WASTE MANAGEMENT, INC.

AUSTIN COMMUNITY RECYCLING & DISPOSAL FACILITY
AUSTIN, TRAVIS COUNTY, TEXAS
TCEQ PERMIT NO. MSW-249D

PERMIT AMENDMENT APPLICATION

VOLUME IV OF VI

Prepared for:

Waste Management of Texas, Inc.

Prepared by:

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August 2005
Revision 1 – December 2005
Revision 2 – March 2006
Revision 3 – October 2006
Revision 4 – May 2007
Revision 5 – August 2007
Revision 6 – October 2007
Revision 7 – December 2007
Revision 8 – February 2008
Revision 9 – April 2008
Revision 10 – May 2008

Technically Complete
1929

APPENDIX D

PREVIOUS STUDIES

COOK-JOYCE, INC

SEPTEMBER 1990

Technically Complete
1931

81

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812 WEST ELEVENTH SUITE 205
AUSTIN, TEXAS 78701 512·474·9097

ATTACHMENT 11
SOILS REPORT
AUSTIN COMMUNITY LANDFILL EXPANSION

Prepared for:

Texas Waste Systems, Inc.
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Houston, Texas 77040

Prepared by:

Cook-Joyce, Inc.
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Austin, Texas 78701

15 September 1989
Revision 1 - 27 September 1990
CJI File 87078

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1932

D✓

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**Technically Complete
1933**

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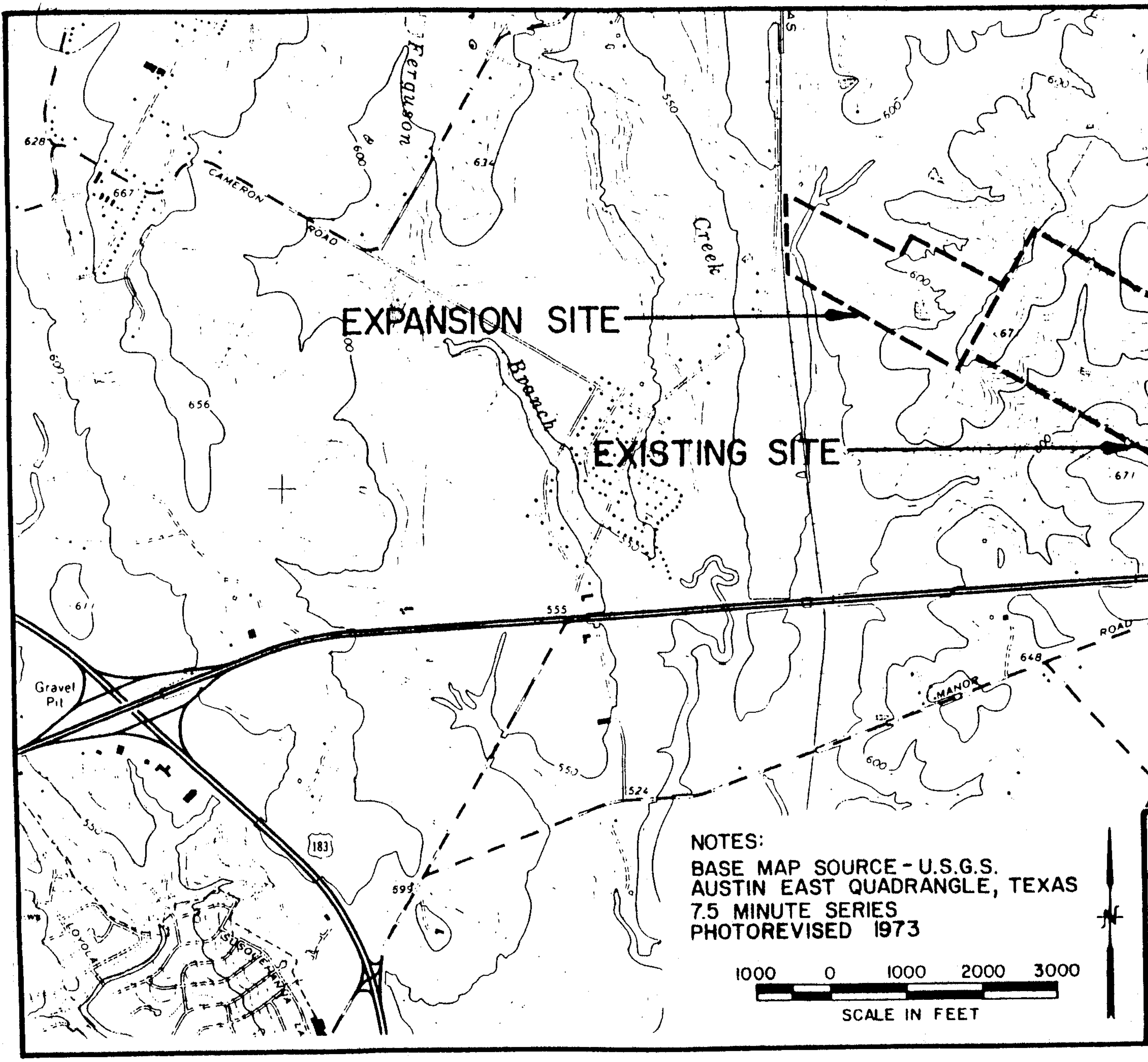
1.0 INTRODUCTION

Waste Management of North America, Inc. (WMNA) authorized Cook-Joyce, Inc. (CJI) in September, 1987, to conduct a geotechnical/ hydrogeological investigation of a tract of land located just west of the Austin Community Landfill in Travis County, Texas. This investigation was designed to gather sufficient data to satisfy the requirements of the Municipal Solid Waste Management Regulations of the Texas Department of Health (TDH) for a Type I Sanitary Landfill permit application. The proposed area of expansion is comprised of approximately 70 acres situated west of the existing site located 1,000 feet north of US 290, adjacent to and west of Giles Road, and immediately east of Springdale Road, approximately four miles east of the intersection of US 290 and IH 35 (Fig. 1-1).

A field investigative program was conducted during October of 1987, to delineate geologic and hydrogeologic conditions at the site; obtain samples of soils and geologic materials for laboratory testing; and install piezometers for collection of hydrogeologic data. Drilling and laboratory services were provided by Southwestern Laboratories of Austin, Texas. Drilling, sampling, piezometer installation activities, and field measurements were conducted by or under the supervision of a CJI hydrogeologist.

86



NOTES:
BASE MAP SOURCE - U.S.G.S.
AUSTIN EAST QUADRANGLE, TEXAS
7.5 MINUTE SERIES
PHOTOREVISED 1973

1000 0 1000 2000 3000
SCALE IN FEET

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FIGURE 1-1
PROJECT LOCATION

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1937

This document includes data from field and laboratory efforts; previous site investigations; descriptions of relevant regional geology and hydrogeology; and CJI's assessment of site conditions related to the proposed disposal operation.

2.0 REGIONAL GEOLOGY

2.1 GEOMORPHOLOGY

The Balcones escarpment, or fault zone, extends northeast-southwest and divides Travis County into two major physiographic provinces: the Great Plains to the west of the escarpment and the Gulf Coastal Plain to the east. The Balcones escarpment also serves to mark the transition of three major physiographic regions in Texas: the Edwards Plateau, which is the eastern extent of the Great Plains in Travis County; the Blackland Prairie, which is the western extent of the Gulf Coastal Plain in the county; and the Rolling Prairie, which is a contrasting zone of slope and substrate conditions between the two (Fig. 2-1). These regions are delineated primarily on the basis of topographic expression, but also contain characteristic vegetation, soil and bedrock features.

The site of interest lies in the Blackland Prairie region in central Travis County approximately three miles east of the Balcones fault zone. Topography of this region is slightly to moderately dissected with slopes ranging from two to five percent. The Blackland Prairie is underlain by beds of soft limestone, marl and clay. This region is characterized by thick clayey soils with

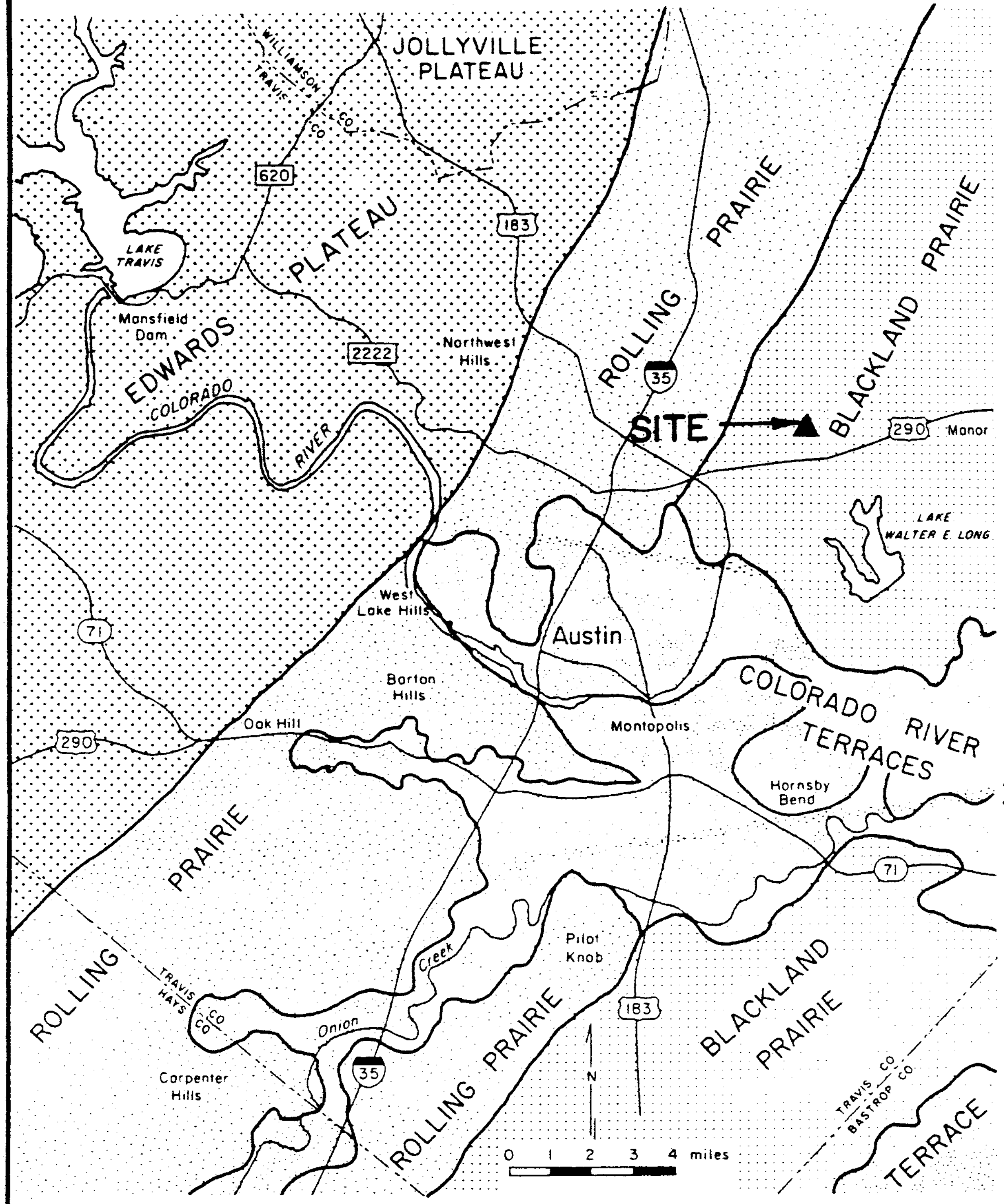

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FIGURE 2-1
PHYSIOGRAPHIC MAP

NOTE:
MODIFIED FROM GARNER
AND YOUNG, 1976

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1940

accompanying grasslands dotted by scattered thickets of live oak, mesquite and a few cedar trees.

2.2 STRATIGRAPHY

The stratigraphic units underlying the region are composed of sediments deposited during the Mesozoic and Cenozoic geologic eras. The Mesozoic Era is represented in the area by deposits of the Cretaceous System and the Cenozoic by deposits of the Tertiary and Quarternary System (Fig. 2-2).

The Cretaceous System is divided in two series, Comanchean and Gulfian. The oldest is the Comanchean Series which is composed of three groups: Trinity, Fredericksburg and Washita. The Gulfian Series is divided into four groups: Eagle Ford, Austin, Taylor and Navarro. The Comanchean Series in the Austin area consists predominantly of carbonate limestone and dolomite rock units with some clastic rocks. The Gulfian Series is composed predominantly of clastic rock units consisting of chalk, shale and clay.

The Tertiary System in the Austin area is represented by the Eocene Series. This series is composed mainly of marine clay and sandy clay deposits. The Quanternary System consists of the Pelistocene and Holocene Series in decreasing age, respectively,

System	Series	Group	Stratigraphic unit		Hydrologic unit	Approximate maximum thickness (feet)
Quaternary	Recent		Alluvium		Alluvium and terrace deposits	60
	Pleistocene		Terrace deposits			60
			Onion Creek Marl			50
			High gravel			20
Tertiary	Eocene	Midway			Midway	300
Cretaceous	Gulf	Navarro			Navarro and Taylor Groups	1,200
		Taylor ✱				
		Austin	Igneous rocks		Igneous rocks	700
					Austin Chalk	500
		Eagle Ford				45
	Comanche	Washita	Buda Limestone			50
			Del Rio Clay			75
			Georgetown Formation		Edwards and associated limestones	100
		Fredericksburg	Kiamichi Formation			10
			Edwards Limestone			360
			Comanche Peak Limestone			60
			Walnut Formation			120
		Trinity	Paluxy Formation		Upper Trinity	10
			Glen Rose Formation	Upper Member		600
				Lower member	Middle Trinity	330
			Travis Peak Formation	Hensell Sand Member		70
				Cow Creek Limestone Member		100
				Hammett Shale Member		60
				Sligo Member	Lower Trinity	300
				Hosston Member (Sycamore Sand in outcrop)		800

NOTES:
MODIFIED FROM BRUNE AND DUFFIN, 1983
✱ - PROJECT SITE

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FIGURE 2-2
STRATIGRAPHIC COLUMN

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1942

These series consist of alluvial floodplain, terrace and high gravel deposits (Sellards et al., 1932) (Rodda, 1970) (Garner and Young, 1976).

2.3 STRUCTURE

The Cretaceous units are deposited uncomformeably over pre-Cretaceous units (Sellards et al., 1932). The Cretaceous units strike northeast-southwest and regionally dip gently in a southeast direction toward the Gulf Coast. Both the regional strike and dip become irregular in the Austin area due to the Balcones fault zone (Fig. 2-3). The Balcones fault zone, which has been inactive in the Austin area since the Miocene Epoch, is about six to eight miles wide and passes through the center of Travis County (Fig. 2-4). It consists of numerous high angle faults which predominantly trend northeast to southwest, roughly paralleling the strike of the geologic units. Transverse faults trending northwest and southeast also occur and are normally less than one mile in length. The fault blocks are mainly downthrown to the southeast with the total displacement ranging from about 600 feet in the northeast to over 1,000 feet in southwestern Travis County (Brune and Duffin, 1983).

The regional southeast dip of Cretaceous strata is altered in the Austin area where the rocks on the upthrown side of the zone dip

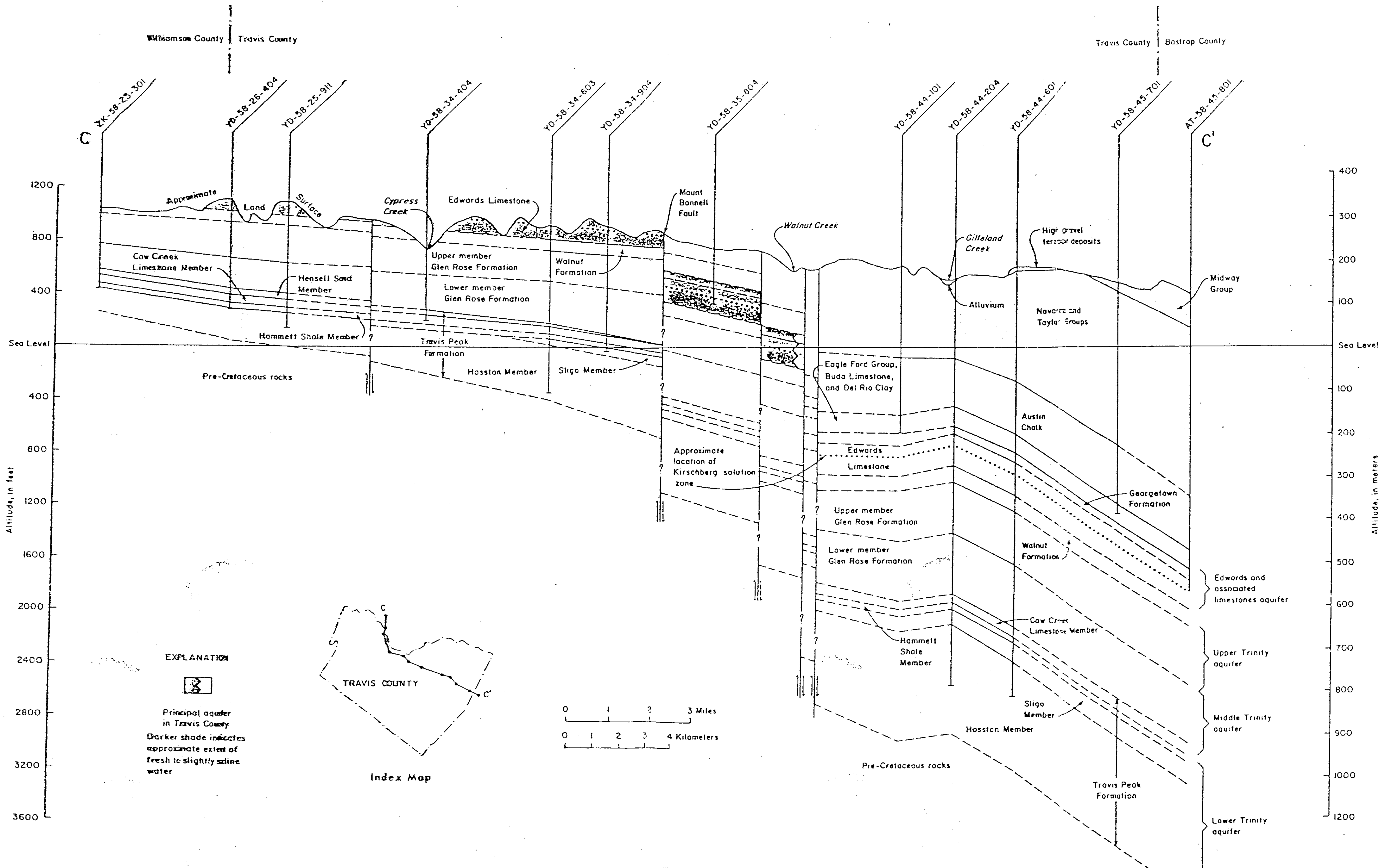

FIGURE 2-3
REGIONAL GEOLOGIC CROSS-SECTION

MODIFIED FROM BRUNE
AND DUFFIN, 1983

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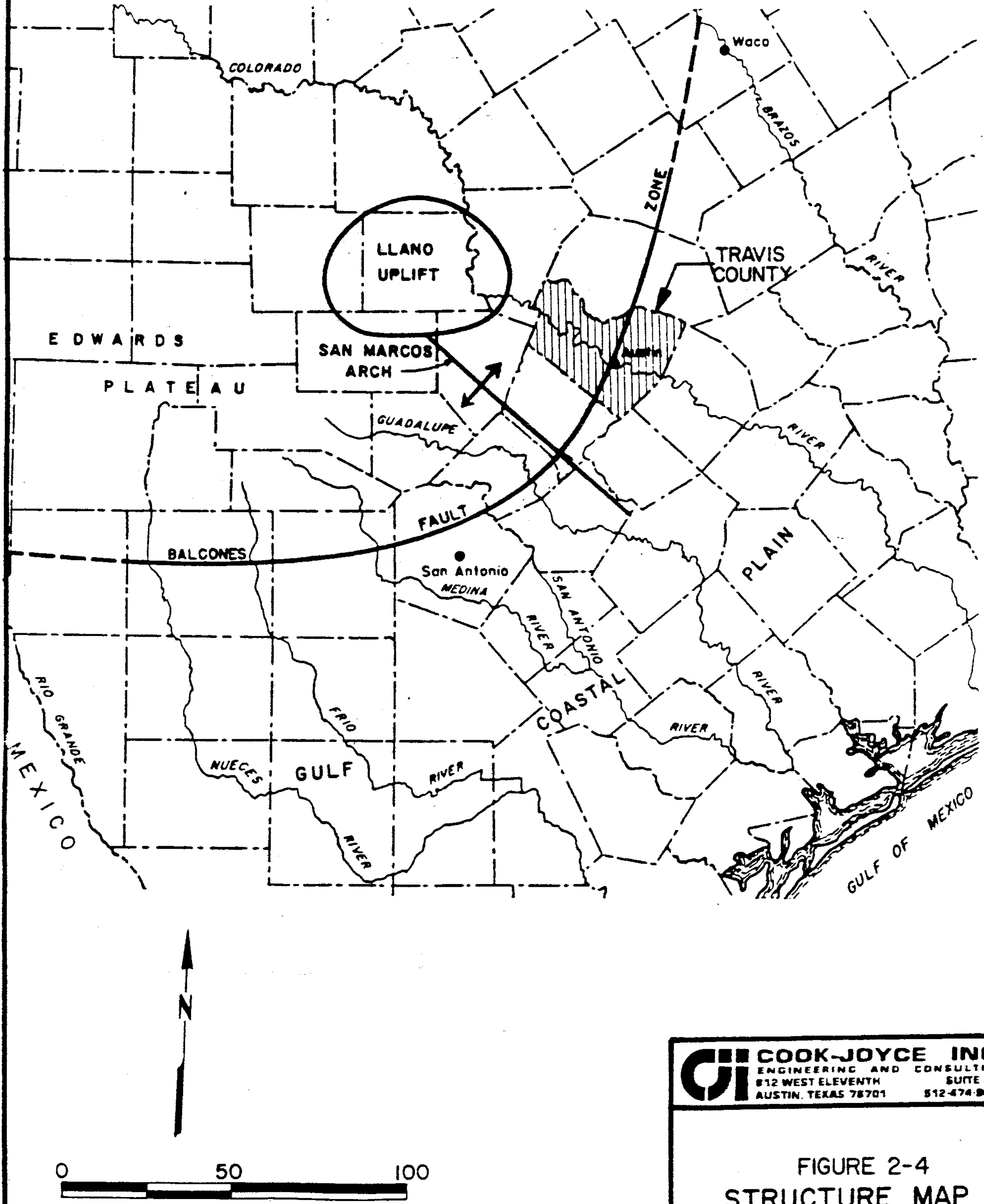
1944



