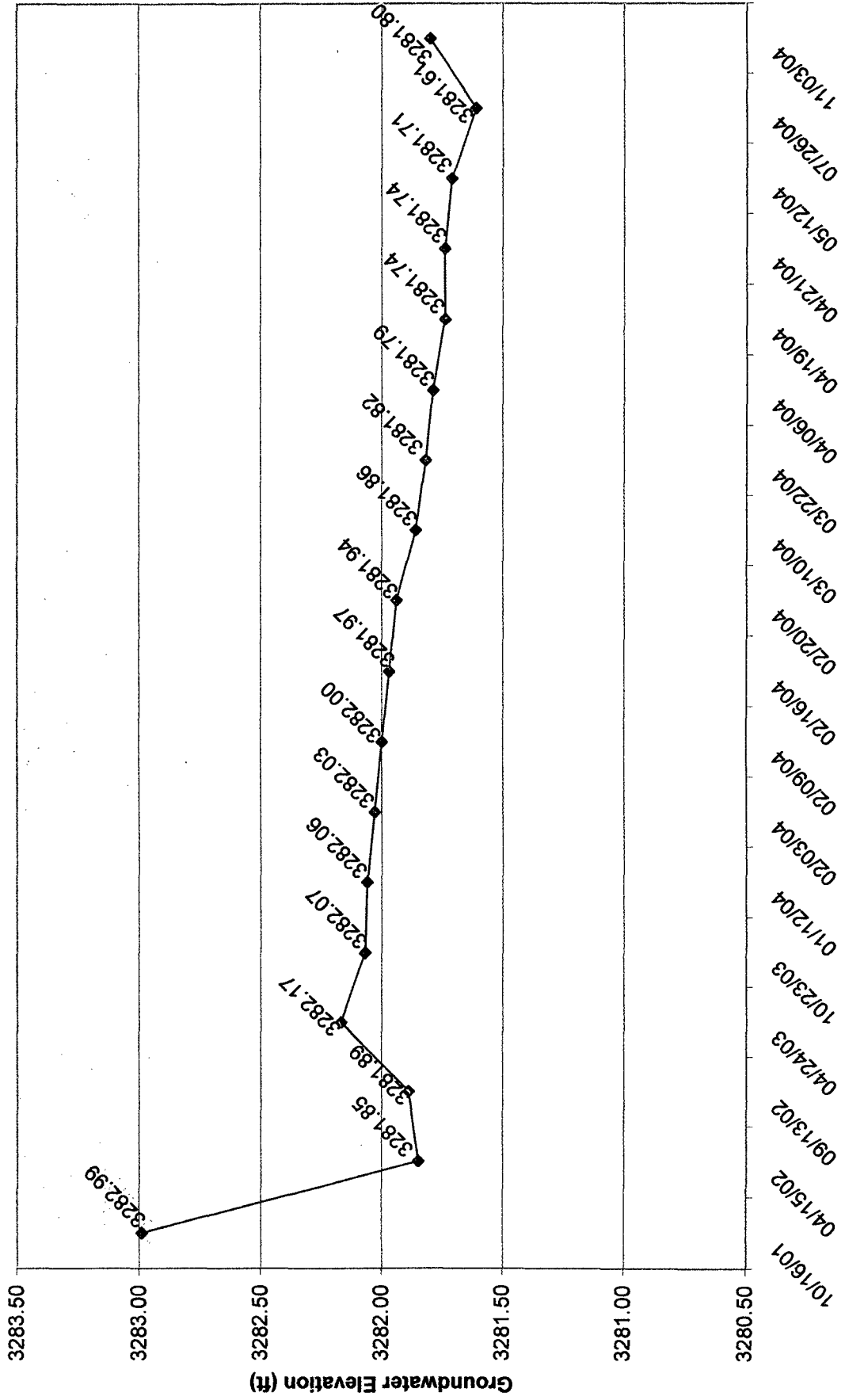
RW-5 Hydrograph



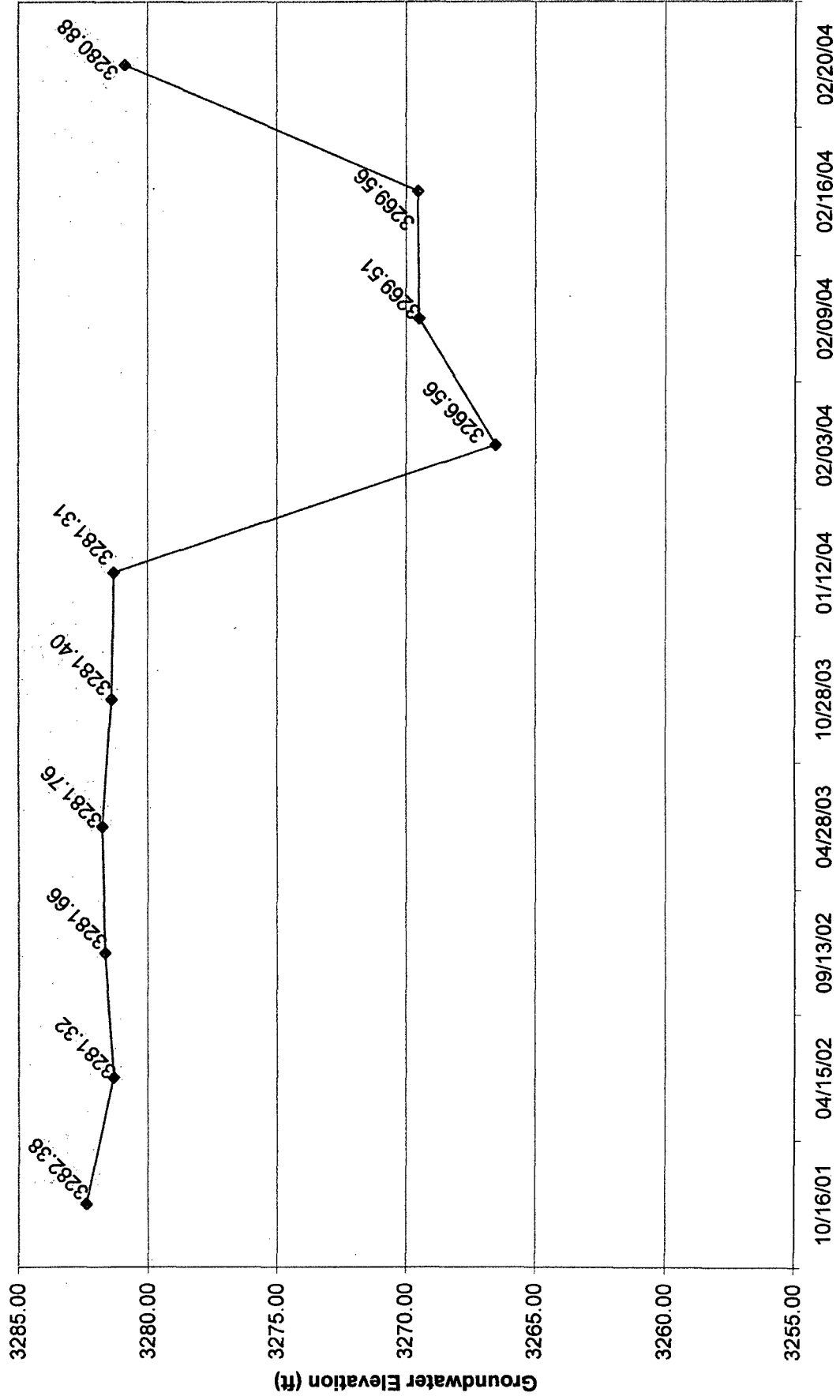
MWD-1 Hydrograph



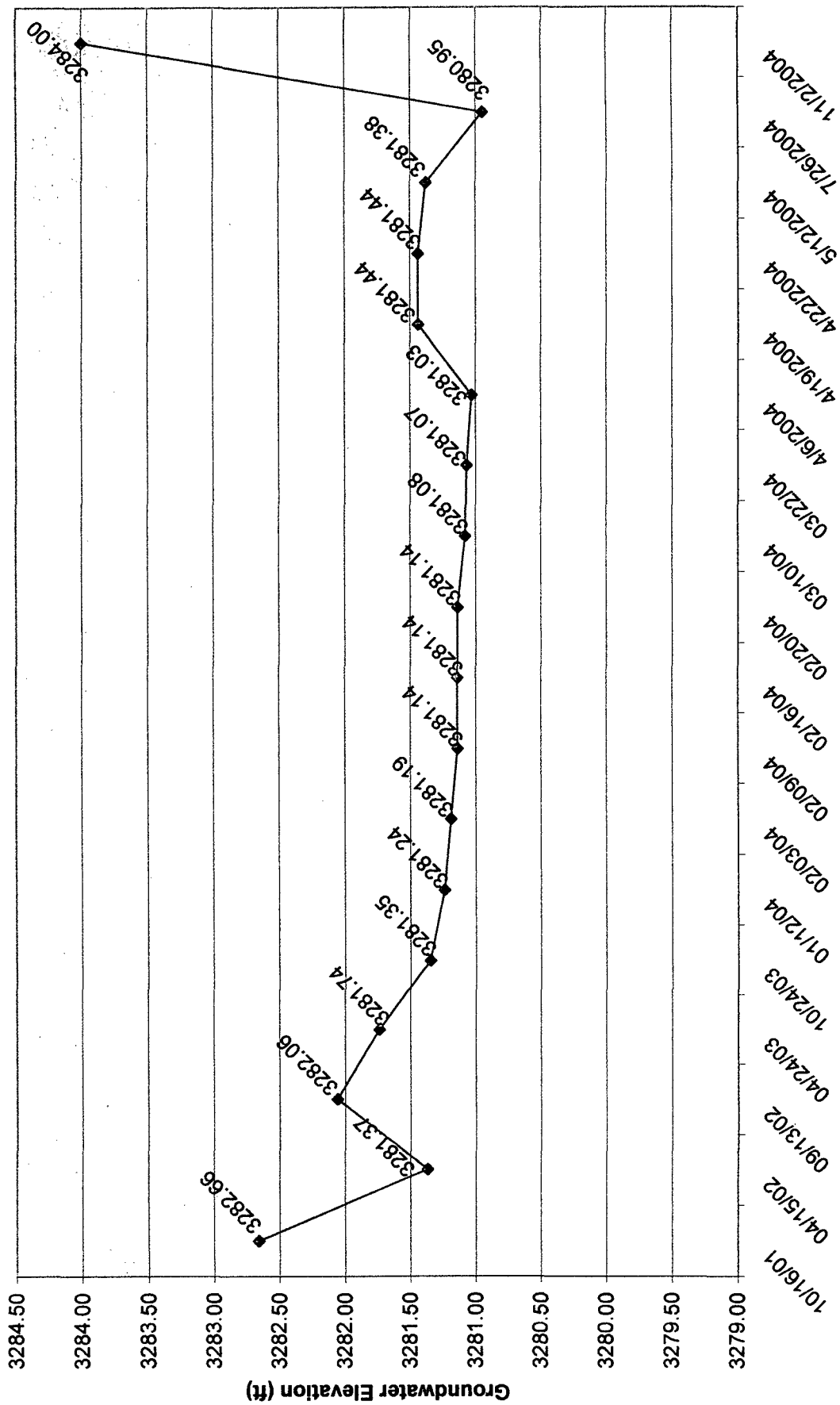
MWD-2 Hydrograph



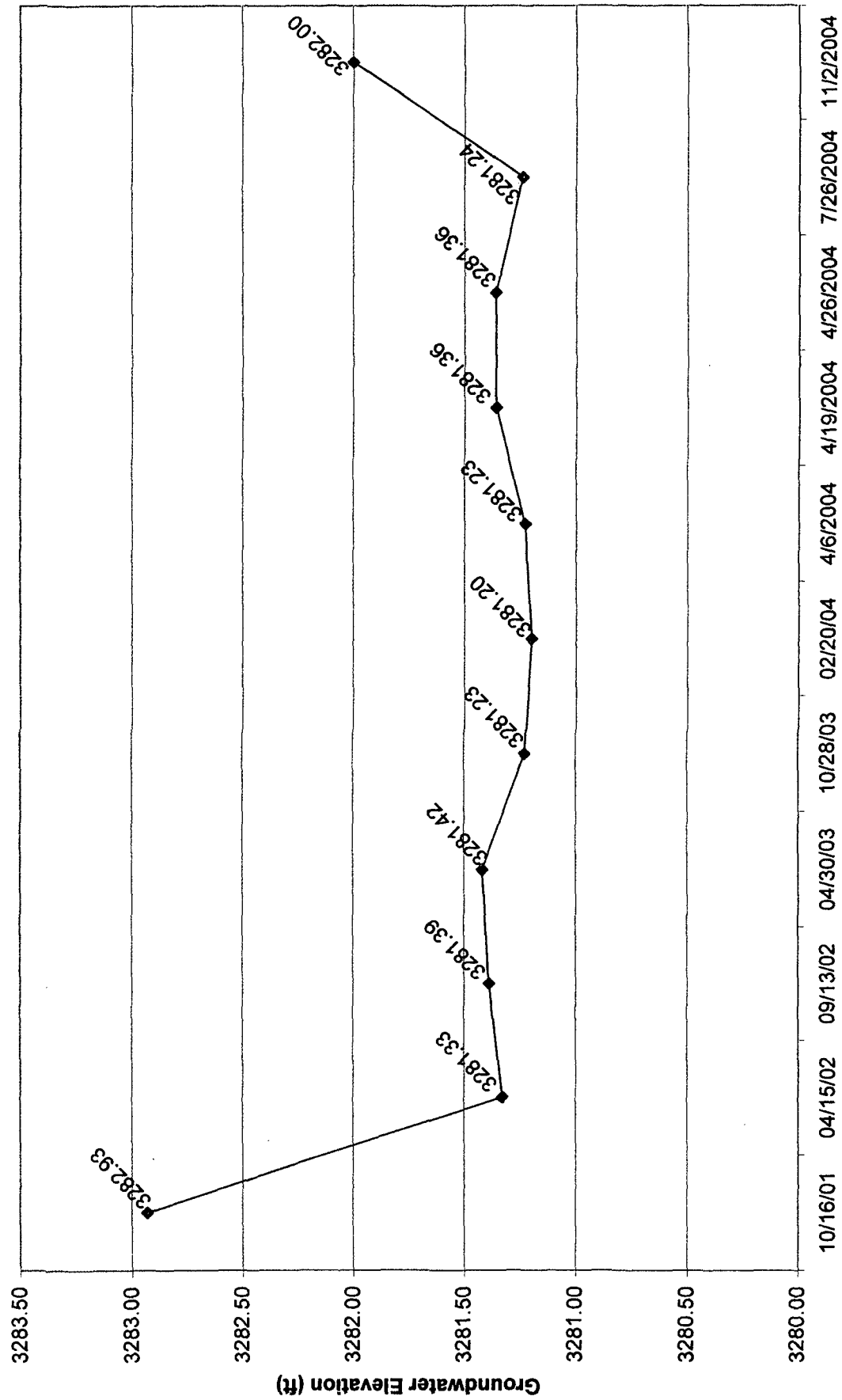
MWD-3 Hydrograph



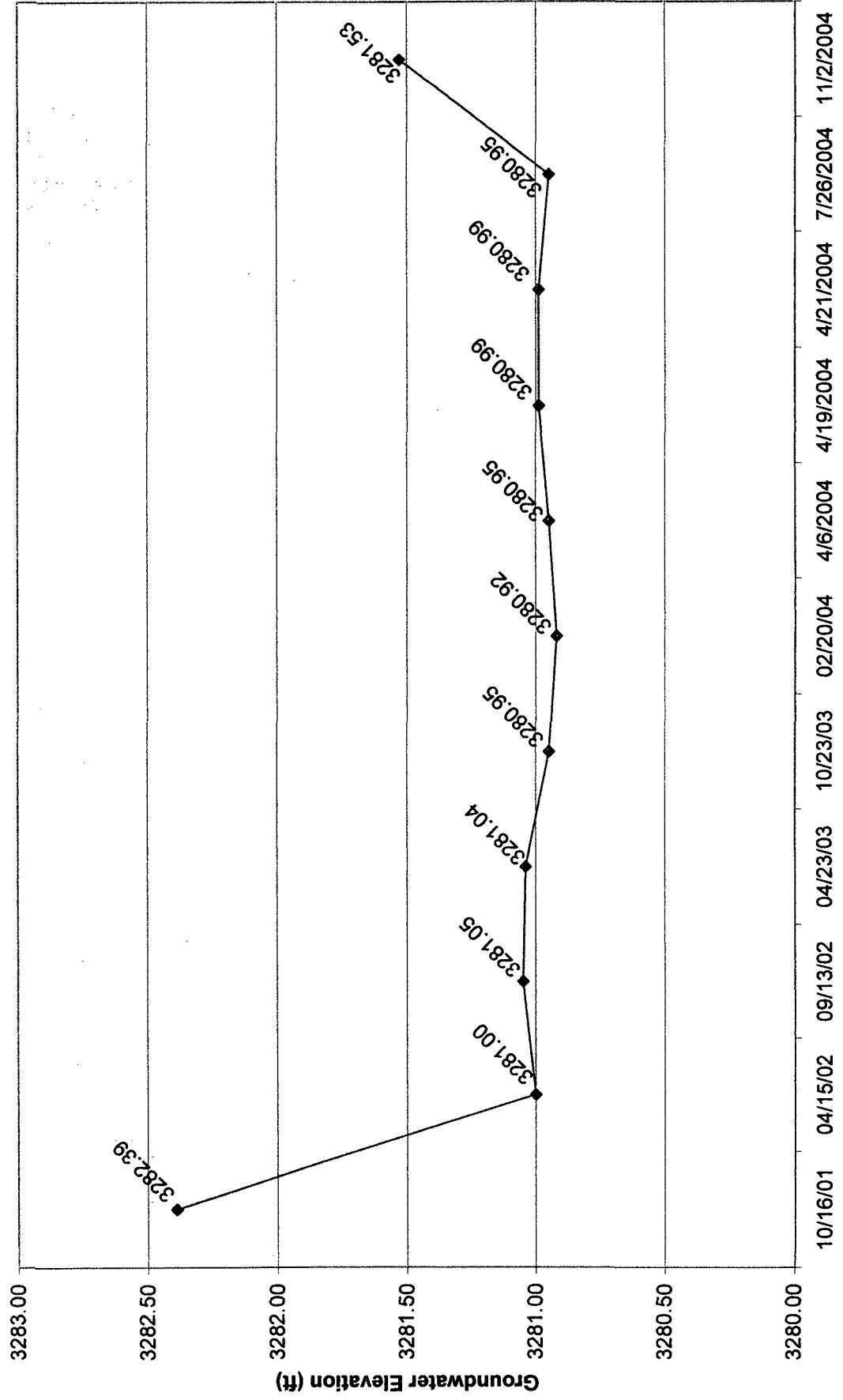
MWD-4 Hydrograph



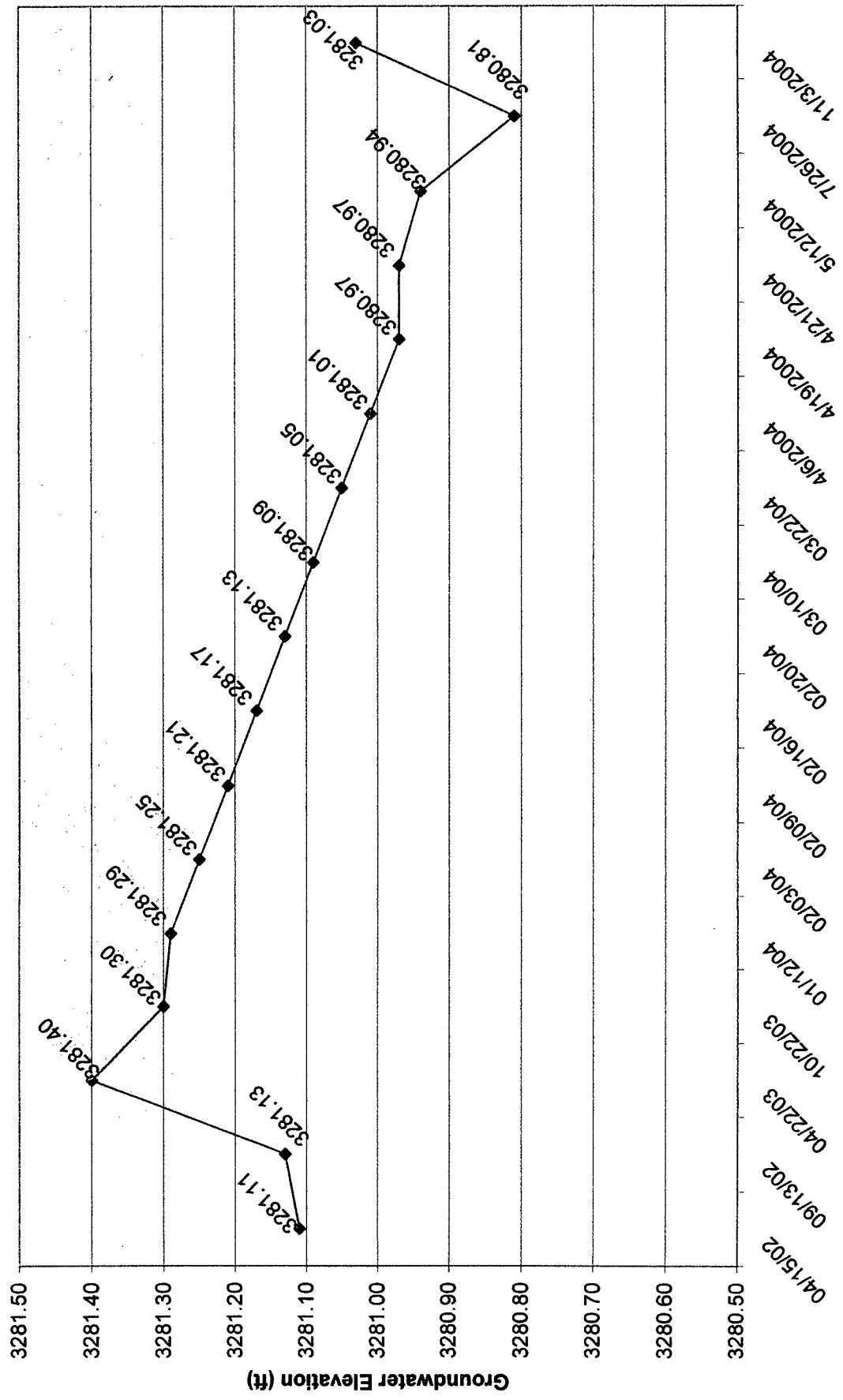
MWD-5 Hydrograph



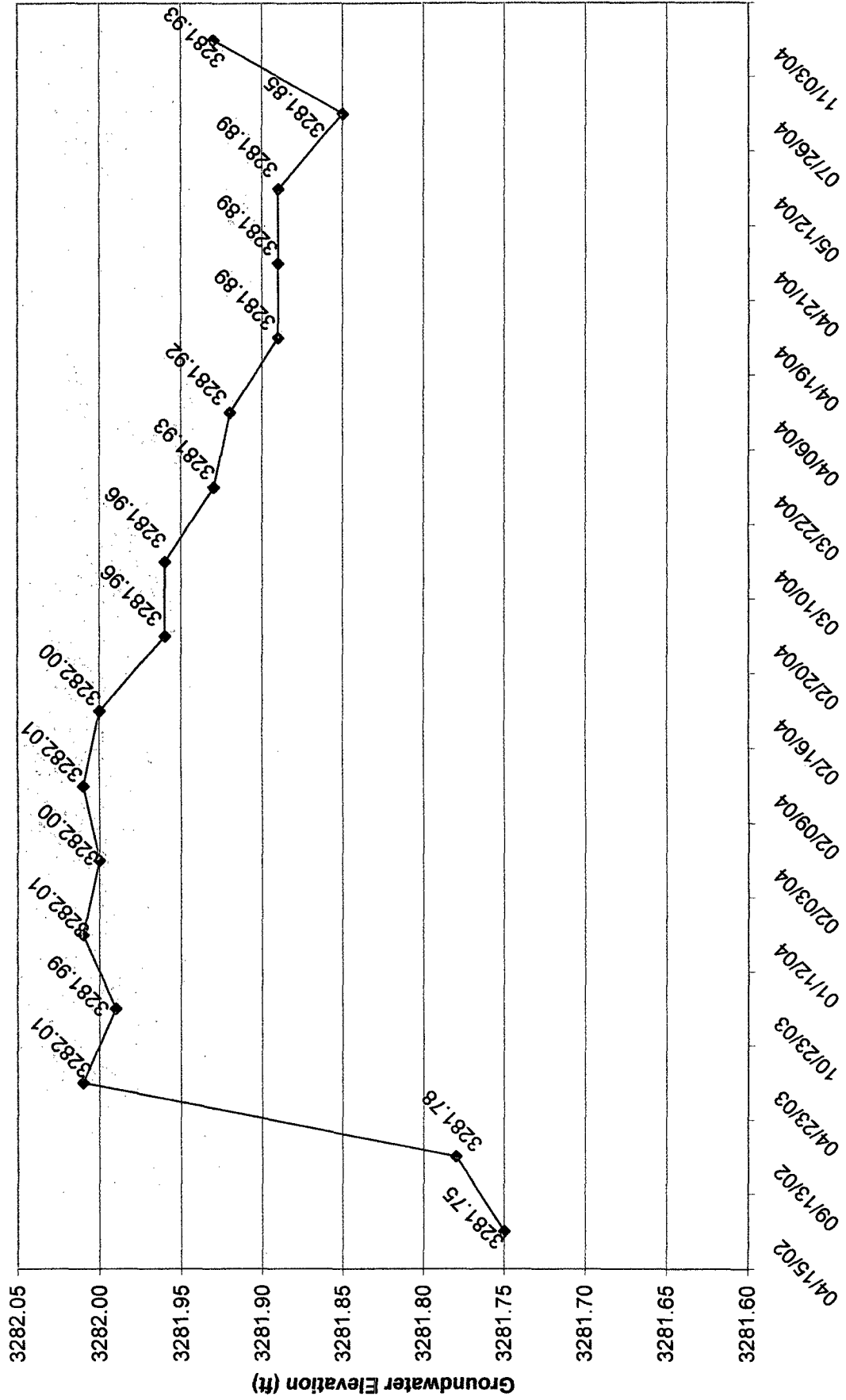
MWD-6 Hydrograph



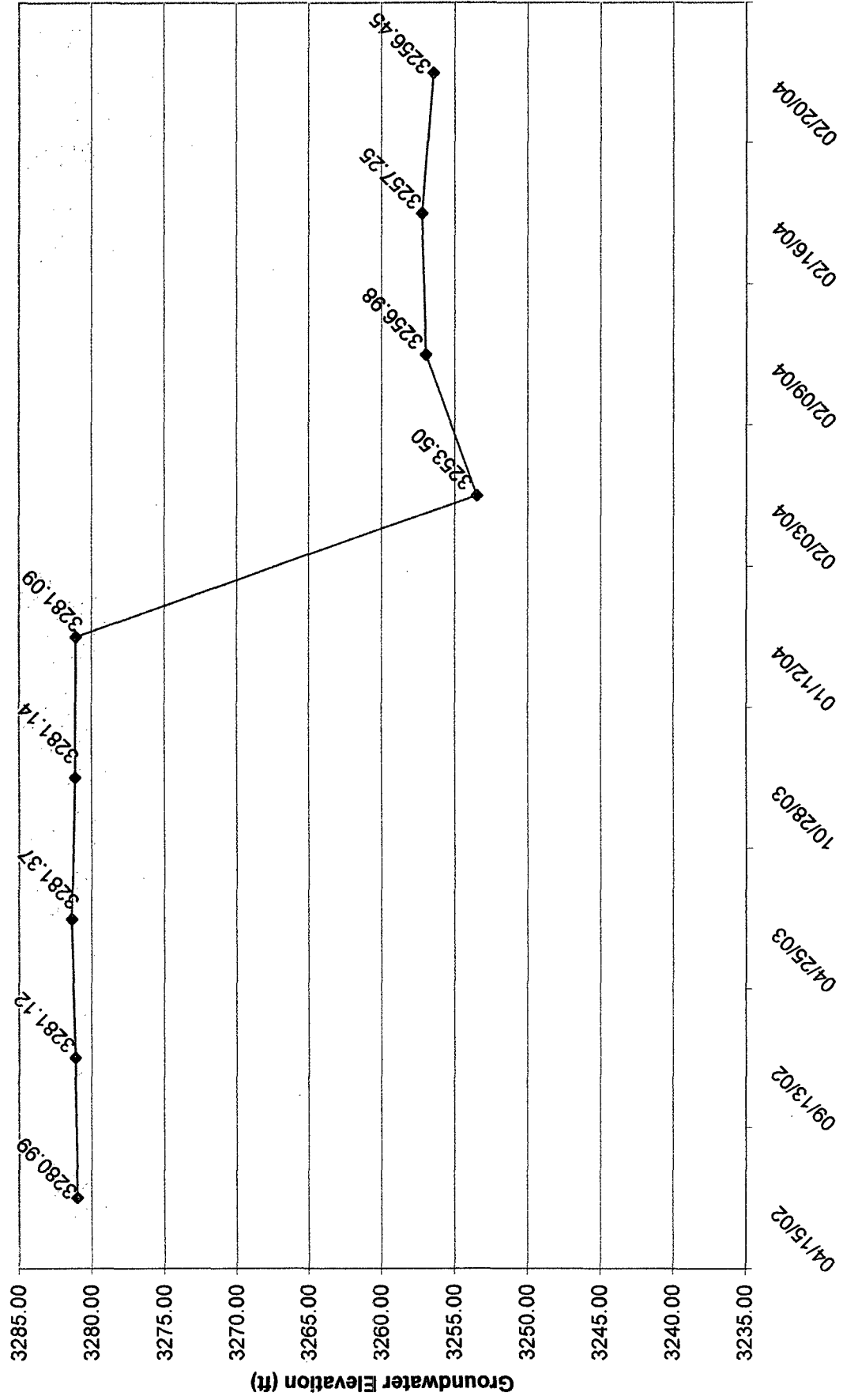
MWD-7 Hydrograph



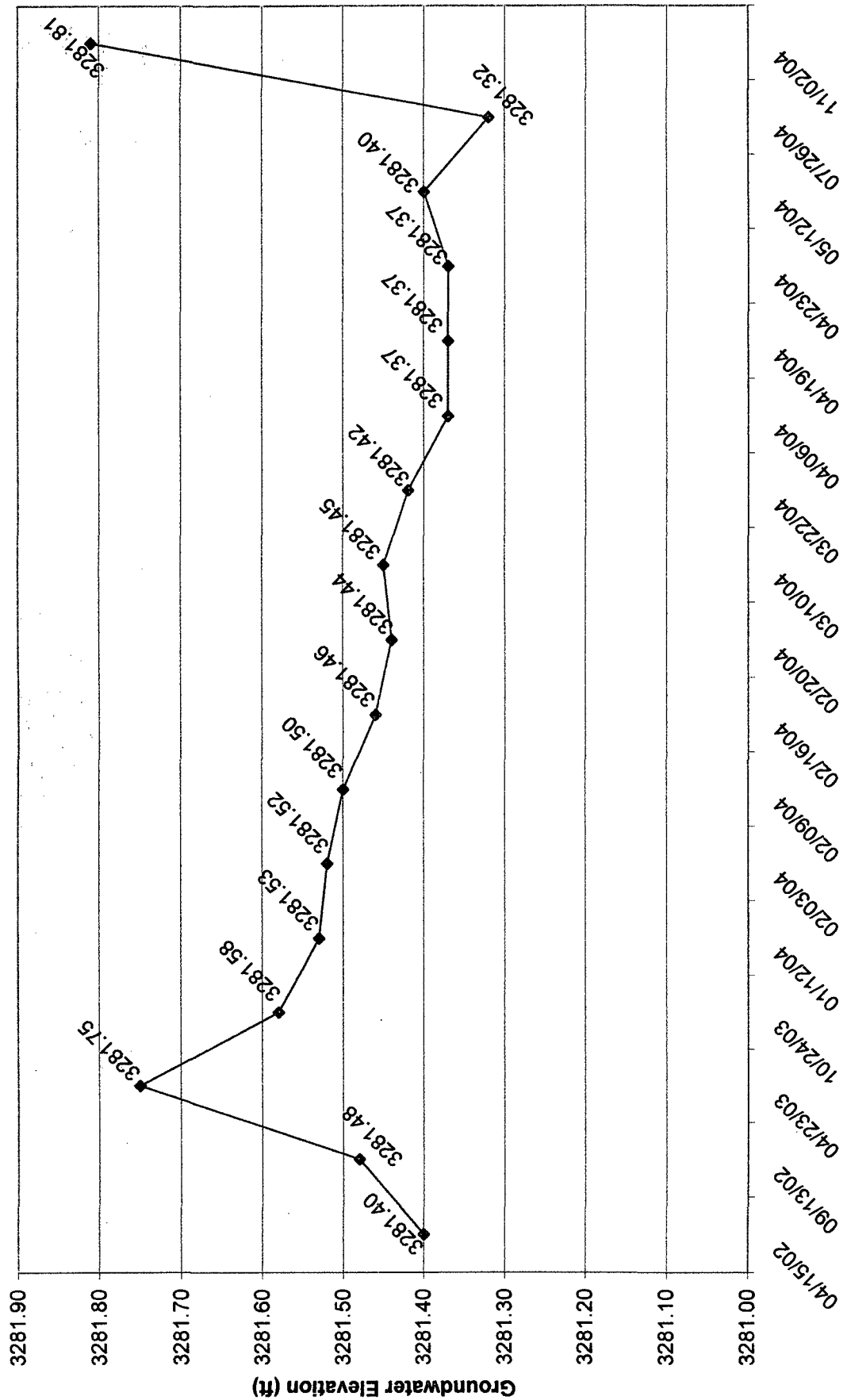
MWD-8 Hydrograph



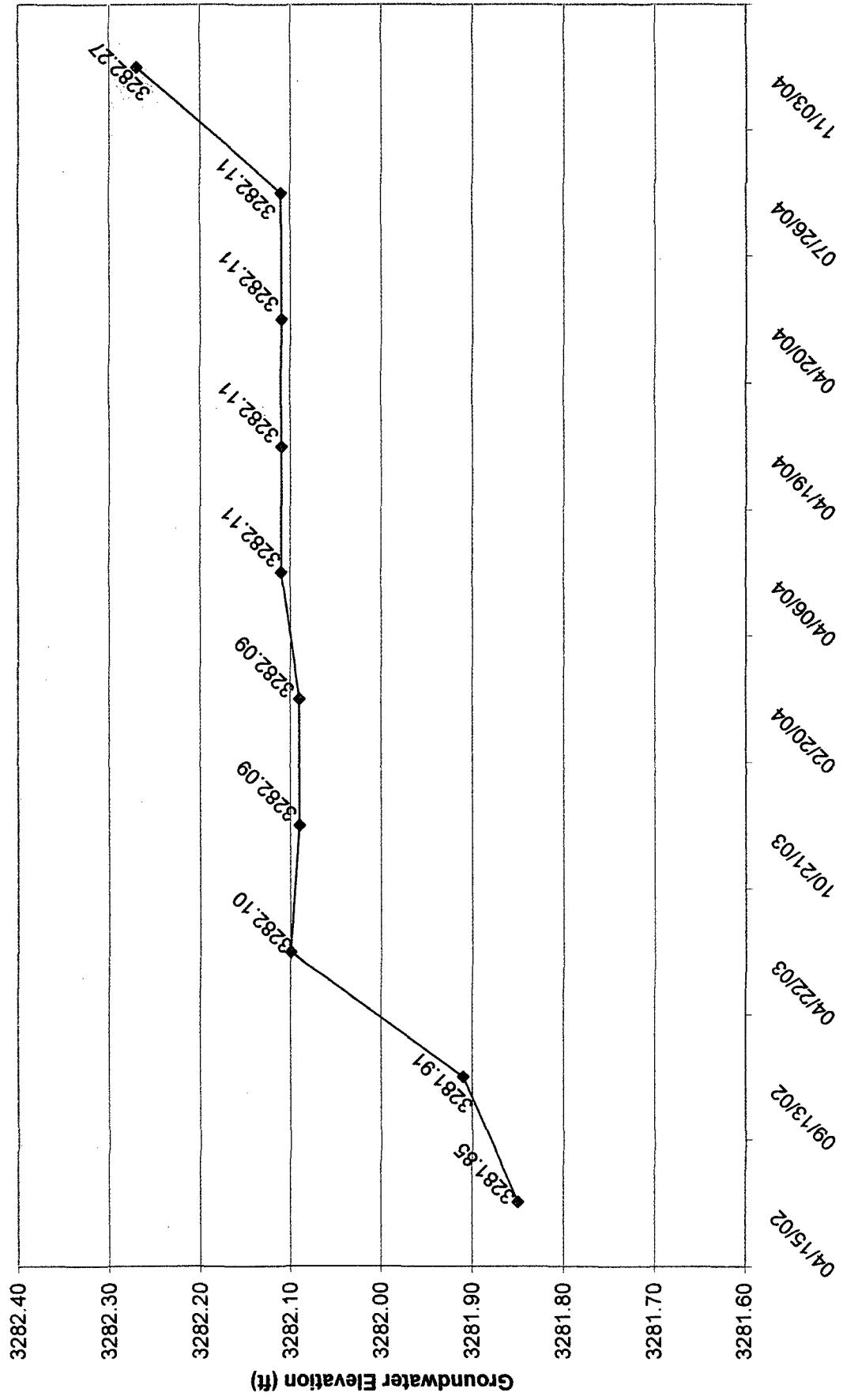