SCALE IN MILES

MODIFIED FROM DECOOK, 1960

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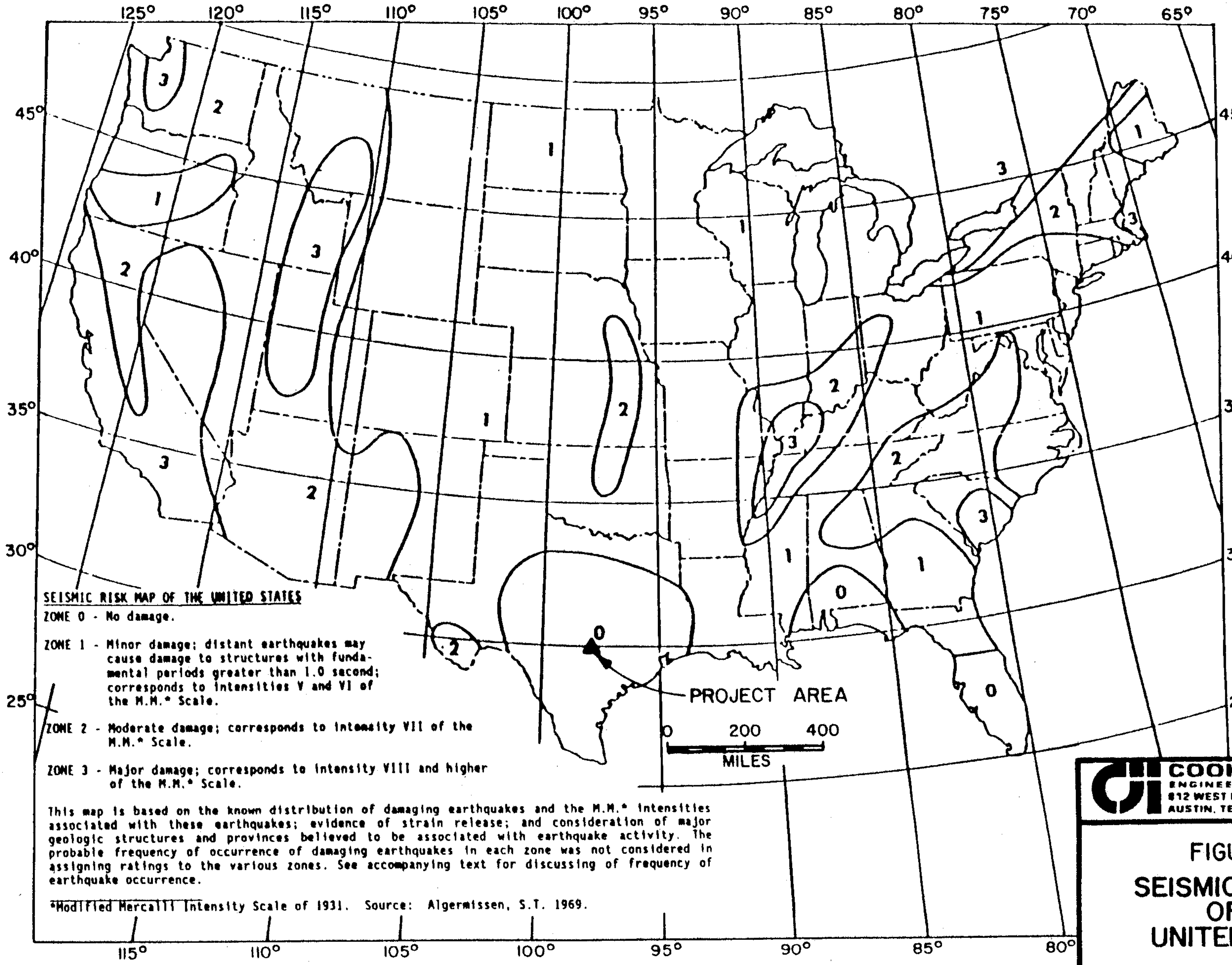
FIGURE 2-4
STRUCTURE MAP

Technically Complete
1945

toward the northeast (Tucker, 1962). Within the fault zone, dips vary greatly in both magnitude and direction. On the downthrown side of the fault zone, the rocks again dip in a regional southeast direction at about 100 feet per mile (Dunaway, 1962).

2.4 SIEMICITY

The seismic risk map for the United States and the seismic history of central Texas suggests a very low risk of earthquake occurrence of a sufficient magnitude to present a problem at the project site. Central Texas constitutes one of the least seismically active areas in the United States (Fig. 2-5) (Algermissen, 1969).



SEISMIC RISK MAP OF THE UNITED STATES

ZONE 0 - No damage.

ZONE 1 - Minor damage; distant earthquakes may cause damage to structures with fundamental periods greater than 1.0 second; corresponds to intensities V and VI of the M.M.* Scale.

ZONE 2 - Moderate damage; corresponds to intensity VII of the M.M.* Scale.

ZONE 3 - Major damage; corresponds to intensity VIII and higher of the M.M.* Scale.

This map is based on the known distribution of damaging earthquakes and the M.M.* intensities associated with these earthquakes; evidence of strain release; and consideration of major geologic structures and provinces believed to be associated with earthquake activity. The probable frequency of occurrence of damaging earthquakes in each zone was not considered in assigning ratings to the various zones. See accompanying text for discussing of frequency of earthquake occurrence.

*Modified Mercalli Intensity Scale of 1931. Source: Algermissen, S.T. 1969.

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FIGURE 2-5
SEISMIC RISK MAP
OF THE
UNITED STATES

Technically Complete
1947

3.0 REGIONAL HYDROGEOLOGY

The occurrence and quality of groundwater in Travis County is highly variable depending upon both the location in the county and in the substrate. Hydrogeologic units which yield fresh to moderately saline groundwater in the county, in the order of importance as an aquifer, are: the Edwards and associated limestones, the Trinity Group, the alluvium and terrace deposits, the Austin Chalk, the Navarro and Taylor Groups, igneous rocks around Pilot Knob, and the Midway Group (Brune and Duffin, 1983).

Deep aquifers of the basal Cretaceous Trinity Group, and the overlying Fredricksburg Group (which includes the Edwards aquifer) supplied 31 percent and 14 percent, respectively, of the total groundwater used in Travis County in 1976 (TDWR, 1976). The Trinity Group is subdivided into the lower, middle and upper Trinity aquifers in the western half of the county. The quality of water in the Trinity ranges from fresh to slightly saline, and neutral to very hard. The quality of water in this aquifer generally decreases downdip.

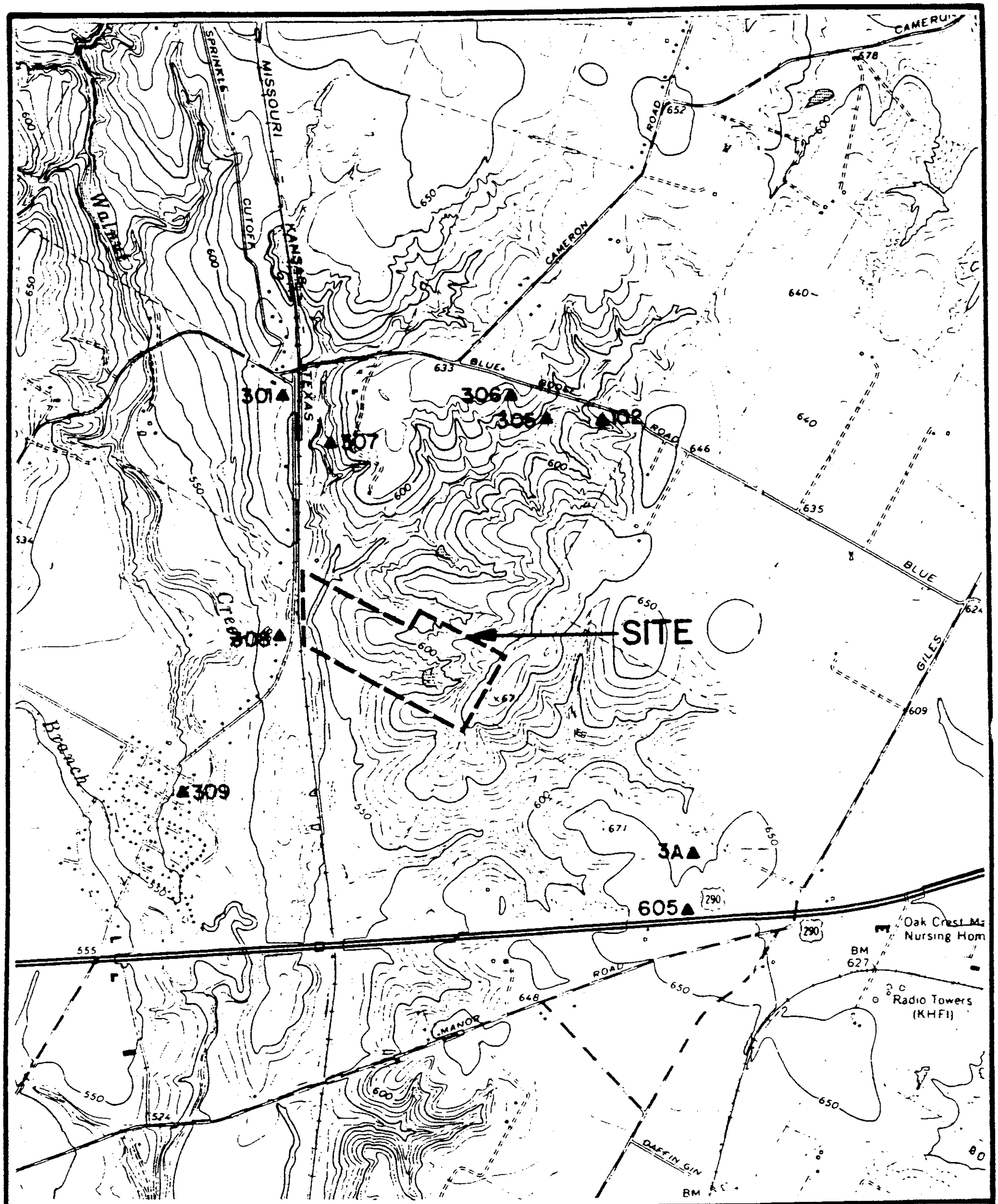
The Edwards and associated limestones making up the Edwards aquifer represent the upper portion of the Fredricksburg Group and lower portion of the Washita Group. These formations are, in ascending order, the Comanche Peak, Edwards, Kiamichi and

Georgetown. Groundwater in this aquifer is most available from solution and collapse zones associated with the Balcones fault zone. Groundwater movement within this aquifer, as with the Trinity aquifer, is generally southeast except where interrupted by faulting or local surface water. The quality of groundwater in the Edwards and associated limestones is usually fresh, neutral and very hard, and decreases in quality rapidly downdip (Brune and Duffin, 1983). In the vicinity of the subject site the Edwards is generally the highest aquifer capable of significant production. It would be expected to occur at -200 to -300 feet msl (800 - 900 feet below the surface). While no site specific or nearby data is available, this area is considered "downdip" and the quality of the water would not be expected to be high.

The Austin Chalk, Taylor and Navarro Groups produce only small quantities of groundwater in Travis County. Groundwater in these formations usually occurs in the upper, weathered outcrop portion of these units which is the most permeable. Groundwater moves in various directions, largely controlled by topography, through joints, crevices, faults, and more permeable bedding planes. Water levels in these zones are highly variable due to seasonal changes in precipitation.

A review of existing data on the project area available from the Texas Water Commission (TWC) indicates the presence of nine (9) water wells within a one-mile radius of the site (Fig. 3-1). Each of these wells are shallow, completed in the Taylor Group or alluvium to depths ranging from 21 to 40 feet below ground level (Table 3-1). Many of these wells are old hand-dug wells. The use of the wells varies from domestic to irrigation and livestock.

Technically Complete
1949



Water Well	Well No.
▲	301
▲	305
▲	306
▲	307
▲	308
▲	309
▲	605
▲	3A
▲	102

2000 1000 0 1000 2000

SCALE IN FEET

N

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FIGURE 3-1
AREA WATER WELL
LOCATION MAP

None of the wells are located within 500 feet of the disposal area boundary and should not be affected by the proposed landfill operation.

TABLE 3-1
AREA WATER WELL DATA

TWC Well No.	Owner	Depth (ft)	Aquifer	Water Level Below Ground (ft)	Date Measured	Well Use
58-43-301	-	-	-	-	-	-
58-43-305	C.R. Anderson	22	Taylor	6.6	4-12-72*	Domestic
58-43-306	R.E. Joseph	23	Taylor	18.8	4-12-72*	Stock
58-43-307	John Wilder	23	Taylor	20.1 13.3	4-12-72* 1981**	Domestic/ Stock
58-43-308	G.B. Heath	27	Alluvium	25.1 5.0	4-12-72* 1981**	Irrigation
58-43-309	Elmo Miertschin	33	Alluvium	-	-	Irrigation
58-43-605	R.D. Raschke	25	Taylor	18.3	4-12-72*	None
58-43-3A	-	40	Taylor	10	1974*	Domestic
58-44-102	Albert City	21	Taylor	8.7 5.0 4.3	1-05-40* 4-12-72* 1981**	Domestic

* - (TWC, 1987)
** - (URM, 1981)

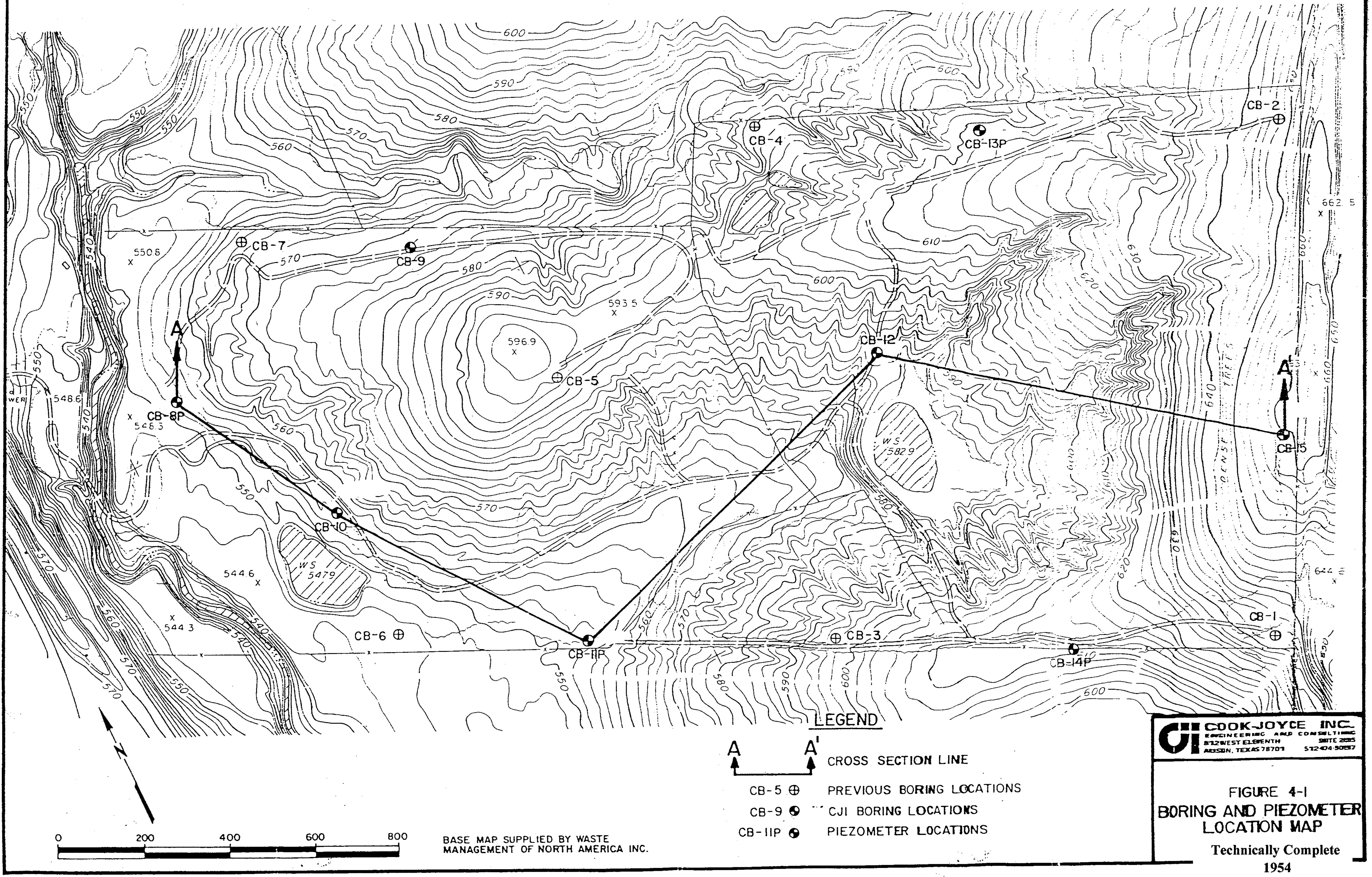
4.0 PROJECT SITE GEOLOGY

4.1 SITE INVESTIGATION

The subsurface investigation of the project site consisted of drilling, sampling, and logging eight borings. In addition, four piezometers were installed to evaluate the near surface groundwater conditions. Prior to conducting drilling operations, CJI personnel visited the site and staked boring locations. The boring and piezometers were strategically located across the site for geologic reconnaissance and correlation purposes. A CJI hydrogeologist supervised all drilling, sampling, piezometer installation and plugging procedures.

The locations of the borings and piezometers are shown on Figure 4-1. Boring completion data are given on Table 4-1. The logs of the borings may be found in Appendix A. Piezometer completion diagrams are in Appendix B. The descriptions given on the logs are in accordance with the Unified Soil Classification System (ASTM D2488) or standard geologic terms.

The borings were designated as CB-8 through CB-15. The numbering is consecutive with the numbering of borings CB-1 through CB-7,



BASE MAP SUPPLIED BY WASTE
MANAGEMENT OF NORTH AMERICA INC.

LEGEND

A → A'	CROSS SECTION LINE
CB-5 ⊕	PREVIOUS BORING LOCATIONS
CB-9 ●	CJI BORING LOCATIONS
CB-11P ●	PIEZOMETER LOCATIONS

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FIGURE 4-1
BORING AND PIEZOMETER
LOCATION MAP

Technically Complete
1954

TABLE 4-1
SUMMARY OF BORING DATA

BORING NO.	BORING TYPE	DEPTH DRILLED (ft)	DATE DRILLED	DEPTH TO UNWEATHERED SECTION (ft)	DEPTH TO WATER (ft)	REMARKS
CB-8P	sample	50	10-28-87	15.0	none	completed as piezometer
CB-9	sample	70	10-21-87	31.5	none	-
CB-10	sample	60	10-20-87	13.5	none	-
CB-11P	sample	53	10-29-87	25.0	none	completed as piezometer
CB-12	sample	47	10-21-87	35.0	28	-
CB-13P	sample	70	10-28-87	42.5	none	completed as piezometer
CB-14P	sample	73	10-27-87	25.0	none	completed as piezometer
CB-15	sample	70	10-27-87	40.0	none	-

Technically Complete
1955

which were drilled during a previous investigation (McBride-Ratcliff, 1987). Logs for borings CB-1 through CB-7 are shown in Appendix C. Drilling for this investigation was performed without fluids by means of hollow-stem or flight augers; or rotary-air coring. Three and three-quarter-inch I.D. hollow-stem or four and one-half-inch O.D. flight augers were utilized to advance the boreholes for sample collection to the unweathered claystone. Air-rotary coring was then utilized to sample the remainder of the borehole. Drilling was terminated in each boring at a minimum depth of 20 feet below the estimated depth of proposed excavation.

The total depth of the borings ranged from 47 feet to 73 feet below ground level. The borings were sampled continuously where hollow-stem or air-rotary drilling techniques were utilized, and intermittently where flight augers were utilized.

Undisturbed soil samples were obtained from the borings by the use of a thin-walled, seamless, Shelby-tube sample (ASTM D1586); thin-walled, split-barrel sampler (ASTM D1586); or core-barrel sampler. Samples were field extruded, visually classified by a CJI hydrogeologist, wrapped, labeled, and placed in containers for shipment to the laboratory for additional testing or viewing.

To assess groundwater conditions at the site, four piezometers were installed. These piezometers will be utilized to monitor water-level fluctuations over time. Piezometers were designated as CB-8P, CB-11P, CB-13P, and CB-14P. Piezometers CB-8P and CB-11P were completed in the original sampled borehole. The two remaining piezometers (CB-13P and CB-14P) were completed in pilot boreholes approximately five feet from the originally sampled borehole because the desired screened interval of each piezometer was less than the total depth of the original boring.

Each piezometer was constructed with two-inch O.D., threaded, pre-cleaned and packaged Schedule 40 plus, Triloc PVC pipe (Appendix B). The screened portion of each piezometer consisted of 0.010-inch slotted, pre-cleaned and packaged, Schedule 40 plus Triloc PVC pipe. The PVC riser pipe at each piezometer was constructed such that a minimum height of three feet above the existing ground level was attained.

The piezometer casing string was assembled and inspected by the supervising hydrogeologist, and lowered into the borehole. Once the PVC casing was in place, a sand pack was placed in the annular space between the borehole and the piezometer casing. A properly graded silica sand (16-30 Colorado Silica) was utilized to fill this space to a level approximately 15 feet below ground surface. Bentonite pellets were placed over the sand pack in the annular space between the piezometer casing and the borehole to form a seal with a minimum thickness of three feet.

The remaining annular space above the bentonite pellets was filled with Volclay grout. The grout mixture was pumped into the borehole through a tremie placed to a depth approximately one foot above the top of the bentonite seal. The grout was allowed to cure for a 24-hour period before a concrete pad was constructed around each piezometer. All boreholes not utilized for piezometers were pressure grouted to the surface by pumping Volclay grout through a tremie placed near the bottom of the borehole.

Following completion of each boring and piezometer, horizontal and vertical control were established. The elevation of the ground level and top of piezometer casing were surveyed to the accuracy of one-hundredth of a foot.

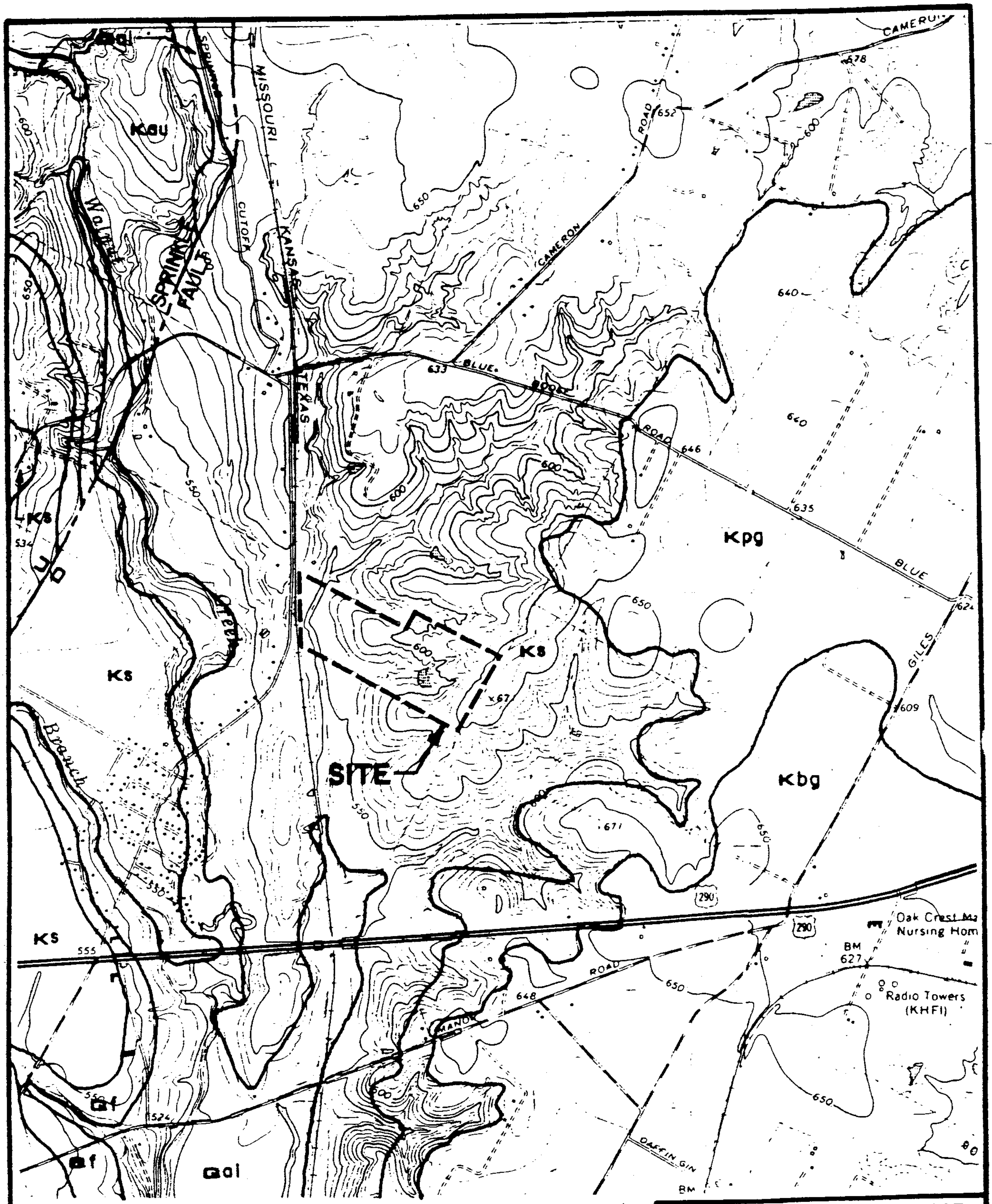
4.2 STRATIGRAPHY

The site lies within the general outcrop area of the Taylor Group (Fig. 4-2). Soils in the project site are principally residual in nature, being derived from clays of the underlying Taylor Group. Topsoil in the area represents the uppermost two or three feet of the subsurface materials. The dominant soil series covering the site is the Ferris-Heiden complex (U.S. Dept. of Agriculture, 1974). These soils are gradational with the underlying stratum.

The Taylor Group is about 700 feet thick in the Austin area (Garner and Young, 1976). Approximately the lower one-half of the group (about 350 feet) is present at the site. This consists of the Sprinkle and Pecan Gap Formations in ascending order. The dominant stratum encountered in the subsurface during the drilling program was the Sprinkle Formation.

The Sprinkle Formation at the site consists of a weathered section, underlain by an unweathered stratum, each composed of highly plastic clays and claystones respectively (Fig. 4-3). The upper weathered section consists of brown or yellowish brown clay becoming yellowish brown with depth. This section is characterized by slickensides, a high density of fractures and desiccation cracks, some of which are stained with iron or manganese, or contained gypsum in the form of selenite crystals.

An exception to this stratigraphic sequence was encountered in boring CB-15. This was the highest boring location on the site. A brown clay interbedded with chalk was encountered in the upper ten feet of boring CB-15. The soil encountered in the remainder of this boring was consistent with the stratigraphy across the site.



Modified from University of Texas, Bureau of Economic Geology, unpublished maps of Austin East and Manor quadrangles

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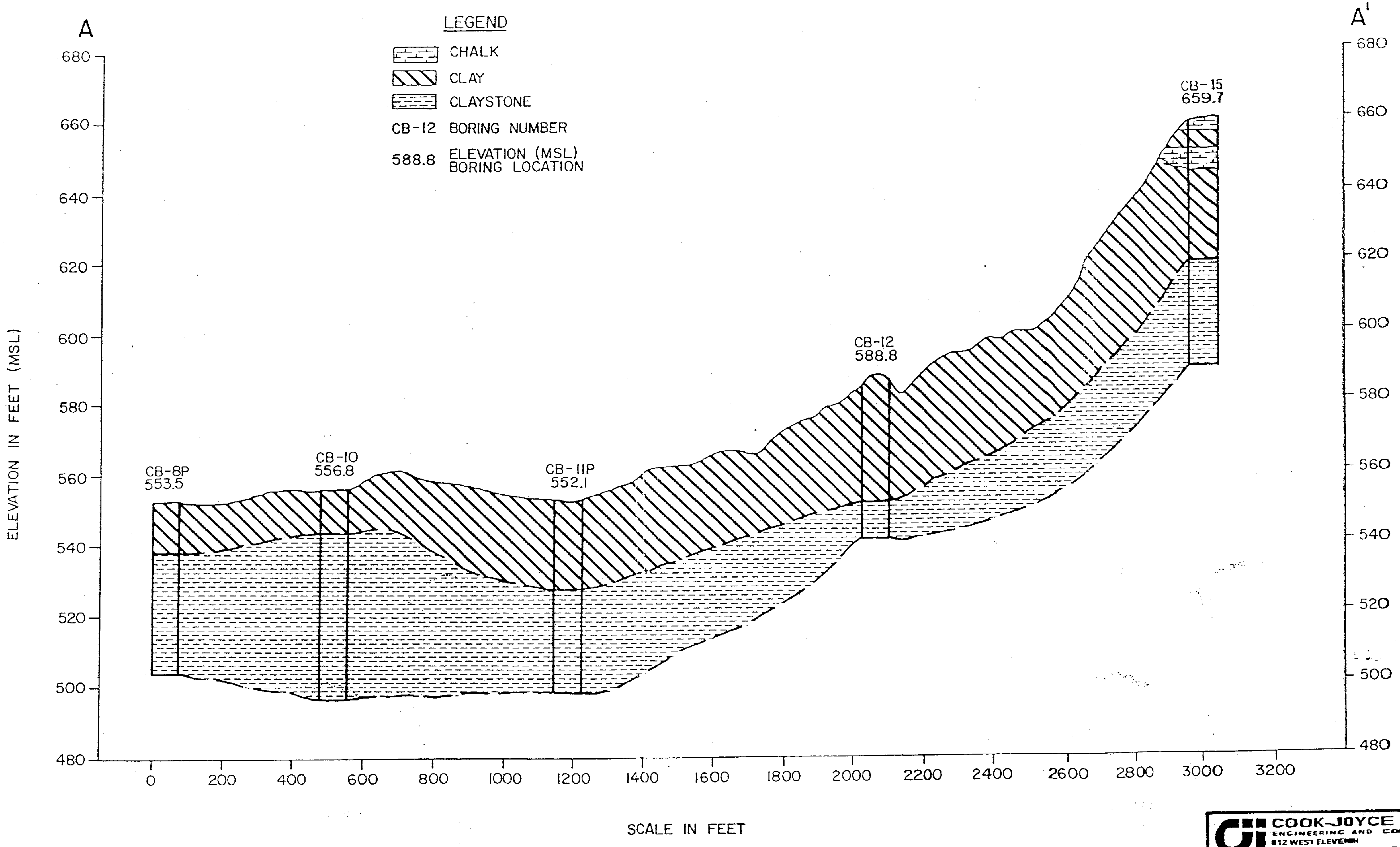
FIGURE 4-2
GEOLOGIC MAP



NOTE: BORING WIDTH IS EXAGGERATED

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FIGURE 4-3

GEOLOGIC
CROSS-SECTION A-A'

Technically Complete
1961

The weathered section is underlain by an unweathered section of homogeneous dark gray claystone. This section contains occasional fossil fragments, and localized chert and pyrite nodules. The fractures noted in the upper weathered section were not apparent in the unweathered section. A few fractures may extend into the unweathered claystone, but fracture density probably decreases with depth. The claystone was encountered in all borings drilled at the site at a depth ranging from 42 feet at the eastern portion, to 13.5 feet at the western portion of the site.

4.3 STRUCTURE

Detailed geological studies of the geology of central Texas have resulted in the publication of numerous maps denoting areas of faulting and lineation (Muehlberger and Kurie, 1956) (Dunaway, 1962) (Rodda, 1970) (Garner and Young, 1976) (Brune and Duffin, 1983). The Balcones fault system is the dominant structural feature of central Texas and the Austin area. No faults are known to exist at the site. The fault known to exist nearest the site is the Sprinkle Fault, located approximately two-thirds of a mile west of the site (Fig. 4-2). No major withdrawal of crude oil, natural gas, sulfur, etc. or significant amounts of groundwater are known to occur in the area. No major active faults are known to exist in the central Texas area.

To determine the absence or presence of faults, black-and-white color and stereopair aerial photographs of the site were examined for linear anomalies. Aerial photography reviewed included the following photographs:

SOURCE	DATE	SCALE	TYPE	FRAMES
Tobin	1937	1:12,000	BW	67
ASCS	1951	1"=1,320'	BW	4H-184
ASCS	1964	1:20,000	BW	3FF-16
SDHPT	11/70	1"=1,320'	BW	1-5-163
ASCS	01/73	1:40,000	BW	173-147
SDHPT	11/80	1"=2,000'	BW	1-8-127
NASA	03/81	1:30,000	Color IR	46
SDHPT	04/86	1"=2,000'	BW	1-3-58

Tobin - Tobin Research, Inc.
ASCS - Agricultural Stabilization and Conservation Services
SDHPT - State Department of Highways and Public Safety
NASA - National Aeronautics and Space Administration

In addition to these efforts, a review was made of published fault studies of the area. Based on the available information, no faults or linear anomalies were noted to be present at the site.

4.4 DRAINAGE

A natural divide at the site causes surface water to drain into two different tributaries, each of which drains in a southwest direction into a larger unnamed tributary of Walnut Creek. Walnut Creek drains into the Colorado River several miles to the south.

4.5 SITE HYDROGEOLOGY

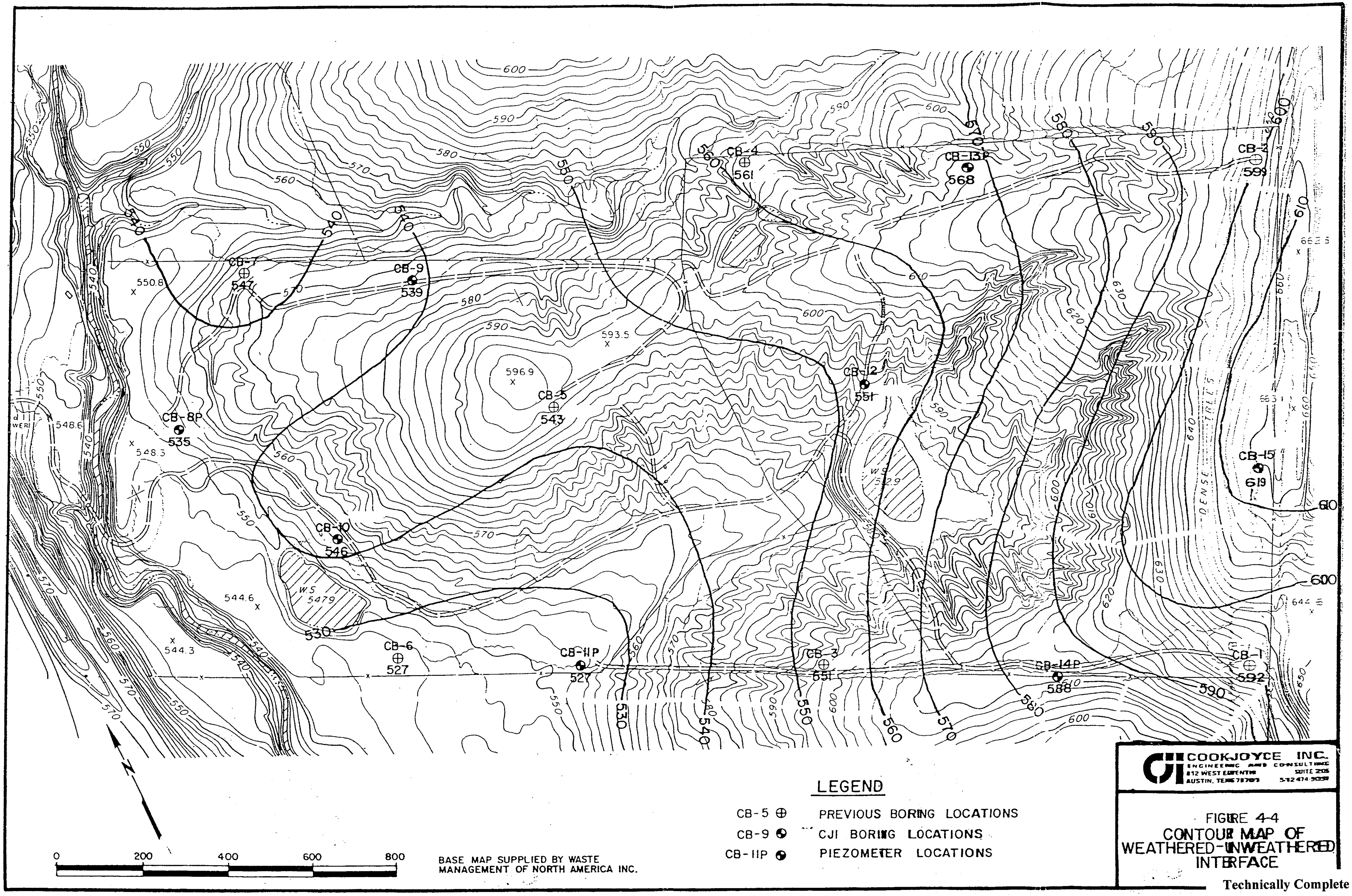
The Taylor Group contains montmorillonitic clays which are characterized by their high shrink and swell capacity (Buol *et al*., 1973) (Garner and Young, 1976). During dry periods, desiccation cracks or shrinkage cracks may open to form a conduit for water to enter the geologic unit. Recharge may also occur through root holes and burrows which connect the underlying fractures. The presence of fractures, oxidized iron stains and secondary mineralization suggests that water migrates downward to the unweathered claystone. The claystone acts as an aquitard, impeding the downward flow of the groundwater, thus creating a perched water table. Groundwater then flows under the influence of gravity along the weathered-unweathered contact, which basically reflects the surface topography (Fig. 4-4). The depth to, or existence of the shallow perched water-table will be highly variable due to the seasonal fluctuation in rainfall.

Water levels were measured 24 hours after drilling each borehole, and periodically thereafter until termination of the boring program and grouting of the boreholes. No water was encountered during the drilling process in any of the borings with the exception of boring CB-12.

This boring was completed to a total depth of 47 feet. Groundwater was encountered during drilling, and after 24 hours the depth to water was 28 feet below ground level. This data is recorded on the boring logs shown in Appendix A. The borehole was blocked at 34 feet below ground level. The depth to water remained relatively constant over a three-day period. This boring is located approximately 50 feet from a stock tank on the site. The presence of groundwater in boring CB-12 appears to be the result of leakage from the stock tank through fractures in the weathered section.

Piezometers were subsequently installed at four boring locations at the site in October, 1987. Completion data of the piezometers is shown in Appendix B. Piezometers CB-13P and CB-14P were screened across the weathered-unweathered interface. The two remaining piezometers, CB-8P and CB-11P, were completed to total depth of the boring.

Water levels of piezometers CB-8P, CB-11P, CB-13P, CB-14P have been measured four times. The 8/16/88 and 05/14/90 measurements were taken following significant rainfall events in the area of the site. The results of these events are as follows:



BASE MAP SUPPLIED BY WASTE
MANAGEMENT OF NORTH AMERICA INC.

LEGEND

CB-5 ⊕	PREVIOUS BORING LOCATIONS
CB-9 ●	CJI BORING LOCATIONS
CB-11P ●	PIEZOMETER LOCATIONS

CJI COOKJOYCE INC.
ENGINEERING AND CONSULTING
812 WEST ELEVENTH SUITE 205
AUSTIN, TEXAS 78701 512 474-9097

FIGURE 4-4
CONTOUR MAP OF
WEATHERED-UNWEATHERED
INTERFACE

Technically Complete
1966

Piezometer No.	11/87	12/87	8/88	05/90
CB-8P	dry	dry	dry	dry
CB-11P	dry	dry	dry	48.2 ft from top of casing
CB-13P	dry	dry	dry	dry
CB-14P	dry	dry	dry	dry

The water encountered in piezometer CB-11P on 05/14/90 is not believed to be naturally occurring groundwater. The piezometers (CB-11P) surface seal had lost its integrity due to the shrink/swell nature of the surface clays and surface erosion. The water found is believed to have resulted from surface infiltration during recent rains. CJI has restored the surface seal and will continue to monitor these piezometers.

Data from the boring program, piezometers, and the laboratory testing indicates that shallow, perched water-table conditions will be present in the weathered section at the site from time to time. No groundwater or indication of the presence of groundwater was encountered in the unweathered section. The depth to groundwater or presence of groundwater in the weathered section is variable depending upon seasonal rainfall events. When this perched condition occurs, the direction of flow will be westward with the fall of the weathered-unweathered interface.