MWD-9 Hydrograph



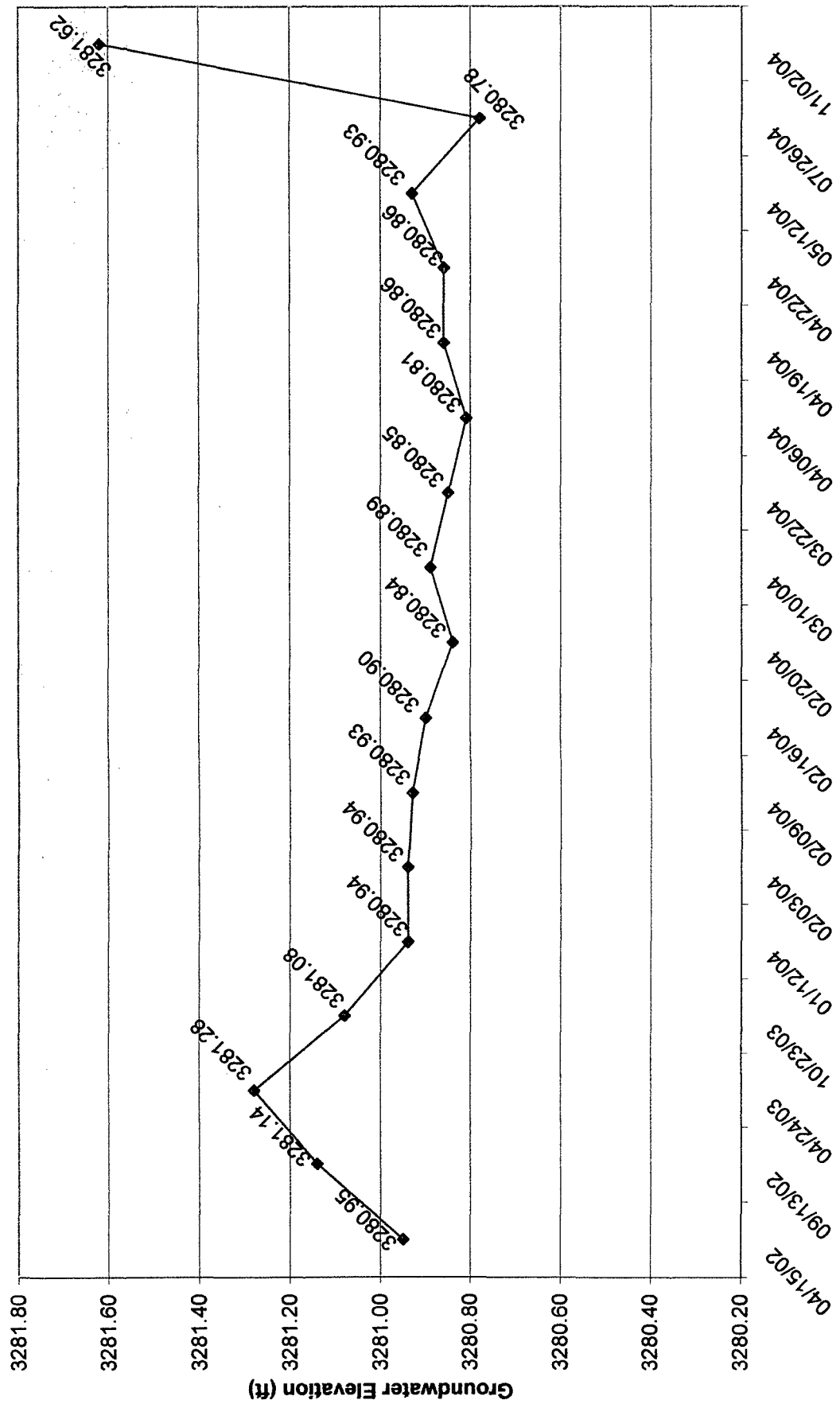
MWD-10 Hydrograph



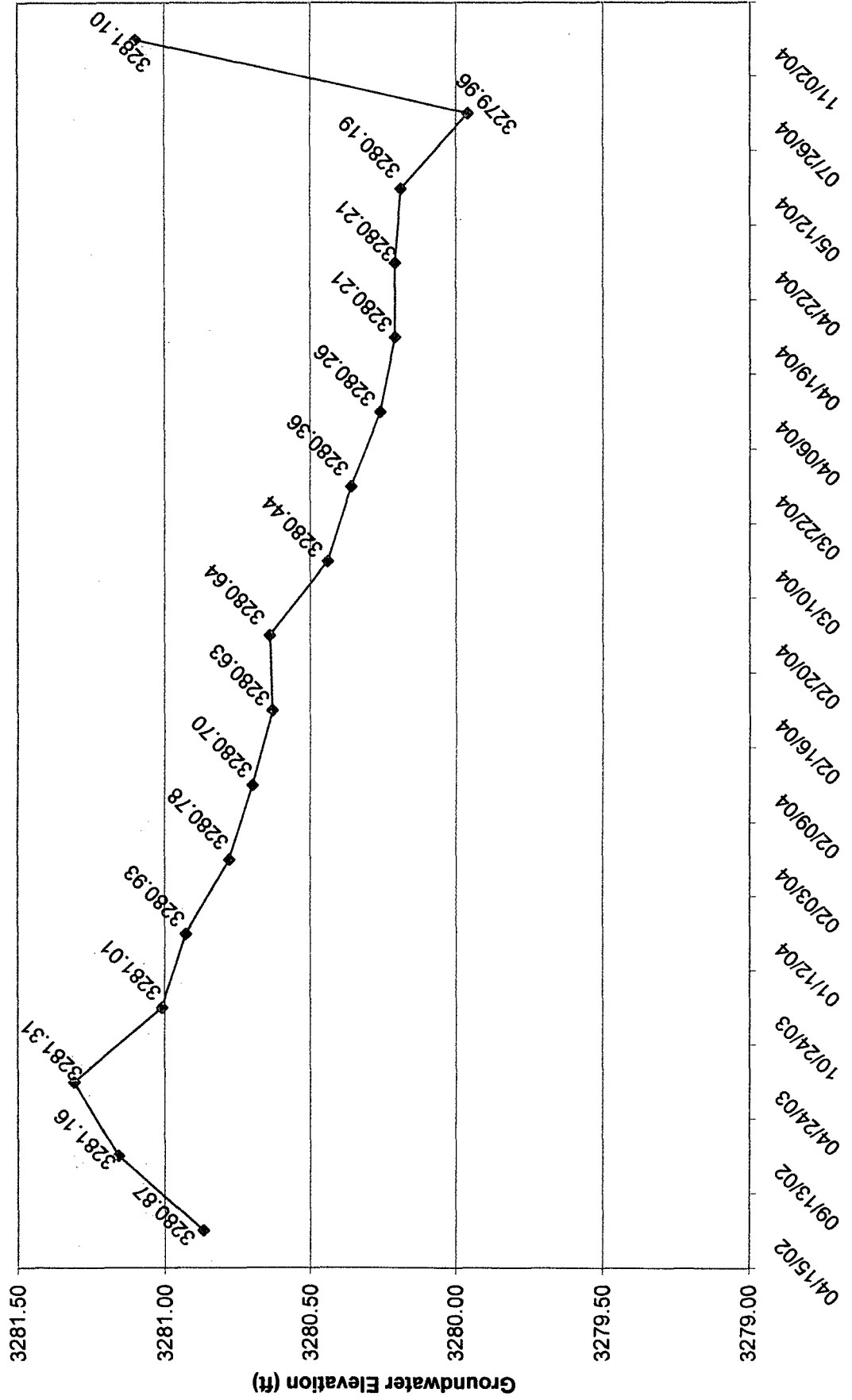
MWD-11 Hydrograph



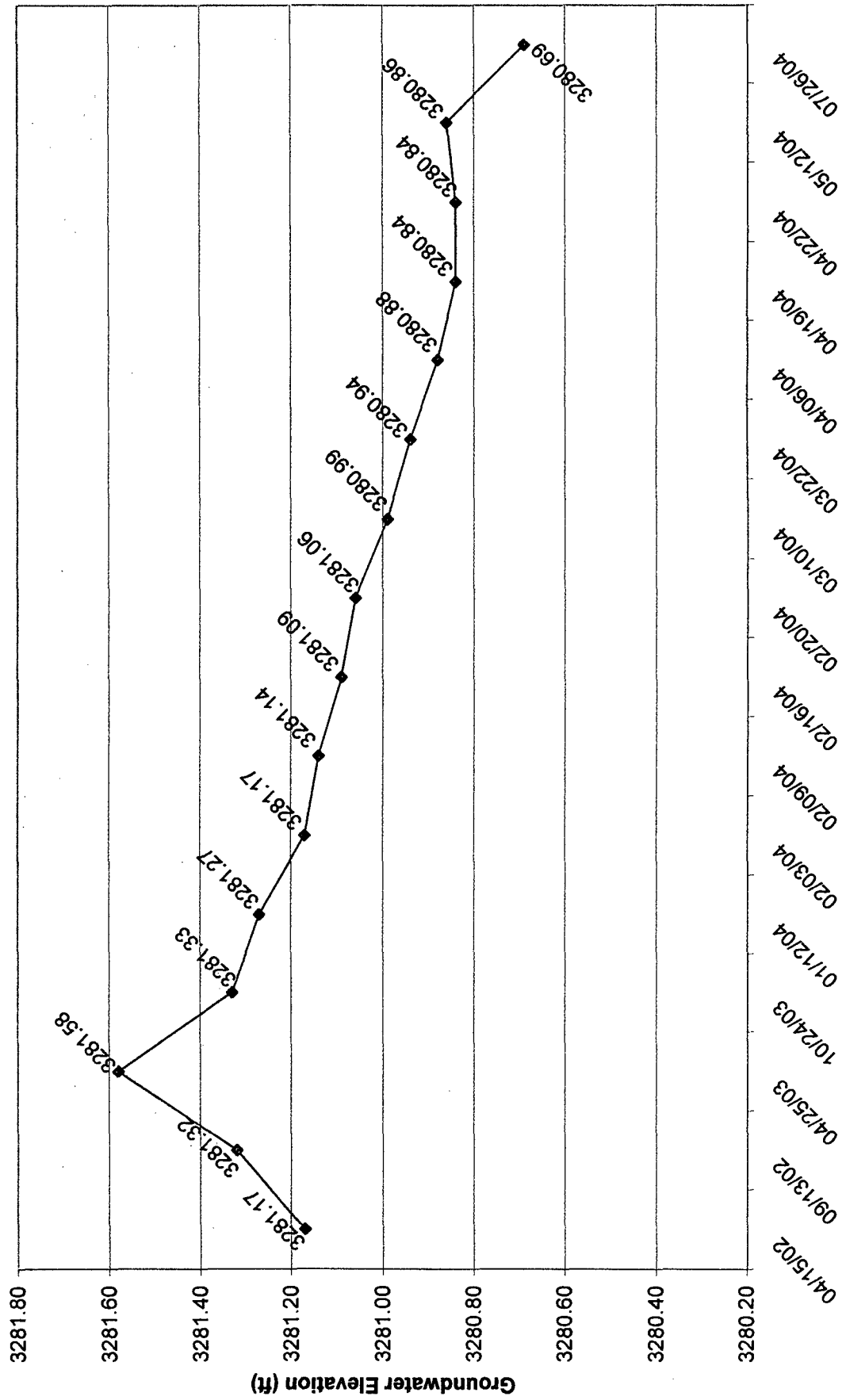
MWD-12 Hydrograph



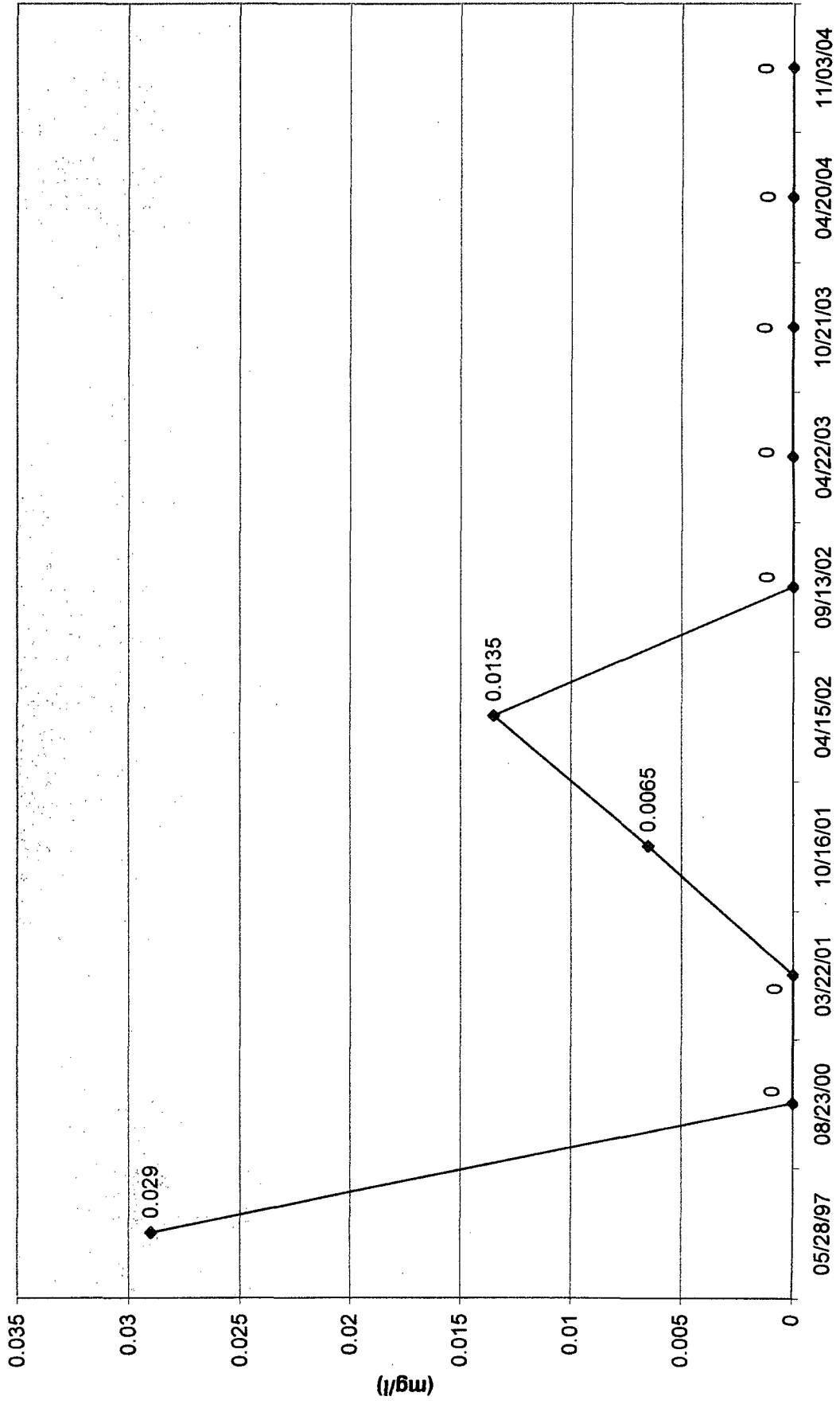
MWD-13 Hydrograph



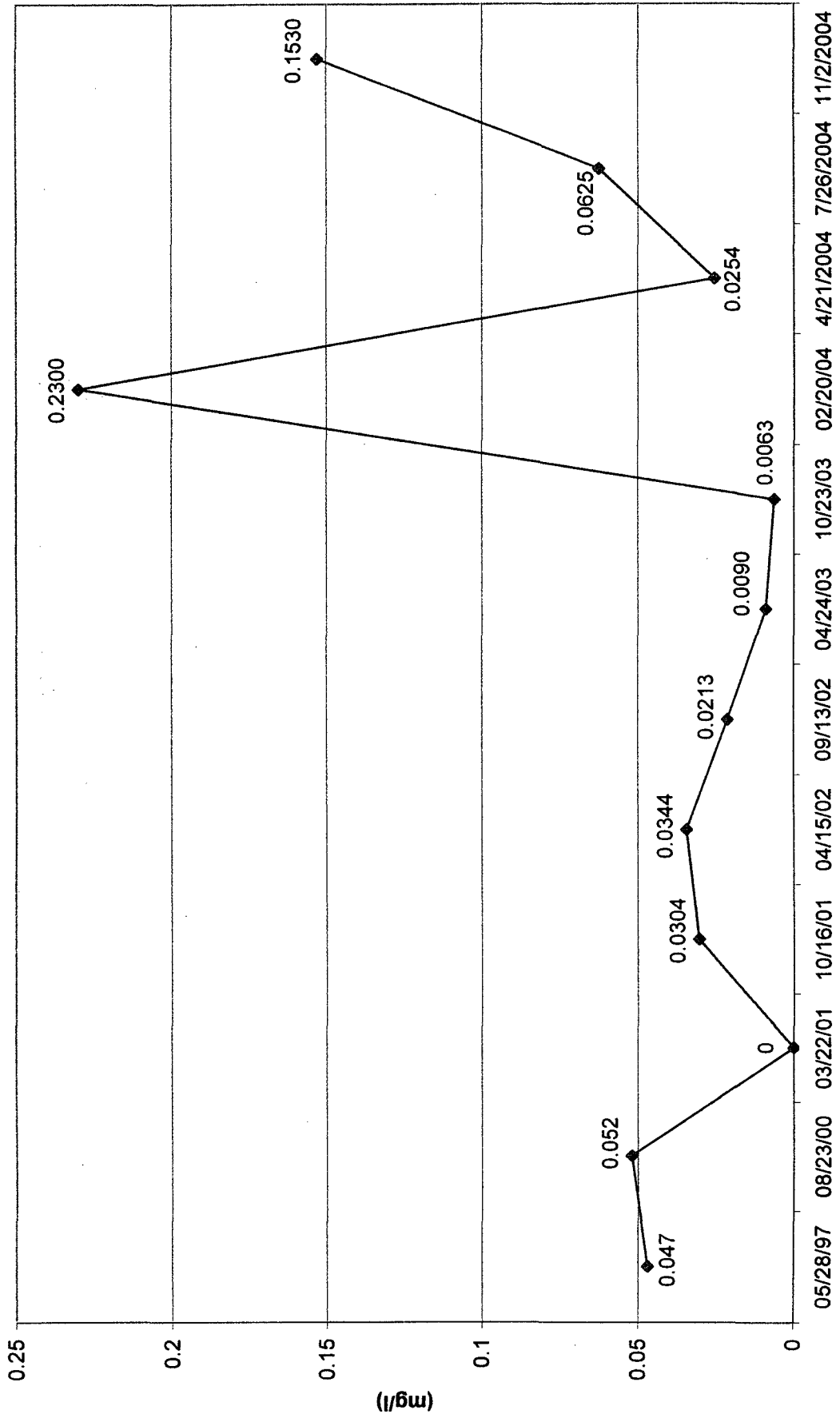
MWD-14 Hydrograph



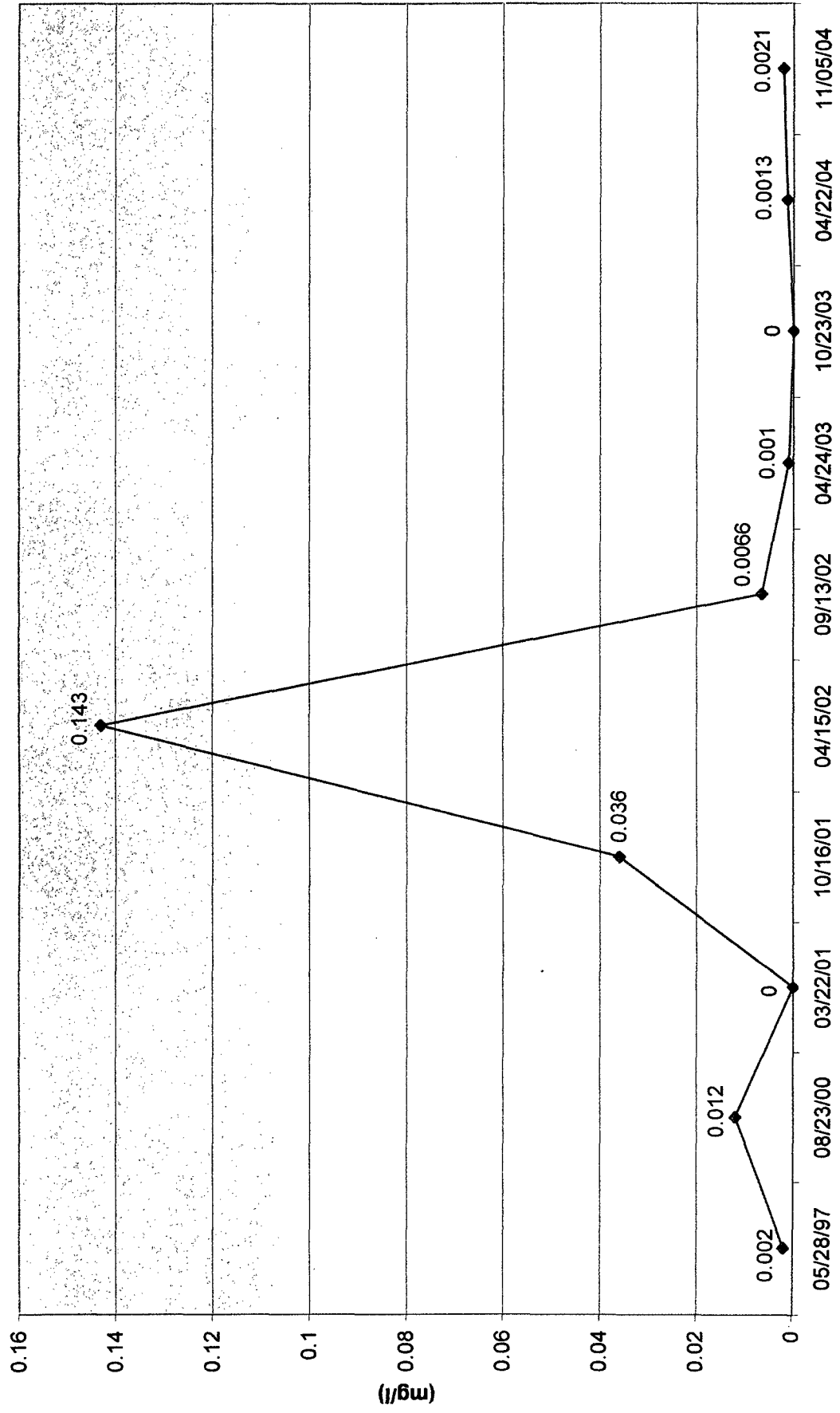
MW-3 Benzene Concentrations



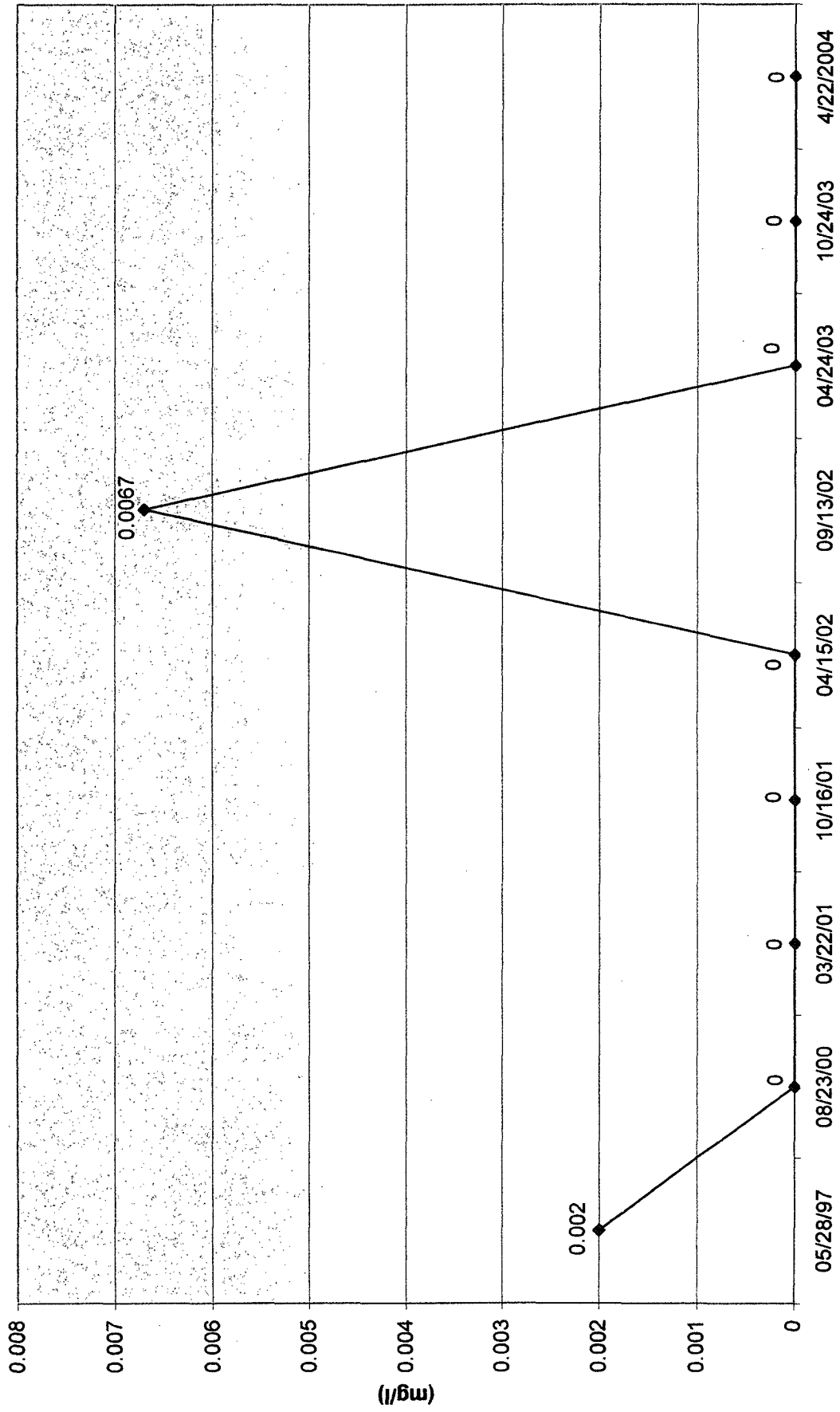
MW-4 Benzene Concentrations



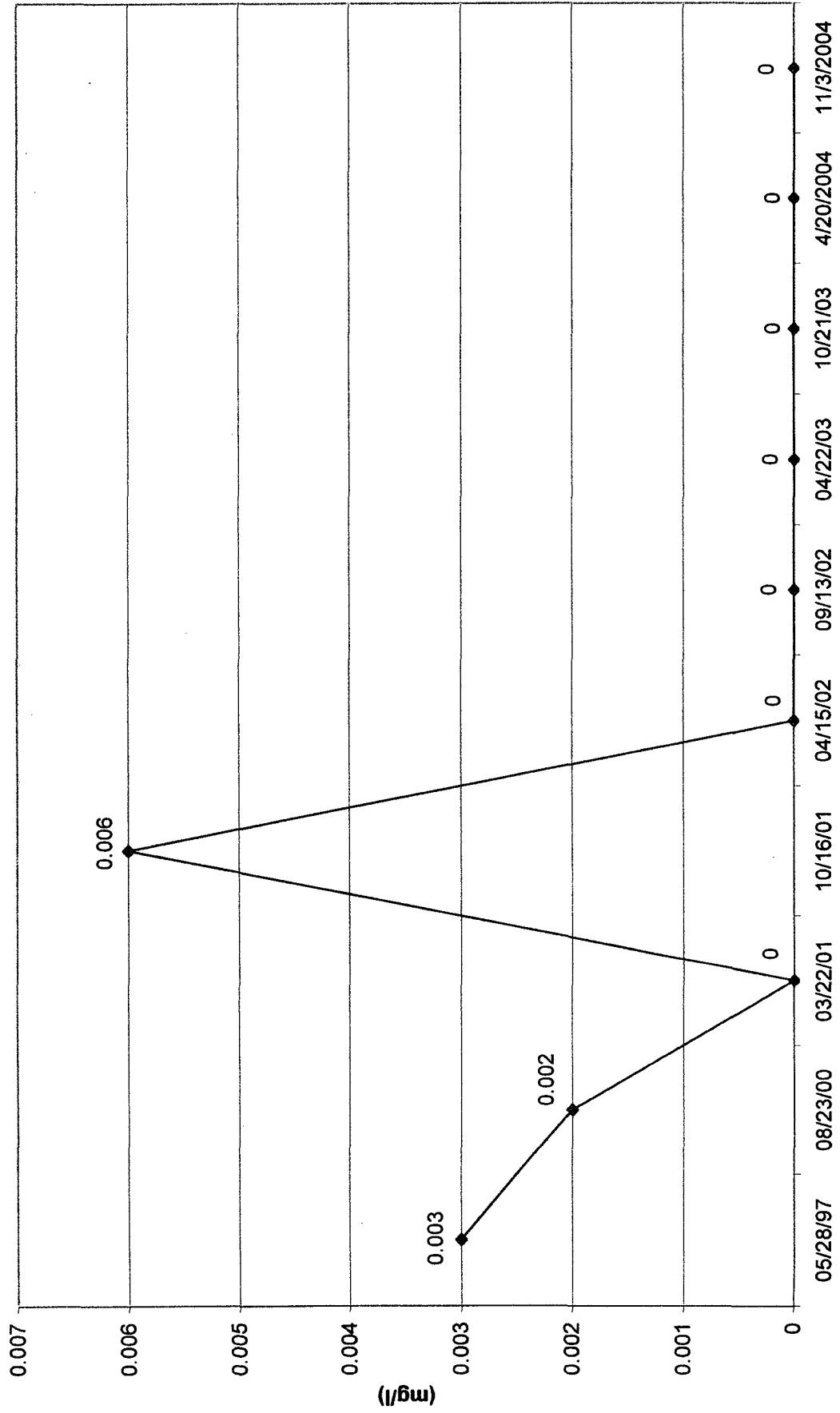
MW-6 Benzene Concentrations



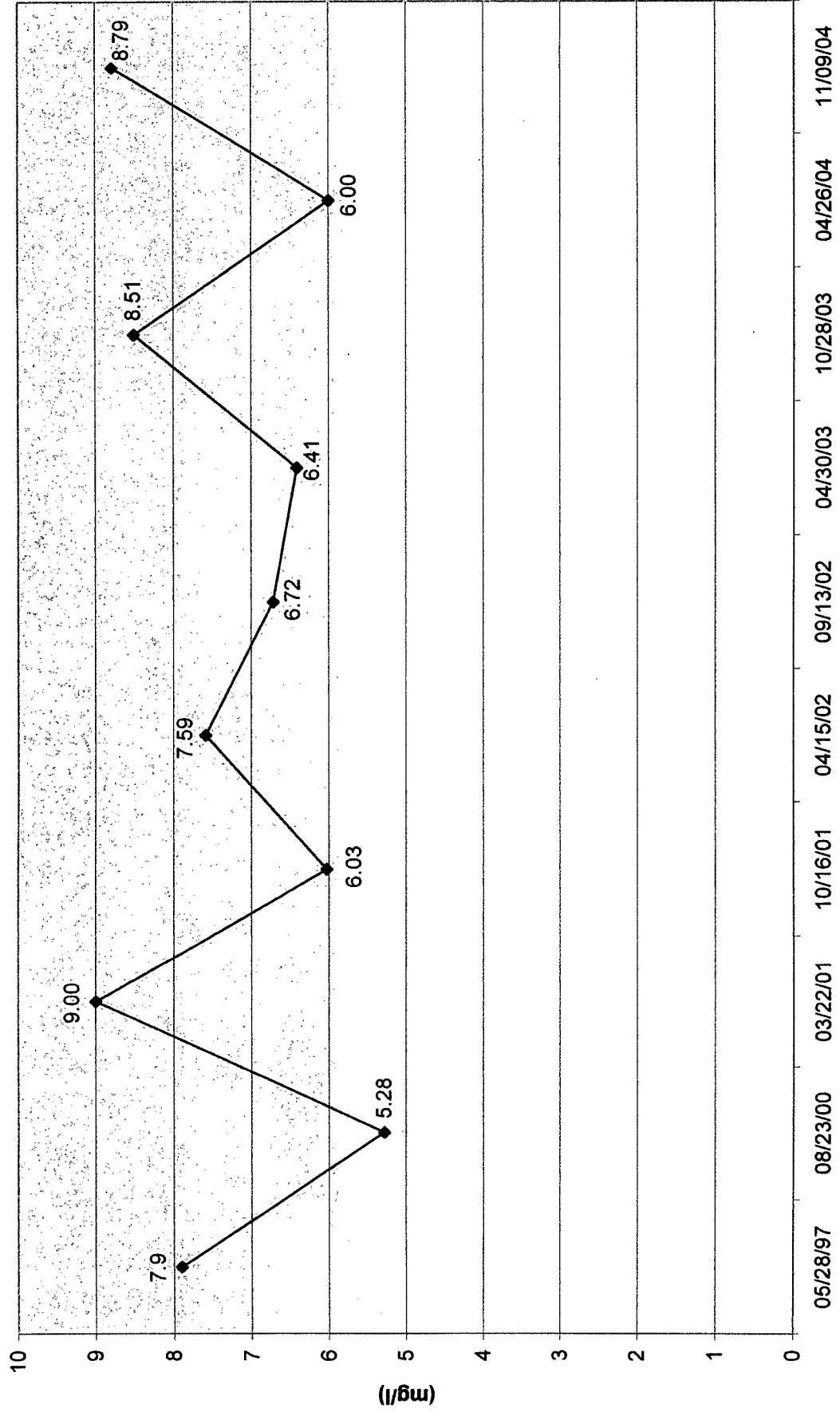