Please refer to Figure 4-4.

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5.0 LABORATORY INVESTIGATION

The laboratory soil testing program was directed toward the classification and determination of the permeability of the different soil sections at various depths. Tests performed on soil samples included moisture content, Atterberg Limits, and minus 200 Sieve analysis. Four samples were selected for undisturbed permeability determinations. One sample was chosen for a moisture density relationship test (Standard Proctor), and three samples for remolded permeability tests. All tests were performed in accordance with Municipal Solid Waste Management Regulations (MSWMR) 325.74 (b)(5)(I)(iii). The laboratory test results are summarized in Table 5-1.

The ranges in measured values for each soil section are tabulated below:

SOIL TYPE	MOISTURE CONTENT(%) (ASTM D2216)	LIQUID LIMIT(%) (ASTM D4318)	PLASTICITY INDEX(%) (ASTM D4318)	PERCENT PASSING MINUS 200 SIEVE (ASTM D1140)
Weathered Clay	17-26	61-80	40-56	86-98
Unweathered Claystone	15-22	57-73	36-49	96-99

Both the clay and claystone sections exhibit Liquid Limits (LL) exceeding 50 and Plasticity Indices (PI) exceeding 25. TDH regulations do not require additional testing for these soils, and state that they maybe considered suitable for use as natural liners provided they do not exhibit fissures, cracks, joints, bedding planes, or any secondary natural features which increase the apparent coefficient of permeability. Verification undisturbed permeability tests were performed on various samples in both sections. The results of these tests are as follows:

TABLE 5-1

SUMMARY OF LABORATORY SOIL CLASSIFICATION TEST RESULTS

BORING NO.	DEPTH (ft)	MOISTURE CONTENT(%)	LIQUID LIMIT	PLASTIC LIMIT	PLASTICITY INDEX	UNIFIED SOIL CLASSIFICATION	PASSING #200 SIEVE (%)
CB-8P	5-7	17	61	21	40	CH	86
	10-12	21	73	23	50	CH	97
	30-35	18	65	21	44	CH	97
CB-9	15-17	24	73	24	24	CH	97
	25-27	22	72	22	50	CH	96
	40-45	15	57	19	38	CH	97
CB-10	3.5-8.5	21	72	23	49	CH	96
	8.5-13.5	20	66	22	44	CH	94
	20-25	15	65	21	44	CH	98
CB-11P	10-12	25	73	22	51	CH	89
	20-22	26	72	23	49	CH	96
	35-40	21	73	24	49	CH	99
CB-12	10-12	21	69	23	46	CH	96
	25-27	24	75	23	52	CH	98
	40-41	22	71	23	48	CH	98
CB-13P	5-7	24	80	24	56	CH	98
	25-27	22	71	22	49	CH	95
	47-50	19	69	23	46	CH	98
CB-14P	15-17	22	68	22	46	CH	88
	20-22	25	76	23	53	CH	97
	65-70	18	65	22	43	CH	96
CB-15	25-27	20	66	24	42	CH	9
	40-42	21	64	23	41	CH	9
	50-55	16	57	21	36	CH	9

Technically Complete
1970

BORING NO	DEPTH (ft BGL)	DEPTH (ft msl)	SOIL TYPE	LL (%)	PI (%)	PERMEABILITY (cm/sec)
CB-1*	3-5W	630.9-628.9	CH	56	36	3.08×10^{-9}H
CB-4*	13-15W	576.3-574.3	CH	62	41	1.32×10^{-9}V
CB-8P	5-7W	548.5-546.5	CH	61	40	4.6×10^{-7}V
CB-9	40-45UW	531.8-526.8	CH	57	38	5.4×10^{-9}V
CB-14P	15-17W	596.4-594.4	CH	68	46	9.9×10^{-7}V
CB-15	50-55UW	609.7-604.7	CH	57	36	3.7×10^{-9}V

Orientation

H - Horizontal
V - Vertical
* - McBride-Ratcliff, 1987.

W - Weathered section
UW - Unweathered section
BGL - Below Ground Level

The permeability of some samples taken from the weathered section exhibited lower permeabilities than TDH standards for liner material while other weathered samples did not. Although the soil samples from this stratum exhibited Atterberg results exceeding TDH requirements for in-situ liner material, CJI concludes that in many cases the overall in-situ permeability of this stratum may be greater than the TDH maximum allowable of 1×10^{-7} cm/sec.

This permeability is the result of its weathered nature which is characterized by secondary soil structures. These structures appear to be common in the weathered clay. All samples taken from the unweathered section and tested for permeability exhibited a lower permeability than the maximum allowable.

In order to verify the suitability of the weathered material for use in construction of a compacted liner, a composite sample was collected in the field from CB-11P. A moisture density relation test (Standard Proctor ASTM D698) was conducted on this sample. The maximum dry density achieved was 96.7 pcf at an optimum moisture of 21 percent. Three remolded permeability tests were performed from the composite sample. One sample was compacted to 90 percent of maximum density, a second at 95 percent, and a third sample at 99 percent. Each sample was compacted at or slightly above optimum moisture. Results from these tests and from tests conducted by McBride-Ratcliff are summarized on Table 5-2.

Each of the remolded samples consistently exhibited permeabilities less than the maximum allowable by the TDH for in-situ liner material. This suggests that the secondary soil features are responsible for the greater permeability measured from the undisturbed permeability tests.

Grain size analyses by means of sieve and hydrometer analyses were conducted on selected retained samples. (Note: Some of the retained samples had dried and hardened to the point that they were no longer usable for this purpose.) Results of these analyses are presented in Appendix D to this soils report.

TABLE 5-2

SUMMARY OF REMOLDED PERMEABILITY TEST RESULTS

SAMPLE	A	B	C	D*	E*
Dry Density (PCF)	87	92	96	98	92
Compaction (%) Standard Proctor	90	95	99	101	101
Optimum Moisture Content (%)	21	21	21	27	27
Permeability (cm/sec)	$7.7\text{x}10^{-8}$	$3.5\text{x}10^{-8}$	$1.8\text{x}10^{-8}$	$2.9\text{x}10^{-10}$	$7.9\text{x}10^{-10}$

* McBride-Ratcliffe, 1987

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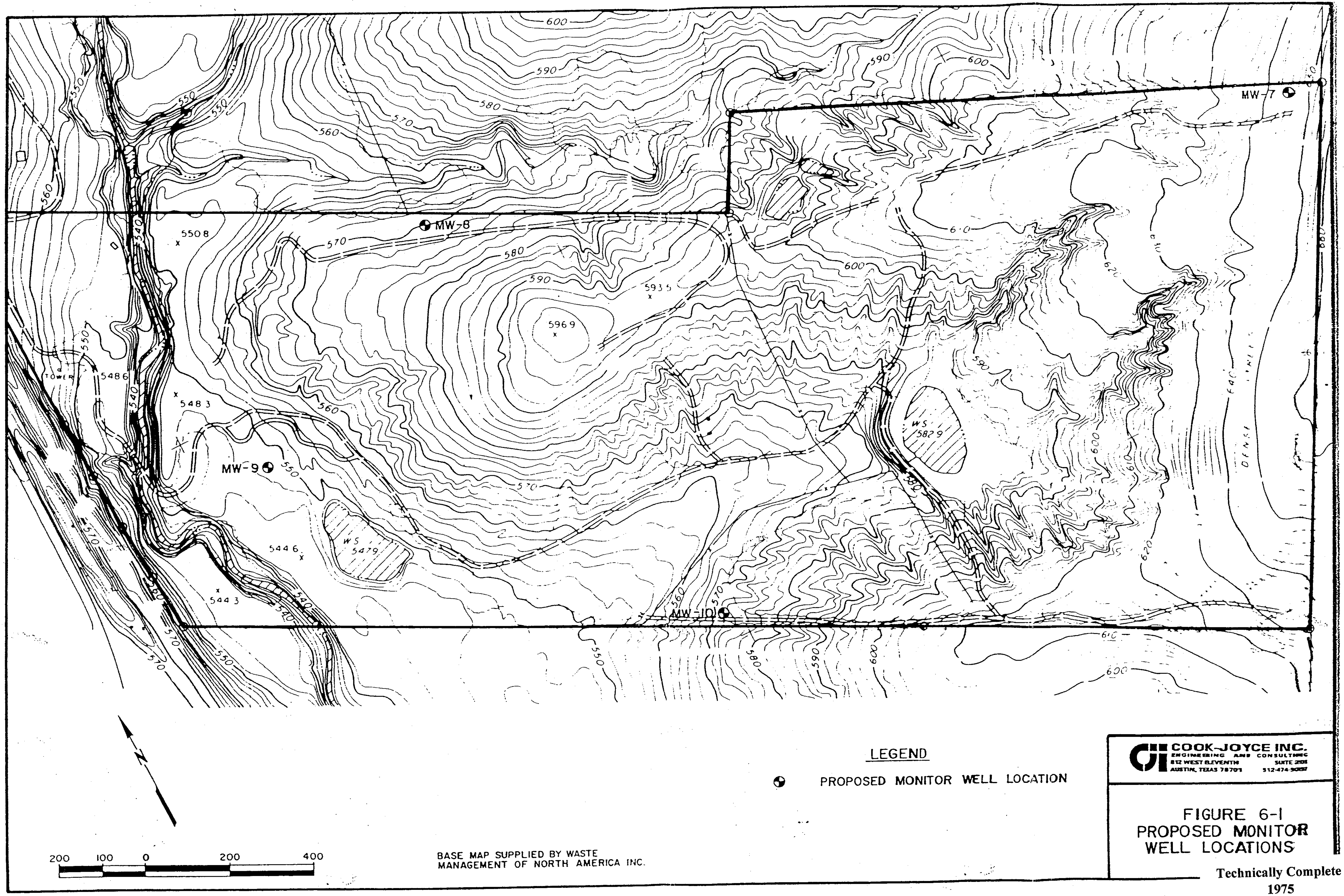
6.0 GROUNDWATER PROTECTION

Laboratory testing and visual examination of samples obtained from the unweathered gray claystone stratum suggests that this material will adequately serve as a bottom liner for the proposed landfill. The upper layer of weathered clay will generally require excavation and recompaction to destroy secondary soil structures to achieve a permeability less than the maximum allowable by the TDH. Prior to disposal, all disposal area surfaces should be examined by a professional engineer or geologist with expertise in evaluation of soil liners to determine the absence or presence of structures. If secondary structures are present, the surface should be lined in accordance with a Soil and Liner Quality Control Plan approved by the TDH.

In accordance with TDH regulations requiring the monitoring of the effectiveness of natural and recompacted liners, CJI recommends the installation, sampling and analysis of four groundwater monitoring wells in the expansion area. The proposed locations of the monitoring wells are shown on Figure 6-1.

The topographic and weathered-unweathered interface maps of the site suggest that the direction of groundwater flow across the site would be west-southwest toward the unnamed tributary of Walnut Creek. As a result, one upgradient well is recommended to

Technically Complete
1974



LEGEND

● PROPOSED MONITOR WELL LOCATION

BASE MAP SUPPLIED BY WASTE
MANAGEMENT OF NORTH AMERICA INC.

COOK-JOYCE INC.
ENGINEERING AND CONSULTING
812 WEST ELEVENTH SUITE 205
AUSTIN, TEXAS 78701 512-474-9097

FIGURE 6-1
PROPOSED MONITOR
WELL LOCATIONS

Technically Complete
1975

be installed on the northeast corner of the site, and a total of three monitoring wells are recommended to be installed downgradient of the site.

Each monitoring well should be screened across the weathered-unweathered interface, which is the probable migration path for groundwater at the site. Each well should be screened from approximately five feet below the weathered-unweathered interface to approximately ten feet below the ground surface.

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7.0 CONCLUSIONS

1. The project site lies within the outcrop of the Taylor Group, an upper Cretaceous geologic unit. The Taylor Group, in full section, is approximately 700-feet thick in Travis County and is composed predominantly of marine clays. The site occurs near the midpoint of the Taylor, which extends some 350 feet below the surface at that point.

2. The project site is located approximately two-thirds of a mile east of the Sprinkle Fault, which is a part of the Balcones fault zone. The Balcones fault zone has not been active in the Austin area since the Miocene Epoch. Previous investigations and a review of aerial photography have not revealed any faults or linear anomalies at the site.

3. Eight borings from this investigation and seven from a previous site investigation indicate the presence of two distinct stratigraphic sections at the site. The upper section consists of approximately 13 to 42 feet of brown to yellowish brown, weathered clay. This is underlain by a dark gray, hard, unweathered claystone.

4. Data obtained from this investigation suggests the presence of an intermittent perched water-table condition at the site on top of the unweathered claystone. Recharge occurs through fractures in the weathered clay following rainfall events. However, this condition has not been observed in the piezometers since installation in October 1987 through May 1990.

Technically Complete
1977

5. Laboratory soil testing results indicate soils from the unweathered stratigraphic section exceed the minimum specifications for landfill liner material established by the TDH in its undisturbed state.

6. Laboratory soil testing results indicate soils from the weathered stratigraphic section exceed the minimum specifications for landfill liner material established by the TDH in their undisturbed state when secondary structures are absent. When secondary soil structures are present it may be necessary to recompact the weathered materials to a minimum of 90 percent maximum dry density (ASTM D698) at, or slightly above, optimum moisture content in order to achieve a permeability value less than the maximum allowable by the TDH.

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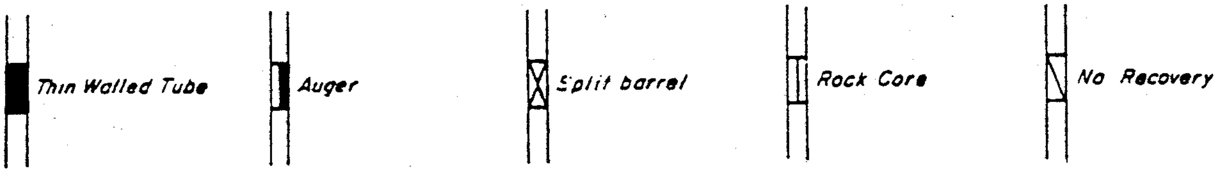
APPENDIX A

BORING LOG

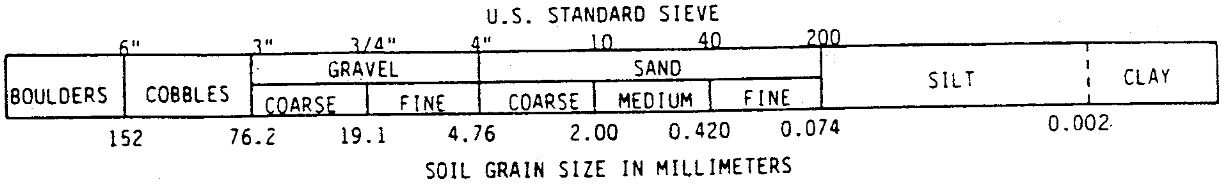
Technically Complete
1981

TERMS AND SYMBOLS USED ON BORING LOGS

Sampler Types



Soil Grain Size



Relative Density of Sand

Penetration Resistance N (blows/ft)	Relative Density
0–4	Very loose
4–10	Loose
10–30	Medium
30–50	Dense
>50	Very dense

Strength of Clay

Penetration Resistance N (blows/ft)	Unconfined Compressive Strength (tons/ft²)	Consistency
<2	<0.25	Very soft
2–4	0.25–0.50	Soft
4–8	0.50–1.00	Medium
8–15	1.00–2.00	Stiff
15–30	2.00–4.00	Very stiff
>30	>4.00	Hard

Split-Barrel Sampler Driving Record

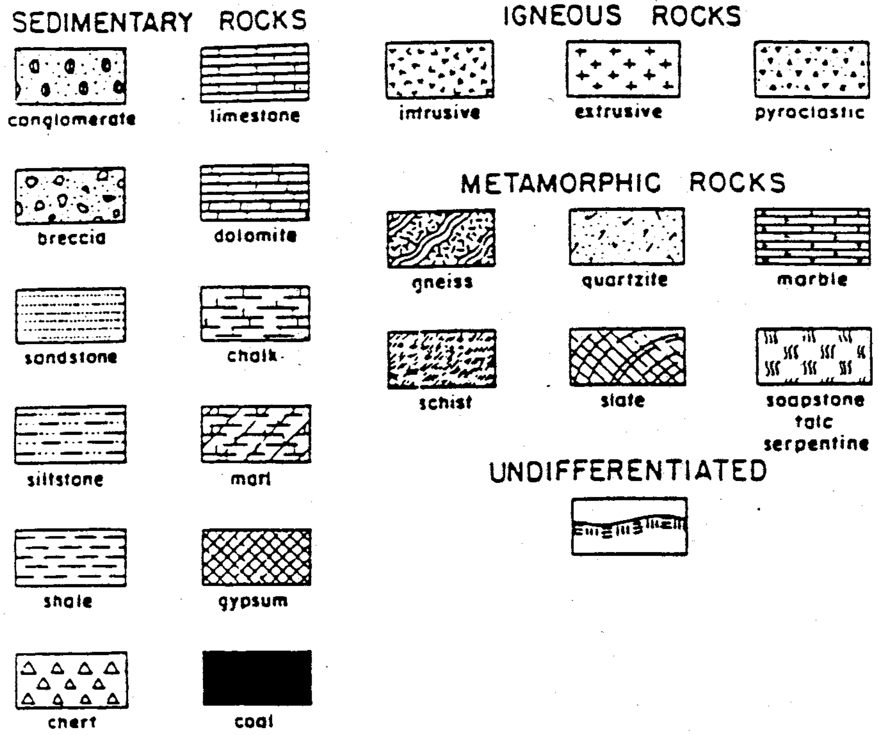
Blows Per Foot (N)	Description
15	15 blows drove sampler 12 in., after initial 6 in. of seating.
50/9"	50 blows drove sampler 9 in., after initial 6 in. of seating.
Ref/3"	50 blows drove sampler 3 in. during initial 6 in. seating interval.

Information presented on each boring log is a compilation of subsurface conditions and material classifications obtained from the field as well as from laboratory testing of samples. Strata have been interpreted by commonly accepted procedures. The stratum lines on the logs may be transitional and approximate in nature. Water level measurements refer only to those observed at the times and places indicated and may vary with time.

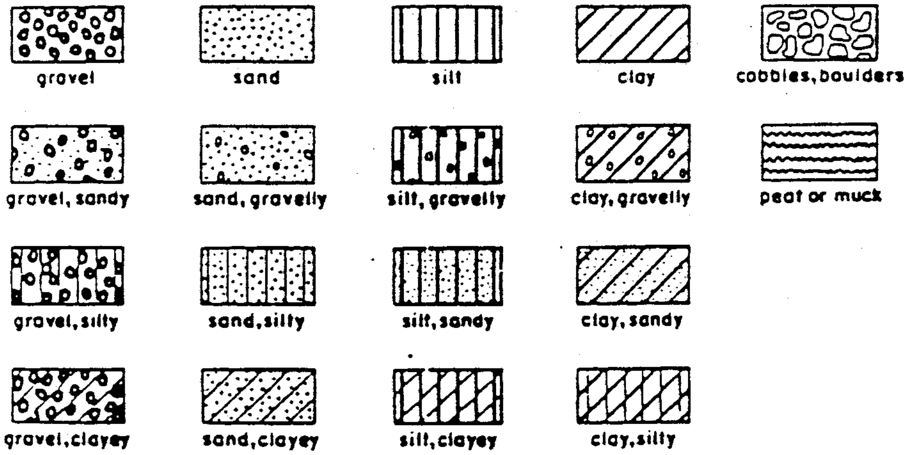
Technically Complete
1982

STANDARD GEOLOGIC SYMBOLS

CONSOLIDATED MATERIALS



UNCONSOLIDATED MATERIALS



UNIFIED SOIL CLASSIFICATION SYSTEM

GW	GP	GM	GC	SW	SP	SM	SC	ML	CL	OL	MH	CH	OH	Pt
CLEAN GRAVELS <5% FINES		GRAVELS WITH >12% FINES		CLEAN SANDS 5% FINES		SANDS WITH >12% FINES		SILTS AND CLAYS LIQUID LIMIT<50			SILTS AND CLAYS LIQUID LIMIT>50			HIGHLY ORGANIC SOILS
GRAVELS>50% COARSE FRACTION IS LARGER THAN NO.4 SIEVE				SANDS>50% COARSE FRACTION IS SMALLER THAN NO.4 SIEVE										
COARSE GRAINED SOILS (MORE THAN 50% IS LARGER THAN NO.200 SIEVE)								FINE GRAINED SOILS (MORE THAN 50% IS SMALLER THAN NO.200 SIEVE)						

Technically Complete
1983

133

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290.
about 4.0 miles east of State
Highway 183. Travis County

DATUM MSL **ELEVATION** 553.5

DRILLING METHOD:
4.5 in. Flight Auger (FA)

SAMPLING METHOD: Intermittent
3 in. Shelby Tube (ST)

WATER LEVEL	Dry	Dry		
TIME	20:00	14:25		
DATE	10/29/87	10/30/87		
CASING DEPTH				

BORING NO. CB-8P
SHEET 1 OF 2

DRILLING	
START	FINISH
TIME	TIME
14:00	20:45
DATE	DATE
10/28/87	10/28/87

DRILL RIG CME 75
ANGLE Vertical **BEARING**
SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level. grass cover. dry.
Temp. - lower 80 degrees F.

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
0			Brown (10YR 5/3) clay. damp. v. plastic. hard. fractured. Fe stains. Selenite crystals. slickensides. (CH)	4.5in FA	NONE						
5	4.5+ t/sqft (71%)			3 in. ST			17	61	21		86
10	4.5+ t/sqft (42%)						21	73	23		97
15 538.5	4.5+ t/sqft (37%)		Dark gray (10YR 4/1) claystone. damp. hard. unweathered. fractured. occasional fossils	4.5in FA							
20			Reamed borehole to 20' Began coring at 20'								
25											
30											
35											
40											

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston

Technically Complete
1984

134

ROCK BOREHOLE

ITE NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL
ELEVATION 553.5

DRILLING METHOD: Air Rotary

SAMPLING METHOD: Continuous Coring

BORING NO. CB-8P

SHEET 2 OF 2

WATER LEVEL	Dry	Dry		
TIME	20:00	14:25		
DATE	10/29/87	10/30/87		
CASING DEPTH				

DRILLING	
START	FINISH
TIME 14:00	TIME 20:45
DATE 10/28/87	DATE 10/28/87

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry.
Temp. - lower 80 degrees F.

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	CORES				SOIL DESCRIPTION OR ROCK LITHOLOGY	SYMBOL	ROCK STRUCTURE	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS		
		RUN NO.	NO. AND SIZE OF CORE PIECES	% RECOVERY	RQD							DEPTH IN FEET FROM	DEPTH IN FEET TO	PERMEABILITY CM./SEC.
20		1	1 at 50in.	83	83	Dark gray (10YR 4/1) claystone, damp, hard		unweathered, unfractured	NX Size Series D4 Core Barrel	NONE				
25		2	1 at 58in.	97	97									
30		3	1 at 60in.	100	100									
35		4	1 at 60in.	100	100									
40		5	1 at 60in.	100	100									
45		6	1 at 60in.	100	100									
50														
55														
60														

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 12/24/87

Technically Complete
1985

135

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290
about 4.0 miles east of State
Highway 183, Travis County

DRILLING METHOD: Air Rotary

SAMPLING METHOD: Continuous Coring

BORING NO. CB-9

SHEET 1 OF 2

WATER LEVEL	Dry	Dry	Dry	
TIME	13:50	16:15	12:30	
DATE	10/22/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME 12:00	TIME 11:30
DATE 10/20/87	DATE 10/21/87

DATUM MSL ELEVATION 571.8

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry.
Temp. - low 80 degrees F

DRILLING CONTR. Southwestern Labs

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
0			Yellowish brown (10 YR 5/6) clay, damp, hard, v. plastic, Fe stains, shell fragments, fractured, mottled w/grey (10YR 6/1) clay, slickensides (CH)	4.5in FA							
5	4.5+ t/sqft (92%)			3 in. ST							
10	4.5+ t/sqft (92%)		Selenite crystals								
15	4.5+ t/sqft (87%)						24	73	24		97
20	4.5+ t/sqft (87%)				NONE						
25	4.5+ t/sqft (87%)						22	72	22		96
30	4.5+ t/sqft (87%)		Mottled w/grey (10YR6/1) clay. (CH)								
540.3			Darkgrey (10YR4/1) claystone, damp, hard, unweathered								
35											
40			Reamed borehole from 32' to 40' Began coring at 40'								

LOGGED BY Jim Kingston

Technically Complete
1986

ROCK BOREHOLE

NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL **ELEVATION** 571.8

DRILLING METHOD: Air Rotary

SAMPLING METHOD: Continuous Coring

BORING NO. CB-9

SHEET 2 OF 2

WATER LEVEL	Dry	Dry	Dry	
TIME	13:50	16:15	12:30	
DATE	10/22/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
12:00	11:30
DATE	DATE
10/20/87	10/21/87

DRILL RIG CME 75

ANGLE Vertical **BEARING**

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry.
Temp. - low 80 degrees F

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	CORES RUN NO.	NO. AND SIZE OF CORE PIECES	% RECOVERY	RQD	SOIL DESCRIPTION OR ROCK LITHOLOGY	SYMBOL	ROCK STRUCTURE	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS DEPTH IN FEET FROM	TO	PERMEABILITY CM./SEC.
40		1	1 at 60 in.	100	100	Dark gray (10YR 4/1) claystone, damp, hard, shell fragments		unweathered unfractured	NX Size Series D4 Core Barrel	NONE				
45		2	1 at 60 in.	100	100									
50		3	1 at 10 in.	17	17									
55		4	1 at 60 in.	100	100									
60		5	1 at 55 in.	92	92									
65		6	1 at 36 in.	60	60									
70														
75														
80														

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 12/24/87

Technically Complete
1987

137

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL
ELEVATION 556.8

DRILLING METHOD: Hollow-stem Auger

SAMPLING METHOD: Continuous
3 in. Split Barrel Sampler (SBS)

BORING NO. CB-10

SHEET 1 OF 3

WATER LEVEL	Dry	Dry	Dry	
TIME	12:30	16:10	12:40	
DATE	10/21/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME 7:00	TIME 12:00
DATE 10/19/87	DATE 10/20/87

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry.
Temp. - lower 80 degrees F.

							TEST RESULTS				
DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
0	4.5+ t/sqft (100%)	▨	Light brown topsoil grading to yellowish brown (10 YR 5/4) clay, dry, hard, v. plastic, fractured, shell fragments, pebbles, slickensides (CH)	3 in.	NONE						
5	4.5+ t/sqft (100%)	▨	Occasional Selenite crystals mottled with gray (10YR 6/1) clay				21	72	23		96
10	4.5+ t/sqft (100%)	▨					20	66	22		94
543.3 15	4.5+ t/sqft (100%)	▤	Dark grey (10YR 4/1) claystone, damp, hard unweathered								
20			Reamed CB-10A to 15', began coring at 15'								
25											
30											
35											
40											

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston

DATE 12/24/87

Technically Complete
1988

138

ROCK BOREHOLE

SITE NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL
ELEVATION 556.8

DRILLING METHOD: Air Rotary

SAMPLING METHOD: Continuous Coring

BORING NO. CB-10A

SHEET 2 OF 3

WATER LEVEL	Dry	Dry	Dry	
TIME	12:30	16:10	12:40	
DATE	10/21/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	START	FINISH
TIME	7:00	12:00
DATE	10/19/87	10/20/87

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry.
Temp. - lower 80 degrees F.

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	CORES: RUN NO.	CORES: NO. AND SIZE OF CORE PIECES	CORES: % RECOVERY	CORES: RQD	SOIL DESCRIPTION OR ROCK LITHOLOGY	SYMBOL	ROCK STRUCTURE	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS: DEPTH IN FEET: FROM	TEST RESULTS: DEPTH IN FEET: TO	TEST RESULTS: PERMEABILITY CM./SEC.
15		1	1 at 60 in.	100	100	Dark grey (10 YR 4/1) claystone, damp, hard, shell fragments		unweathered unfractured	NX Size Series D4 Core Barrel	NONE				
20		2	1 at 60 in.	100	100									
25		3	1 at 56 in.	93	93									
30		4	1 at 53 in.	88	88									
35		5	1 at 60 in.	100	100									
40		6	1 at 60 in.	100	100									
45		7	1 at 60 in.	100	100	Occasional seams filled w/pyrite								
50		8	1 at 60 in.	100	100	Dark grey (10YR 4/1) claystone, damp, hard		unweathered unfractured						
55														

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston
CHK'D BY
DATE 12/24/87

Technically Complete
1989

131

ROCK BOREHOLE

NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL
ELEVATION 556.8

DRILLING METHOD: Air Rotary

SAMPLING METHOD: Continuous Coring

BORING NO. CB-10A

SHEET 3 OF 3

WATER LEVEL	Dry	Dry	Dry	
TIME	12:30	16:10	12:40	
DATE	10/21/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
7:00	12:00
DATE	DATE
10/19/87	10/20/87

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry.
Temp. - lower 80 degrees F.

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	CORES				SOIL DESCRIPTION OR ROCK LITHOLOGY	SYMBOL	ROCK STRUCTURE	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS		
		RUN NO.	NO. AND SIZE OF CORE PIECES	% RECOVERY	RQD							DEPTH IN FEET FROM	DEPTH IN FEET TO	PERMEABILITY CM./SEC.
55		9	1 at 60 in.	100	100					NONE				
60														
65														
70														
75														
80														
85														
90														
95														

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 12/24/87

Technically Complete
1990

140

SOIL BOREHOLE LOG

NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL ELEVATION 552.1

DRILLING METHOD:
4 1/2 Flight Auger (FA)

SAMPLING METHOD: Intermittent
3 in. Shelby Tube (ST)

WATER LEVEL	Dry			
TIME	14:30			
DATE	10/30/87			
CASING DEPTH				

BORING NO. CB-11P

SHEET 1 OF 2

DRILLING	
START	FINISH
TIME	TIME
6:00	12:00
DATE	DATE
10/29/87	10/29/87

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry
Temp. lower 80's degree F.

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
0			Dark grayish brown (10 YR 4/2) clay, damp, v. plastic, v. stiff, fractured, slickensides (CH)	4.5in FA	NONE						
5	2.5 t/sq ft (54%)			3 in. ST							
10	4.0 t/sq ft (46%)		Brownish yellow (10 YR 6/6) clay, damp, very stiff, v. plastic, Fe stains, Selenite crystals, fractured, slickensides (CH)				25	73	22		89
15	4.5+ t/sq ft (67%)		Dark gray (10 YR 4/1) claystone, damp, hard								
20	4.5+ t/sq ft (33%)		Brownish yellow (10 YR 6/6) clay, damp, very stiff, v. plastic, fractured, (CH)				26	72	23		96
25 527.1	4.5+ t/sq ft (46%)		Dark gray (10 YR 4/1) claystone, damp, hard, occasional fossils	4.5in FA							
30			Reamed borehole from 27' to 30' Began coring at 30'								
35											
40											

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 10/24/87

Technically Complete
1991

ROCK BOREHOLE

SITE NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL
ELEVATION 552.1

DRILLING METHOD: Air Rotary

SAMPLING METHOD: Continuous Coring

BORING NO. CB-11P

SHEET 2 OF 2

WATER LEVEL	Dry			
TIME	14:30			
DATE	10/30/87			
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
6:00	12:00
DATE	DATE
10/29/87	10/29/87

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry
Temp. lower 80's degree F.

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	CORES				SOIL DESCRIPTION OR ROCK LITHOLOGY	SYMBOL	ROCK STRUCTURE	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS		
		RUN NO.	NO. AND SIZE OF CORE PIECES	% RECOVERY	RQD							DEPTH IN FEET FROM	TO	PERMEABILITY CM./SEC.
30		1	1 at 57 in.	95	95	Dark grey (10 YR 4/1) claystone, damp		unweathered unfractured	NX Size Series D4 Core Barrel	NONE				
35		2	1 at 51 in.	85	85									
40		3	1 at 60 in.	100	100									
45		4	1 at 60 in.	100	100									
50		5	1 at 36 in.	100	100									
55														
60														
65														
70														

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 10/24/87

Technically Complete
1992

142

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL **ELEVATION** 586.8

DRILLING METHOD: 4.5 in. Flight Auger (FA)

SAMPLING METHOD: Intermittent
3 in. Shelby Tube (ST)

BORING NO. CB-12

SHEET 1 OF 3

WATER LEVEL	28'	28'	28'	
TIME	18:00	16:30	12:10	
DATE	10/22/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
12:00	17:00
DATE	DATE
10/21/87	10/21/87

DRILL RIG CME 75

ANGLE Vertical **BEARING**

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry
Temp. - lower 80 degrees F

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
0		▨	Brownish yellow (10YR 6/6) clay, damp, hard, v. plastic, Fe stains, Selenite crystals, fractured, slickensides (CH)	4.5 in. FA	NONE						
5	4.5+ t/sqft (67%)	▨		3 in. ST							
10	4.5+ t/sqft (38%)	▨					21	69	23		96
15	4.5+ t/sqft (53%)	▨									
20	4.5+ t/sqft (67%)	▨									
25	4.5+ t/sqft (58%)	▨					24	75	23		98
▼		▨									
30	4.5+ t/sqft (58%)	▨									
35		▨									
553.8	4.5+ t/sqft (50%)	▤	Dark gray (10YR 4/1) claystone, damp, hard, unweathered, unfractured								
40		▤									

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 12/24/87

Technically Complete
1993

143

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DRILLING METHOD: 4.5 in. Flight Auger (FA)

SAMPLING METHOD: Intermittent
3 in. Shelby Tube (ST)

BORING NO. CB-12

SHEET 2 OF 3

WATER LEVEL	28'	28'	28'	
TIME	16:00	16:30	12:10	
DATE	10/22/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME 12:00	TIME 17:00
DATE 10/21/87	DATE 10/21/87

DATUM MSL **ELEVATION** 588.8

DRILL RIG CME 75

ANGLE Vertical **BEARING**

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry
Temp. - lower 80 degrees F

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
40	(58%)		Dark grey (10YR 4/1) claystone, damp, hard, unweathered, unfractured	3inST 4.5in FA	NONE						
45			Reamed borehole from 41' to 45' Began coring at 45'								
50											
55											
60											
65											
70											
75											
80											

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston

CHK'D BY

DATE 12/24/87

Technically Complete
1994

144

ROCK BOREHOLE

NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL
ELEVATION 588.8

DRILLING METHOD:
Air Rotary

SAMPLING METHOD:
Continuous Coring

BORING NO. CB-12

SHEET 3 OF 3

WATER LEVEL	28'	28'	28'	
TIME	18:00	16:30	12:10	
DATE	10/22/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
12:00	17:00
DATE	DATE
10/21/87	10/21/87

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry
Temp. - lower 80 degrees F

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	CORES				SOIL DESCRIPTION OR ROCK LITHOLOGY	SYMBOL	ROCK STRUCTURE	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS		
		RUN NO.	NO. AND SIZE OF CORE PIECES	% RECOVERY	RQD							DEPTH IN FEET FROM	TO	PERMEABILITY CM./SEC.
45		1	1	54	54	Dark gray (10YR 4/1) claystone, damp, hard		unweathered unfractured						
50														
55														
60														
65														
70														
75														
85														

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 12/24/87

Technically Complete
1995

145

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
WMNA/Austin Community Landfill
North side of State Highway 290
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL **ELEVATION** 610.1

DRILLING METHOD: 4.5 in. Flight Auger (FA)

SAMPLING METHOD: Intermittent
3 in. Shelby Tube (ST)

WATER LEVEL	Dry	Dry		
TIME	16:00	14:00		
DATE	10/29/87	10/30/87		
CASING DEPTH				

BORING NO. CB-13P

SHEET 1 OF 3

DRILLING	
START	FINISH
TIME 8:00	TIME 14:00
DATE 10/28/87	DATE 10/28/87

DRILL RIG CME 75

ANGLE Vertical **BEARING**

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry.
Temp. - lower 80 degrees F

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
0			Very pale brown (10 YR 7/4) clay, damp, v. plastic, hard, fractured, Fe stains, slickensides (CH)	4.5in FA	NONE						
5	4.5+ t/sqft (71%)			3 in. ST			24	80	24		98
10	4.5+ t/sqft (67%)										
15	4.5+ t/sqft (50%)		Becoming brownish yellow (10 YR 6/6)								
20	4.5+ t/sqft (46%)		Selenite seam @ 20.3'								
25	4.5+ t/sqft (46%)		Selenite seam @ 25'				22	71	22		95
30	4.5+ t/sqft (50%)		Mottled with light gray (10 YR 6/1) clay								
35	4.5+ t/sqft (54%)		Selenite seam @ 35.3'								
			Yellowish brown (10 YR 5/8) clay, damp, v. plastic, hard, Fe stains, Selenite seams, fractured, mottled with grey (10 YR 6/1) clay, slickensides (CH)								
40											

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston
CHK'D BY
DATE 12/24/87

Technically Complete
1996

146

SOIL BOREHOLE LOG

TE NAME AND LOCATION

WMNA/Austin Community Landfill
North side of State Highway 290
about 4.0 miles east of State
Highway 183, Travis County

DRILLING METHOD:	4.5 in. Flight Auger (FA)			
SAMPLING METHOD: Intermittent	3 in. Shelby Tube (ST)			
WATER LEVEL	Dry	Dry		
TIME	16:00	14:00		
DATE	10/29/87	10/30/87		
CASING DEPTH				

BORING NO.	CB-13P
SHEET	2 OF 3

DRILLING	
START	FINISH
TIME	TIME
8:00	14:00
DATE	DATE
10/28/87	10/28/87

DATUM MSL ELEVATION 610.1

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS

Relatively level, grass cover, dry.

Temp. - lower 80 degrees F

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS: WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
40	4.5+ t/sqft (54%)	▨	Yellowish brown (10 YR 5/8) clay, damp, v. plastic, hard, Fe stains, Selenite seams, fractured, mottled with gray (10 YR 6/1) clay, slickensides (CH)	3 in. ST	NONE						
567.6			Dark gray (10 YR 4/1) claystone, damp, hard, unweathered, unfractured, occasional fossils								
45	4.5+ t/sqft (50%)										
			Began coring at 47'								
50											
55											
60											
65											
70											
75											
80											

DRILLING CONTR. Southwestern Labs

Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 12/24/87

Technically Complete
1997

147

ROCK BOREHOLE

TE NAME AND LOCATION WMNA/Austin Community Landfill North side of State Highway 290 about 4.0 miles east of State Highway 183, Travis County	DRILLING METHOD: Air Rotary SAMPLING METHOD: Continuous Coring	BORING NO. CB-13P SHEET 3 OF 3

WATER LEVEL	Dry	Dry		
TIME	16:00	14:00		
DATE	10/29/87	10/30/87		
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
8:00	14:00
DATE	DATE
10/28/87	10/28/87

DATUM MSL ELEVATION 610.1

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS

Relatively level, grass cover, dry.

Temp. - lower 80 degrees F

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	CORES RUN NO.	CORES NO. AND SIZE OF CORE PIECES	CORES % RECOVERY	CORES RQD	SOIL DESCRIPTION OR ROCK LITHOLOGY	SYMBOL	ROCK STRUCTURE	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS DEPTH IN FEET FROM	TEST RESULTS DEPTH IN FEET TO	PERMEABILITY CM./SEC.
45														
		1	1 at 21 in.	58	58	Dark gray (10YR 4/1) claystone, damp, hard		unweathered unfractured	NX Size Series D4 Core Barrel	NONE				
50		2	1 at 60 in.	100	100									
55		3	1 at 60 in.	100	100	Fe stained fractures at 56'								
60		4	1 at 60 in.	100	100									
65		5	1 at 60 in.	100	100									
70														
75														
80														
85														

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 12/24/87

Technically Complete
1998

143

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
WMNA/ Austin Community Landfill
North side of State Highway 290.
about 4.0 miles east of State
Highway 183. Travis County

DATUM MSL ELEVATION 611.4

DRILLING METHOD: 4.5 in. Flight Auger (FA)

SAMPLING METHOD: 3 in. Shelby Tube (ST)

BORING NO. CB-14P

SHEET 1 OF 2

WATER LEVEL	Dry	Dry	Dry	
TIME	15:00	16:10	14:30	
DATE	10/28/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME 14:15	TIME 19:30
DATE 10/27/87	DATE 10/27/87

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry.
Temp. - lower 80 degrees F

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
0			Very pale brown (10 YR 7/4) clay, damp, hard v. plastic, Fe stains, fractured, slickensides (CH)	4.5in FA	NONE						
5	4.5+ t/sqft (83%)			3in. ST							
10	4.5+ t/sqft (56%)										
15	4.5+ t/sqft (83%)		Becoming yellowish brown (10 YR 5/6) Selenite crystals				22	68	22		88
20	4.5+ t/sqft (54%)						25	76	23		97
25			Mottled with light grey (10 YR 7/1) clay								
585.9	4.5+ t/sqft (71%)		Dark gray (10 YR 4/1) claystone, damp, hard, unweathered, occasional fossils								
30	4.5+ t/sqft (46%)		Selenite seam at 31'								
35	(0%)										
				4.5in FA							
40											

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 12/24/87

Technically Complete
1999

149

ROCK BOREHOLE

TE NAME AND LOCATION
WMNA/ Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL ELEVATION 611.4

DRILLING METHOD: Air Rotary

SAMPLING METHOD: Continuous Coring

BORING NO. CB-14P

SHEET 2 OF 2

WATER LEVEL	Dry	Dry	Dry	
TIME	15:00	16:10	14:30	
DATE	10/28/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME 14:15	TIME 19:30
DATE 10/27/87	DATE 10/27/87

DRILL RIG CME 75

ANGLE Vertical BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, dry.
Temp. - lower 80 degrees F

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	CORES				SOIL DESCRIPTION OR ROCK LITHOLOGY	SYMBOL	ROCK STRUCTURE	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS		
		RUN NO.	NO. AND SIZE OF CORE PIECES	% RECOVERY	RQD							DEPTH IN FEET FROM	TO	PERMEABILITY CM./SEC.
40		1	1 at 60in.	100	100	Dark gray (10YR 4/1) claystone, damp, hard, occasional fossils		unweathered unfractured	NX Size Series D4 Core Barrel	NONE				
45		2	1 at 60in.	100	100	Chert seam at 49'								
50		3	1 at 52in.	87	87									
55		4	1 at 60in.	100	100									
60		5	1 at 60in.	100	100									
65		6	1 at 48in.	80	80									
70		7	1 at 36in.	100	100									
75														
80														

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 12/24/87

Technically Complete
2000

150

SOIL BOREHOLE LOG

TE NAME AND LOCATION
WMNA/ Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL
ELEVATION 659.7

DRILLING METHOD:
4.5 in. Flight Auger (FA)

SAMPLING METHOD: Intermittent
3 in. Shelby Tube (ST)

BORING NO. CB-15

SHEET 1 OF 3

WATER LEVEL	CAVED AT 44'	CAVED AT 44'	CAVED AT 44'	
TIME	15:30	16:30	12:00	
DATE	10/28/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
7:45	12:15
DATE	DATE
10/22/87	10/27/87

DRILL RIG CME 75

ANGLE Vertical **BEARING**

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, rain
Temp. - 70's degree f.