MW-7 Benzene Concentrations



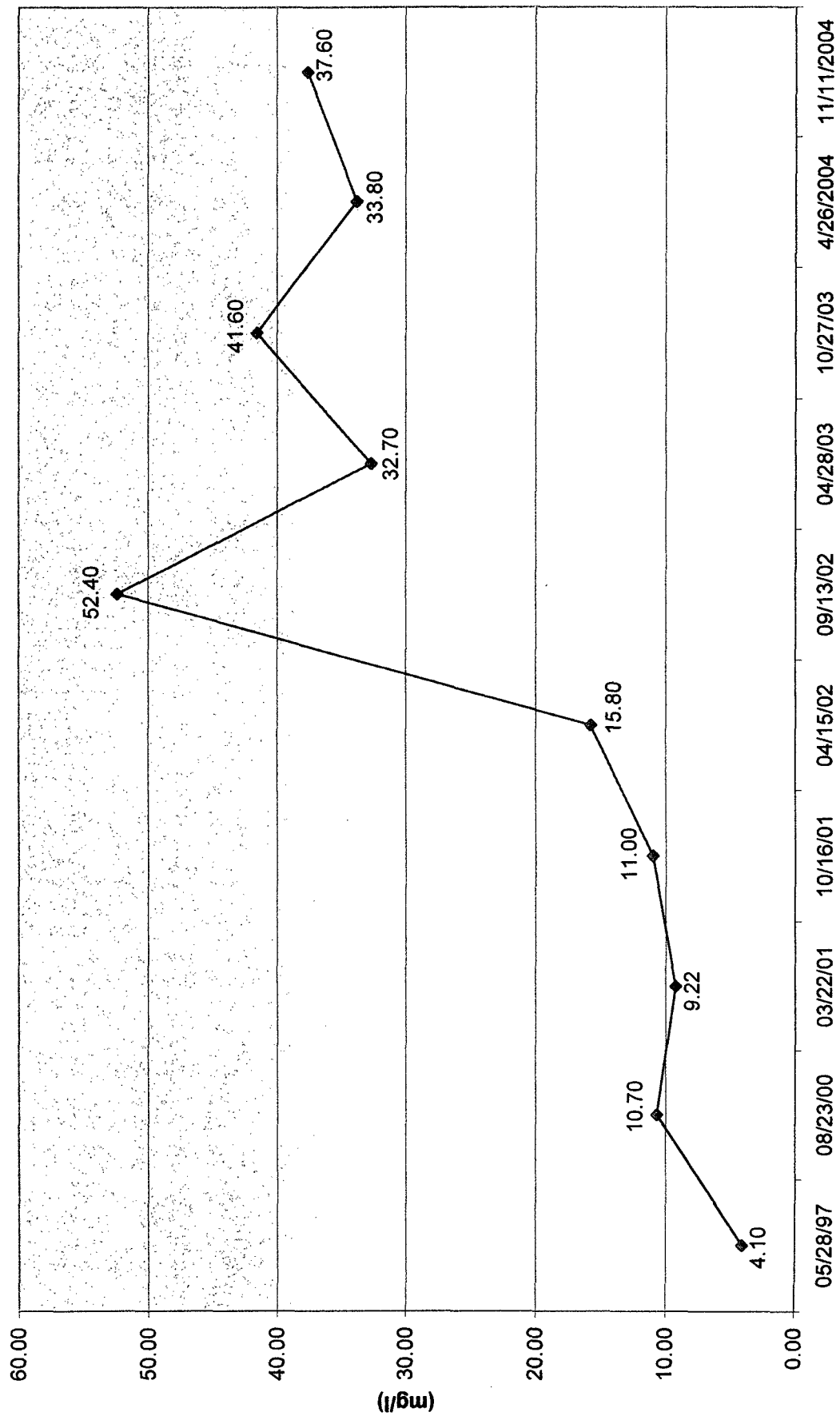
MW-8 Benzene Concentrations



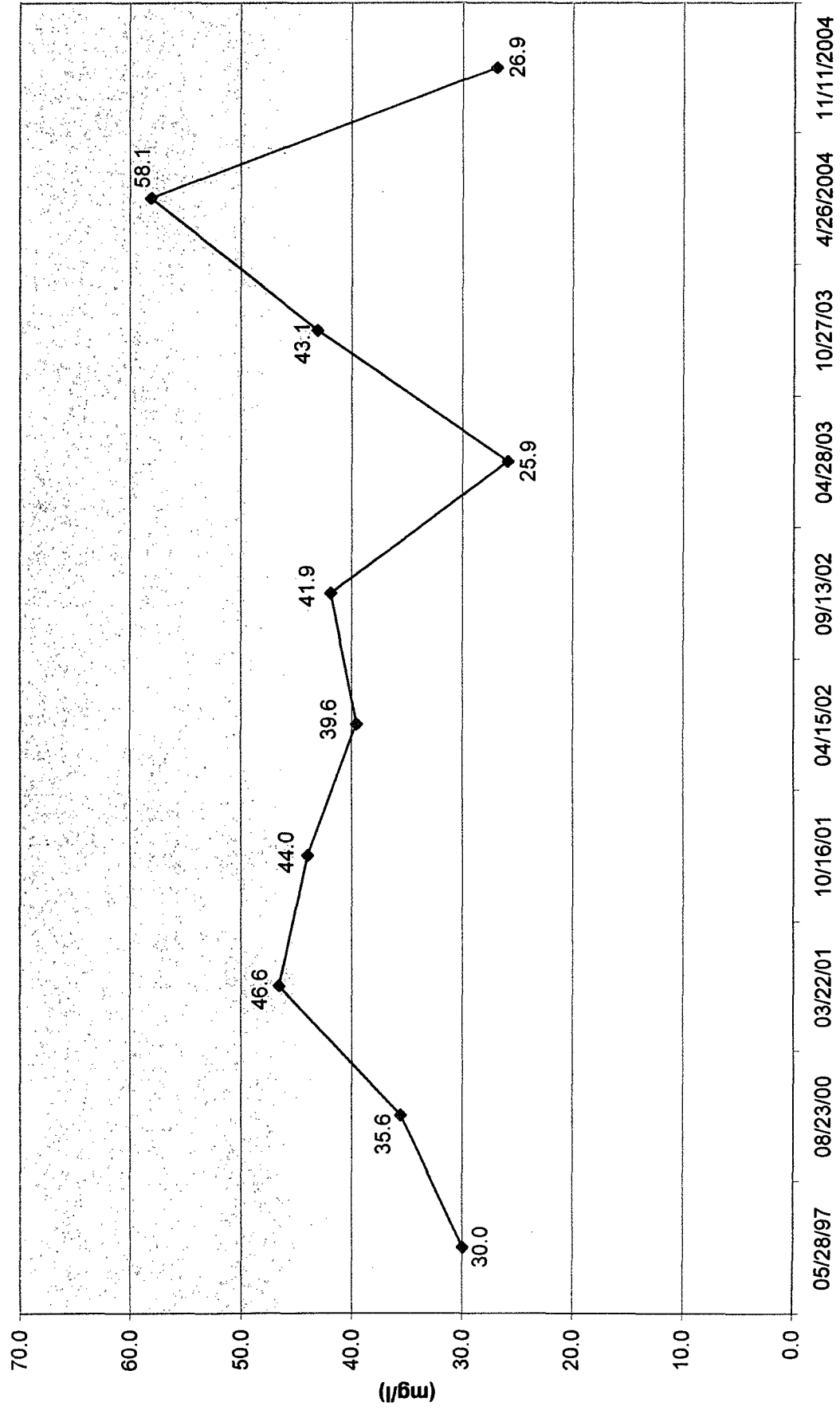
MW-9 Benzene Concentrations



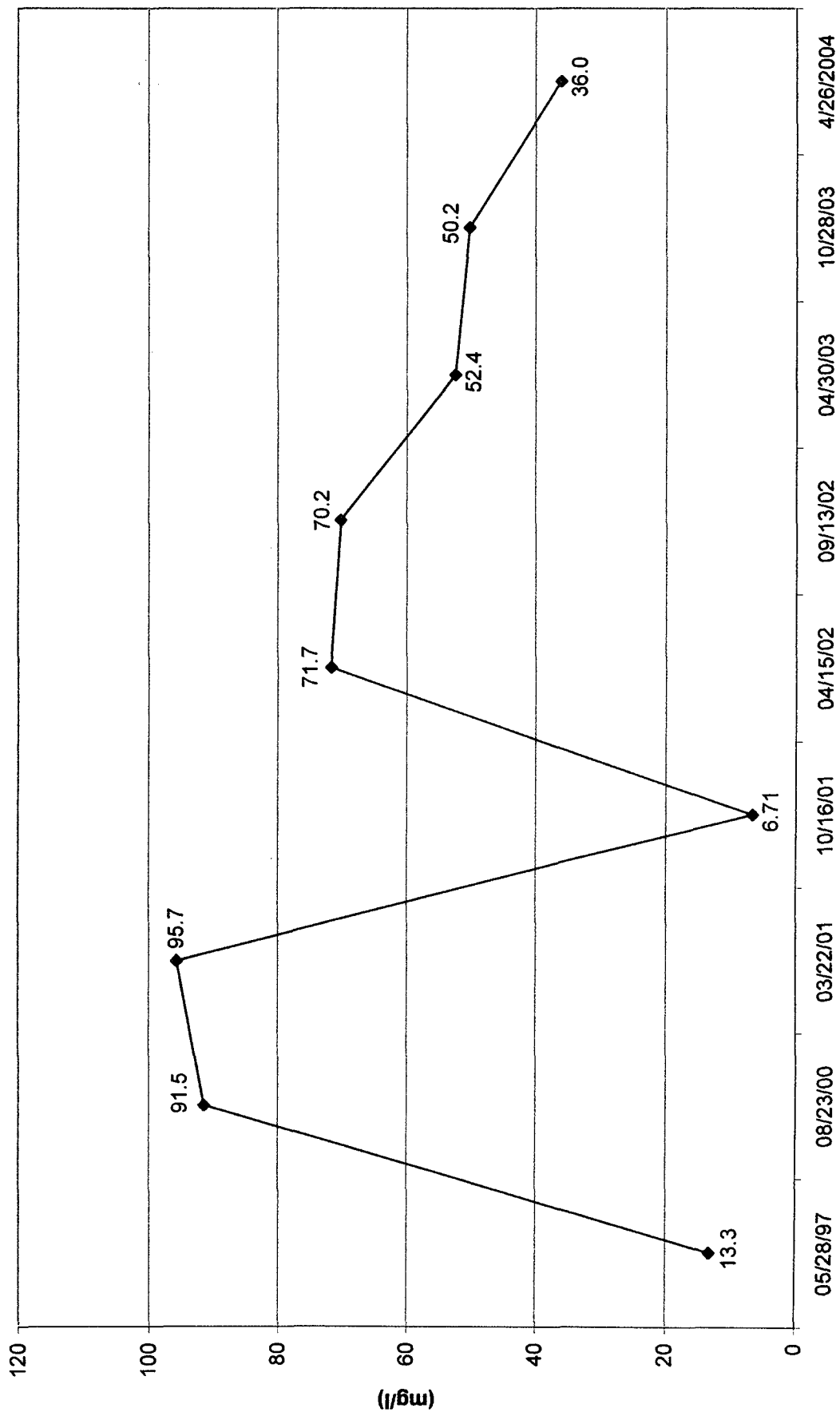
MW-10 Benzene Concentrations



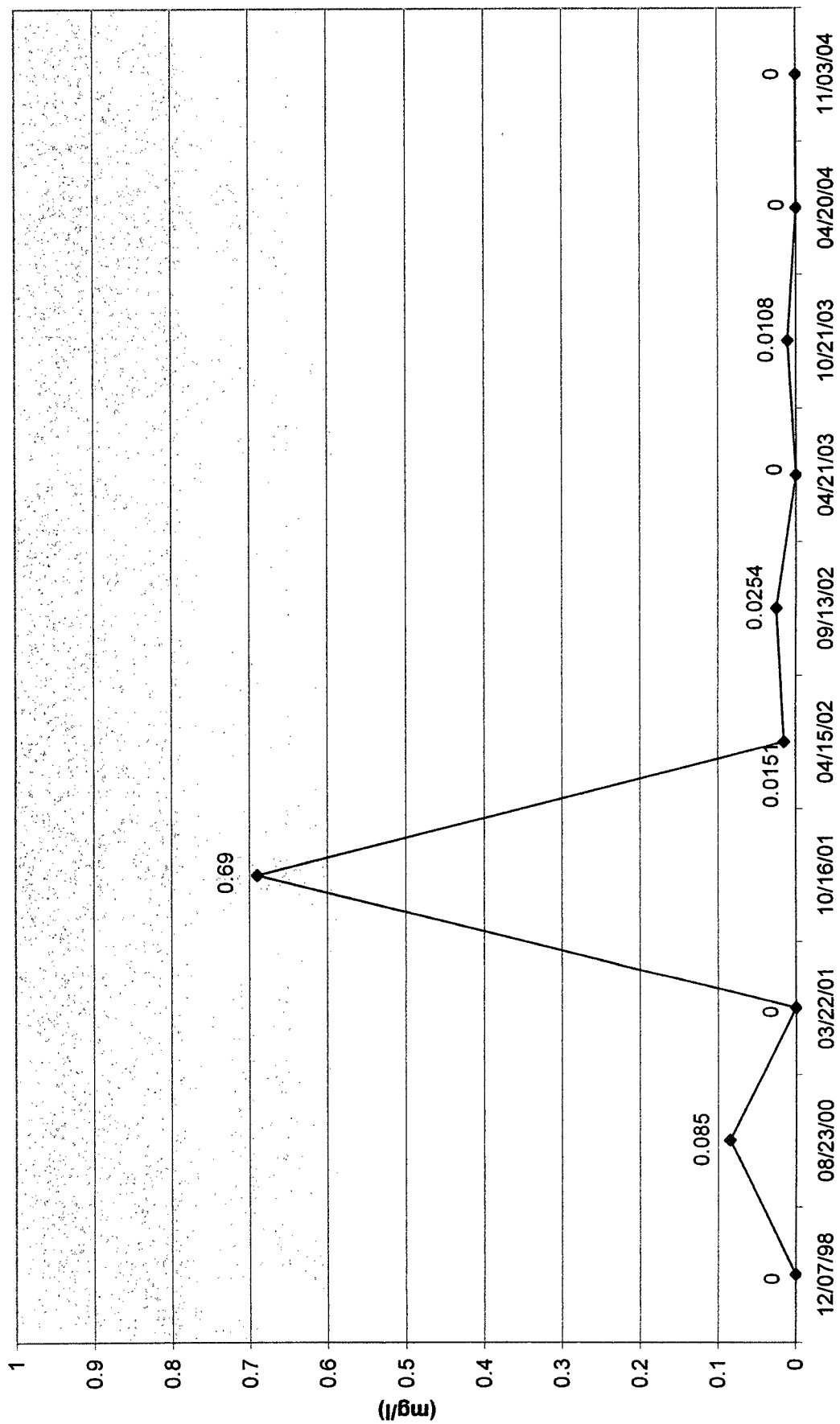
MW-11 Benzene Concentrations



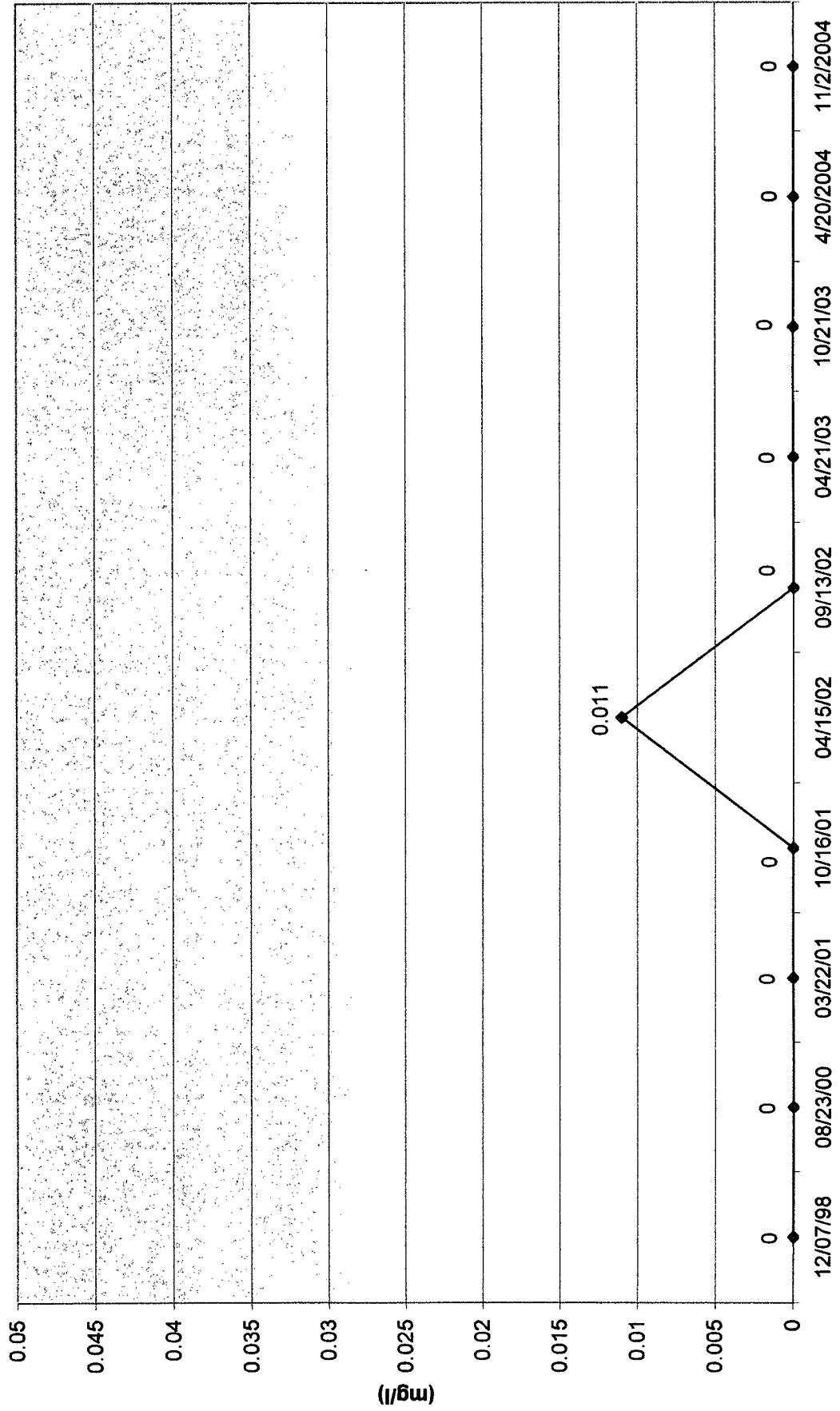
MW-12 Benzene Concentrations



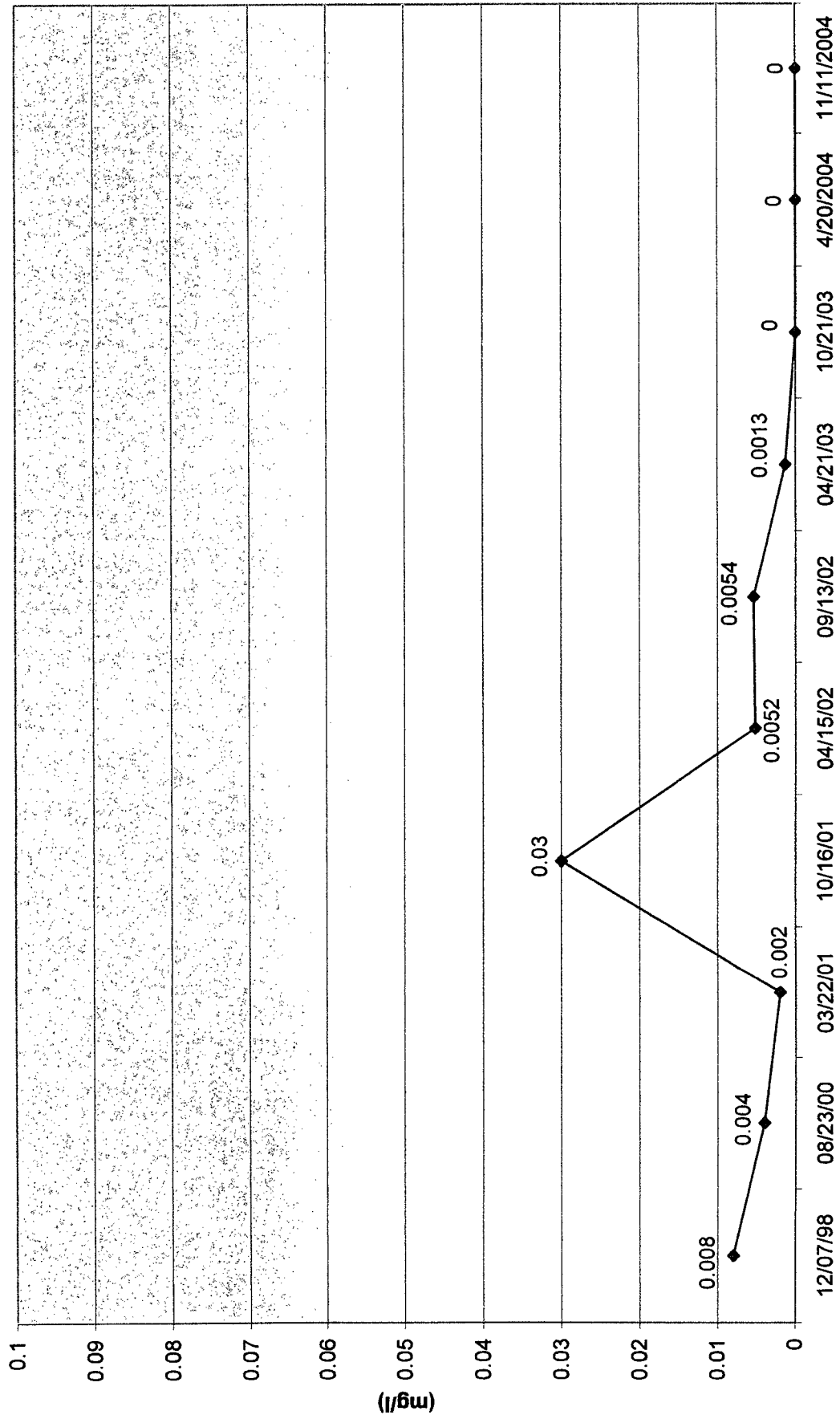
MW-13 Benzene Concentrations



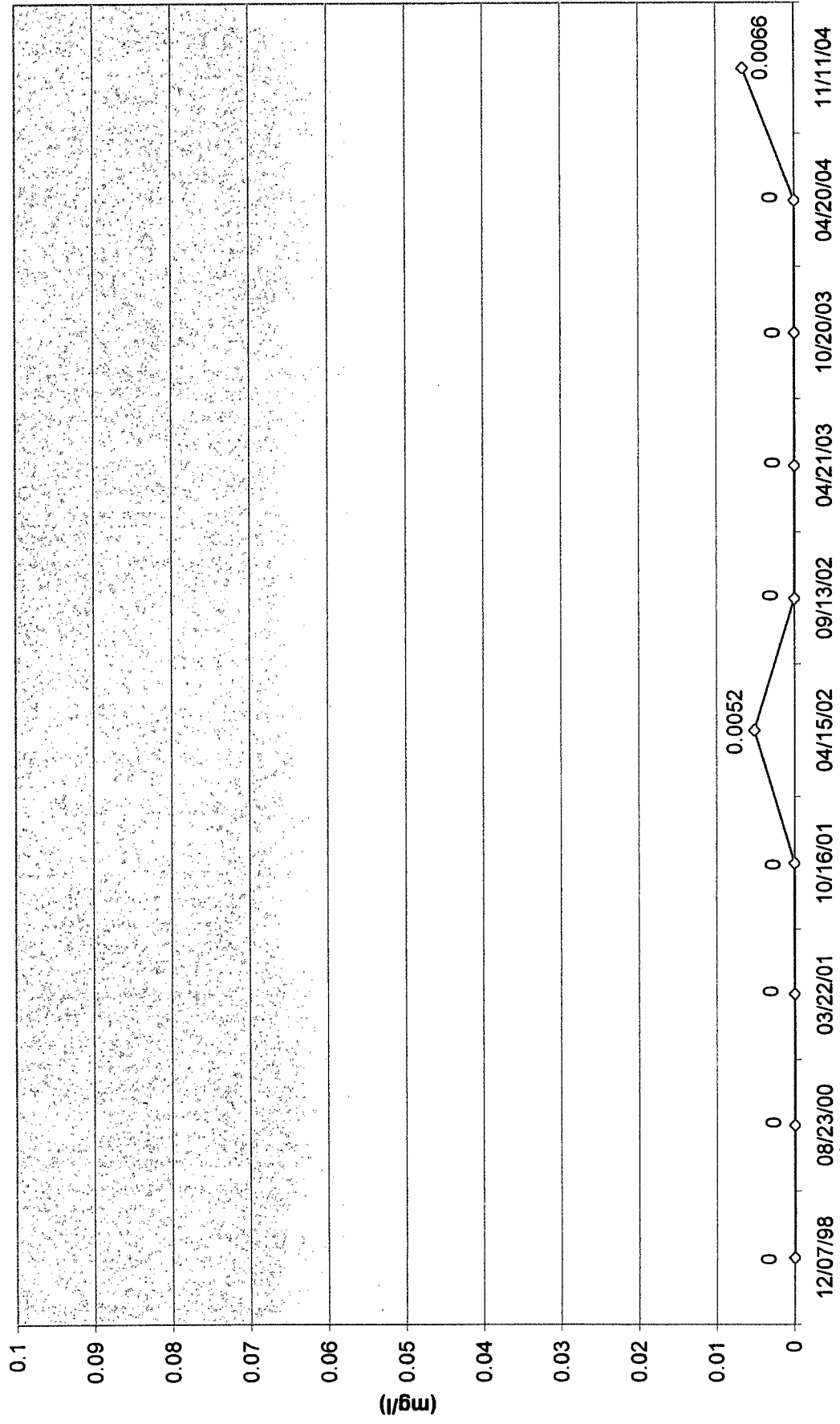
MW-14 Benzene Concentrations



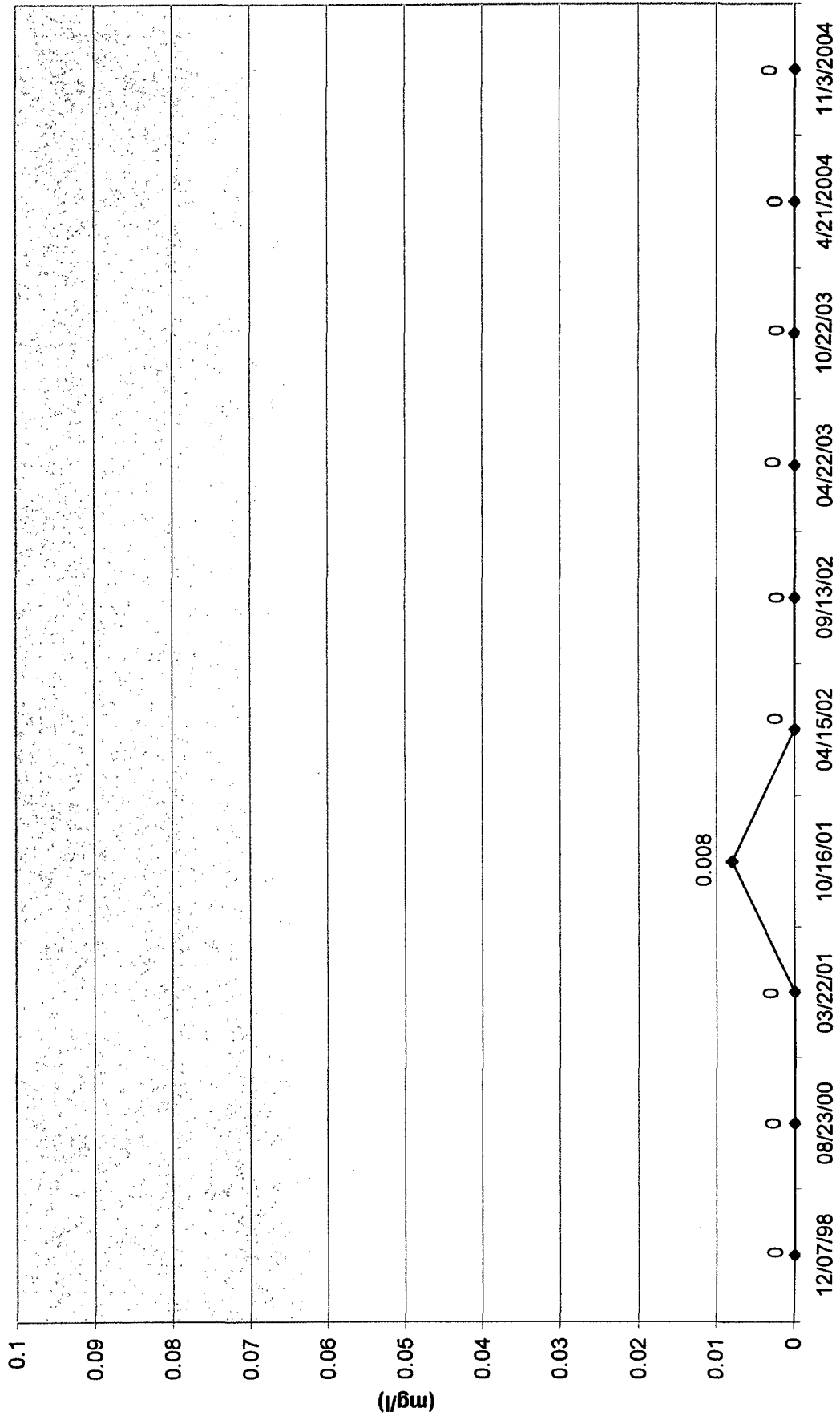