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
0			Very pale brown (10YR 8/4) clay, damp, v. plastic very stiff, fractured, interbedded with chalk	4.5in FA	NONE						
5	4.0 t/sqft (67%)			3 in. ST							
10	4.5+ t/sqft (54%)										
15	4.5+ t/sqft (71%)		Brownish yellow (10 YR 6/6) and grey (10 YR 6/1) clay, damp, v. plastic, hard, fractured, Fe stains, slickensides, (CH)								
20	4.5+ t/sqft (67%)		Becoming very pale brown (10 YR 7/4) Siltstone layer @ 20.6'								
25	4.5+ t/sqft (88%)		Becoming brownish yellow (10 YR 6/6) Chalk in fracture @ 25.5'				20	66	24		98
30	4.5+ t/sqft (71%)										
35	4.5+ t/sqft (67%)		Brownish yellow (10 YR 6/6) clay, damp, v. plastic, hard, Fe stains, fractured, slickensides (CH)								
40											

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston
CHK'D BY
DATE 12/24/87

Technically Complete
2001

151

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
WMNA/ Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DATUM MSL
ELEVATION 659.7

DRILLING METHOD: 4.5 in. Flight Auger (FA)

SAMPLING METHOD: Intermittent
3 in. Shelby Tube (ST)

BORING NO. CB-15

SHEET 2 OF 3

WATER LEVEL				
TIME	15:30	16:30	12:00	
DATE	10/28/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	START	FINISH
TIME	7:45	12:15
DATE	10/22/87	10/27/87

DRILL RIG CME 75

ANGLE Vertical
BEARING

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, rain
Temp. - 70's degree f.

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS % PASSING 200
40 619.7	4.5+ t/sqft (58%)		Dark gray (10 YR 4/1) claystone, damp, hard, unweathered, occasional fossils	3 in. ST	NONE		21	64	23		96
				4.5in FA							
45			Reamed borehole to 45', began coring at 45'								
50											
55											
60											
65											
70											
75											
80											

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston
CHK'D BY

DATE 12/24/87

Technically Complete
2002

152

ROCK BOREHOLE

SITE NAME AND LOCATION
WMNA/ Austin Community Landfill
North side of State Highway 290,
about 4.0 miles east of State
Highway 183, Travis County

DRILLING METHOD: Air Rotary

SAMPLING METHOD: Continuous Coring

BORING NO. CB-15

SHEET 3 OF 3

WATER LEVEL				
TIME	15:30	16:30	12:00	
DATE	10/28/87	10/29/87	10/30/87	
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
7:45	12:15
DATE	DATE
10/22/87	10/27/87

DATUM MSL **ELEVATION** 659.7

DRILL RIG CME 75

ANGLE Vertical **BEARING**

SAMPLE HAMMER TORQUE FT.-LBS

SURFACE CONDITIONS
Relatively level, grass cover, rain
Temp. - 70's degree f.

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	CORES: RUN NO.	CORES: NO. AND SIZE OF CORE PIECES	CORES: % RECOVERY	CORES: RQD	SOIL DESCRIPTION OR ROCK LITHOLOGY	SYMBOL	ROCK STRUCTURE	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS: DEPTH IN FEET: FROM	TEST RESULTS: DEPTH IN FEET: TO	TEST RESULTS: PERMEABILITY CM./SEC.
45		1	1 at 60 in.	100	100	Dark gray (10YR 4/1) claystone, damp, hard		unweathered unfractured	NX Size Series D4 Core Barrel	NONE				
50		2	1 at 60 in.	100	100									
55		3	1 at 60 in.	100	100									
60		4	1 at 60 in.	100	100									
65		5	1 at 60 in.	100	100									
70														
75														
80														
85														

DRILLING CONTR. Southwestern Labs
Austin, Texas

LOGGED BY Jim Kingston CHK'D BY

DATE 12/24/87

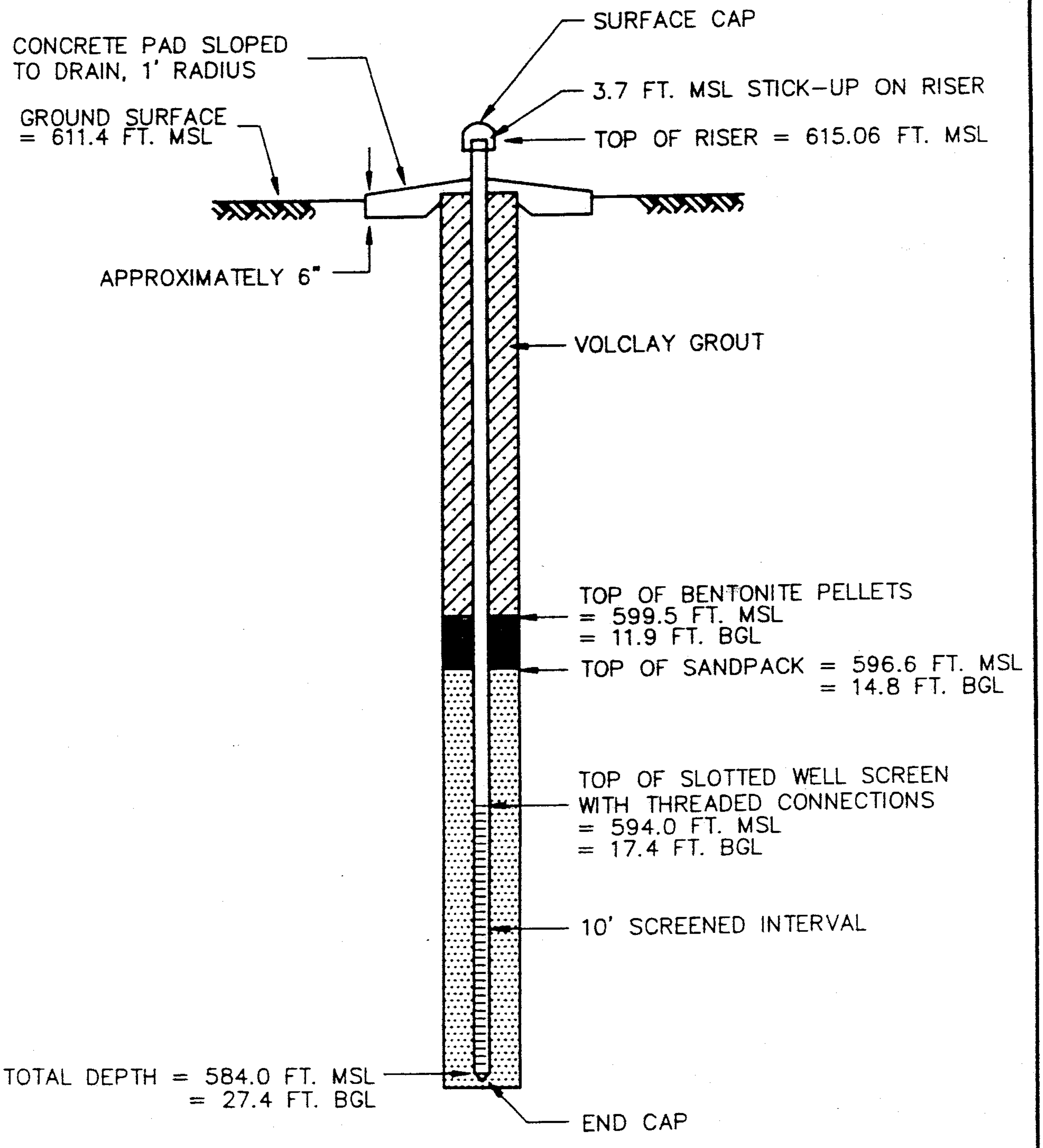
Technically Complete
2003

153

APPENDIX B

PIEZOMETER COMPLETION DIAGRAMS

Technically Complete
2004

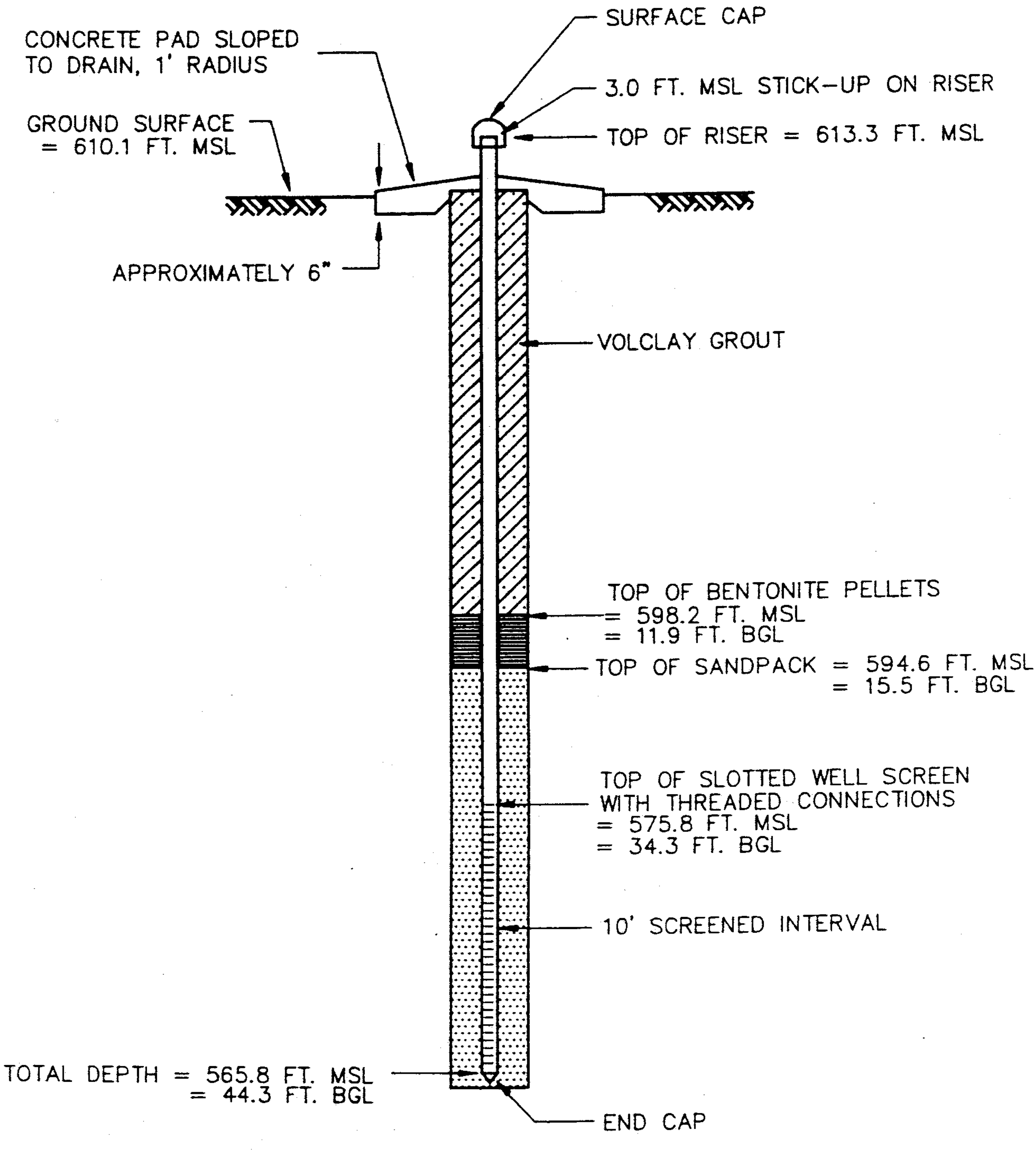


COOK-JOYCE INC.
ENGINEERING AND CONSULTING
512 WEST ELEVENTH SUITE 205
AUSTIN, TEXAS 78701 512-474-9087

CB – 14P

PIEZOMETER
COMPLETION
DIAGRAM

Technically Complete
2005

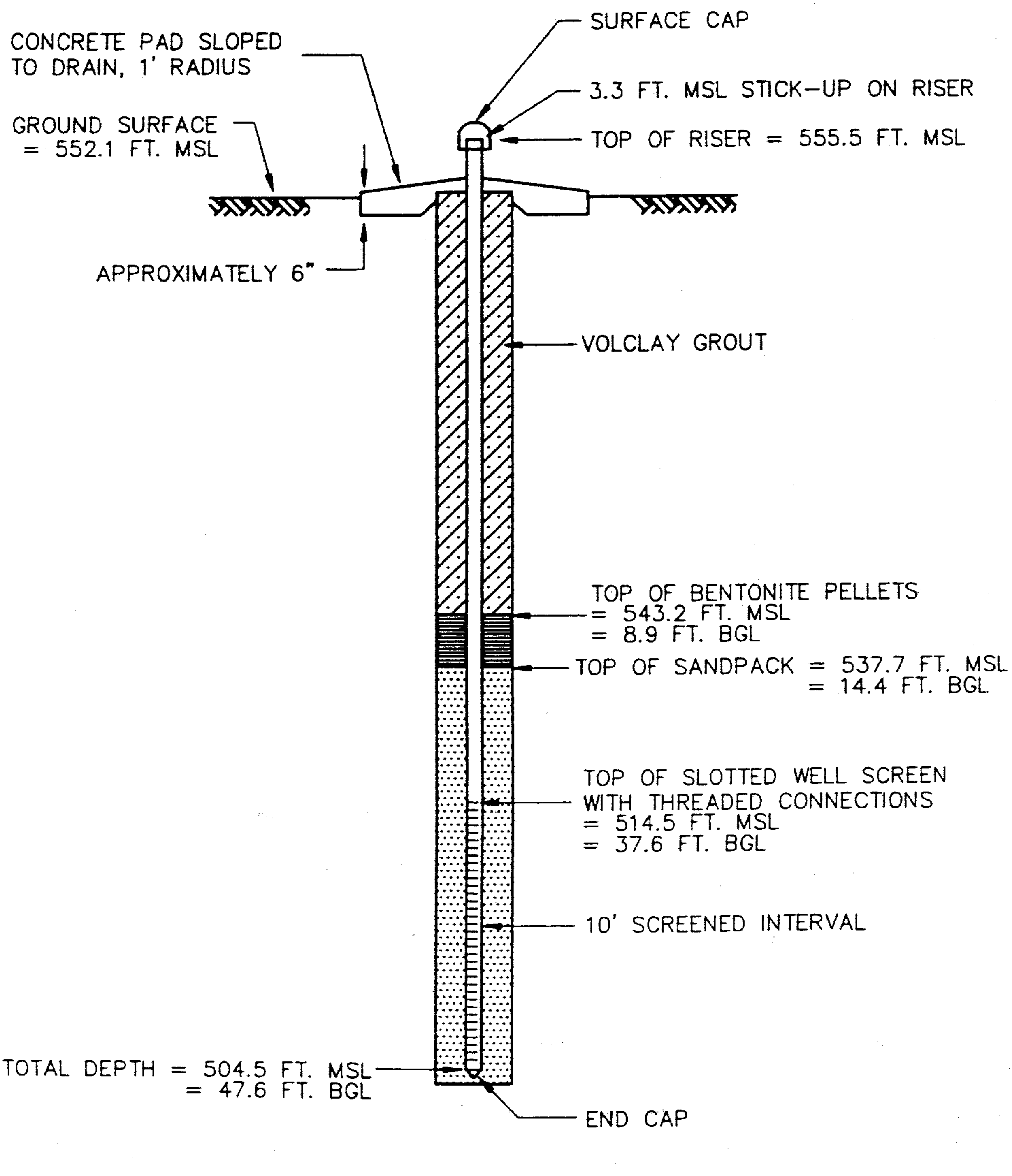


COOK-JOYCE INC.
ENGINEERING AND CONSULTING
812 WEST ELEVENTH SUITE 205
AUSTIN, TEXAS 78701 512-474-9097

CB – 13P

PIEZOMETER COMPLETION DIAGRAM

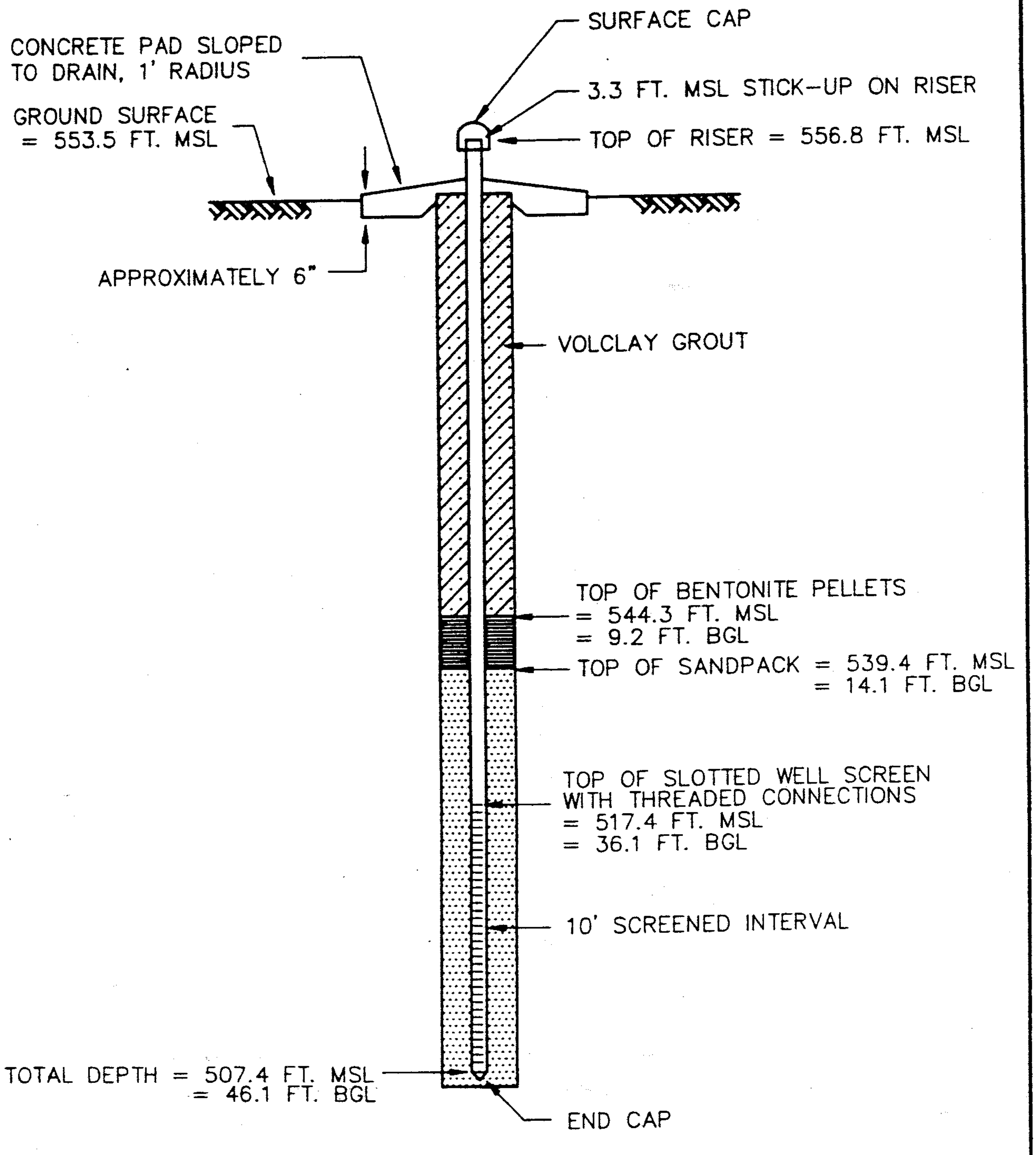
Technically Complete
2006



COOK-JOYCE INC.
ENGINEERING AND CONSULTING
812 WEST ELEVENTH SUITE 205
AUSTIN, TEXAS 78701 512-474-9097

CB – 11P

PIEZOMETER
COMPLETION
DIAGRAM



COOK-JOYCE INC.
ENGINEERING AND CONSULTING
812 WEST ELEVENTH SUITE 205
AUSTIN, TEXAS 78701 512-474-9097

CB – 8P

PIEZOMETER
COMPLETION
DIAGRAM

Technically Complete
2008

158

APPENDIX C

PREVIOUS SITE INVESTIGATION

GEOTECHNICAL STUDY
AUSTIN COMMUNITY LANDFILL EXPANSION
PERMIT NO. 249
TRAVIS COUNTY, TEXAS

FOR

WASTE MANAGEMENT OF NORTH AMERICA, INC.
HOUSTON, TEXAS

PREPARED BY

MCBRIDE-RATCLIFF AND ASSOCIATES, INC.
HOUSTON, TEXAS

PAUL A. TABOR

Paul A Tabor

Technically Complete
2010

McBride-Ratcliff
and Associates, Inc.
Geotechnical Consultants
7220 Langtry Houston, Texas 77040 713-460-3766

September 25, 1987

Waste Management of North America, Inc.
13430 Northwest Freeway, Suite 1000
Houston, Texas 77040

ATTENTION: Mr. Jim Norstrom, P.E.