IWW-15 Benzene Concentrations



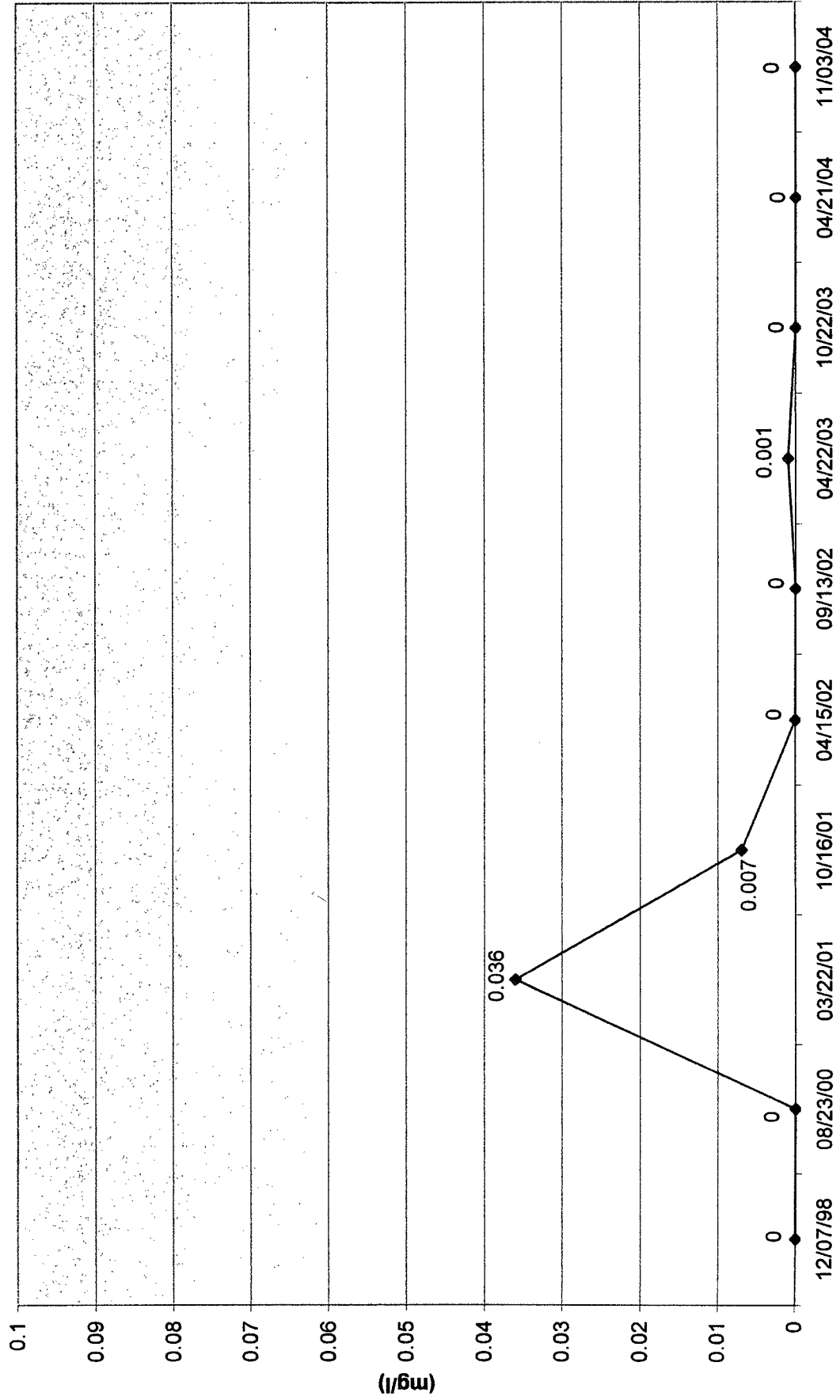
MW-16 Benzene Concentrations



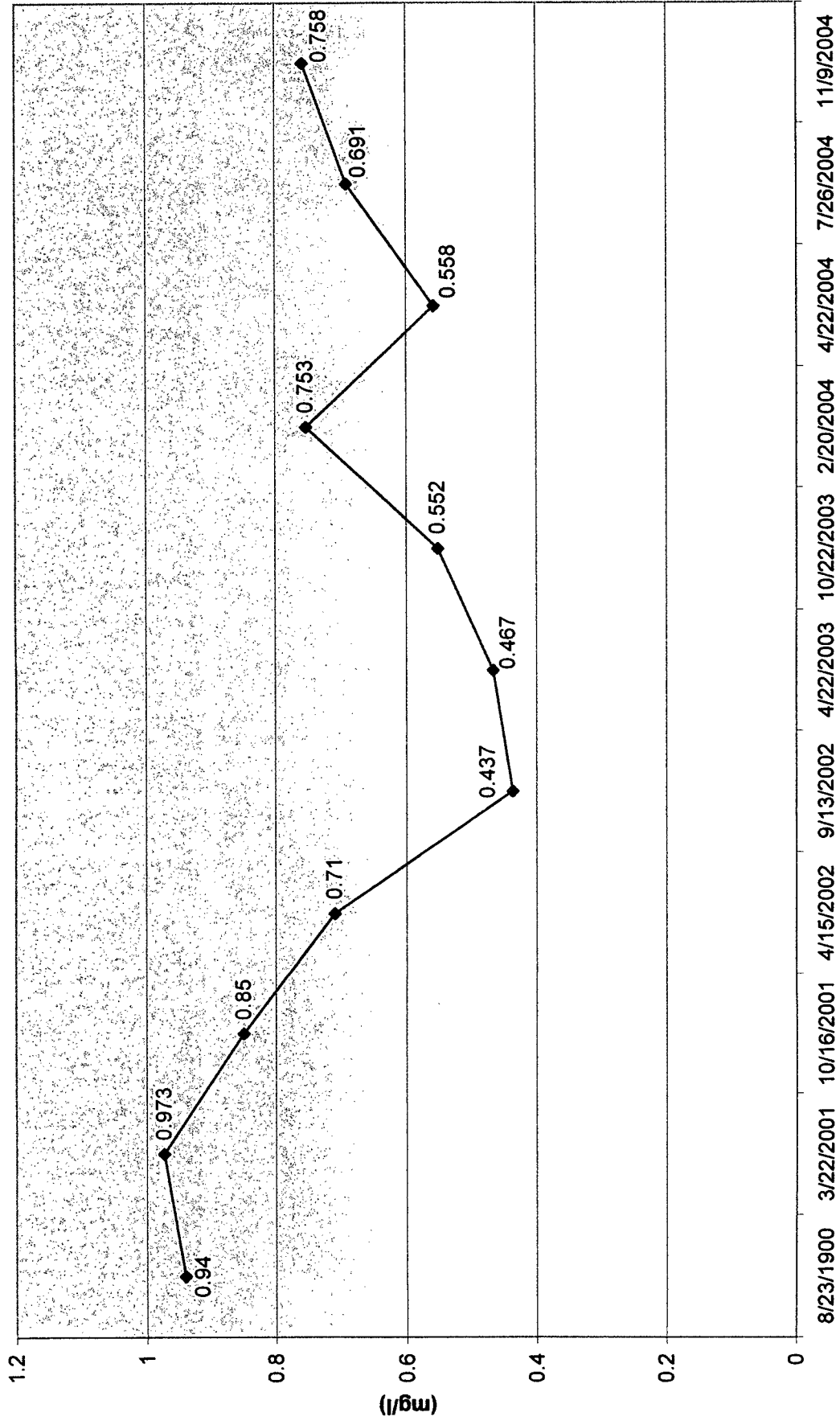
MW-17 Benzene Concentrations



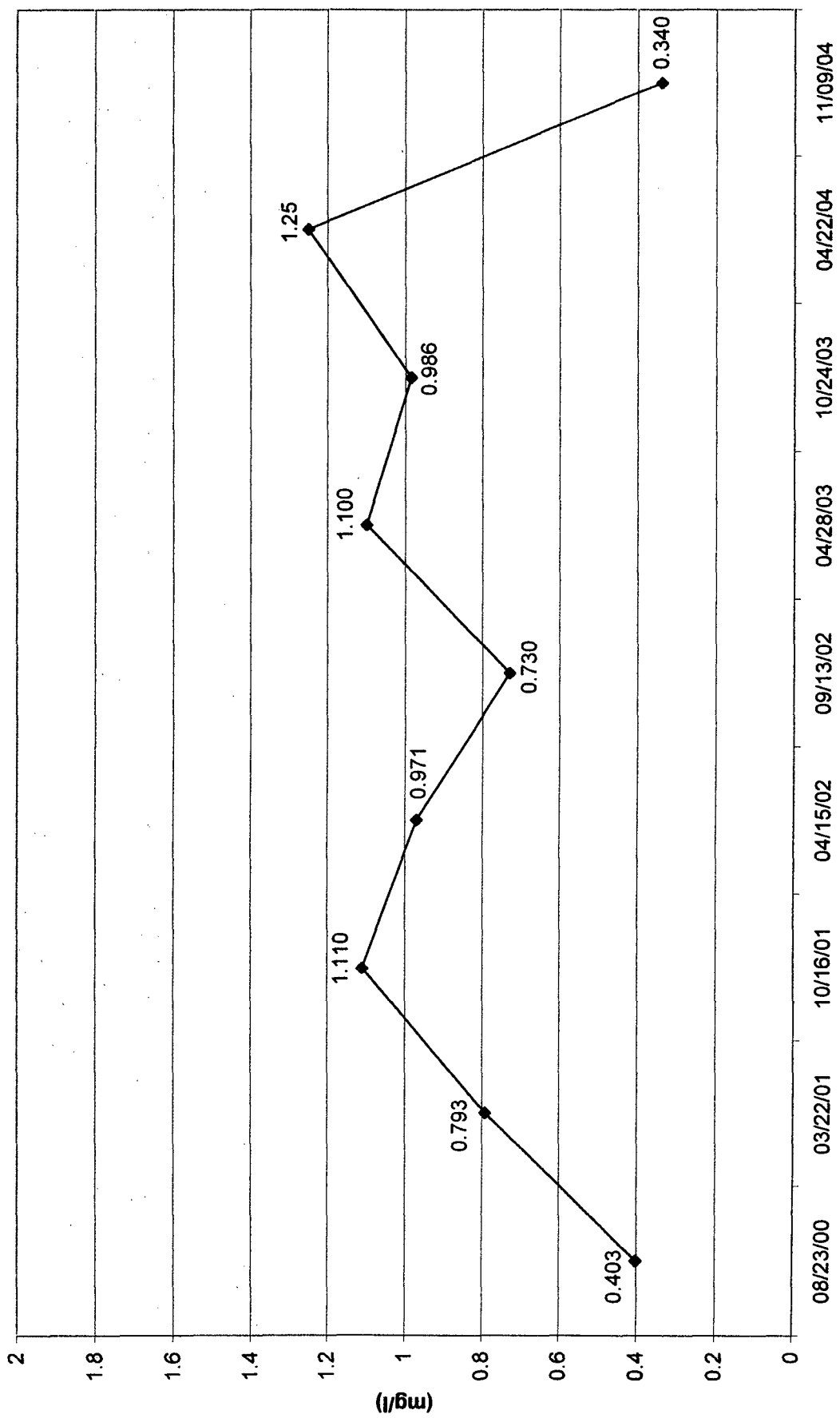
MW-18 Benzene Concentrations



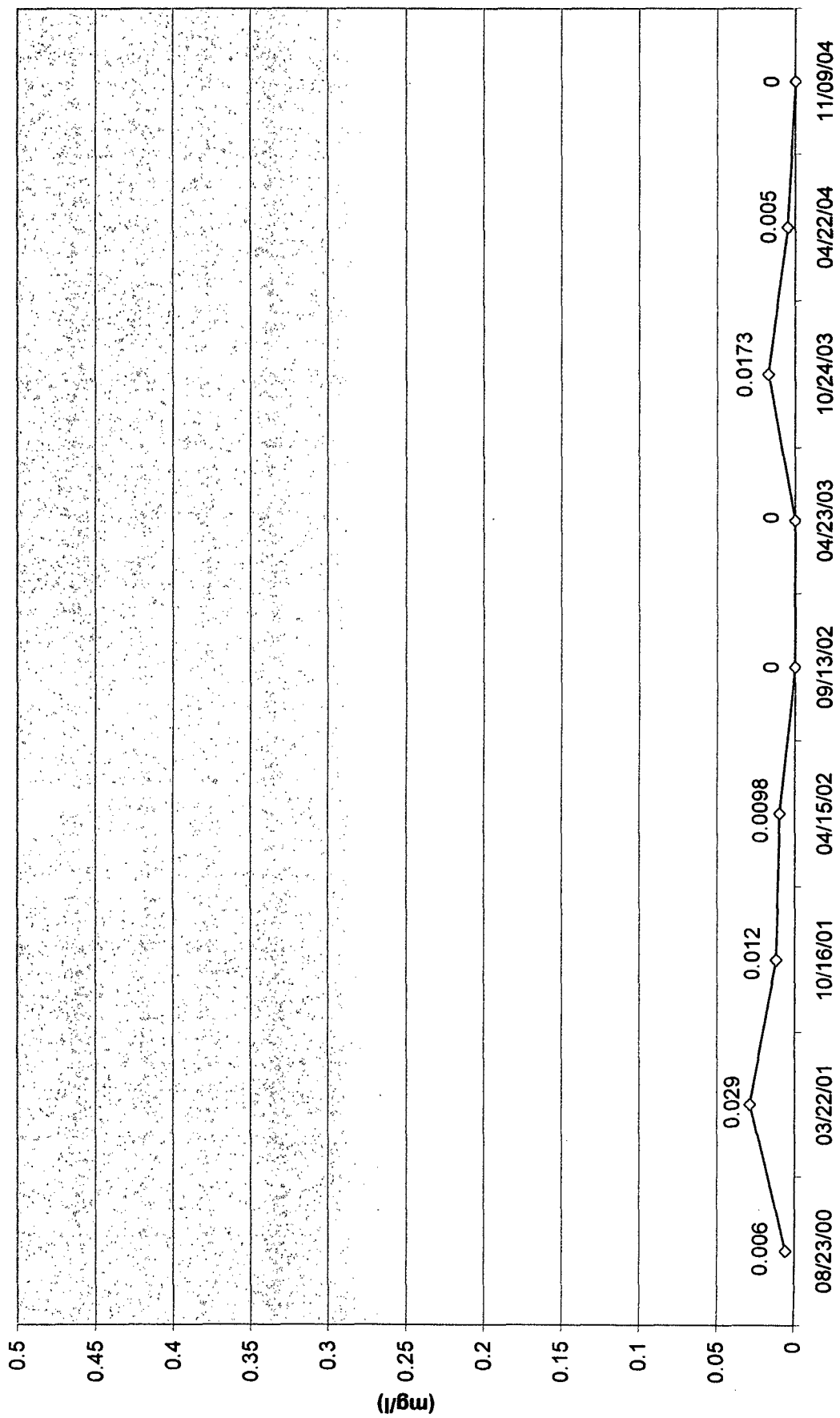
MW-19 Benzene Concentrations



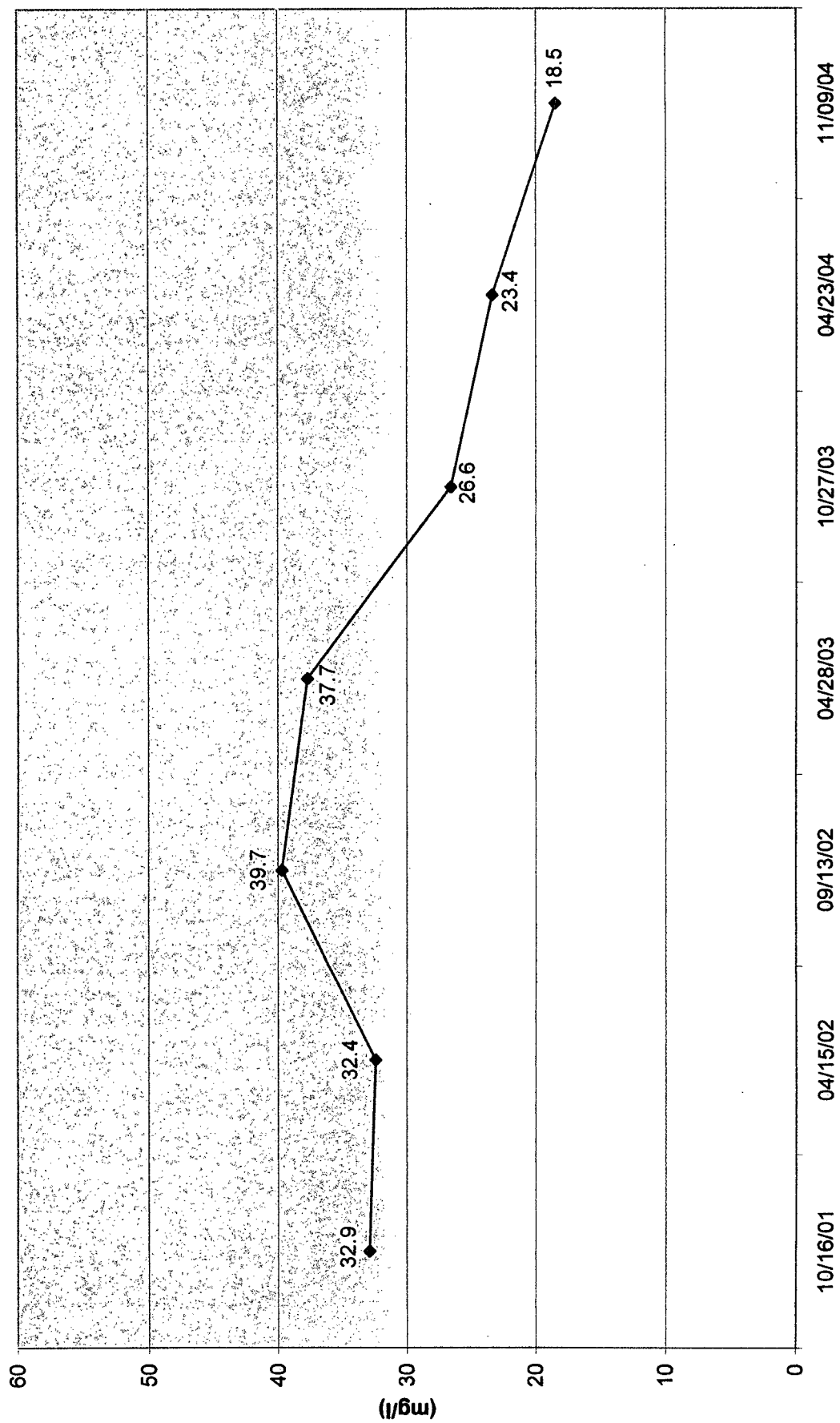
MW-22 Benzene Concentrations



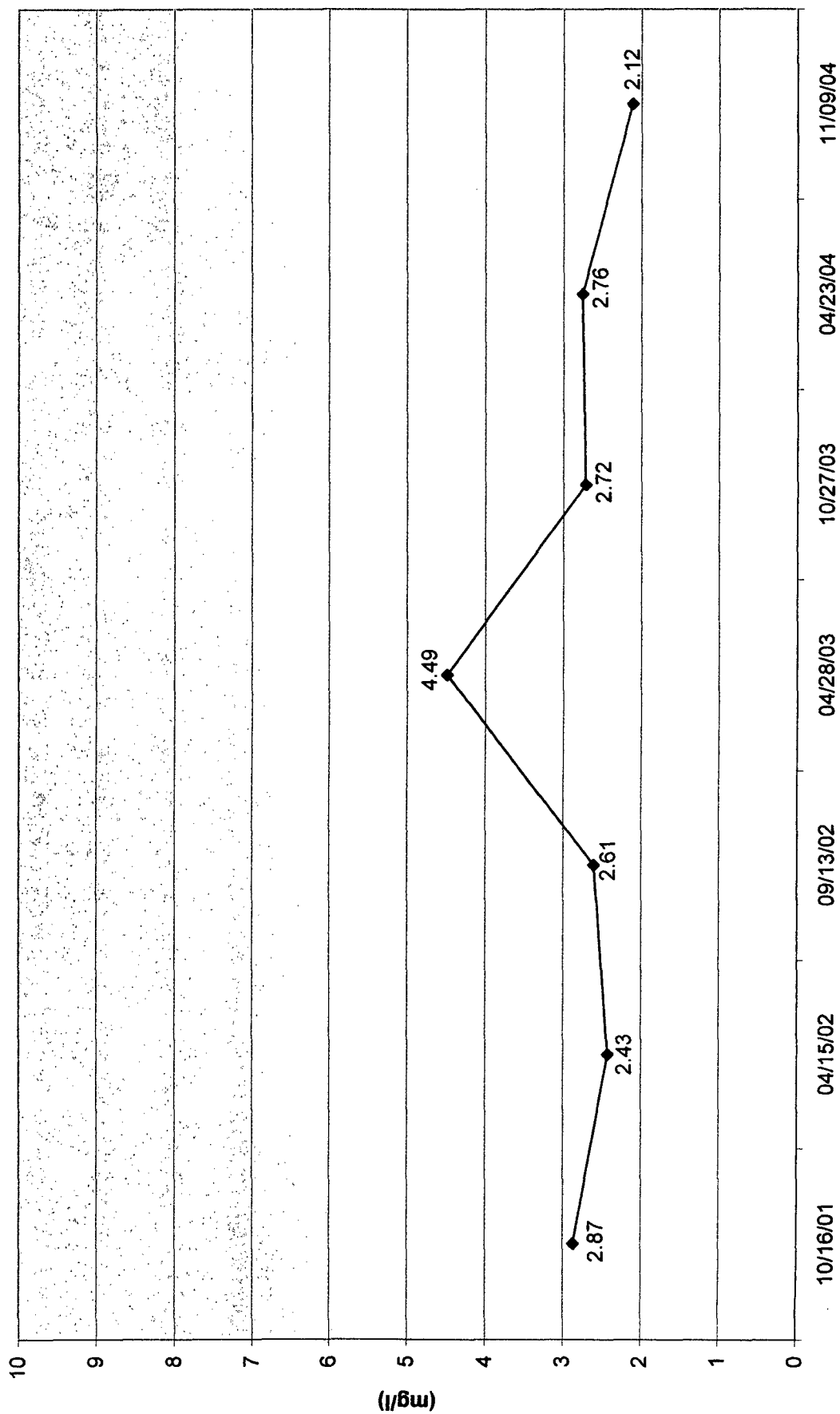
MW-23 Benzene Concentrations



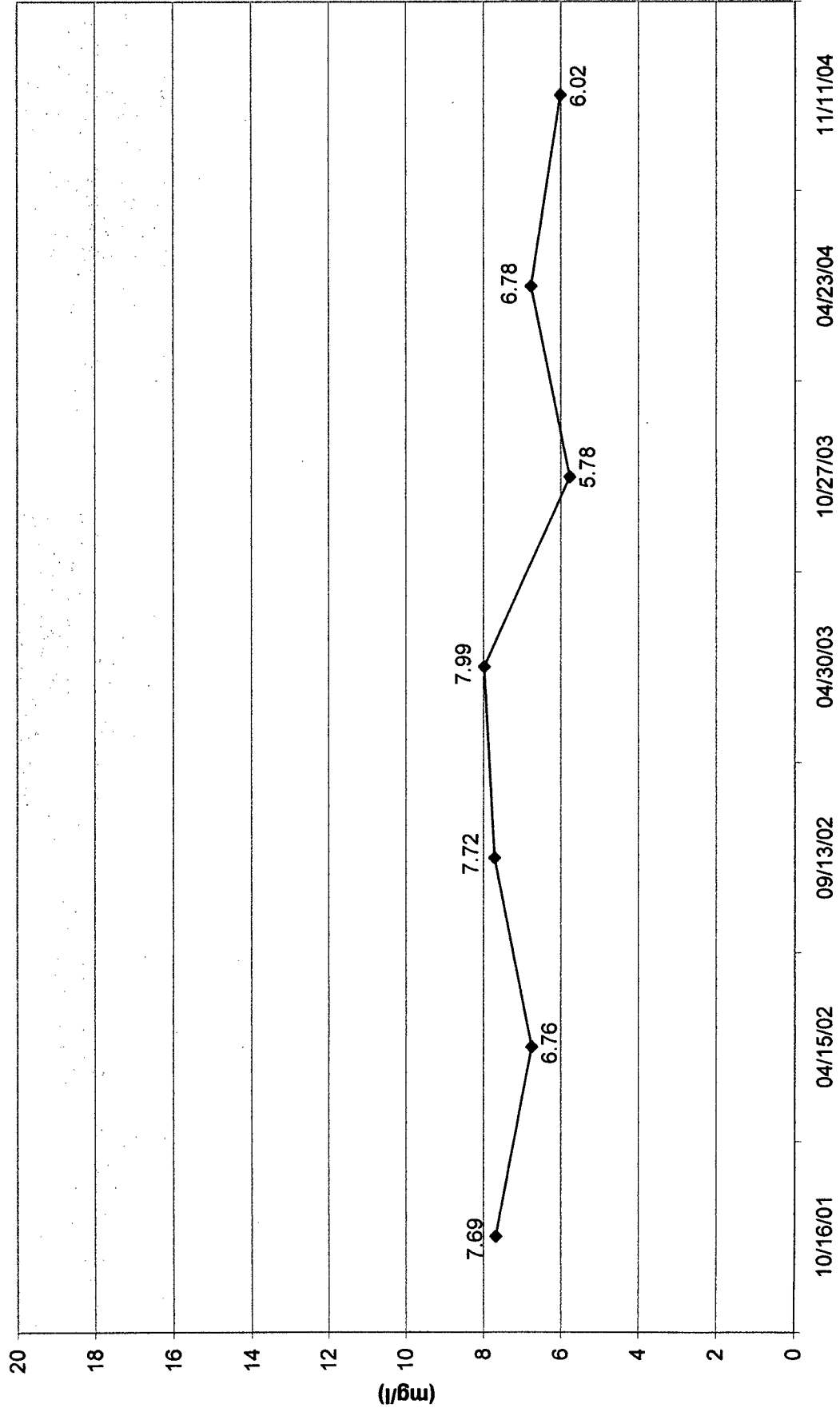
MW-24 Benzene Concentrations



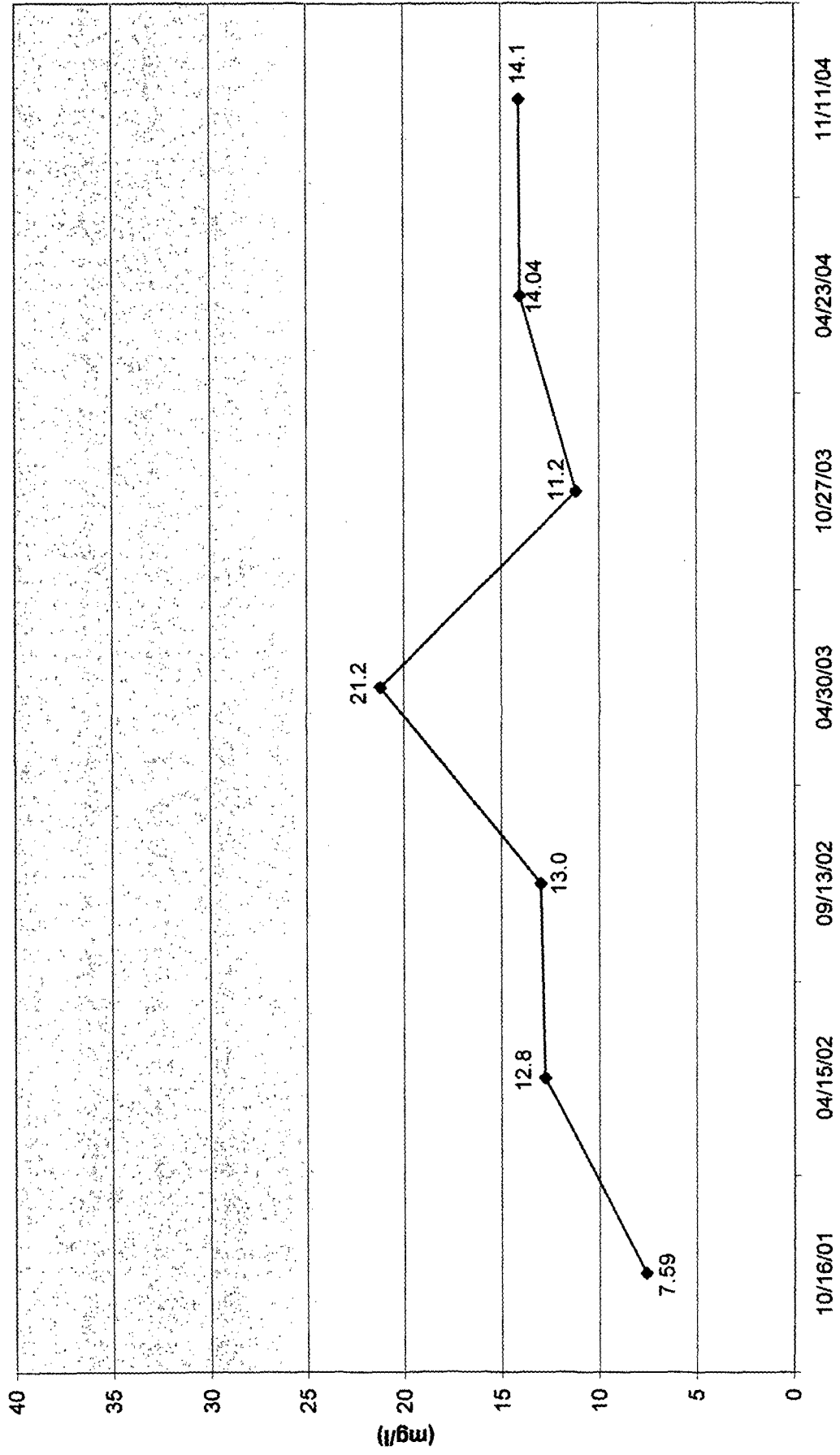
MW-25 Benzene Concentrations



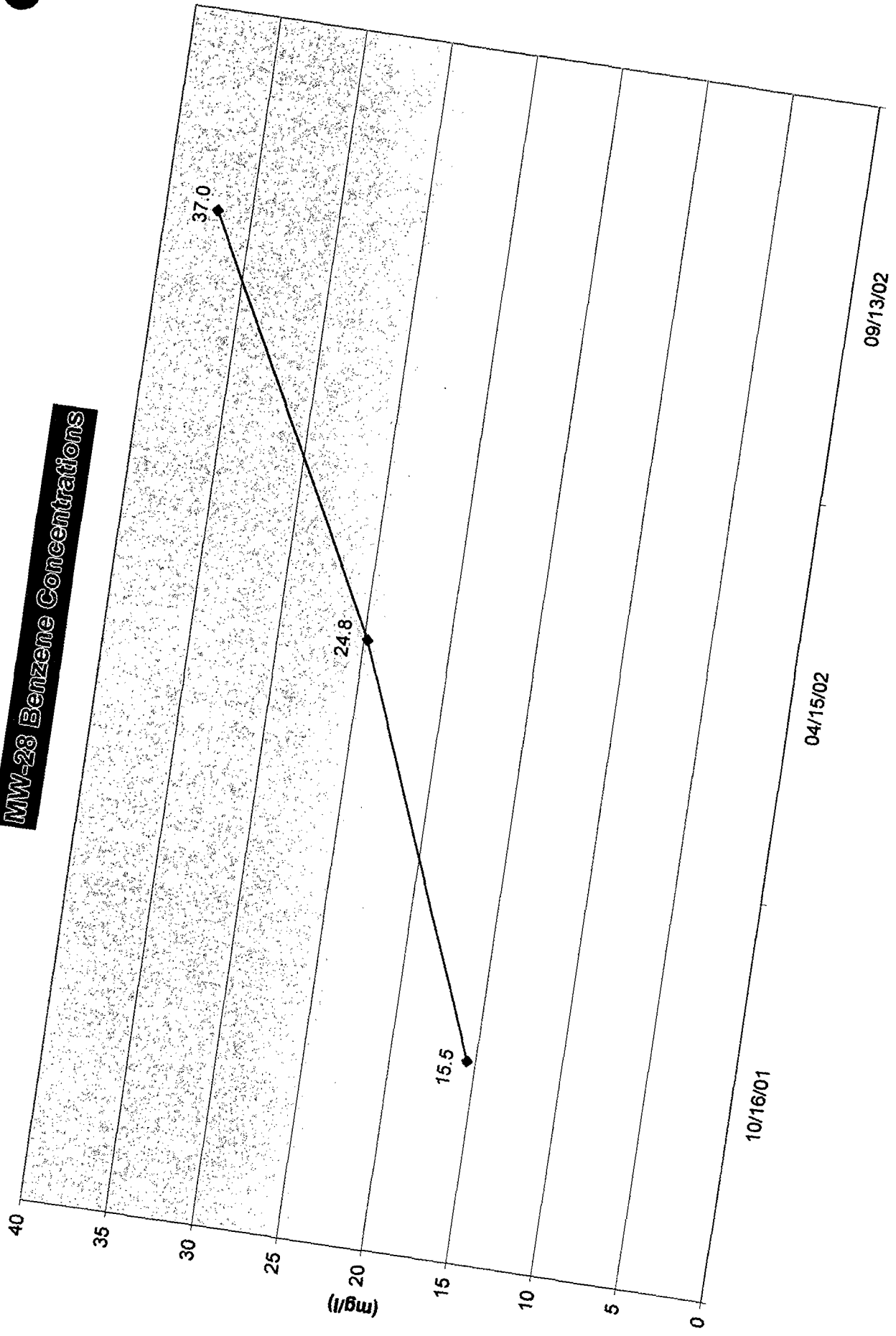
MW-26 Benzene Concentrations



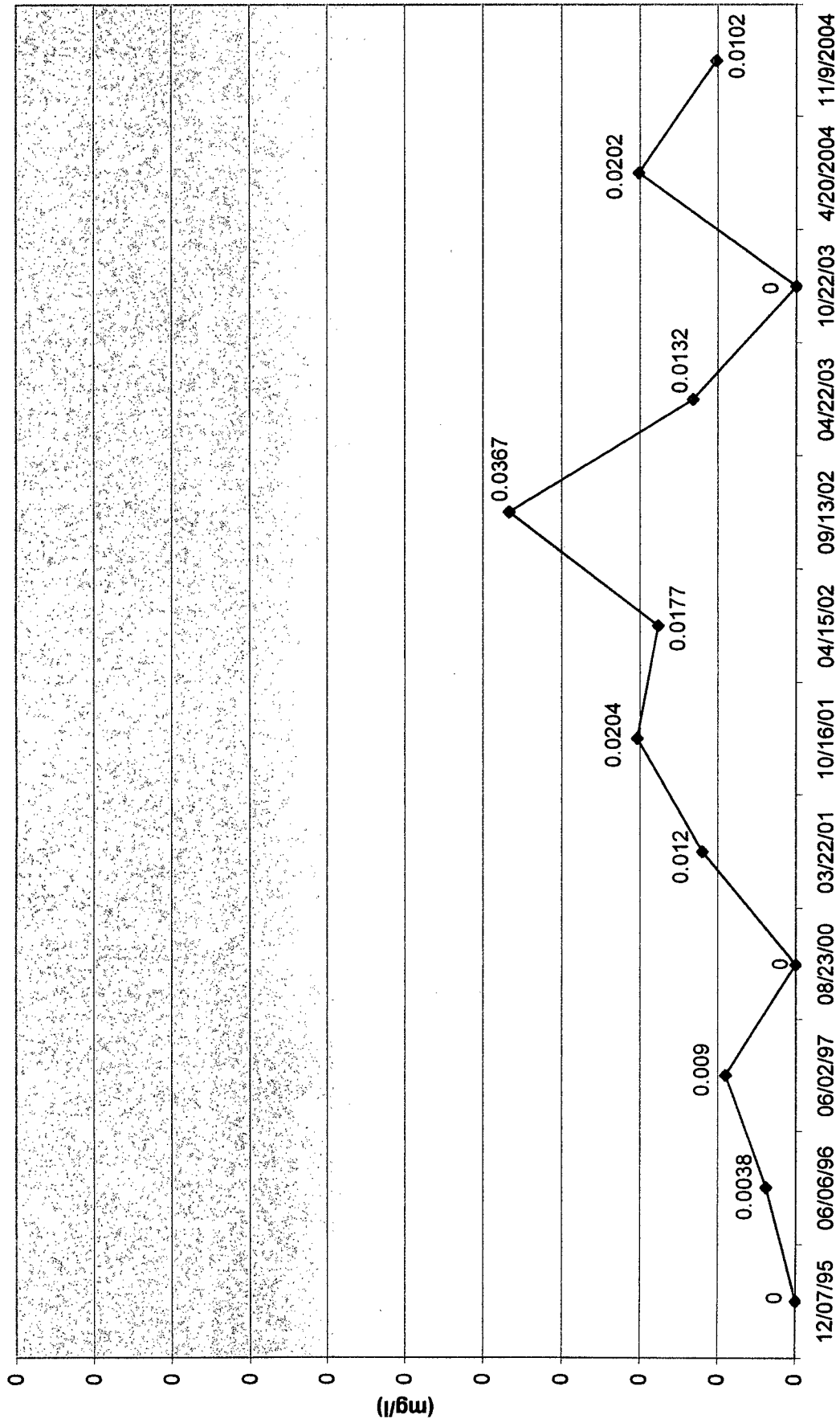
MW-27 Benzene Concentrations



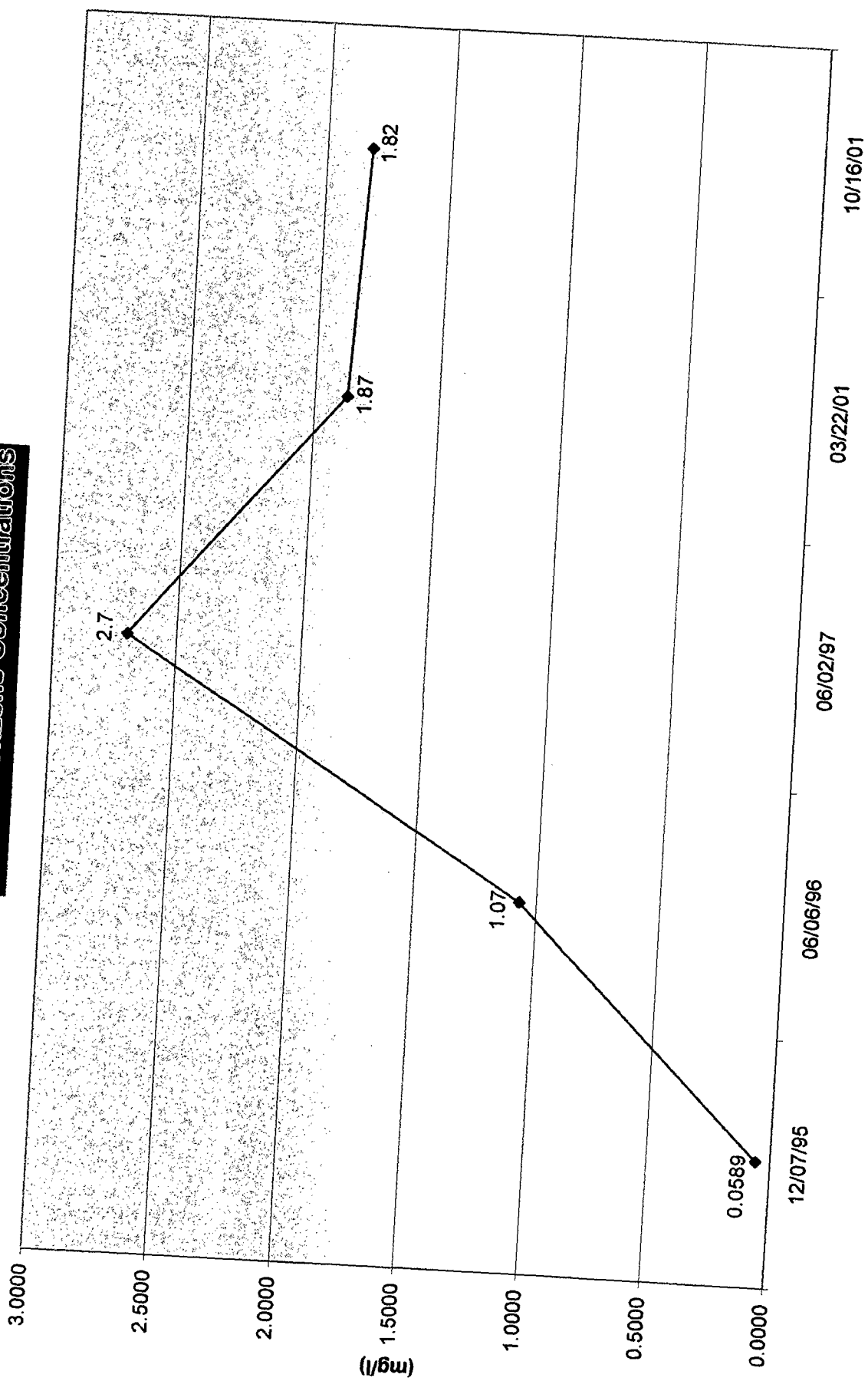
MW-28 Benzene Concentrations



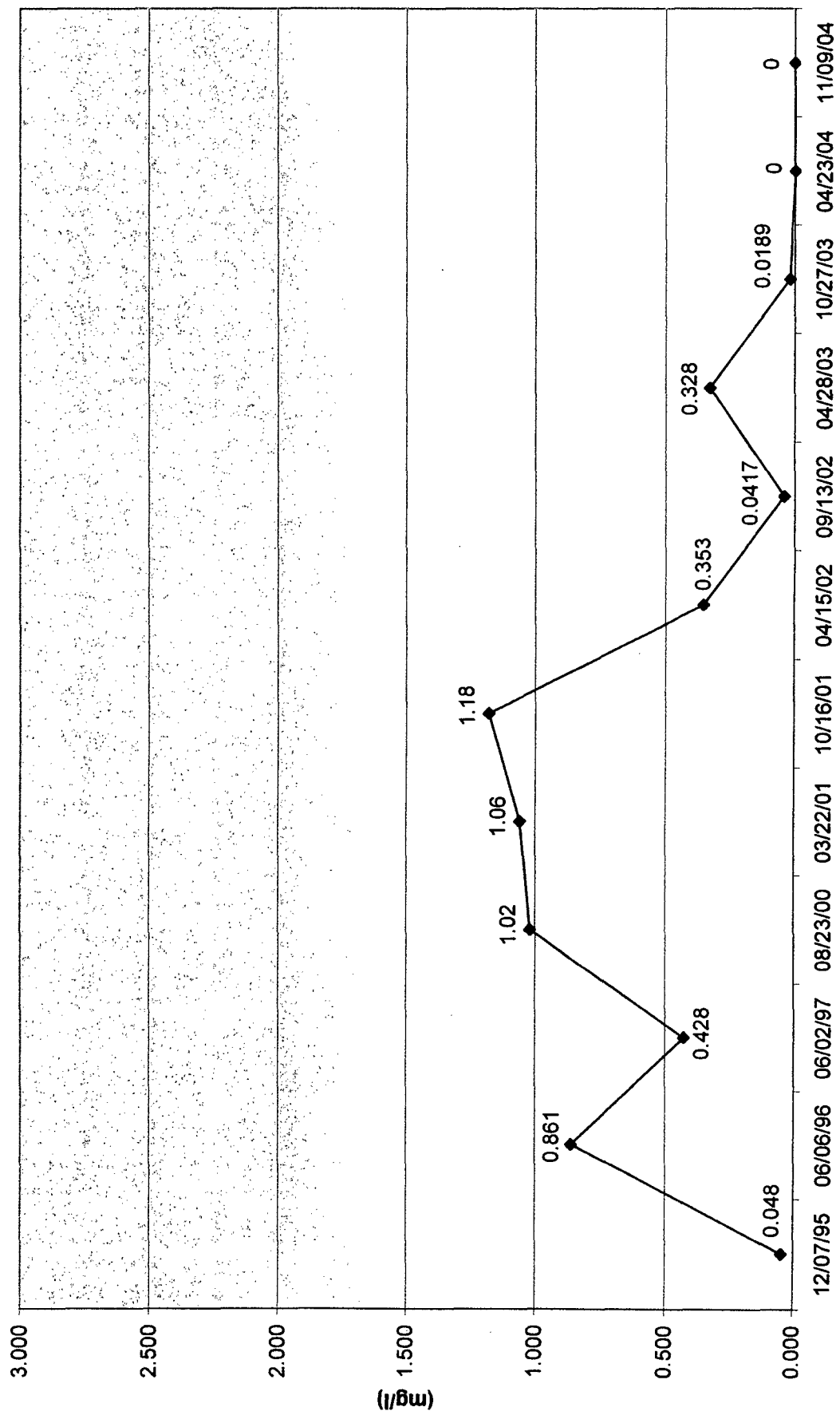
TMW-1 Benzene Concentrations



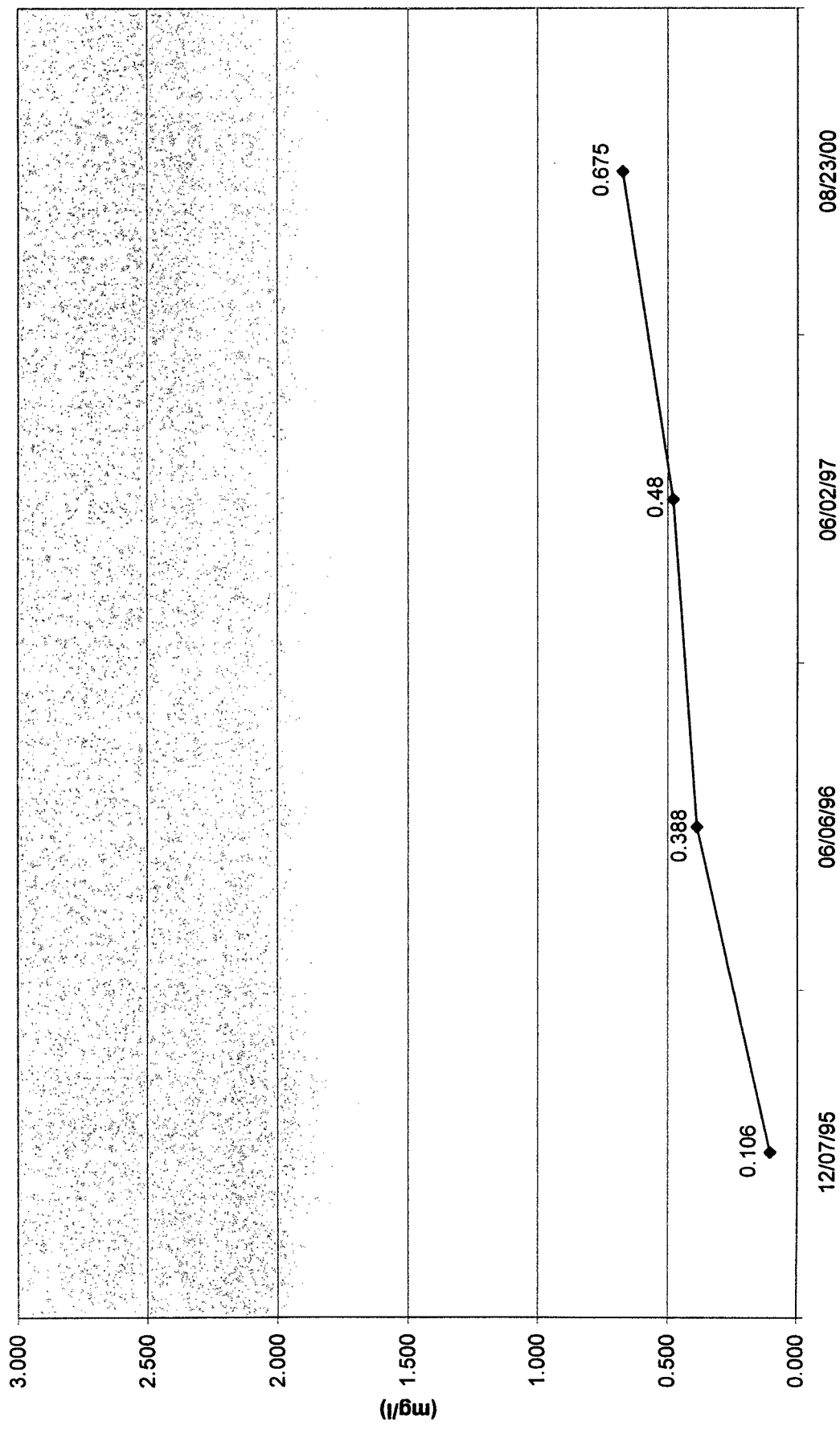
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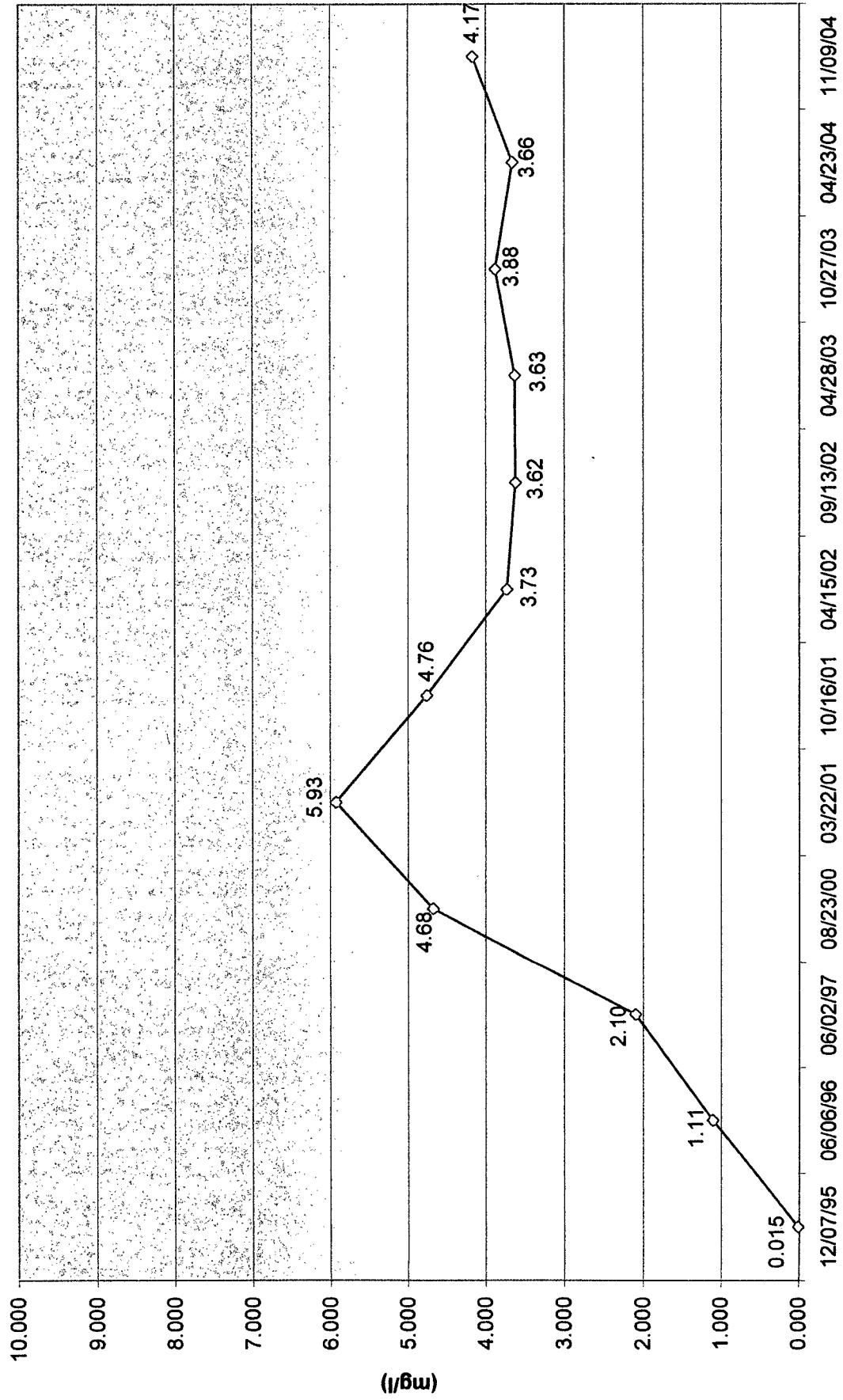
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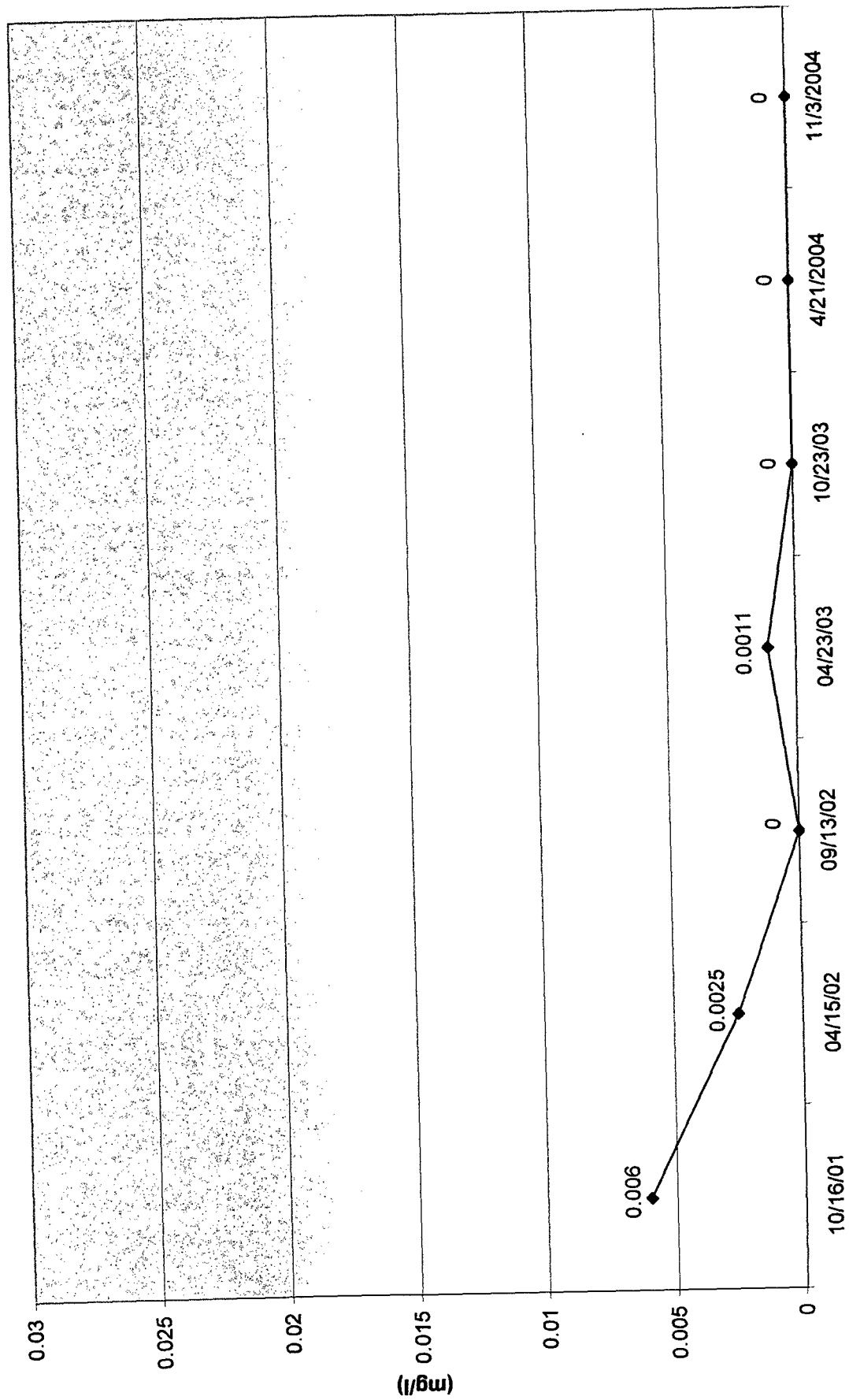
TMW-5 Benzene Concentrations