SUBJECT: Geotechnical Study
Austin Community Landfill Expansion
Permit No. 249
Travis County, Texas
MRA File No. 87-284

Gentlemen:

We are pleased to submit the results of our geotechnical study for the proposed expansion of Austin Community Landfill. This study was performed in general accordance with our proposal dated July 16, 1987. This work was authorized under Addendum No. 19-ES dated July 22, 1987.

We appreciate the opportunity to participate in the planning of the project. We trust that the information contained herein will fulfill your immediate requirements. If you have any questions or if we may be of further assistance in this project, please contact us.

Yours very truly,

McBRIDE-RATCLIFF AND ASSOCIATES, INC.

Ian Yanagisawa

Ian Yanagisawa

Paul A. Pabor/CEW

Paul A. Pabor, P.E.

IAN:PAP:kaIBM

Technically Complete
2011

INTRODUCTION

The project involves the geotechnical study of a proposed 70-acre expansion to the Austin Community Landfill operated by WMNA. The landfill site is located in eastern Travis County, on the north side of State Highway 290, about 4.0 miles east of State Highway 183. The ground surface elevation ranges from 532 feet MSL along the creek on the western end of the site to 660 feet MSL along the east side. The project location and site layout are shown in Figure 1.

SCOPE OF WORK

The scope of work for this study consisted of the following:

1. Describe the geologic setting of the site with respect to regional physiography and stratigraphy.

2. Drill exploratory soil borings at selected locations on the project site to evaluate the site stratigraphy and to monitor groundwater conditions.

3. Perform laboratory tests on recovered soil samples to evaluate the classifications and in situ permeabilities of the various soil layers.

4. Evaluate the adequacy of exposed in situ soils to serve as natural liners.

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2012

5. Recommend appropriate liner designs for the protection of soil layers which are not suitable as in situ liners.

6. Evaluate the site groundwater conditions.

7. Recommend the locations and depths of groundwater monitoring wells.

GEOLOGIC SETTING

Physiography

Regional Physiography. Travis County extends across two major physiographic provinces of North America: the Great Plains and the Gulf coastal Plains (The Texas Almanac, 1984). The boundary between these two physiographic provinces in Travis County is formed by the north to northeast and south to southwest trending Balcones Escarpment. The Great Plains is situated west of the escarpment and the Gulf Coastal Plains is east of the escarpment. The Balcones Escarpment was formed by differential weathering of rocks on either side of the Balcones Fault Zone.

East of the Balcones Escarpment the surface is characteristically a low-relief plain. West of the Balcones Escarpment the surface is predominantly steep.

The Balcones Escarpment also separates two major Texas physiographic regions: the Edwards Plateau, which is the eastern extent of the Great Plains in Travis County, and the Blackland Prairie Belt, which is the western extent of the Gulf Coastal Plains in the County. The Edwards Plateau

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2013

region encompasses approximately 48 percent of Travis County. Most of the entire surface is a thin limestone based soil covered with growths of cedar, oaks, mesquite and prickly pear cactus. Karst development (solutioning) is a common geomorphic process within the carbonate geology of the Edwards Plateau region, as indicated by the presence of numerous sinkholes and caverns.

The Blackland Prairie Belt covers about 52 percent of Travis County. The rolling prairie surface is generally a dark clay soil covered with mesquite and other brush. Solutioning, which is prevalent in the Edwards Plateau, is not a geomorphic process of the Blackland Prairie.

Site Physiography. The proposed landfill site is situated in the Blackland Prairie Belt of Travis County, approximately one mile from the Balcones Escarpment, as shown in Figure 3. Surface drainage of the project area is to the south and southwest into Walnut Creek, a tributary of the Colorado River. The site consists of both uplands and drainage valleys. The drainage valleys are situated within the interior eastern half and near the western boundary of the site. These drainage valleys coalesce near the southwestern portion of the site as shown in Figure 1. The eastern site boundary is at an elevation of about 663 ft MSL and is part of the uplands. The southwestern corner of the tract is in the drainage valley, at about elevation 534 ft MSL. The drainage valley wall transitions from the uplands to the northeast to the lowlands to the southwest at about a 5 percent slope within the site.

Regional Geology

Travis County is directly underlain by sediments which were deposited over two geologic eras: the Mesozoic and the Cenozoic. The Mesozoic Era is represented by deposits of the Cretaceous System, and the Cenozoic by deposits of the Tertiary and Quarternary systems. (Sellards and others, 1932; Garner and Young, 1976; and Barnes, 1976). The relative position and thickness of the geologic units corresponding to these systems, along with a brief lithologic description, are given on Table 1. Mapped outcrop areas of the geologic groups are shown on Figure 4.

Cretaceous System. The Cretaceous System in Texas is divided into two series: the Comanchean Series, and Gulfian Series, or Upper and Lower Cretaceous. The stratigraphic break between these two series is consistent throughout the southwestern United States. The Comanchean Series consists predominantly of carbonate rocks with some clastic units. This series of rock was deposited in a transgressing epi continental sea as near shore clastic sediments, and offshore carbonates. The Comanchean Series is represented by the Trinity, Fredericksburg, and Washita groups. In Travis County, the Trinity is represented by the Hensell Sand and the Glen Rose Formation. The Hensell is a friable to well-cemented sand outcropping the western portion of the county and ranges in thickness from 20 to 150 feet. The Glen Rose is composed of alternating beds of marl, limestone and dolomite with a total thickness of 1000 feet (Sellards and others, 1932; Garner and Young, 1974; and Barnes, 1976).

In the county, the Fredericksburg Group is composed of several similar limestone formations. For the purpose of this report these formations will be designated as the Edwards, and associated limestones. This formation consists of limestones, dolomites and some marls and ranges from 300 to 500 feet in thickness.

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2015

The Washita Group is represented by the Del Rio Clay, Georgetown Limestone and the Buda Limestone.

The Georgetown and Buda Formations consist of limestones with interbedded marls; the Buda containing less marls than the Georgetown. The Buda Formation attains a thickness of 45 feet and the Georgetown a thickness of 30 to 80 feet. The Del Rio Clay is a marine clay with thin interbeds of calcareous siltstone and has a thickness of 40 to 70 feet (Sellards and others, 1932; Garner and others, 1976; Barnes, 1976).

The Gulfian Series is composed mainly of clastic rocks with some occurrences of carbonate units. this series consist of continental shelf deposits. This Upper Cretaceous Series contains four geologic groups: the Eagle Ford, Austin, Taylor and Navarro. These group names will also be used as the formational name. The Austin Group, also known as the Austin Chalk, consists of about 325 - 420 feet of chalk, limestone, and marl with pyrite nodules and bentonite seams. The Eagle Ford, Taylor, and Navarro Formations are composed of clay, chalk, chalky marl, shale, and limestone, as shown on Table 1. The Eagle Ford is about 25 to 65 feet thick, the Taylor is 700 feet and the Navarro is about 500 feet in thickness. (Sellards and others, 1932; Garner and others, 1976; Barnes, 1976).

<u>Tertiary System</u>. The Tertiary System of Travis County is represented by only one geologic series, the Paleocene. This series was deposited as detrital sediments at or near a transgressive shoreline. The Paleocene Series is represented by the Midway Group. In Travis County, the Midway Group is represented by the Kincaid Formation. The Kincaid Formation consists chiefly of marine clay and sandy clay with ferruginous and calcareous concretions. (Sellards and others, 1932; Garner and Young, 1976; Barnes, 1976).

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2016

Quaternary System. The Quaternary System in Travis County includes those sediments of the Pleistocene and Holocene Series. The Quaternary age sediments occur as alluvium and as terrace deposits along the major streams and capping hills. The Pleistocene Series in the county, is represented by terrace deposits. The terrace deposits are composed of interbedded silt, sand, gravel and clay.

The Holocene Series includes the flood plain and channel deposits of the present streams. The Holocene sediments include sand, silt, clay and gravel (Garner and Young, 1976, Sellards and others, 1932; Barnes, 1976).

Site Geology

The site is situated on the outcrop of the Taylor Group. The Taylor disconformably overlies the Austin Chalk.

The site is situated on a downthrown fault block. The Austin Formation, which is older and underlies the Taylor, outcrops west of the site on the upthrown block.

The Taylor Formation at the site consists of a weathered zone of high plasticity clays, which are underlain by an unweathered stratum. The Taylor is about 600 to 700 ft thick beneath the tract.

SITE STRATIGRAPHY

A geotechnical field study was performed to evaluate the site stratigraphy and to obtain samples for classification and permeability testing. The field exploration program consisted of 7 vertical core borings (CB-1 through CB-7)

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2017

drilled to depths of 25 to 55 feet at the locations shown on Figure 1. A discussion of procedures used during the field program and copies of the boring logs are presented in Appendix A.

Two general soil profiles extending across the site are shown on Figures 2-A through 2-B. The stratigraphy, as identified by the project borings, is generally consistent across the site, and can typically be divided into the following soil layers:

Soil Layer	Soil Description and Classification	Formation
I	Hard tan CLAY (CH)	Taylor
II	Hard dark gray CLAY (CH)	Taylor

Layer I is identified as weathered and unweathered clay of the Taylor Formation. The Layer I weathered zone is gray in color and rapidly grades downward to the tan of the unweathered zone. The Layer I soils were encountered at the surface in all of the project borings. Layer I typically extends to depths of about 50 feet at the east end of the site and about 20 feet at the west end of the site.

The Layer II soils consist of dark gray unweathered clays of the Taylor Formation. The Layer II soils were encountered in all project borings drilled at the site to at least the 55 ft depth achieved.

Technically Complete
2018

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GROUNDWATER CONDITIONS

Each of the seven core borings was dry-augered to full depth. No free water was encountered in any of the borings. Borings CB-1, CB-3, CB-5, CB-6, and CB-7 were left open for periods of at least 24 hours each, and borings CB-2 and CB-4 were left open for periods of at least 5 hours each. Groundwater was not observed in any of the open borings. Based on these observations, it would appear that the static groundwater level at this site is below the depth of the core borings. However, it is our understanding that all but one of the six monitoring wells at the present landfill exhibit groundwater. It is possible that the 5- to 24-hour observation period for the seven borings in the expansion area was not long enough to allow any significant groundwater influx from the low-permeability clays. We recommend that any fuure studies include piezometers in the expansion areas so that long-term observations of groundwater levels may be obtained.

SOIL PROPERTIES

In Situ Soils

Test Procedures. The various soil layers identified in the soil borings were tested and evaluated for index properties and in situ undisturbed permeabilities. Municipal Solid Waste Management Regulations (MSWMR) 325.74 (b)(5)(I)(iii), described in Appendix B, was used as a guide for these evaluations. The requirements of this section and the variations in procedures used for the project laboratory program are presented in Appendix B.

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2019

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The general approach used in the laboratory evaluation of the in situ soils consisted of performing classification tests on a cross-section of samples from each soil layer. Permeability tests were then performed on those samples expected on the basis of the classification tests to exhibit upper-bound permeabilities.

Classification tests on cohesive soils consisted primarily of Atterberg Limits tests. It is our experience that the Plasticity Index of the soil is the most consistent indicator of cohesive soil permeability. A decrease in Plasticity Index generally corresponds to an increase in the laboratory-measured permeability. The Texas Department of Health sets a minimum required Plasticity Index of 15 for the acceptability of soils for either natural or constructed liners. By determining the Plasticity Index of a number of samples from a soil layer, the sample(s) with lowerbound PI's may be tested for permeability to provide an estimate of the upperbound permeability of the soil layer. We note that the PI - permeability correlation is often not applicable for soils with a significant substructure of silt or sand seams, joints, calcareous deposits, or slickensides.

A hydrometer analysis was performed on a sample of the Layer I clay to obtain typical values of percent passing a number 200 sieve (silt and clay fraction) and the percent finer than 0.005 mm (clay fraction).

Moisture content tests were performed on all samples for which Atterberg Limits were identified, and on additional samples for visual classification.

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2020

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Test Results. The ranges in measured values for each soil layer are tabulated below:

Layer No.	Soil Type	Water Content (%)	Liquid Limit (%)	Plasticity Index (%)	Percent Finer Than No. 200	Percent Finer Than 0.005 mm
I	Tan Clay	15-25	56-90	36-62	94	78
II	Dark Gray Clay	17-22	57-75	35-49		

The Layer I and Layer II clays exhibit Liquid Limits (LL) exceeding 50 and Plasticity Indices (PI) exceeding 25. TDH regulations do not require additional permeability testing for these soils, and state that they may be considered suitable for use as natural liners provided they do not exhibit fissures, cracks, joints, bedding planes, or any other secondary natural features which increase the apparent coefficient of permeability. Verification permeability tests were performed on various samples in both the vertical and horizontal directions in both layers. The results of these tests are as follows:

Boring No.	Depth (ft)	Layer No.	LL (%)	PI (%)	Permeability (cm/sec)	Orientation
CB-1	3-5	I	56	36	3.08×10^{-9}	Horizontal
CB-4	13-15	I	62	41	1.32×10^{-9}	Vertical
CB-1	43-45	II	67	43	1.49×10^{-9}	Vertical

Based on these test results, both the Layer I and Layer II soils are considered suitable for use as natural sidewall and bottom liners.

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2021

Remolded Soils

Two composite samples (A and B) were prepared from representative core samples from Layer I. Atterberg Limits and standard moisture-density relations (ASTM D 698) were calculated for each composite sample. An attempt was made to select the lower-PI cores for Sample A and the higher-PI cores for Sample B, to bracket the expected behavior of the Layer I clay. The test results are as follows:

Sample	A	B
Liquid Limit(%)	63	72
Plasticity Index (%)	42	48
Maximum Dry Density (pcf)	97.2	91.0
Optimum Water Content (%)	24.4	27.0

Permeability test results on compacted cylindrical samples from each composite sample are given below.

Sample	A	B
Dry Density (pcf)	98.4	92.3
Relative Compaction (%)	101.2	101.4
Water Content (%)	22.5	26.3
Relative Moisture (%)	+1.9	-.7
Permeability (cm/sec)	$2.9X10^{-9}$	$7.9X10^{-10}$

The results of these tests indicate that the soils from Layer II satisfy the TDH requirements for use as compacted liner material.

RECOMMENDATIONS

Layer I and Layer II soils are both expected to be suitable as natural liners. When these soils are exposed by excavation, they should be further evaluated by the geotechnical engineer during the liner evaluation process for the presence of fissures, cracks, joints, bedding planes, or

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2022

17.

any secondary natural features. If secondary natural features exist in any area, the soils should be lined with a 3-foot thick compacted cohesive liner having a maximum permeability of 1 x 10^{-7} cm/sec, plus a one-foot thick protective cover.

Groundwater was not encountered in either the Layer I or the Layer II soils. If future studies indicate that the groundwater level is below the depth of excavation, groundwater monitoring may not be required, as authorized by subclause 325.74(b)(5)(D)(vii)(VIII) of TDH regulations.

GENERAL

This report addresses the in situ permeabilities of the various soil layers which will be exposed by the landfill excavation. The conclusions given in this report are based on widely spaced borings and on laboratory testing of recovered samples. These conclusions should be utilized for planning purposes, such as determining project feasibility and estimating soil liner requirements. Actual liner requirements for a given area of the landfill should be evaluated by the geotechnical engineer based on his visual observation of exposed soils and further laboratory testing of appropriate soil layers. This work is typically performed during the preparation of Soils and Liner Evaluation Reports during the landfill operation.

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TABLE 1 - GEOLOGIC FORMATIONS IN TRAVIS COUNTY, TEXAS

System	Series	Geologic Unit	Approximate Thickness(ft)	Lithologic Character
Quaternary	Holocene	Alluvium	0 - 20	Clay, silt, sand, gravel
	Pleistocene		0 - 50	Silt, sand, gravel, clay
Tertiary	Paleocene	Midway	100 - 400	Clay and sandy clay with sand interbeds
Cretaceous	Gulfian	Navarro Fm.	500	Clay with limestone, sandstone and siltstone interbeds
		Taylor Fm.	600 - 700	Clay, chalk, chalky marl
		Austin Chalk	325 - 420	Chalk, marl, limestone
		Eagle Ford	25 - 65	Shale and sandy limestone
		Buda Limestone	35	Limestone
		Georgetown Fm.	40 - 60	Limestone and marls
		Del Rio Clay	40 - 70	Clay with thin beds of limestone
		Edwards and associated limestones	300 - 500	Limestone and dolomitic limestone with some thin beds of marl
	Comanchean	Glen Rose Limestone	Upper 400	Alternating beds of shale and marl with thin beds of limestone
			Lower 500	Massive limestone with thin beds of marl
		Hensell Sand	20 - 150	Fine grained friable to well cemented sand

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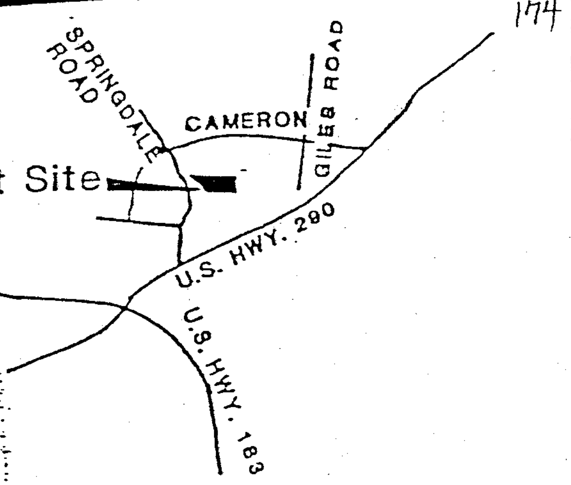
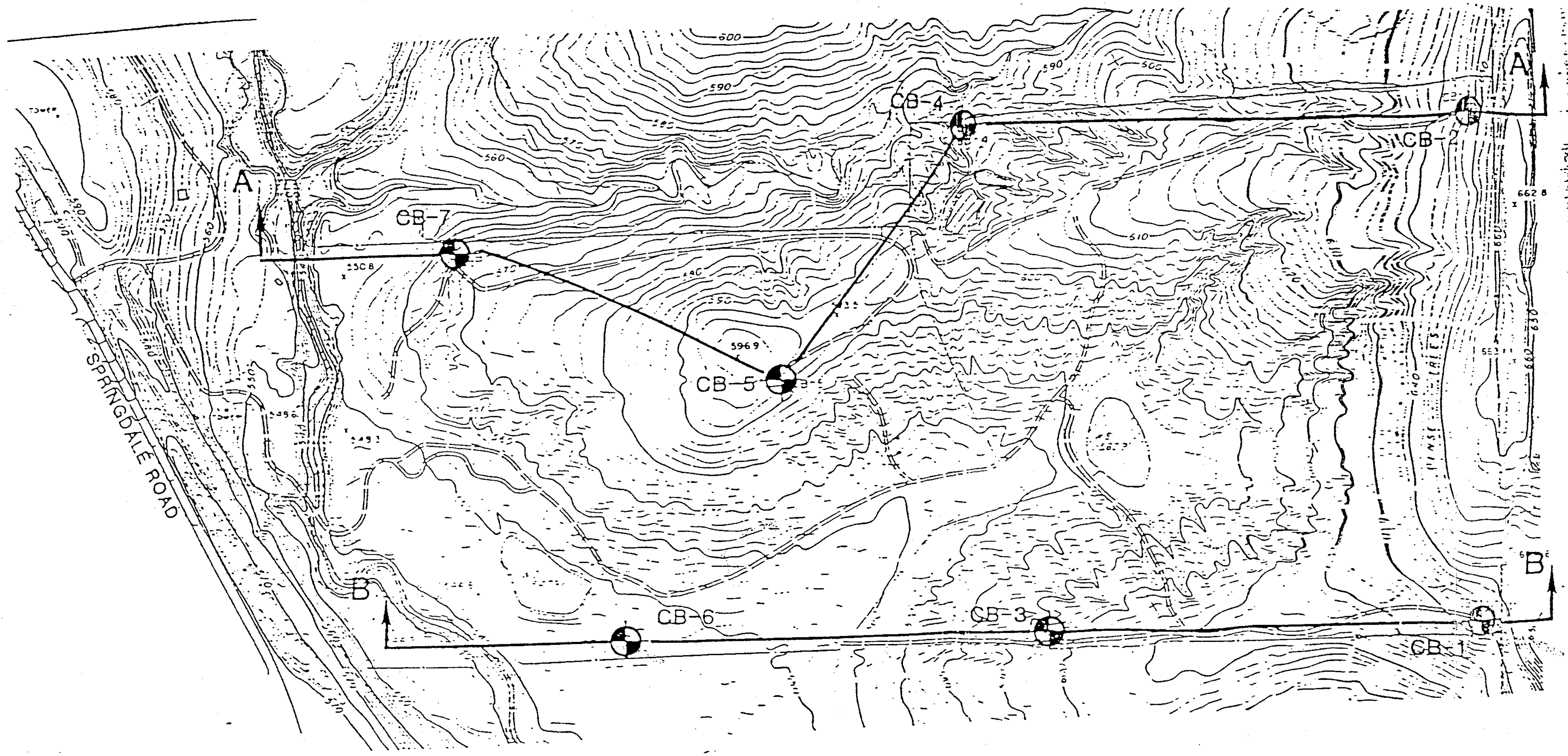
2024