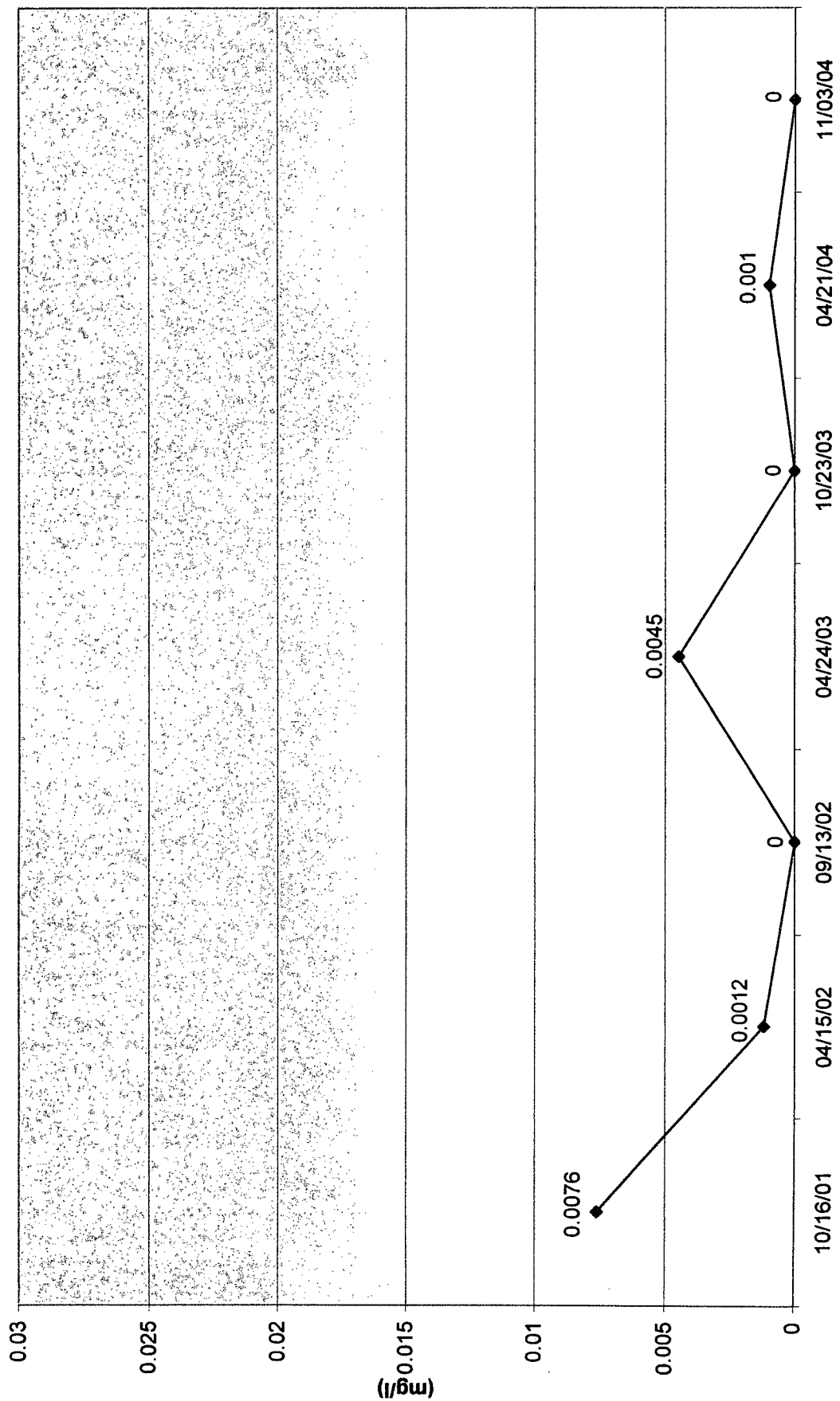
TMW-6 Benzene Concentrations



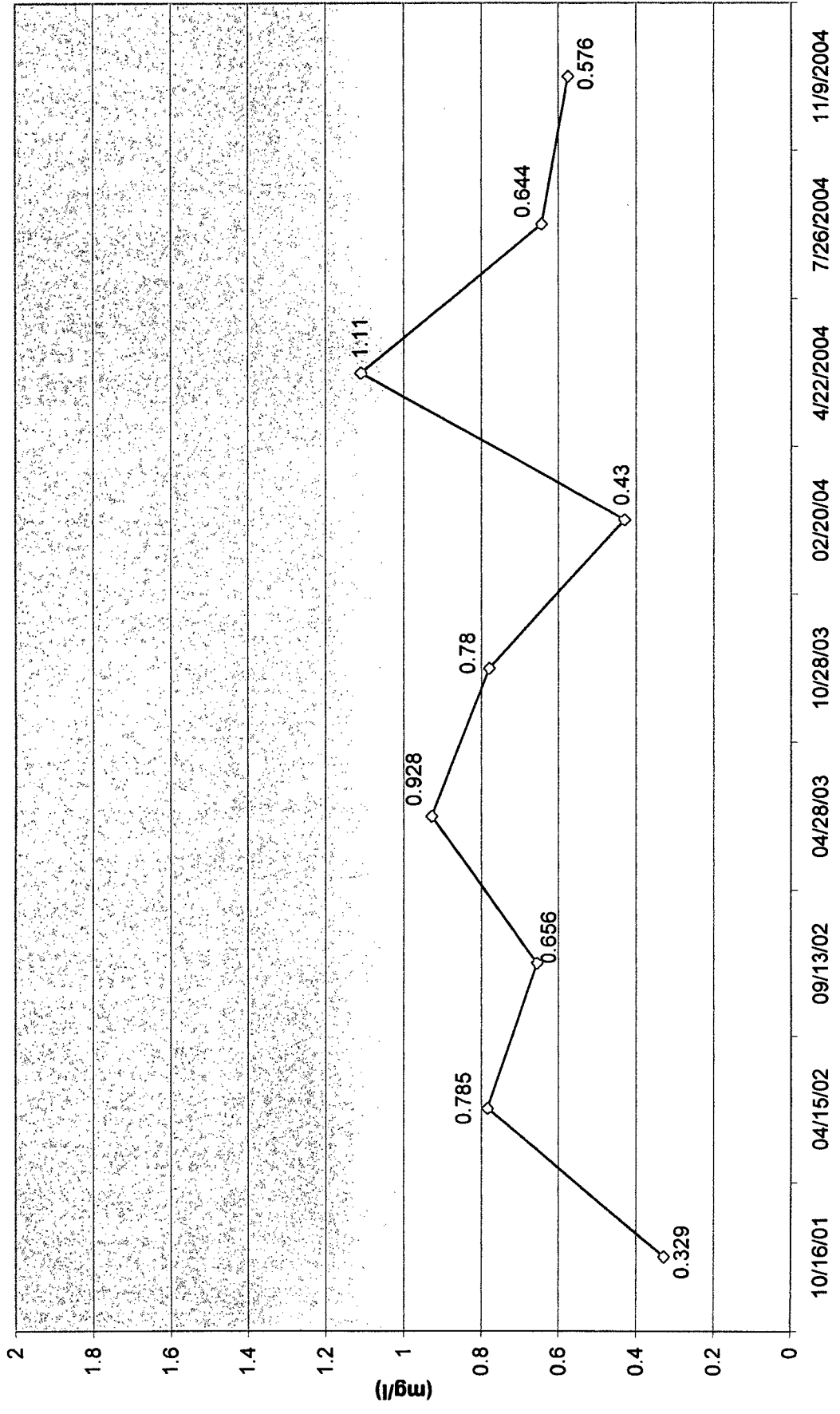
MWD-1 Benzene Concentrations



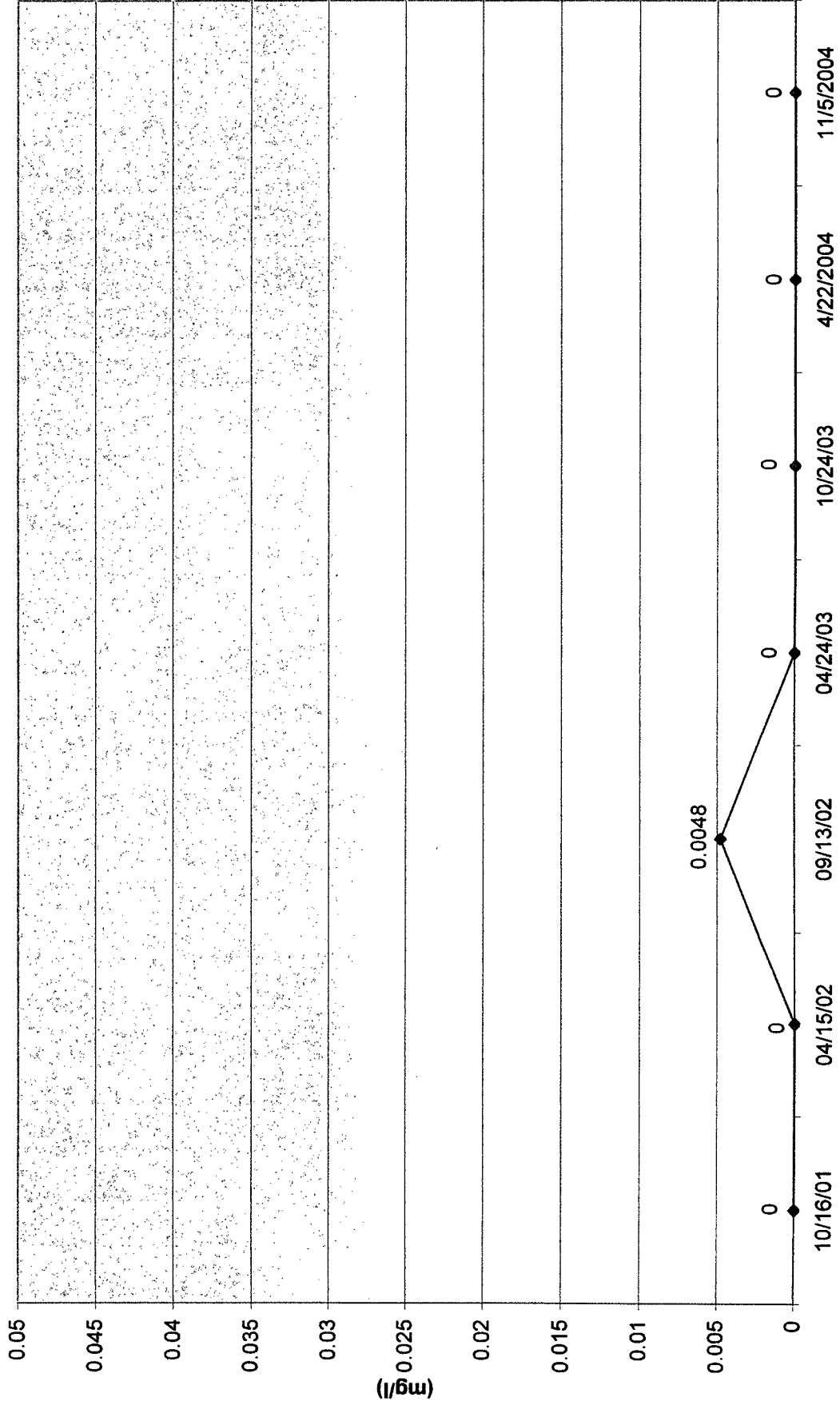
MWD-2 Benzene Concentrations



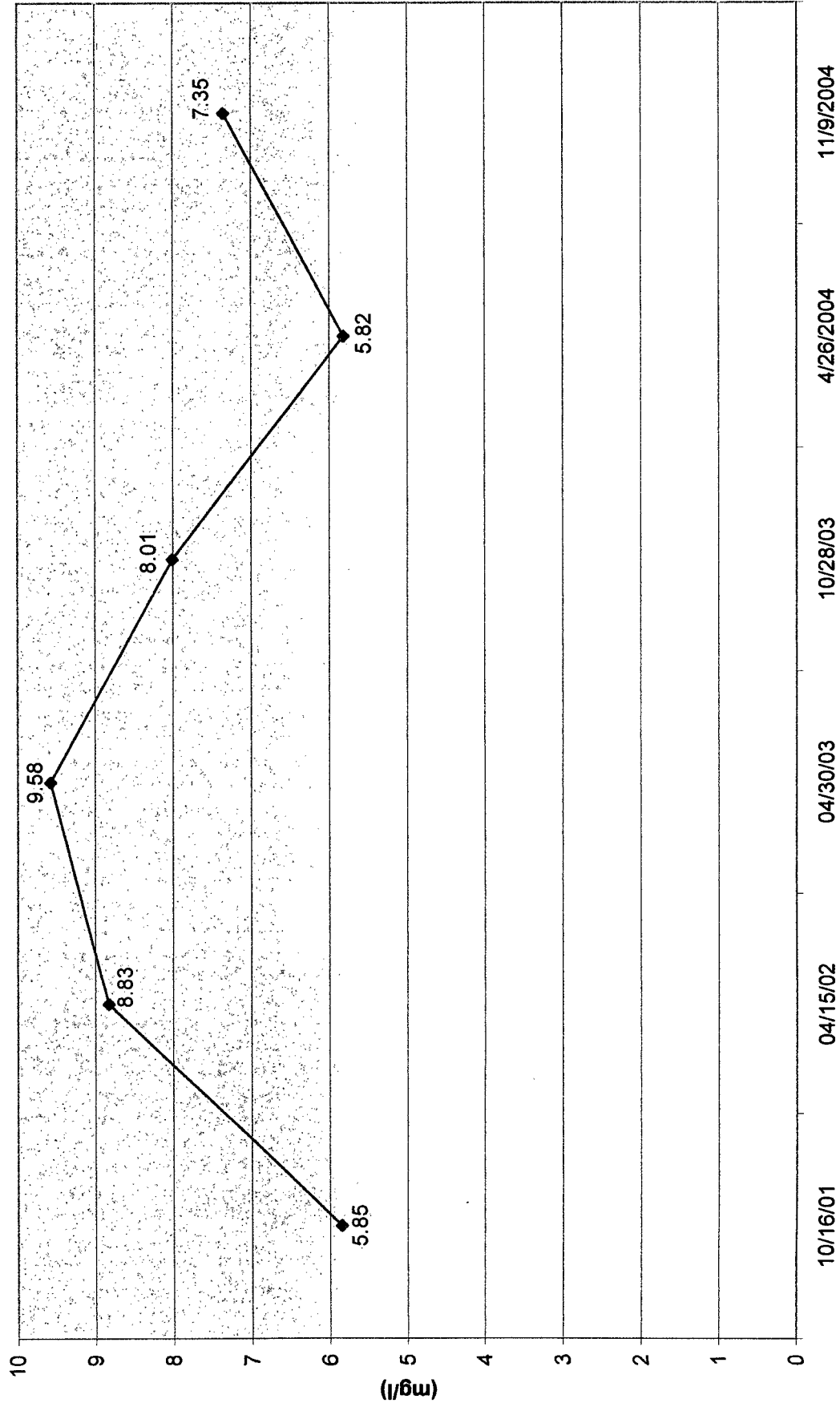
MWD-3 Benzene Concentrations



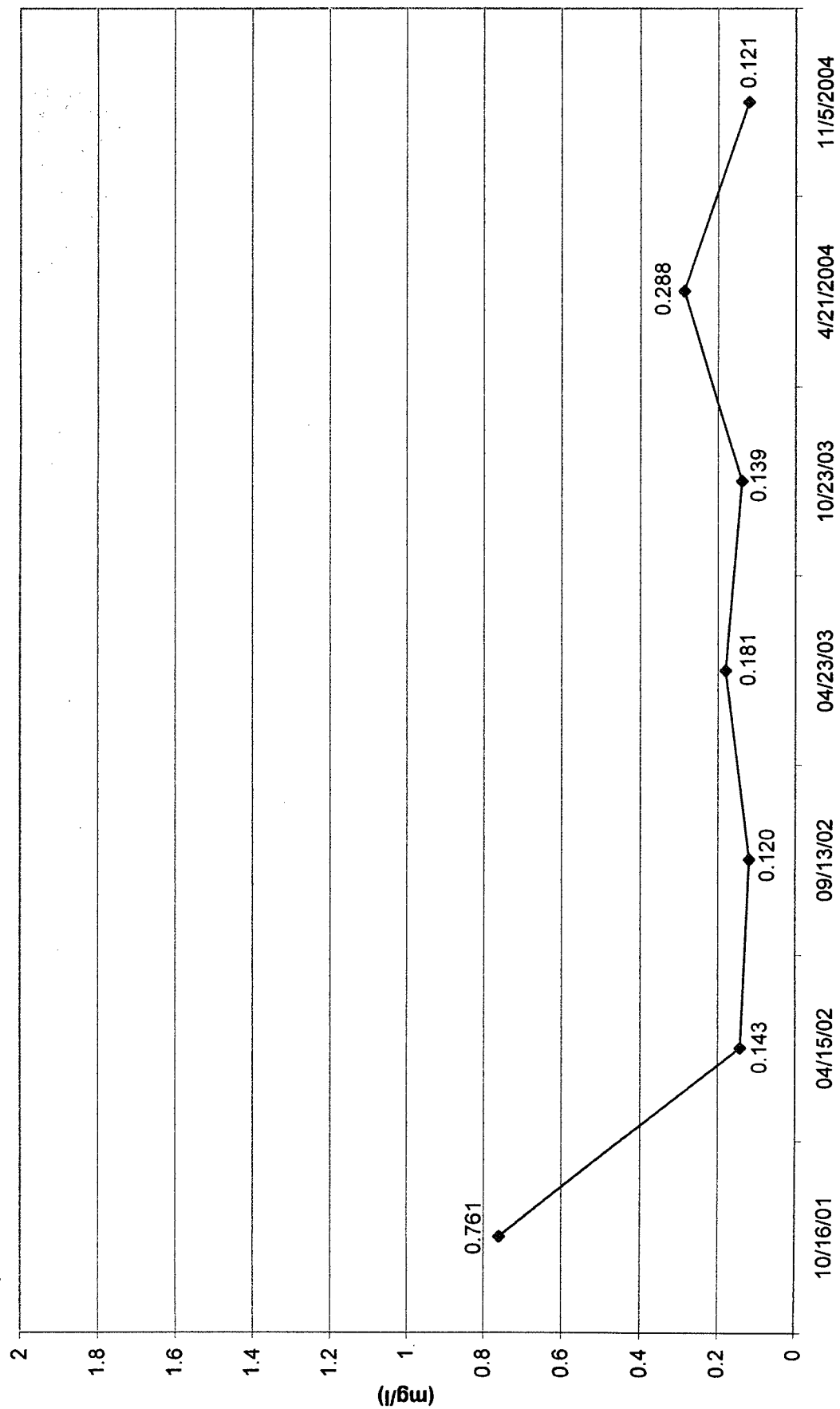
MWD-4 Benzene Concentrations



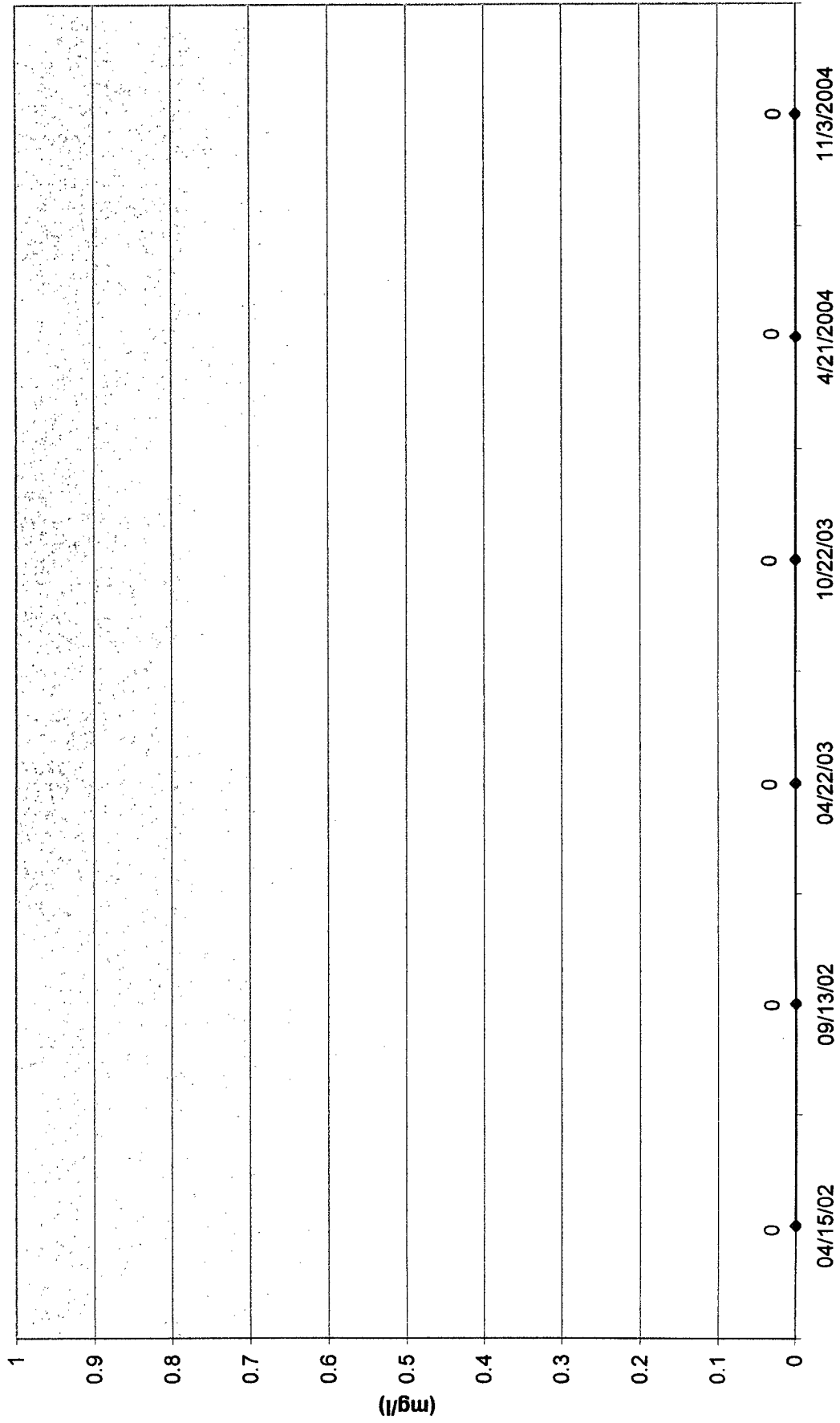
MWD-5 Benzene Concentrations



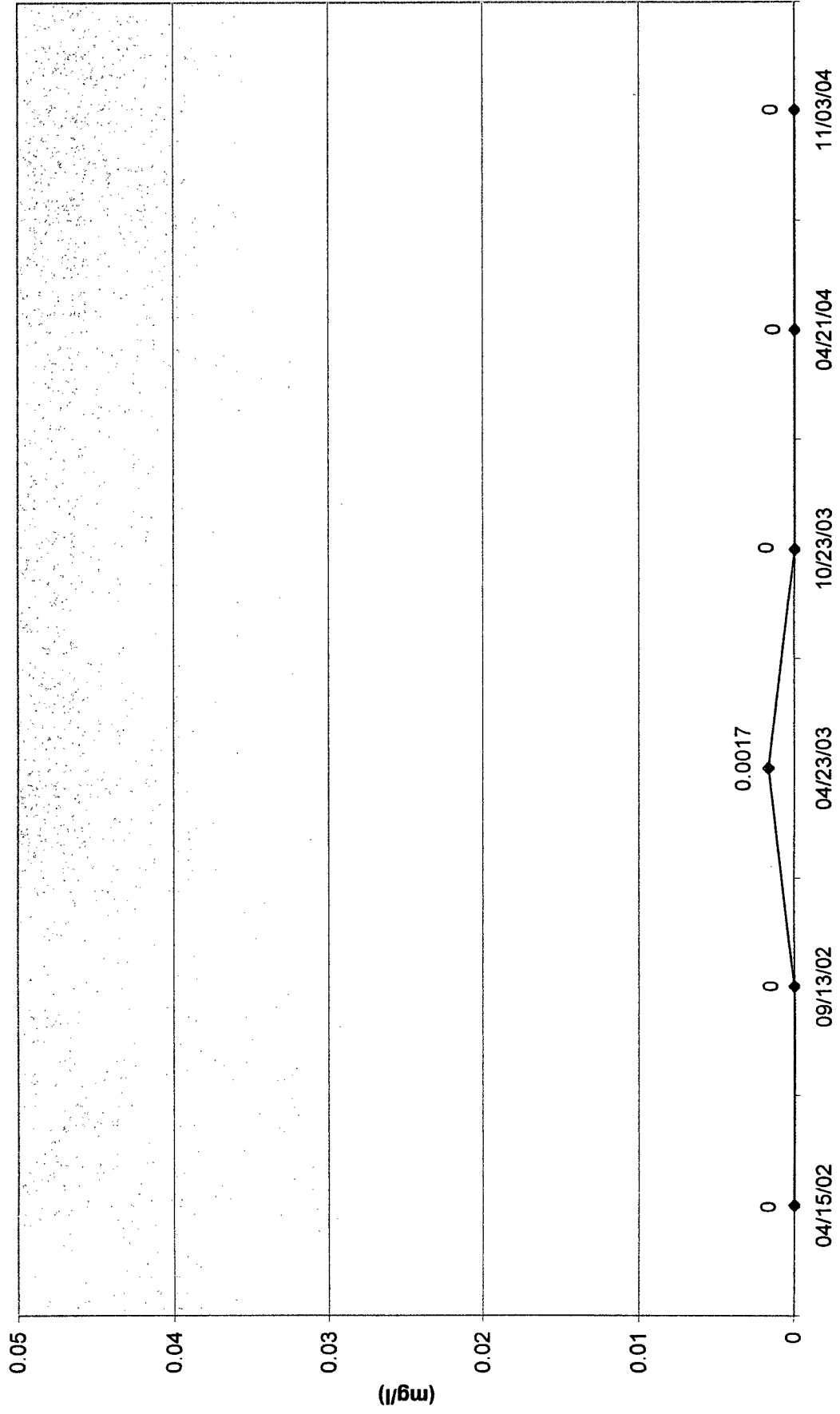
MWD-6 Benzene Concentrations



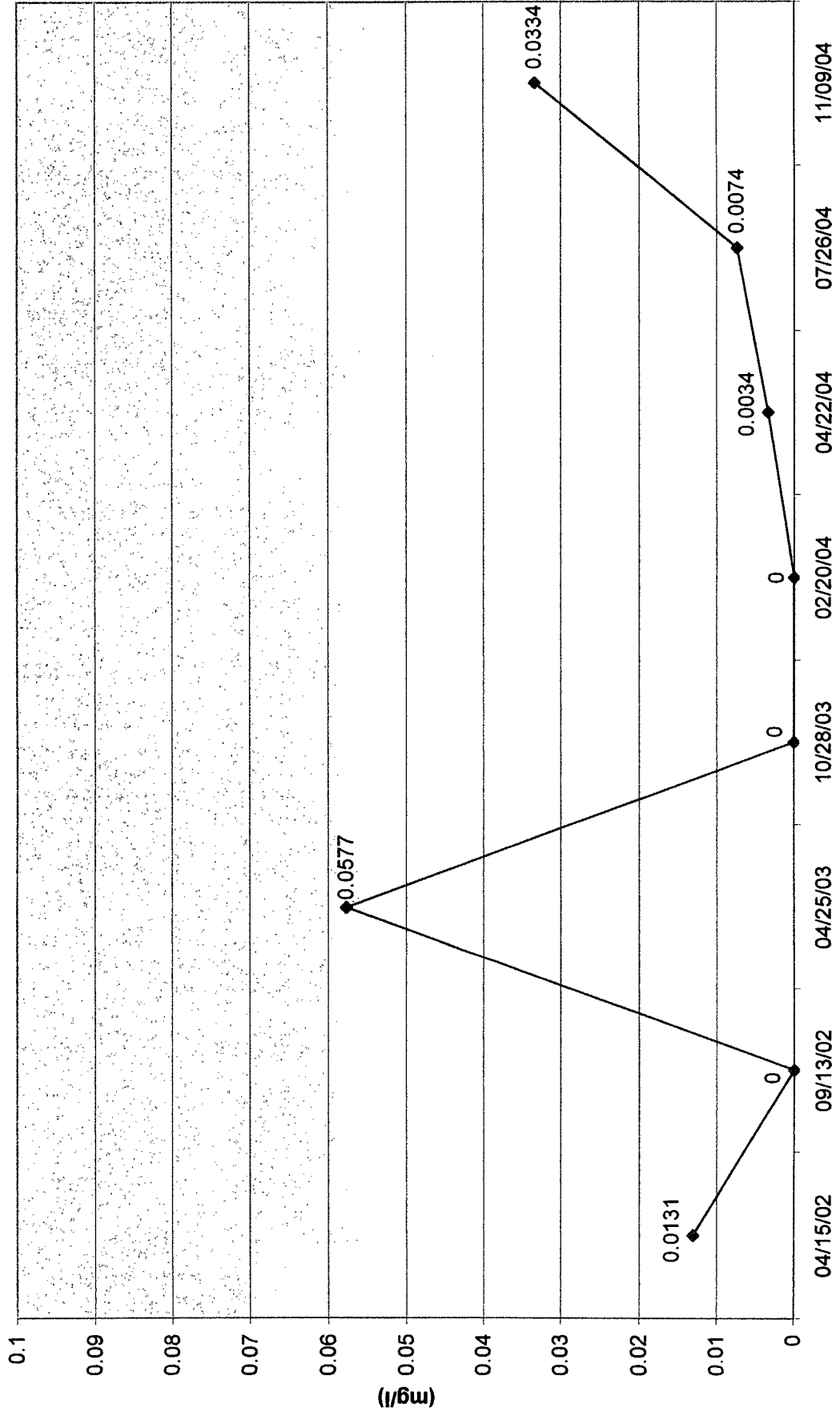
MWD-7 Benzene Concentrations



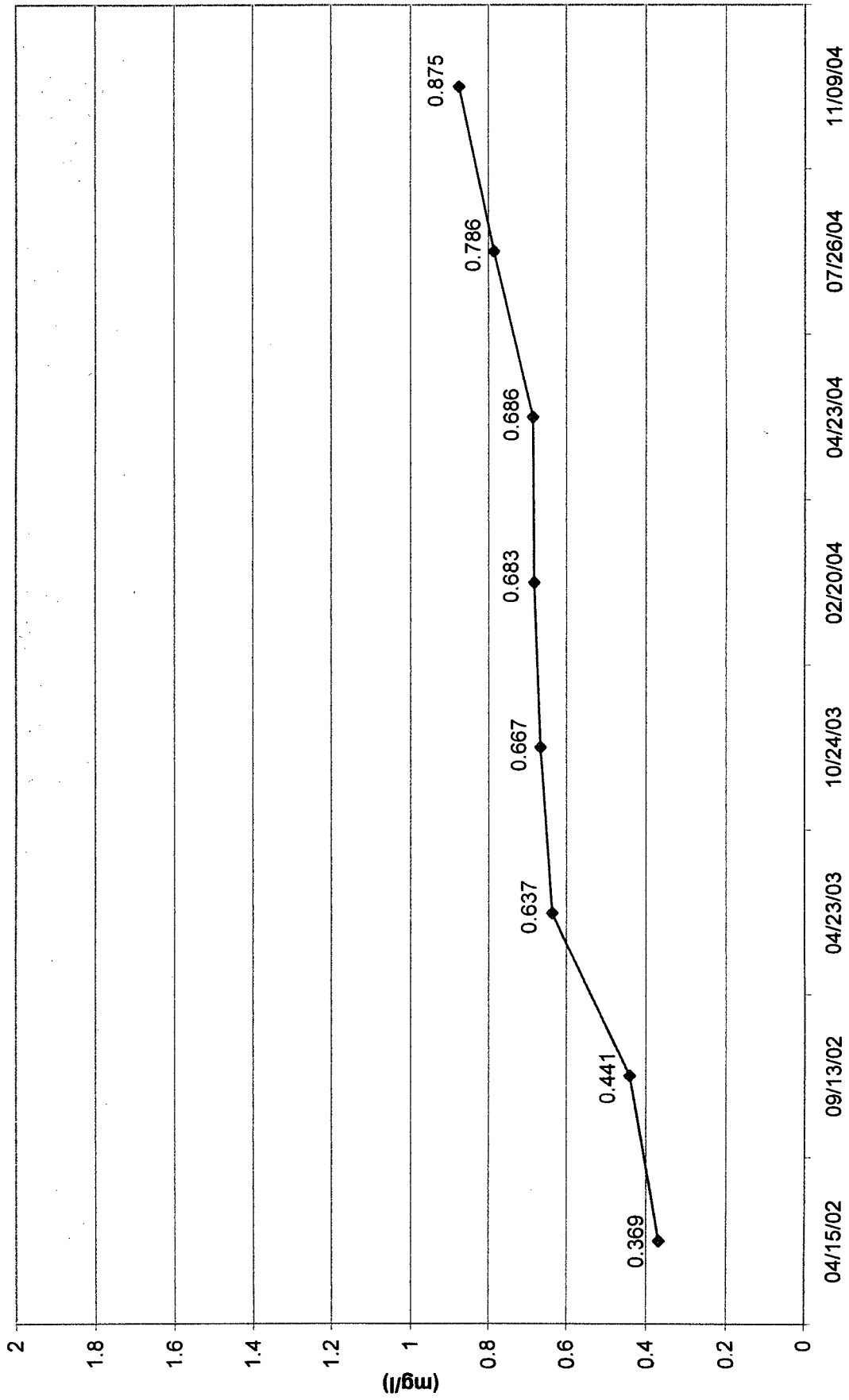
MWD-8 Benzene Concentrations



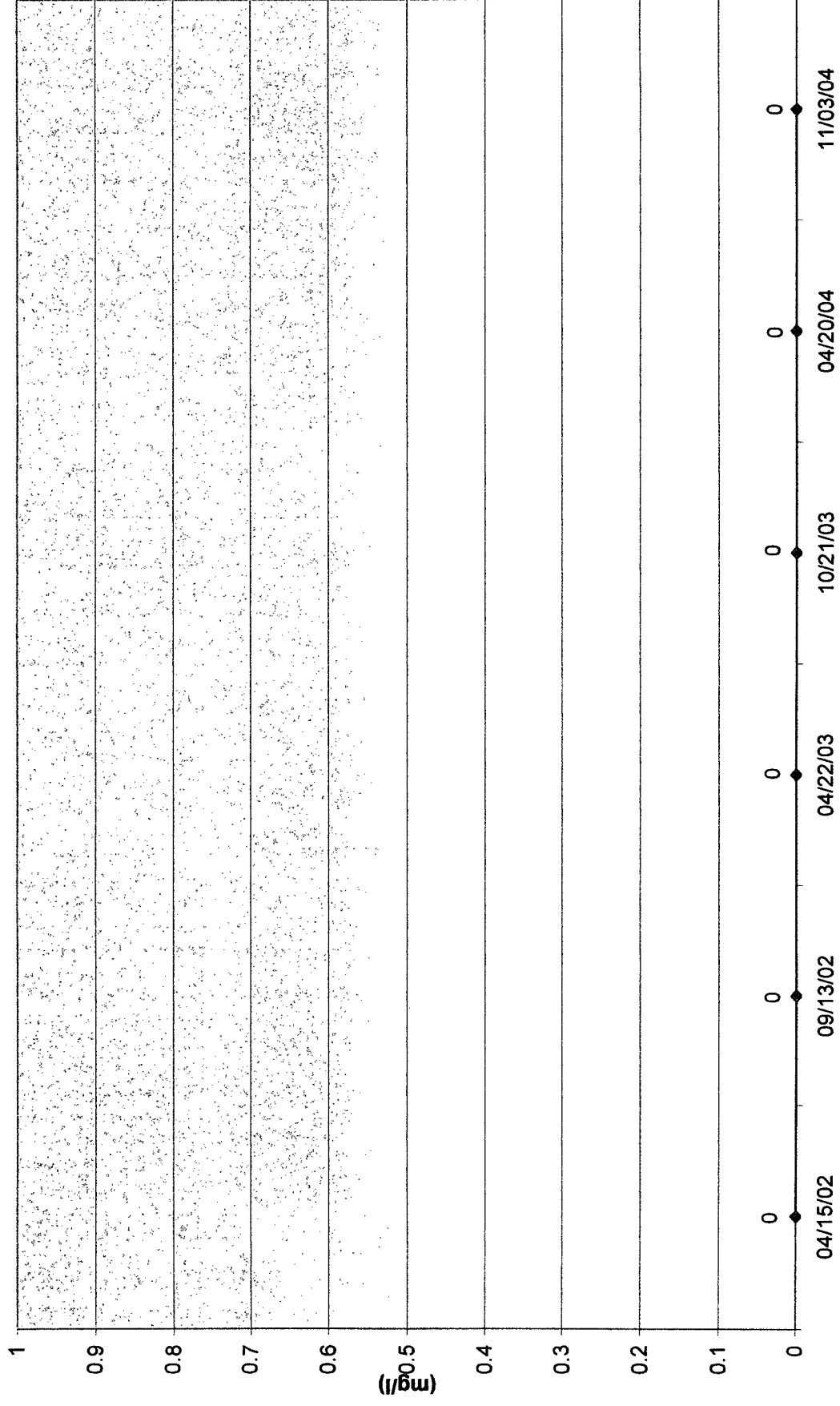
MWD-9 Benzene Concentrations



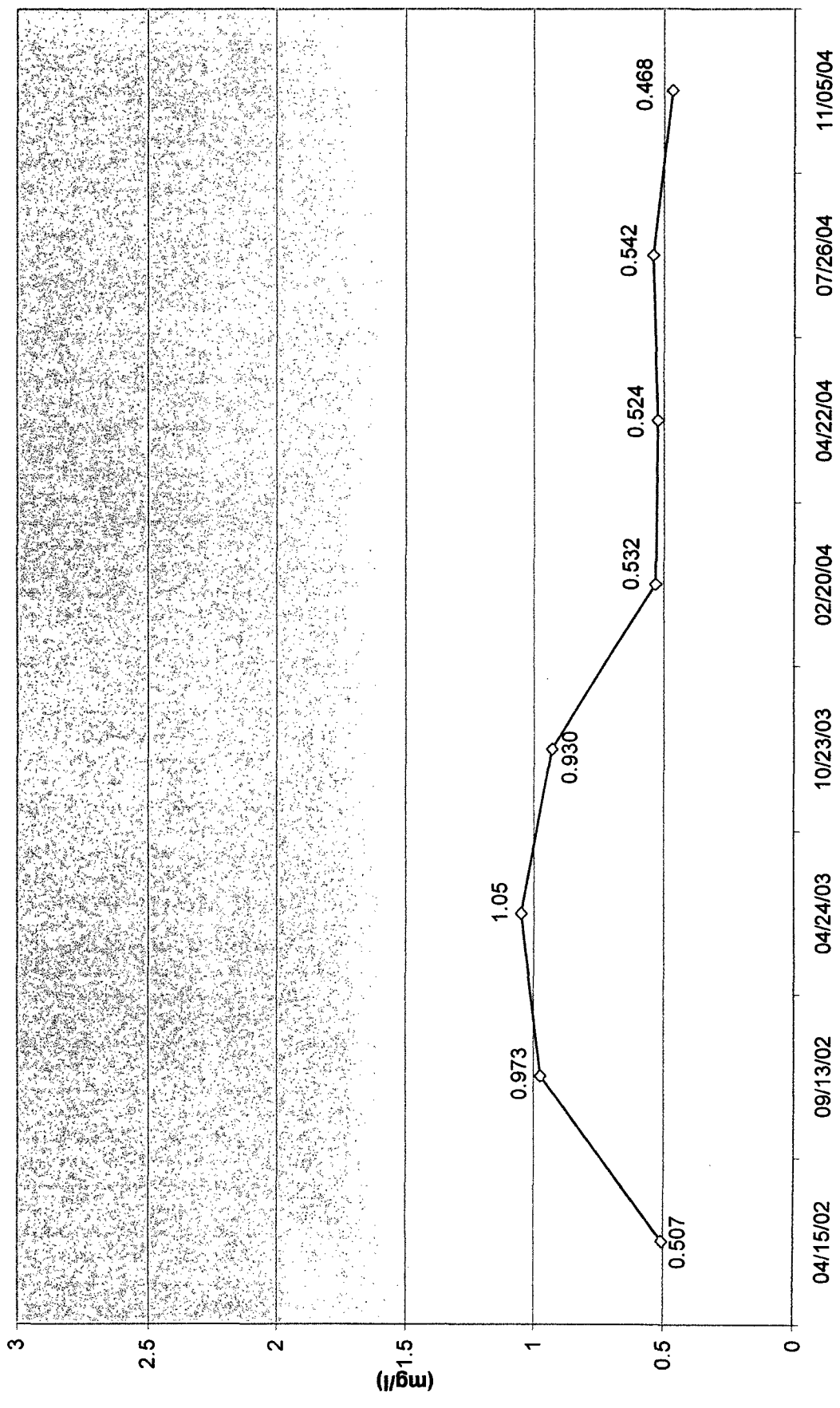
MWD-10 Benzene Concentrations



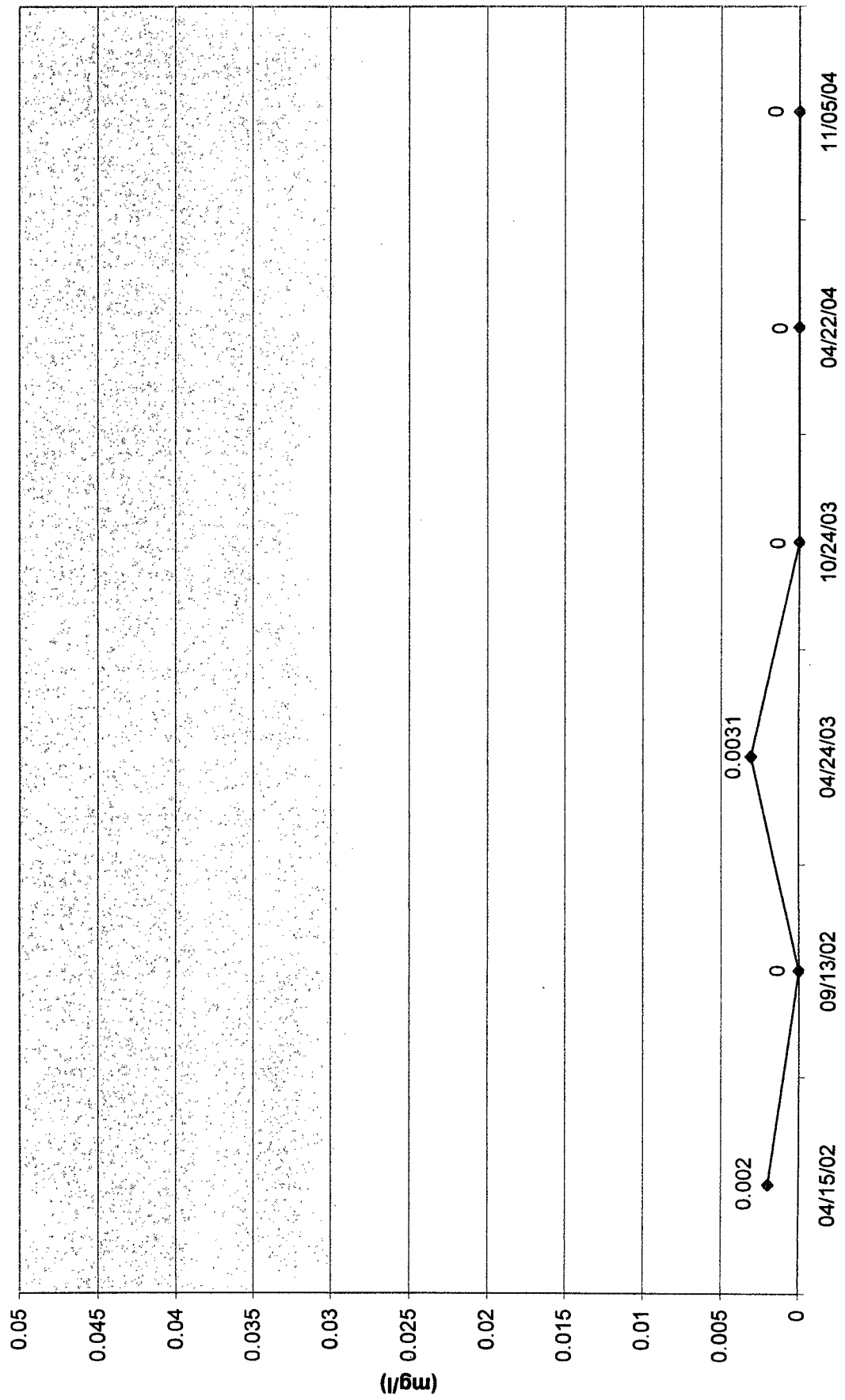
MWD-11 Benzene Concentrations



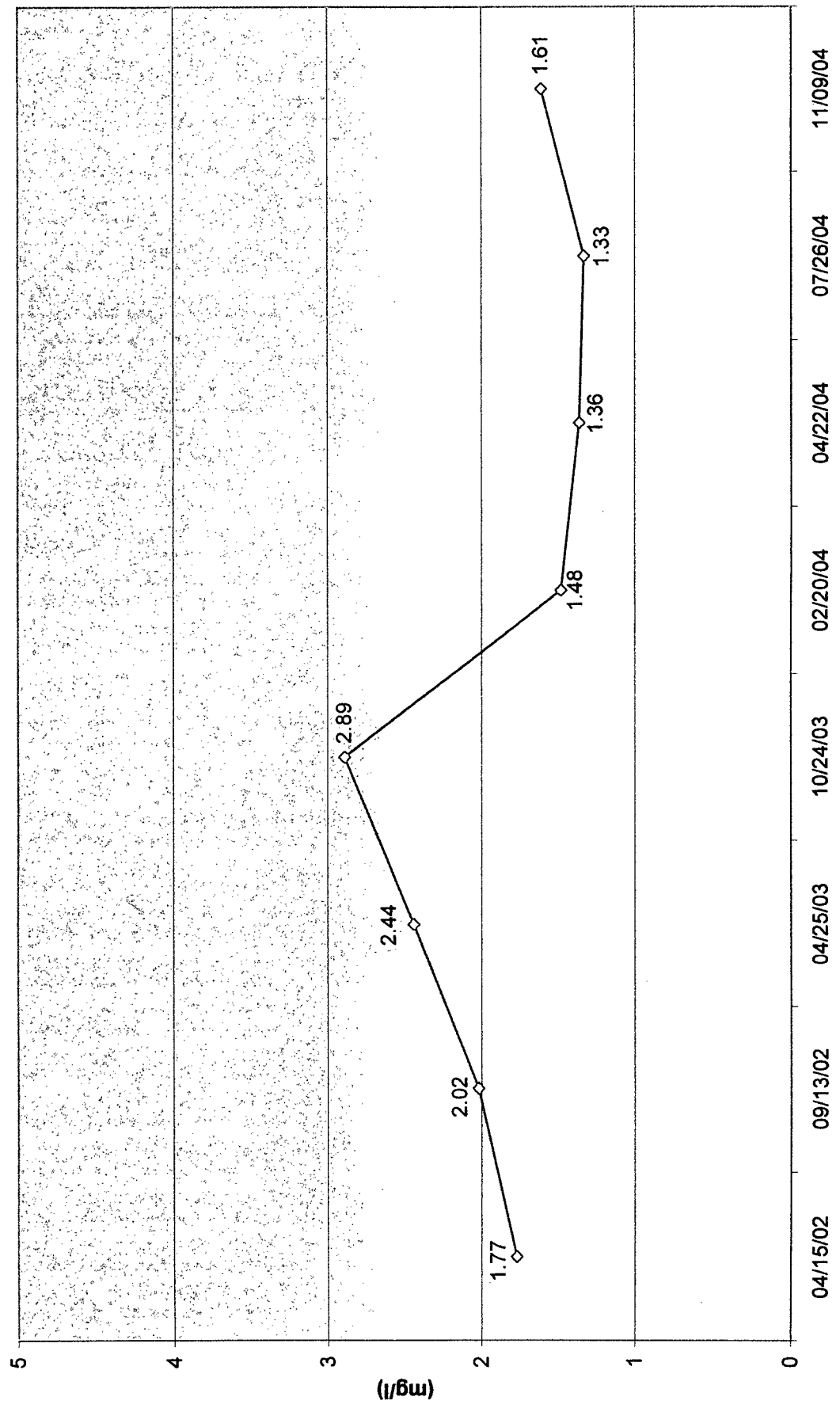
MWD-12 Benzene Concentrations



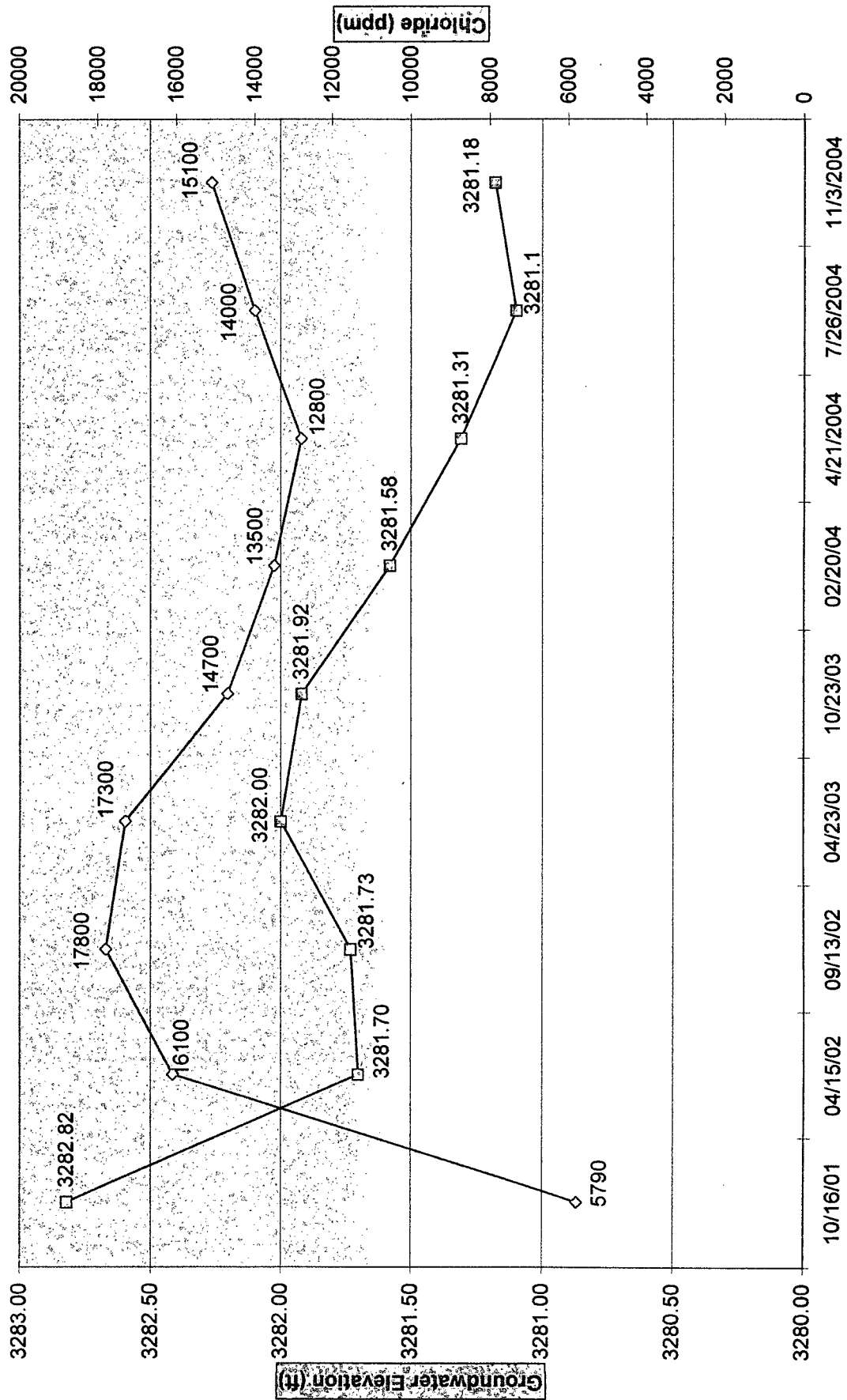
MWD-13 Benzene Concentrations



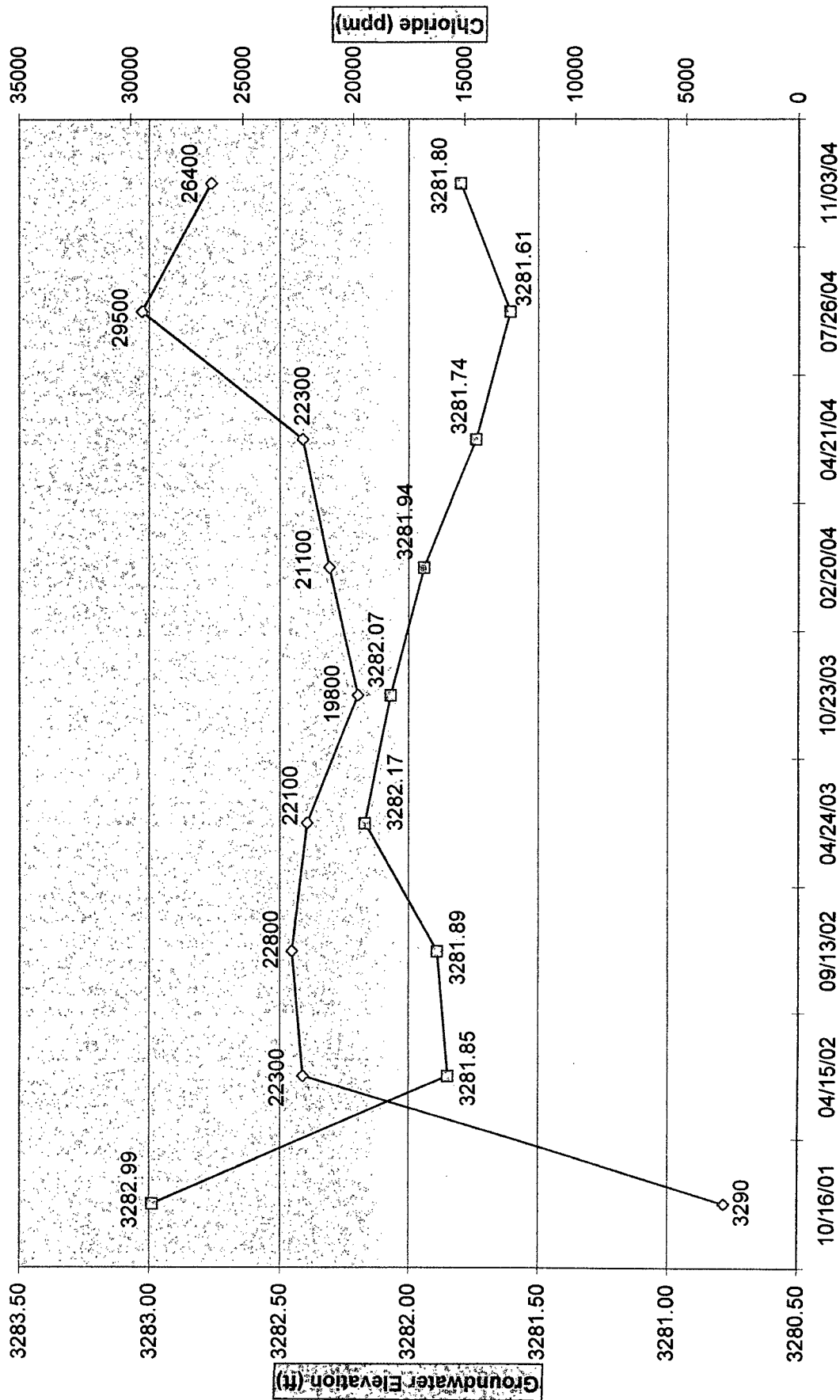
MWD-14 Benzene Concentrations



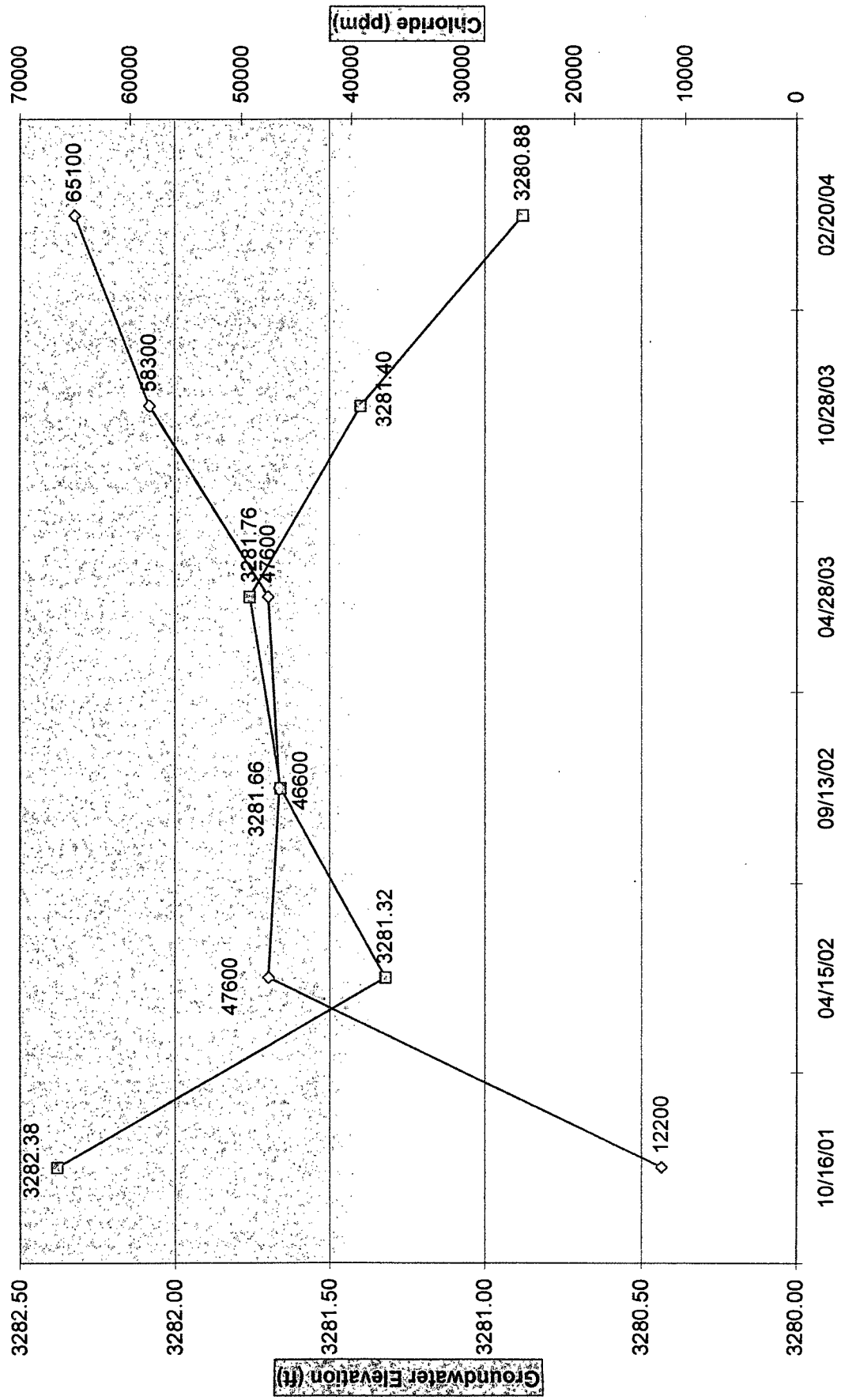
MWD -1 Groundwater vs Chloride



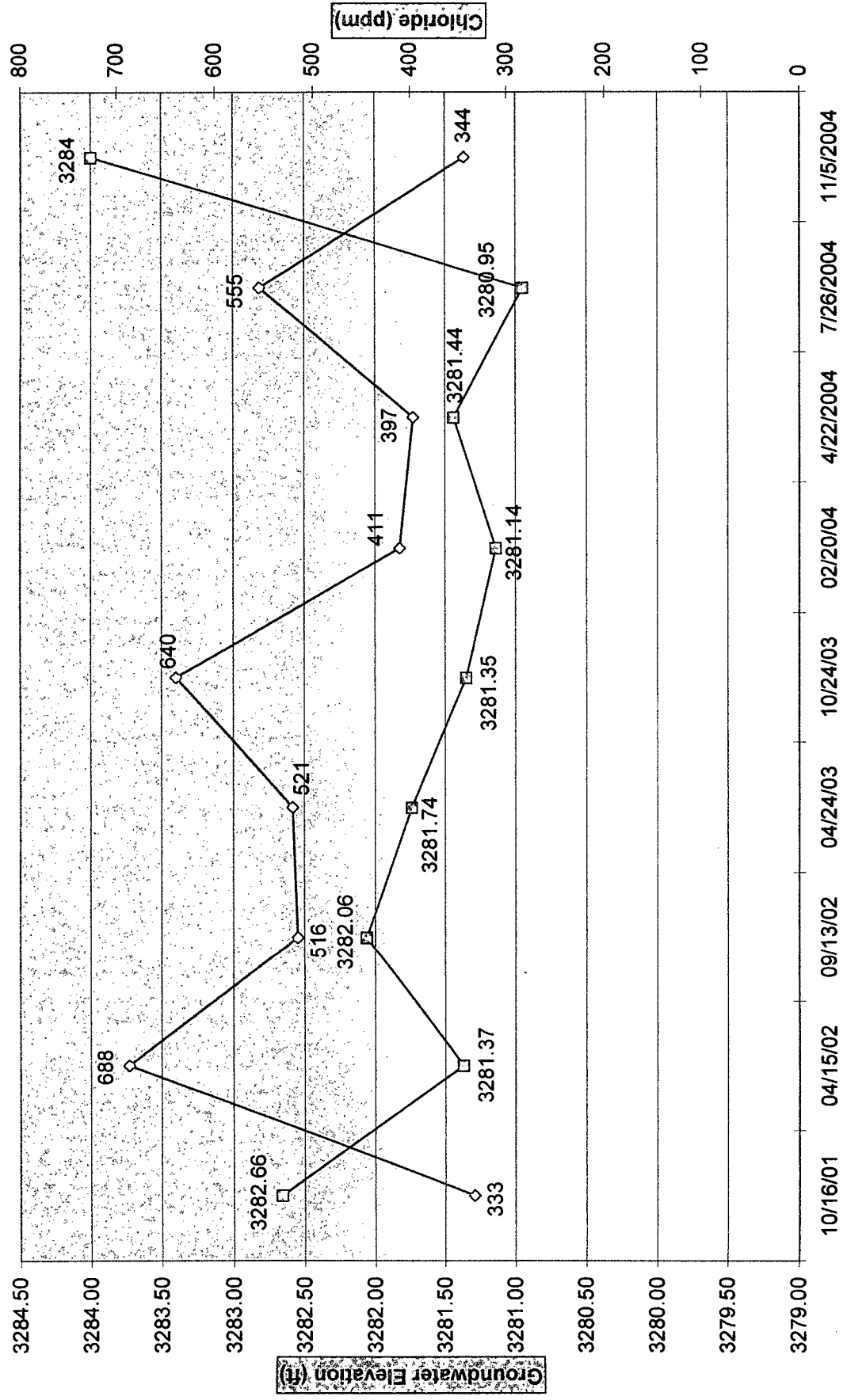
MWD-2 Groundwater vs Chloride



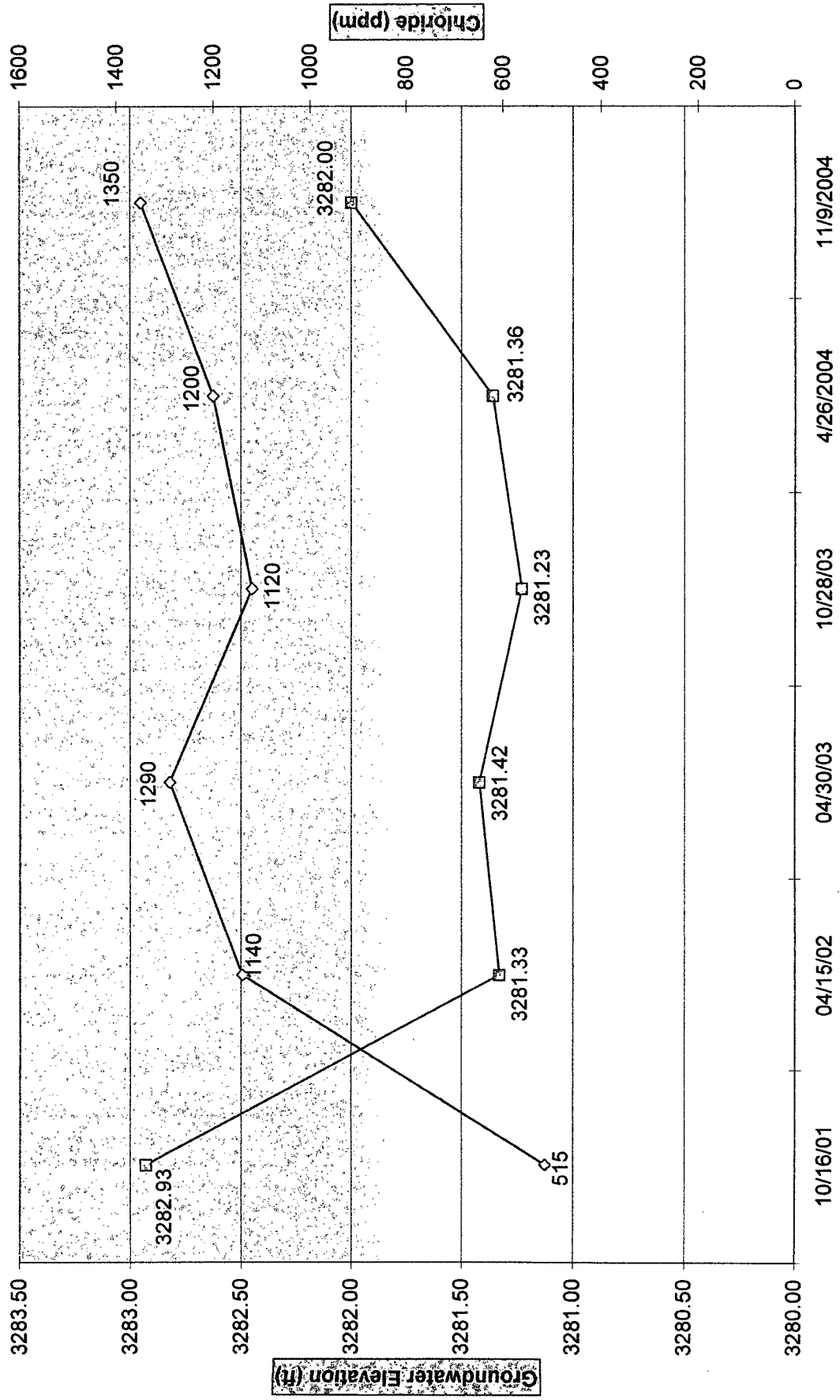
MWD-3 Groundwater vs Chloride



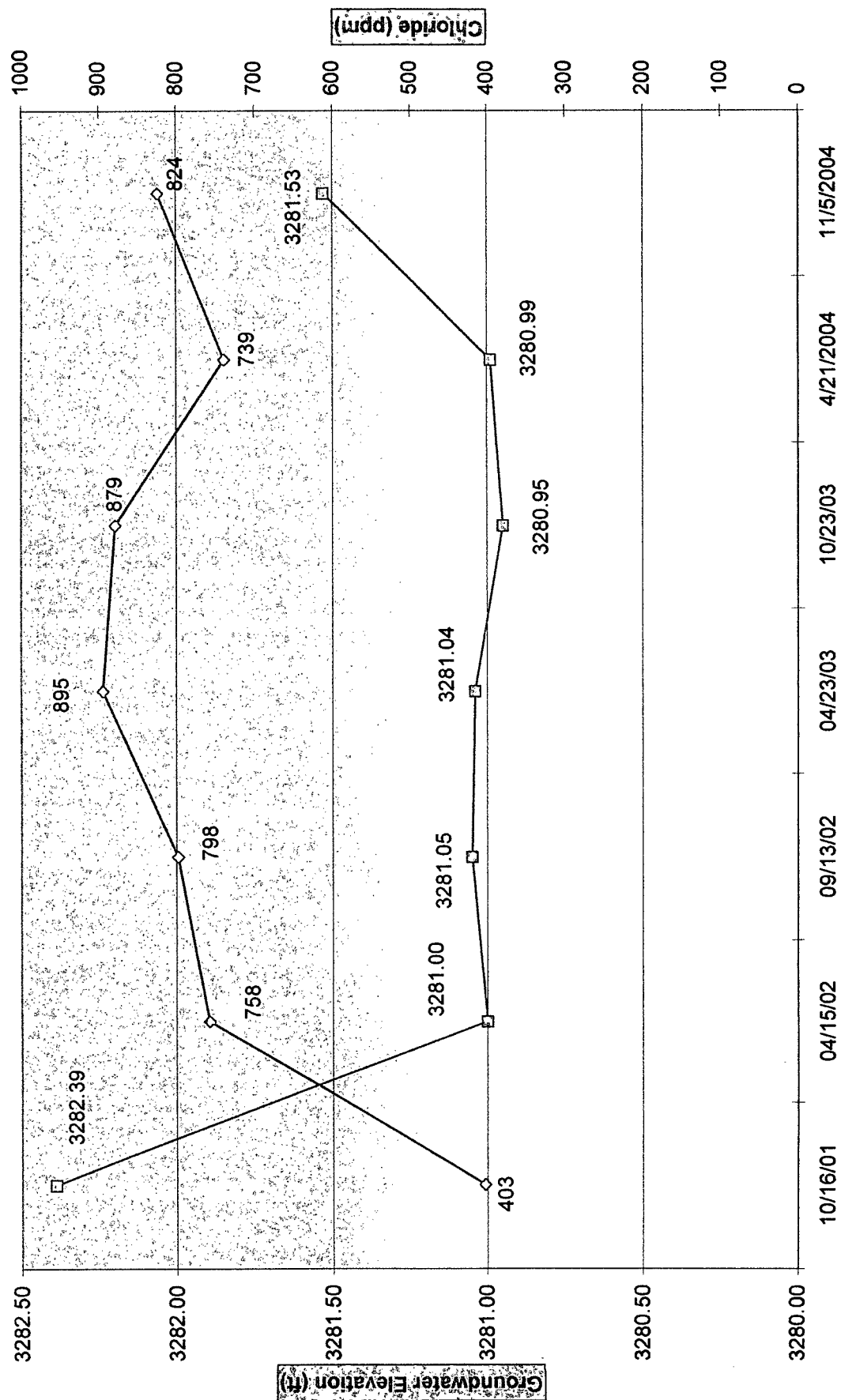
MWD-4 Groundwater vs Chloride



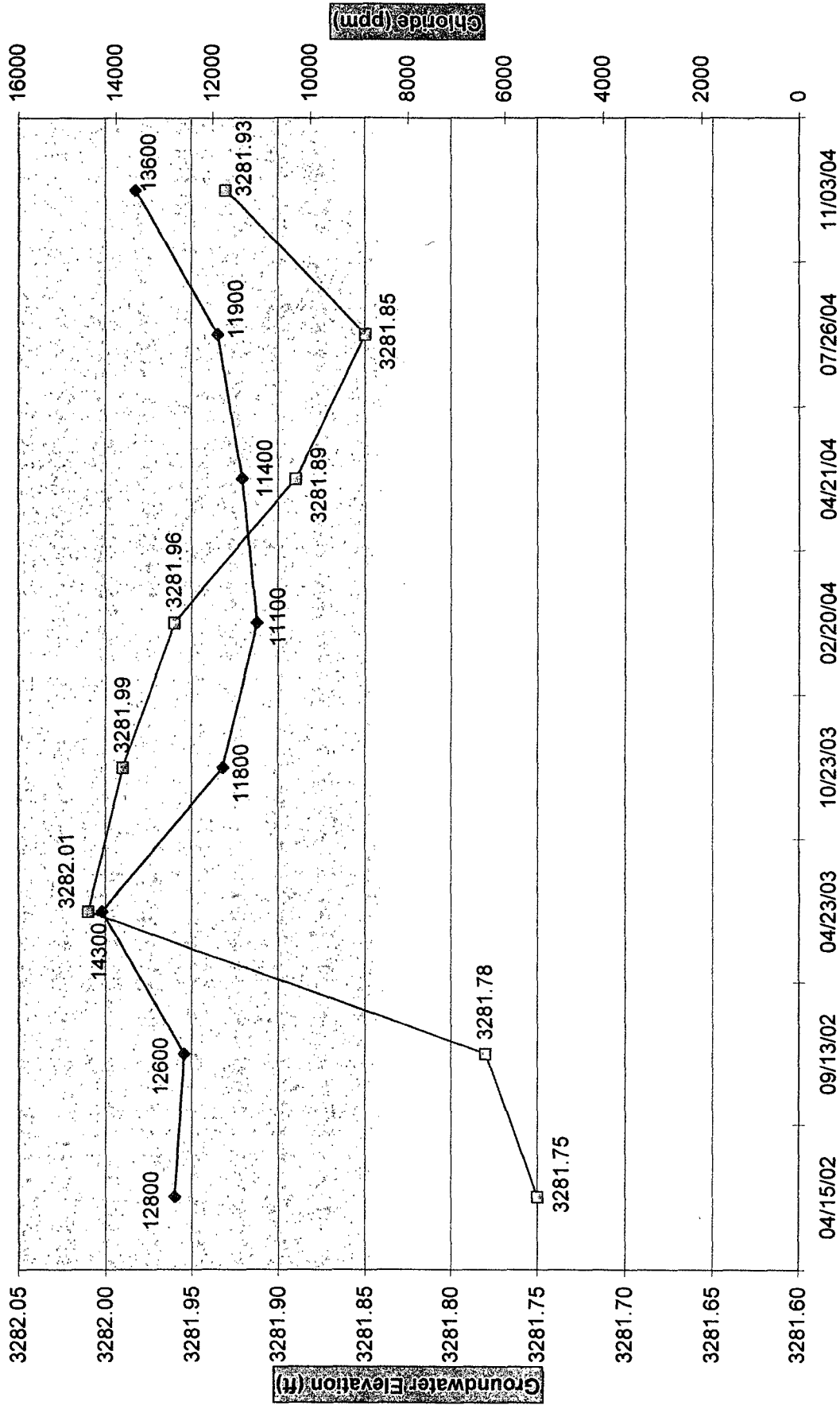
MWD-5 Groundwater vs Chloride



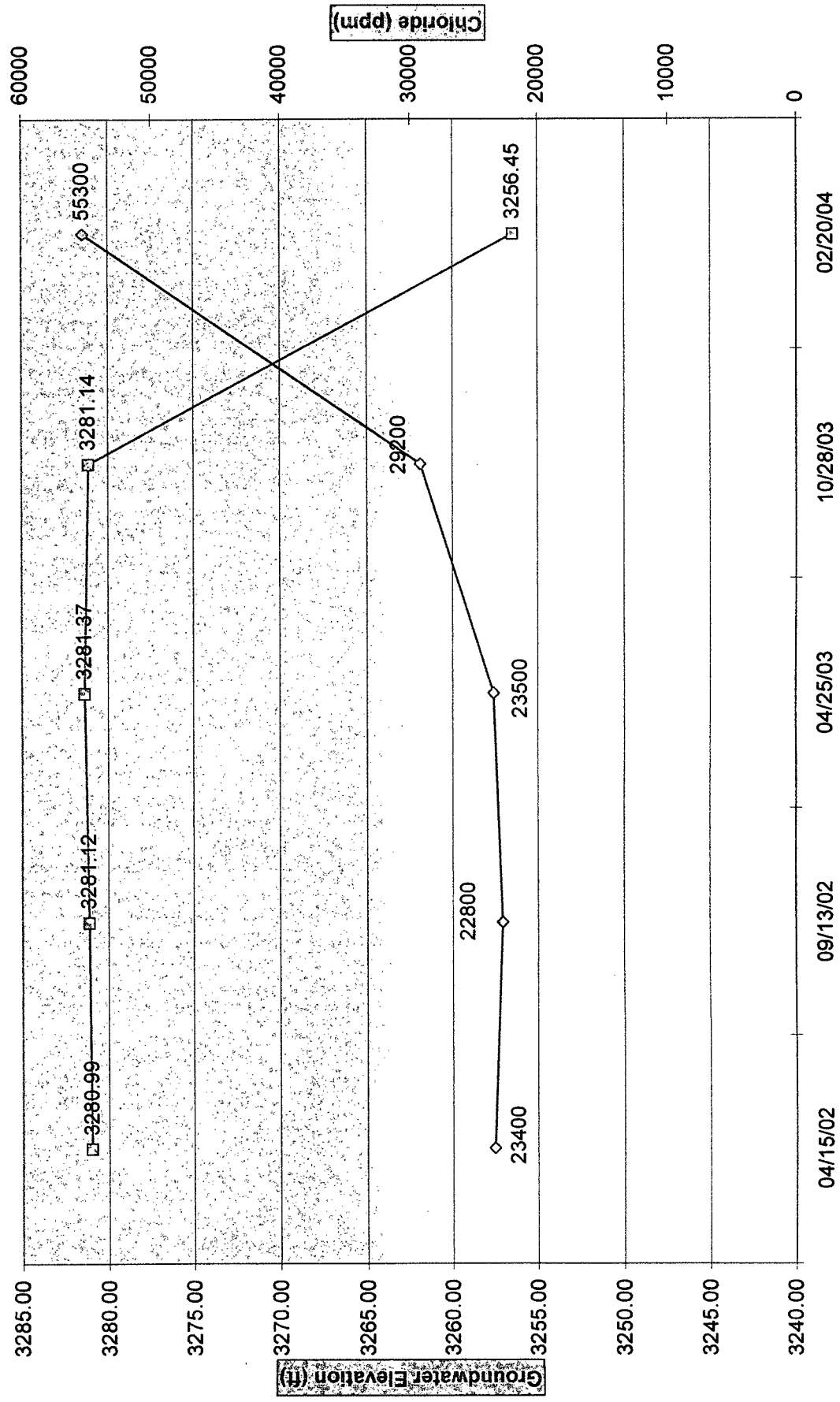
MWD-6 Groundwater vs Chloride



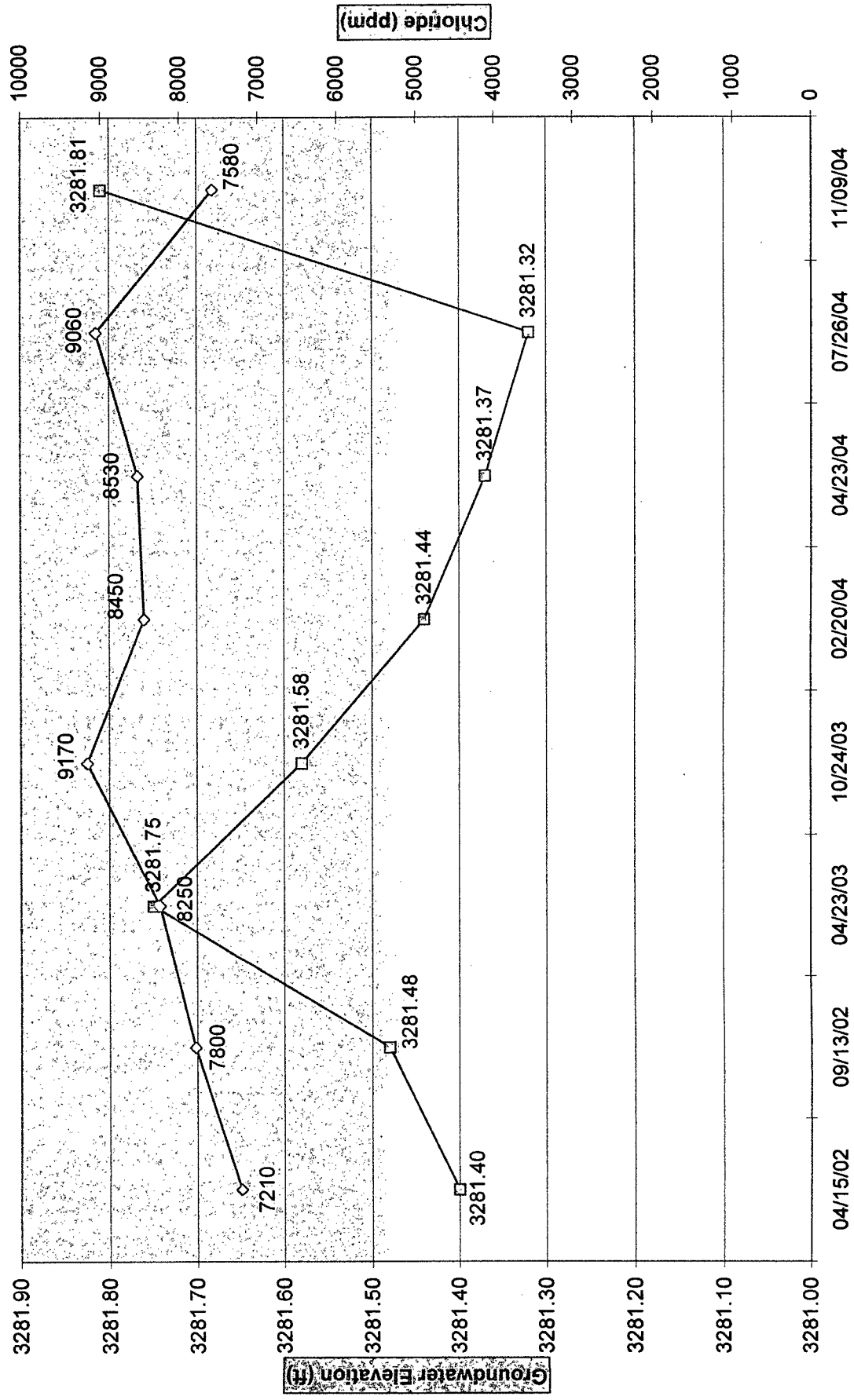
MWD-8 Groundwater vs Chloride



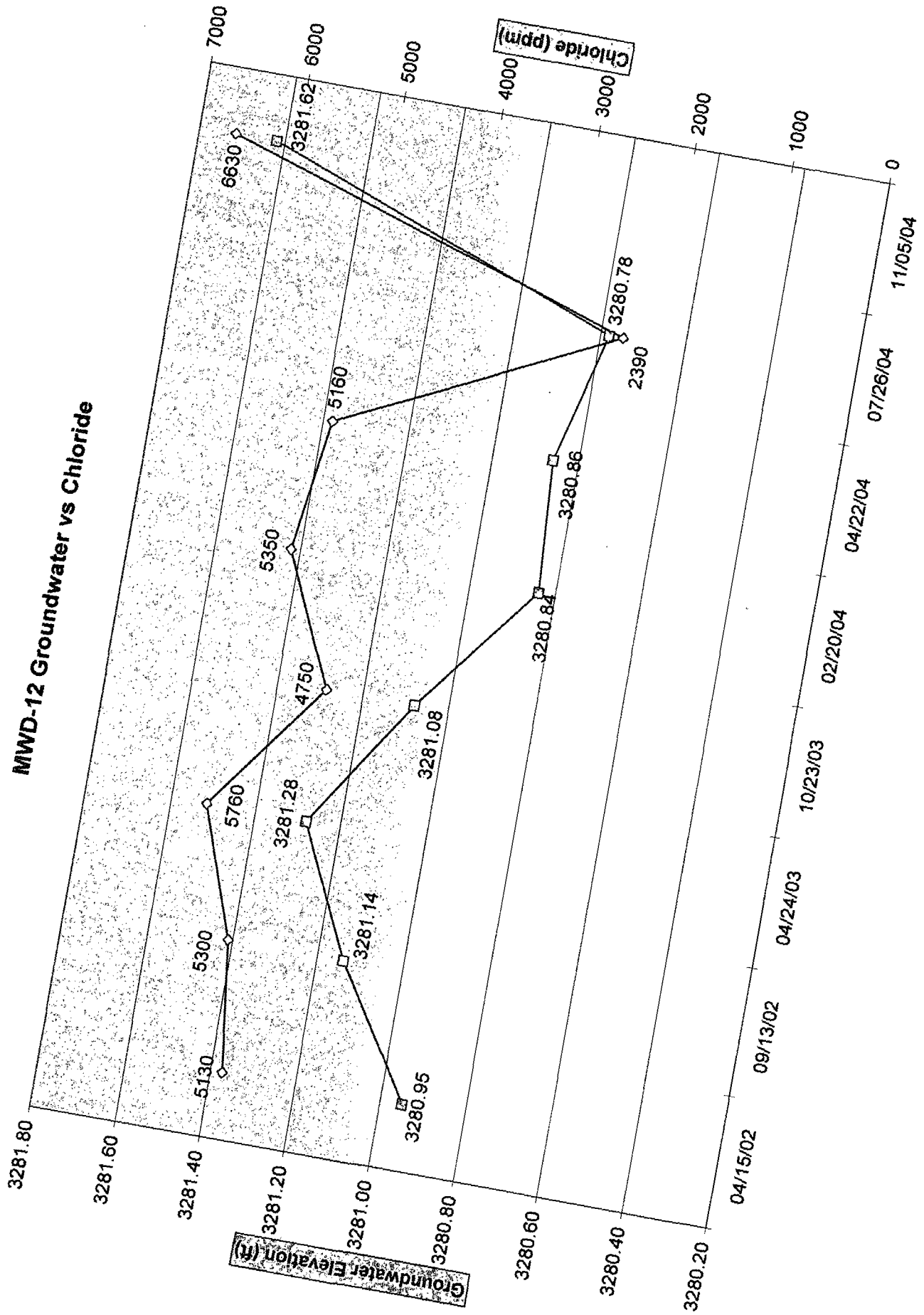
MWD-9 Groundwater vs Chloride



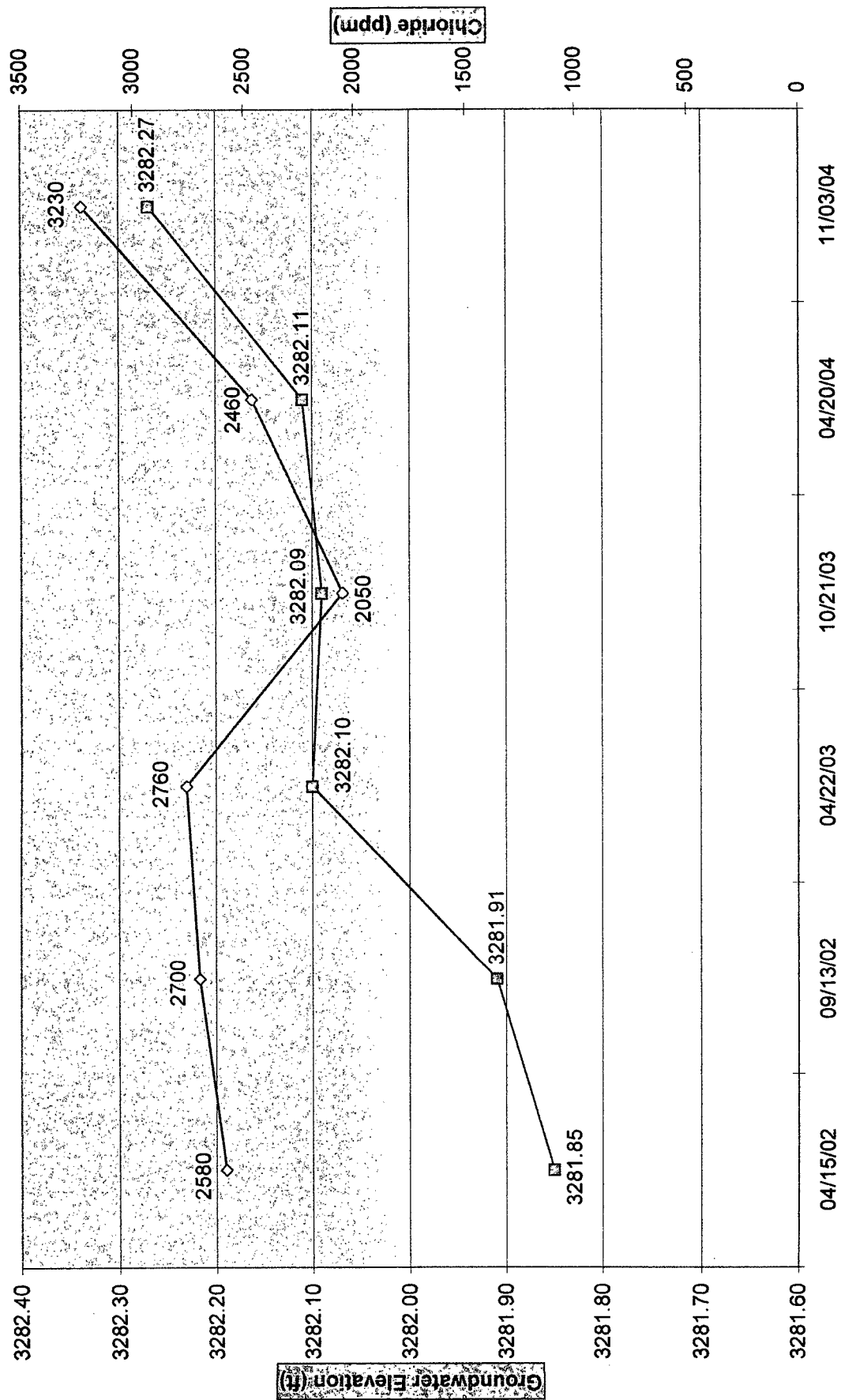
MWD-10 Groundwater vs Chloride



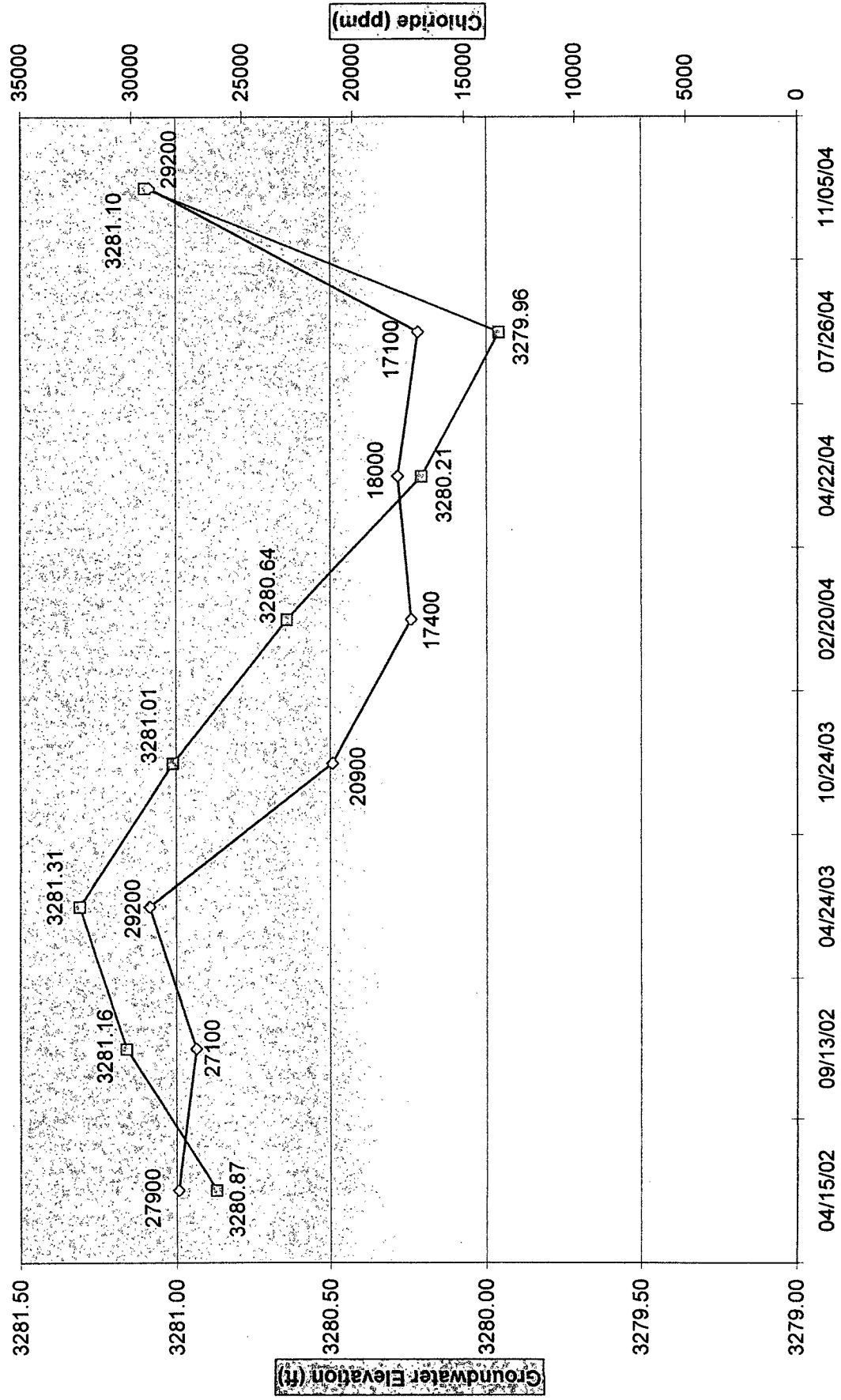
MWD-12 Groundwater vs Chloride



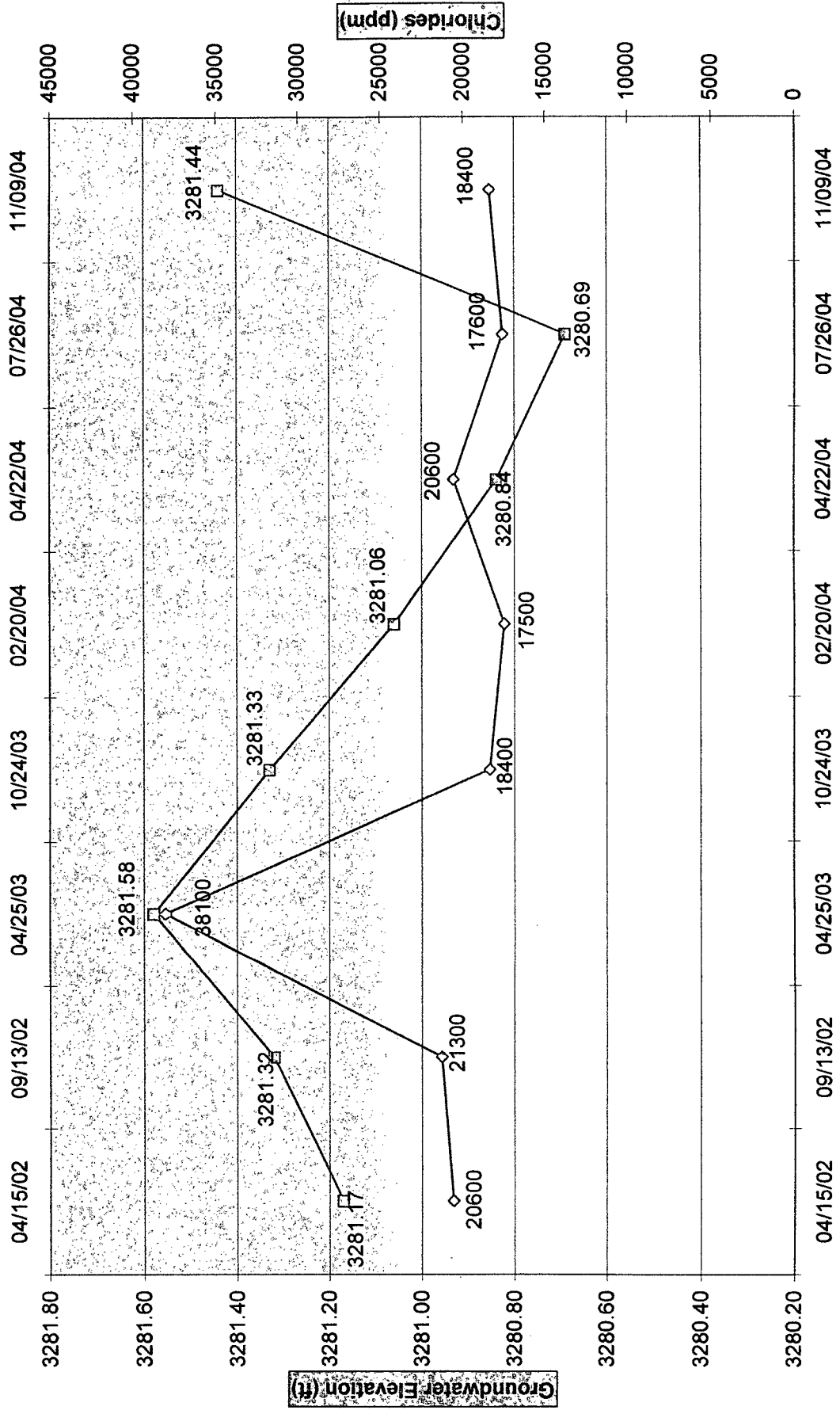
MWD-11 Groundwater vs Chloride



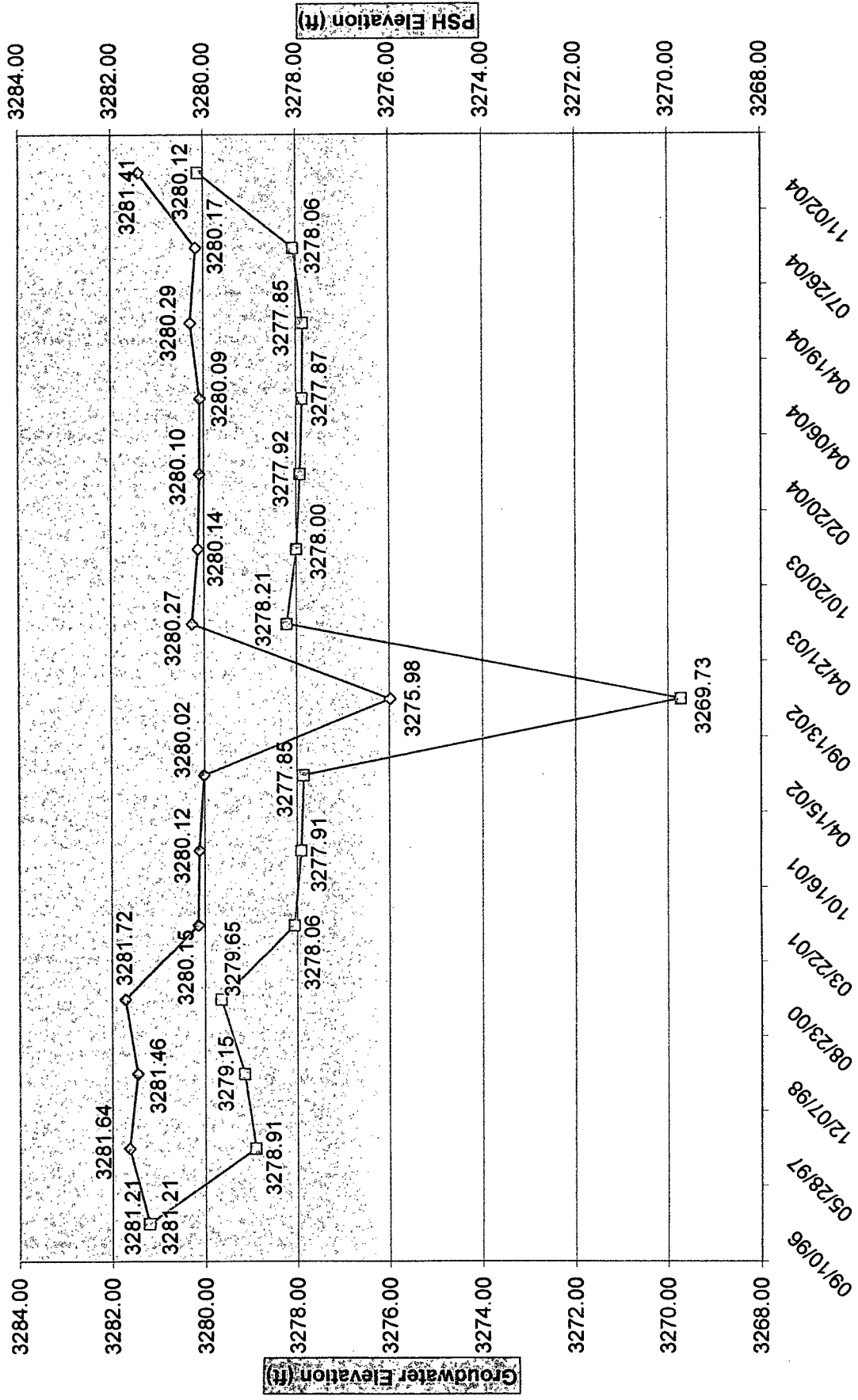
MWD 13 Groundwater vs Chloride



MWD-14 Groundwater vs Chloride



MW-1 Groundwater vs PSH



APPENDIX E

Chloride Recovery System Well Permits

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 286708
File Nbr: CP 00009

Feb. 17, 2004

GARY MILLER, AGENT
VERSADO GAS PROCESSORS, LLC
6 DESTA DRIVE, SUITE 3300
MIDLAND, TX 79705

Greetings:

Enclosed is your copy of the above numbered permit which has been approved subject to the conditions set forth on the approval page thereof.

Proof of Completion of Well(s) will be filed in this office after completion and installation of equipment, but in no event later than 02/28/2006. Proof of Completion of Well forms shall be mailed upon request.

Your rights under this permit will expire on 02/28/2006, unless Proof of Completion of Well(s) is filed or an Application for Extension of Time is received in this office on or before that date.

Sincerely,

M. Wolf
for Johnny R. Hernandez
(505) 622-6467

Enclosure
cc: Santa Fe Office

nonappcw

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)

SPECIFIC CONDITIONS OF APPROVAL

- 1B Depth of the well shall not exceed the thickness of the Ogallala formation.
- 5A A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor for each calendar month on or before the 10th day of the following month.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- PCW The Point of Diversion CP 00009 S must be completed and the Proof of Completion of Works filed on or before 02/28/2006.

This well shall be at least 660 feet from all wells of other ownership.

1. This application is approved as follows:

PERMIT NO: CP-9-S

SOURCE: Shallow Ground Water

POINT OF DIVERSION:

CP-9 N1/2SW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
(existing well)

CP-9-S SE1/4SE1/4NW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
(proposed well)

PURPOSE OF USE: Industrial / Remediation

PLACE OF USE:

Old NM Gasoline Plant #1 N1/2SW1/4 Sec.27, Twp 22S,
Rge 37E, NMPM (Versado Gas Processing, LLC)

AMOUNT OF WATER: Up to 32.0 acre-feet per annum for
Industrial / Remediation purposes.

The diversion of water for Industrial (Remediation) use from well CP-9-S shall be limited to a maximum of 32.0 acre-feet per annum measured at the well by a totalizing meter and water use reported to the State Engineer Office.

Trn Desc: CP 9 S

File Number: CP 00009

Trn Number: 286708

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)

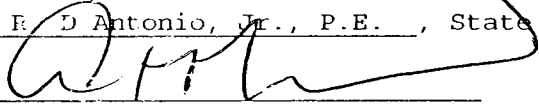
ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 01/06/2004 Pub. of Notice Ordered: 10/24/2003
Date Returned - Correction: Affidavit of Pub. Filed: 01/06/2004

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 17 day of Feb A.D., 2004

John R. D Antonio, Jr., P.E., State Engineer

By: 
Art Mason

John R. D Antonio, Jr., P.E.
State Engineer



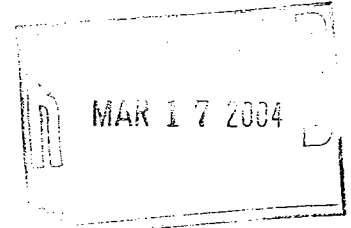
Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 286782
File Nbr: CP 00244 S

March 15, 2004

GARY MILLER, AGENT
VERSADO GAS PROCESSORS, LLC
6 DESTA DRIVE, SUITE 3300
MIDLAND, TX 79705



Greetings:

Enclosed is your copy of the above numbered permit which has been approved subject to the conditions set forth on the approval page thereof.

Proof of Completion of Well(s) will be filed in this office after completion and installation of equipment, but in no event later than 03/31/2006. Proof of Completion of Well forms shall be mailed upon request.

Your rights under this permit will expire on 03/31/2006, unless Proof of Completion of Well(s) is filed or an Application for Extension of Time is received in this office on or before that date.

Sincerely,

for M. Wolf
Johnny R. Hernandez
(505) 622-6467

Enclosure
cc: Santa Fe Office

nonappcw

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)

SPECIFIC CONDITIONS OF APPROVAL

- 1B Depth of the well shall not exceed the thickness of the Ogallala formation.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- PCW The Point of Diversion L 00712 C S 2 must be completed and the Proof of Completion of Works filed on or before 02/28/2005.

This well shall be drilled at least 660 feet from all wells of other ownership.

1. This application is approved as follows:

PERMIT NO: L-712-C-S-2

SOURCE: Shallow Ground Water

POINT OF DIVERSION:

L-712-C SW1/4NW1/4 Sec. 8, Twp 15S, Rge 36E, NMPM
L-712-C-S SW1/4NW1/4 Sec. 8, Twp 15S, Rge 36E, NMPM
L-712-C-S-2 SW1/4SW1/4NW1/4 Sec. 8, Twp 15S, Rge 36E, NMPM
(proposed)

PURPOSE OF USE: Irrigation

PLACE OF USE:

W1/2SW1/4NW1/4 Sec. 8, Twp 15S, Rge 36E, NMPM 19.2 acres
W363'E1/2SW1/4
NW1/4 Sec. 8, Twp 15S, Rge 36E, NMPM 11.0 acres

AMOUNT OF WATER:

90.6 acre-feet per annum ^{for} on the irrigation of 30.2 acres of land.

2. The diversion of water from all ^{Sources} combined ^{under this permit} ~~sources~~ shall be limited to a maximum of 3 acre-feet per acre per annum measured at the wells ~~on the~~ 30.2 acres ~~of land~~.

Trn Desc: L 712 C S 2

File Number: L 00712 C

Trn Number: 248373

page: 1

for the irrigation of

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)

SPECIFIC CONDITIONS OF APPROVAL

- 1B Depth of the well shall not exceed the thickness of the Ogallala formation.
- 5A A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor for each calendar month on or before the 10th day of the following month.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- PCW The Point of Diversion CP 00244 S must be completed and the Proof of Completion of Works filed on or before 03/31/2006.

THIS WELL SHALL BE DRILLED AT LEAST 660 FEET FROM ALL WELLS OF OTHER OWNERSHIP.

1. This application is approved as follows:

PERMIT NO: CP-244-S

SOURCE: Shallow Ground Water

POINT OF DIVERSION:

CP-244 SE1/4SW1/4SW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
CP-244-S SW1/4SE1/4NW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM

PURPOSE OF USE: Industrial / Remediation

PLACE OF USE:

Old NM Gasoline Plant #1 N1/2SW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM (Versado Gas Processing, LLC)

Trn Desc: CP 244 S

File Number: CP 00244

Trn Number: 286782

**NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)**

AMOUNT OF WATER:

Up to 48.0 acre-feet per annum for industrial / remediation purposes.

2. The diversion of water for industrial / remediation use from well CP-244-S shall be limited to a maximum of up to 48.0 acre-feet per annum measured at the well by a totalizing meter and water use reported to the State Engineer Office.

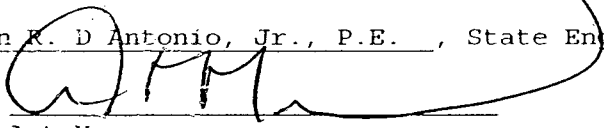
ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 10/17/2003	Pub. of Notice Ordered: 10/24/2003
Date Returned - Correction:	Affidavit of Pub. Filed: 01/06/2004

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 15 day of Mar A.D., 2004

John R. D Antonio, Jr., P.E., State Engineer

By: 
Art Mason

John R. D Antonio, Jr., P.E.
State Engineer

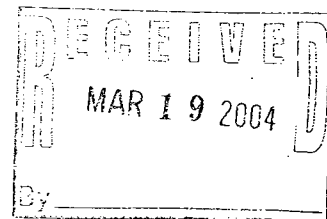


Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 286781
File Nbr: CP 00243

Mar. 17, 2004



GARY MILLER, AGENT
VERSADO GAS PROCESSORS, LLC
6 DESTA DRIVE, SUITE 3300
MIDLAND, TX 79705

Greetings:

Enclosed is your copy of the above numbered permit which has been approved subject to the conditions set forth on the approval page thereof.

Proof of Completion of Well(s) will be filed in this office after completion and installation of equipment, but in no event later than 03/31/2006. Proof of Completion of Well forms shall be mailed upon request.

Your rights under this permit will expire on 03/31/2006, unless Proof of Completion of Well(s) is filed or an Application for Extension of Time is received in this office on or before that date.

Sincerely,

A handwritten signature in dark ink, appearing to read "Johnny R. Hernandez", written over a horizontal line.

Johnny R. Hernandez
(505) 622-6467

Enclosure
cc: Santa Fe Office

nonappcw

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)

SPECIFIC CONDITIONS OF APPROVAL

- 1B Depth of the well shall not exceed the thickness of the Ogallala formation.
- 5A A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor for each calendar month on or before the 10th day of the following month.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- PCW The Point of Diversion CP 00243 S must be completed and the Proof of Completion of Works filed on or before 03/31/2006.

THIS WELL SHALL BE AT LEAST 660 FEET FROM ALL WELLS OF OTHER OWNERSHIP.

1. This application is approved as follows:

PERMIT NO: CP-243-S

SOURCE: Shallow Ground Water

POINT OF DIVERSION:

CP-243 SW1/4SW1/4NW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
CP-243-S NW1/4NE1/4SW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
(proposed)

PURPOSE OF USE: Industrial / Remediation

PLACE OF USE:

Old Gasoline Plant #1 N1/2SW1/4, Sec.27, Twp 22S, Rge 37E,
NMPM (Versado Gas Processing, LLC)

AMOUNT OF WATER:

Up to 32.0 acre-feet per annum for industrial / remediation purposes.

2. The diversion of water for industrial / remediation use from well CP-243-S shall be limited to a maximum of 32.0 acre-feet per annum measured at the well by a totalizing meter and water use reported to the State Engineer Office.

Trn Desc: CP 243 S

File Number: CP 00243

Trn Number: 286781

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)

ACTION OF STATE ENGINEER

Notice of Intention Rcvd: Date Rcvd. Corrected:
Formal Application Rcvd: 10/17/2003 Pub. of Notice Ordered: 10/24/2003
Date Returned - Correction: Affidavit of Pub. Filed: 01/06/2004

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 17 day of Mar A.D., 2004

John E. D Antonio, Jr., P.E., State Engineer

By: 
Art Mason

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 286748
File Nbr: CP 00234

Mar. 24, 2004

GARY MILLER, AGENT
VERSADO GAS PROCESSORS, LLC
6 DESTA DRIVE, SUITE 3300
MIDLAND, TX 79705

Greetings:

Enclosed is your copy of the above numbered permit which has been approved subject to the conditions set forth on the approval page thereof.

Proof of Completion of Well(s) will be filed in this office after completion and installation of equipment, but in no event later than 03/31/2006. Proof of Completion of Well forms shall be mailed upon request.

Your rights under this permit will expire on 03/31/2006, unless Proof of Completion of Well(s) is filed or an Application for Extension of Time is received in this office on or before that date.

Sincerely,

A handwritten signature in cursive script, appearing to read "Johnny R. Hernandez".

Johnny R. Hernandez
(505) 622-6467

Enclosure
cc: Santa Fe Office

nonappcw

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)

SPECIFIC CONDITIONS OF APPROVAL

- 1B Depth of the well shall not exceed the thickness of the Ogallala formation.
- 5A A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor for each calendar month on or before the 10th day of the following month.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- PCW The Point of Diversion CP 00234 S must be completed and the Proof of Completion of Works filed on or before 03/31/2006.

This well is to be drilled at least 660 feet from all wells of other ownership.

1. This application is approved as follows:

PERMIT NO: CP-234-S

SOURCE: Shallow Ground Water

POINT OF DIVERSION:

CP-234 SW1/4NW1/4SW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
CP-234-S NW1/4NE1/4SW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
(proposed)

PURPOSE OF USE: Industrial / Remediation

PLACE OF USE:

Old NM Gasoline Plant #1 N1/2SW1/4 Sec. 27, Twp 22S,
Rge 37E, NMPM (Versado Gas Processing, LLC)

Trn Desc: CP 234 S

File Number: CP 00234

Trn Number: 286748

**NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)**

AMOUNT OF WATER:

Up to 48.0 acre-feet per annum for industrial / remediation purposes.

2. The diversion of water for industrial (remediation) use from well CP-233-S shall be limited to a maximum of 48.0 acre-feet per annum measured at the well by a totalizing meter and water use reported to the State Engineer Office.

ACTION OF STATE ENGINEER

Notice of Intention Rcvd:	Date Rcvd. Corrected:
Formal Application Rcvd: 10/17/2003	Pub. of Notice Ordered: 10/24/2003
Date Returned - Correction:	Affidavit of Pub. Filed: 01/06/2004

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this 24 day of Mar A.D., 2004

John R. D. Antonio, Jr., P.E., State Engineer

By: [Signature]
Art Mason

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 286716
File Nbr: CP 00231

Mar. 24, 2004

GARY MILLER, AGENT
VERSADO GAS PROCESSORS, INC.
6 DESTA DRIVE, SUITE 3300
MIDLAND, TX 79705

Greetings:

Enclosed is your copy of the above numbered permit which has been approved subject to the conditions set forth on the approval page thereof.

Proof of Completion of Well(s) will be filed in this office after completion and installation of equipment, but in no event later than 03/31/2006.

Proof of Completion of Well forms shall be mailed upon request.

Your rights under this permit will expire on 03/31/2006, unless Proof of Completion of Well(s) is filed or an Application for Extension of Time is received in this office on or before that date.

Sincerely,

A handwritten signature in black ink, appearing to read "Johnny R. Hernandez", is written over a horizontal line.

Johnny R. Hernandez
(505) 622-6467

Enclosure

cc: Santa Fe Office

nonappcw

**NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)**

SPECIFIC CONDITIONS OF APPROVAL

- 1B Depth of the well shall not exceed the thickness of the Ogallala formation.
- 5A A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor for each calendar month on or before the 10th day of the following month.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- PCW The Point of Diversion CP 00231 S must be completed and the Proof of Completion of Works filed on or before 03/31/2006.

This well shall be at least 660 feet from all wells of other ownership.

1. This application is approved as follows:

PERMIT NO: CP-231-S

SOURCE: Shallow Ground Water

POINT OF DIVERSION:

CP-231 SW1/4NW1/4NW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
CP-231-S SE1/4SE1/4NW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
(proposed)

PURPOSE OF USE: Industrial / Remediation

PLACE OF USE:

Old NM Gasoline Plant #1 N1/2SW1/4 Sec. 27, Twp 22S, Rge 37E,
NMPM (Versado Gas Processing, LLC)

Trn Desc: CP 231 S

File Number: CP 00231

Trn Number: 286716

**NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)**

AMOUNT OF WATER:

Up to 48.0 acre-feet per annum for industrial / remediation purposes.

2. The diversion of water for industrial (remediation) use from well CP-231 shall be limited to a maximum of 48.0 acre-feet per annum measured at the well by a totalizing meter and water use reported to the State Engineer Office.

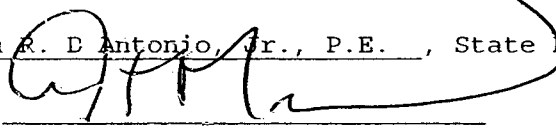
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Witness my hand and seal this 24 day of Mar A.D., 2004

John R. D. Antonio, Jr., P.E., State Engineer

By: 

Art Mason

John R. D Antonio, Jr., P.E.
State Engineer



Roswell Office
1900 WEST SECOND STREET
ROSWELL, NM 88201

**STATE OF NEW MEXICO
OFFICE OF THE STATE ENGINEER**

Trn Nbr: 286739
File Nbr: CP 00233

Mar. 24, 2004

GARY MILLER, AGENT
VERSADO GAS PROCESSORS, LLC
6 DESTA DRIVE, SUITE 3300
MIDLAND, TX 79705

Greetings:

Enclosed is your copy of the above numbered permit which has been approved subject to the conditions set forth on the approval page thereof.

Proof of Completion of Well(s) will be filed in this office after completion and installation of equipment, but in no event later than 03/31/2006. Proof of Completion of Well forms shall be mailed upon request.

Your rights under this permit will expire on 03/31/2006, unless Proof of Completion of Well(s) is filed or an Application for Extension of Time is received in this office on or before that date.

Sincerely,

A handwritten signature in black ink, appearing to read "Johnny R. Hernandez", is written over a horizontal line.

Johnny R. Hernandez
(505) 622-6467

Enclosure
cc: Santa Fe Office

nonappcw

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)

SPECIFIC CONDITIONS OF APPROVAL

- 1B Depth of the well shall not exceed the thickness of the Ogallala formation.
- 5A A totalizing meter shall be installed before the first branch of the discharge line from the well and the installation shall be acceptable to the State Engineer; the Engineer shall be advised of the make, model, serial number, date of installation, and initial reading of the meter prior to appropriation of water; pumping records shall be submitted to the District Supervisor for each calendar month on or before the 10th day of the following month.
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- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- PCW The Point of Diversion CP 00233 S must be completed and the Proof of Completion of Works filed on or before 03/31/2006.

This well is to be drilled at least 660 feet from all wells of other ownership.

1. This application is approved as follows:

PERMIT NO: CP-233-S

SOURCE: Shallow Ground Water

POINT OF DIVERSION:

CP-233 SE1/4NW1/4SW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
CP-233-S NW1/4NE1/4SW1/4 Sec. 27, Twp 22S, Rge 37E, NMPM
(proposed)

PURPOSE OF USE: Industrial / Remediation

PLACE OF USE:

Old NM Gasoline Plant #1 N1/2SW1/4 Sec. 27, Twp 22S,
Rge 37E, NMPM (Versado Gas Processing, LLC)

Trn Desc: CP 233 S

File Number: CP 00233

Trn Number: 286739

NEW MEXICO STATE ENGINEER OFFICE
APPLICATION FOR SUPPLEMENTAL WELL (GROUND)

AMOUNT OF WATER:

Up to 48.0 acre-feet per annum for industrial / remediation purposes.

2. The diversion of water for industrial (remediation) use from well CP-233-S shall be limited to a maximum of 48.0 acre-feet per annum measured at the well by a totalizing meter and water use reported to the State Engineer Office.

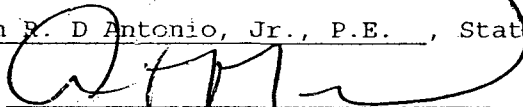
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John R. D Antonio, Jr., P.E., State Engineer

By: 

Art Mason