174



VICINITY MAP



SCALE - FT
0 300 600

TOPOGRAPHIC MAP PREPARED BY METROPOLITAN AERIAL SURVEYS, FORT WORTH, TEXAS. MAP COMPILED USING A STEREOPLOTTER FROM AERIAL PHOTOGRAPHY FLOWN 7-24/87

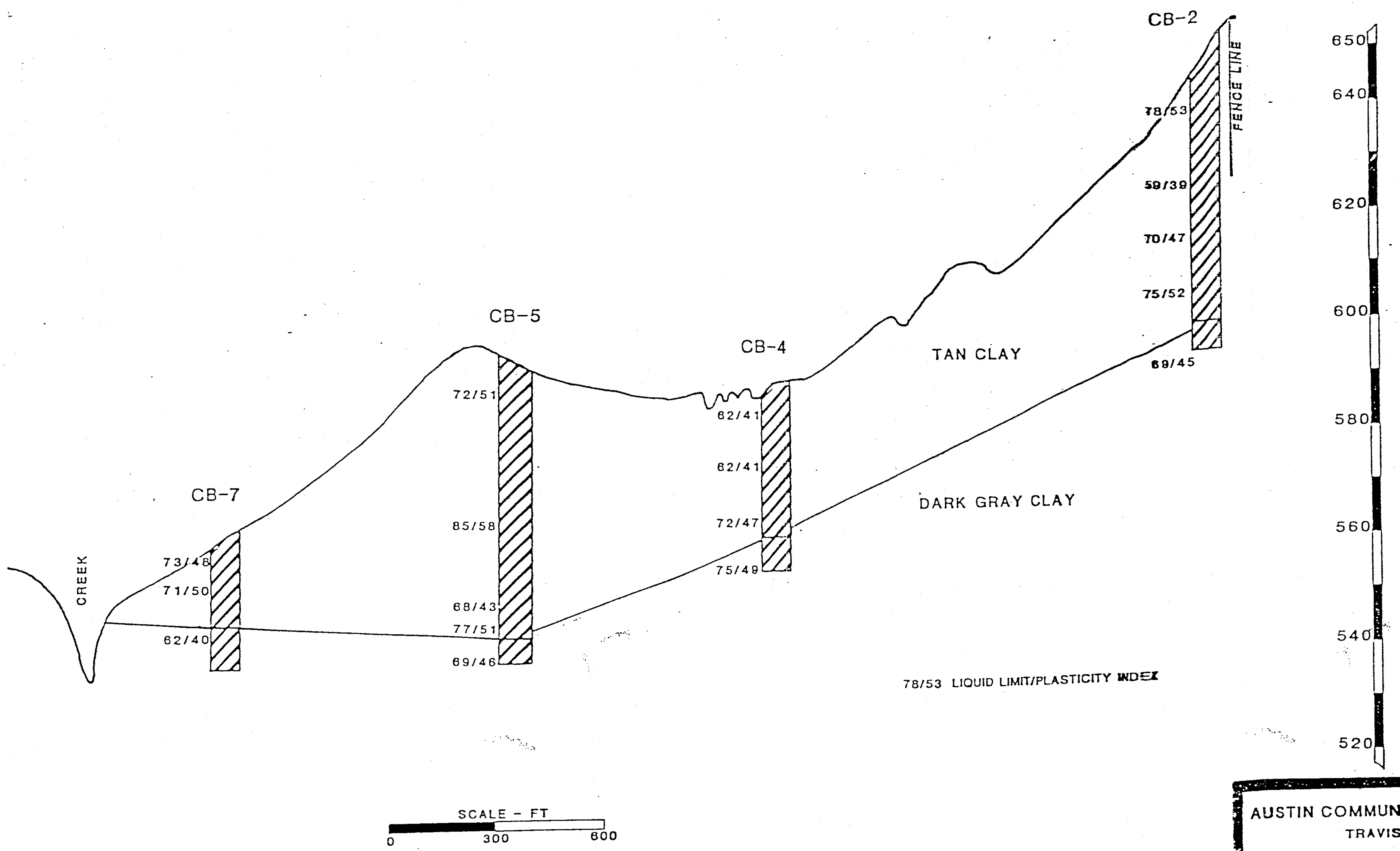
Technically Complete
2025

AUSTIN COMMUNITY LANDFILL EXPANSION
TRAVIS COUNTY, TEXAS

WASTE MANAGEMENT OF N.A., INC.
HOUSTON, TEXAS

McBride-Ratcliff and Associates, Inc.
Geotechnical Consultants
Houston, Texas

SCALE NOTED	MADE KD CHECK PP	DATE 8/26/87 DATE 8/26/87	FILE NO. 87-284
	PLAN OF BORINGS		FIGURE 11



NOTE - SUBSOIL PROFILE INTERPOLATED
BETWEEN BORINGS. ACTUAL CONDITIONS
MAY VARY FROM THOSE ILLUSTRATED.

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2026

AUSTIN COMMUNITY LANDFILL EXPANSION
TRAVIS COUNTY, TEXAS

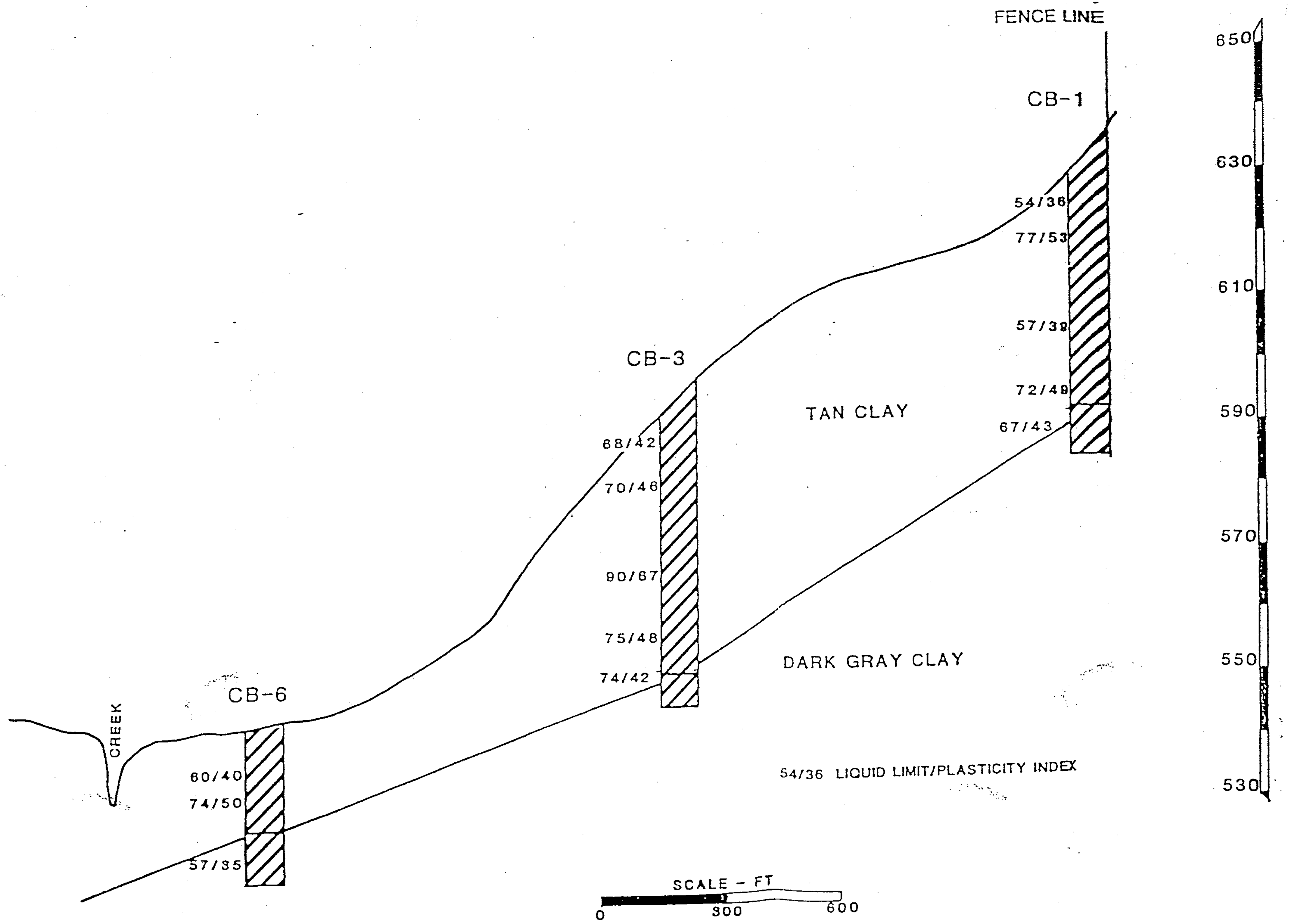
WASTE MANAGEMENT OF N.A., INC.
HOUSTON, TEXAS

McBride-Ratcliff and Associates, Inc.
Geotechnical Consultants
Houston, Texas

SCALE NOTED
MADE KD DATE 8/26/87
CHECK PP DATE 8/26/87
FILE NO. 87-[illegible]

SOIL PROFIL A-A

FIGURE 2-[illegible]



NOTE - SUBSOIL PROFILE INTERPOLATED
BETWEEN BORINGS. ACTUAL CONDITIONS
MAY VARY FROM THOSE ILLUSTRATED.

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2027

AUSTIN COMMUNITY LANDFILL EXPANSION
TRAVIS COUNTY, TEXAS

WASTE MANAGEMENT OF N.A., INC.
HOUSTON, TEXAS

McBride-Ratcliff and Associates, Inc.
Geotechnical Consultants
Houston, Texas

SCALE NOTED	MADE KD CHECK PP	DATE 8/26/87 DATE 8/26/87	FILE NO 87-284
	SOIL PROFILE B-B		FIGURE 2-B

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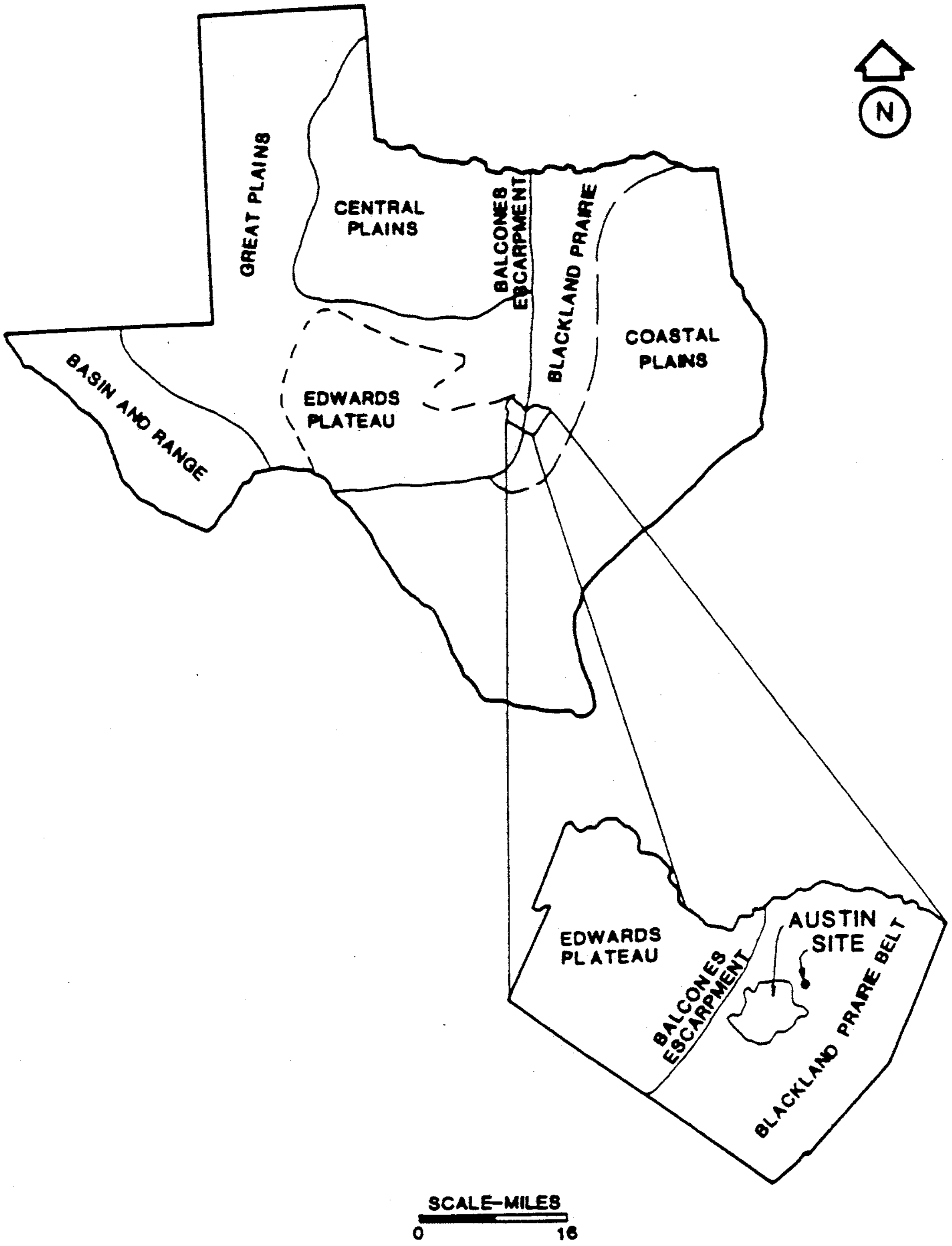

PHISIOGRAPHIC PROVINCES OF TEXAS AND TRAVIS COUNTY

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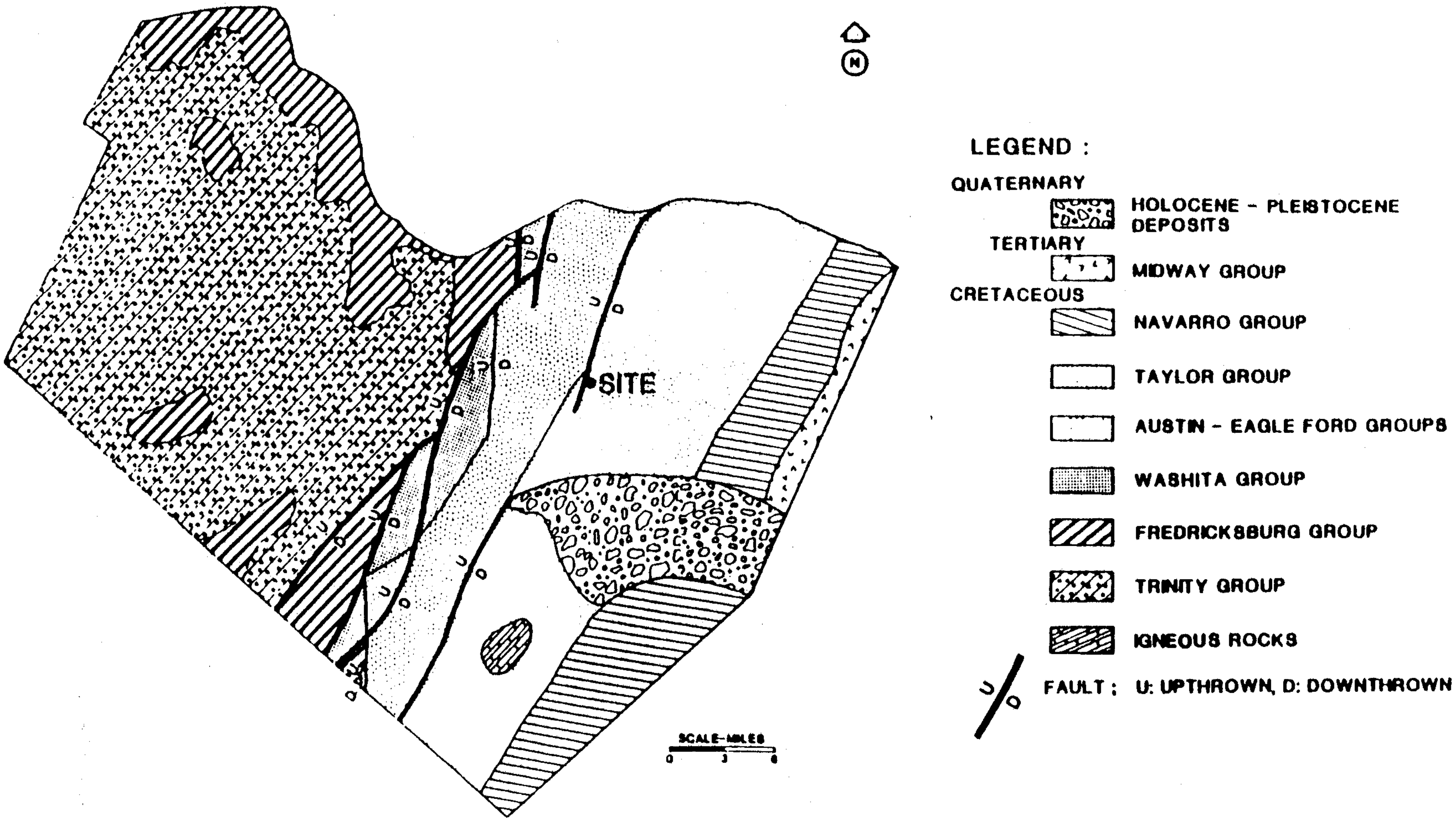
2028

FILE NO. 87-284
FIGURE 3



NOTE: MODIFIED FROM AAPG. GEOLOGICAL HIGHWAY MAP OF TEXAS.

GENERALIZED GEOLOGICAL MAP OF TRAVIS COUNTY

Technically Complete
2029

FILE NO. 87-284
FIGURE 4

McBride-Ratcliff and Associates, Inc.

APPENDIX A

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2030

APPENDIX A

FIELD EXPLORATION

The field exploration for this project was performed from July 22 to 27, 1987, and consisted of 7 borings drilled to depths of 25 to 55 feet. The locations of all borings are shown on Figure 1. The boring logs are presented at the end of this appendix.

All boring locations were appropriately marked so they could be visually identified from the aerial photography flown by Metropolitan Aerial Surveys on July 24, 1987. The location and elevation of each boring were provided to us by Metropolitan.

All borings were drilled using a truck-mounted drill rig with hydraulic drawdown. All borings were dry-augered full-depth. Samples were typically obtained at the surface at 3 feet and at 5-foot intervals thereafter.

Undisturbed tube samples were obtained using a three-inch Shelby tube sampler advanced hydraulically by one stroke of the drill rig system (ASTM D 1587). Samples were extruded in the field, visually classified, and a strength estimate obtained with a pocket penetrometer. Penetrometer readings are tabulated on the individual boring logs. Representative portions of the sample were wrapped and sealed for transport to our laboratory.

All soil borings were pressure-grouted with bentonite mud from the depth of termination to the ground surface.

Technically Complete
2031

LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-1
DATE 7-22-87
ELEV. 633.9
PAGE 1 OF 2

DRY AUGERED 0 TO 50 FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT * FT
WATER AT * FT AFTER
*No Free Water Encountered
Hole Dry After 24 Hours
HOLE CAVED IN AT FT AFTER
HOLE GROUTED 0 FT TO 50 FT ON 7/23/87

	FIELD DATA			LABORATORY DATA									
					ATTERBERG LIMITS			GRADATION (% PASSING)					
SOIL SYMBOL	DEPTH (feet)	SAMPLES	q_u, tsf (N, blows/ft)	MOISTURE CONTENT %	LIQUID LL	PLASTIC PL	PLASTICITY INDEX PI	NO. 40	NO. 100	NO. 200	0.005 mm	PERMEABILITY 10^{-7} cm/sec	DESCRIPTION OF STRATUM
▨			4.5+	19									Hard dark gray CLAY (CH) -roots & shell fragments @ 0-2' -tan below 2'
			3.00	20	56	20	36						-very stiff @ 3'
	5												
													-hard @ 8'
			4.5+	21									
	10												
			4.5+	19	77	24	53						
	15												
			4.5+	21									
	20												
													-shell fragments @ 23'-25'
			4.5+	20									
	25												
													-dark gray clay streaks below 28'
			4.5+	17	57	18	39						
	30												
			4.5+	20									
	35												
													-shell fragments @ 38'-40'
			4.5+	19	72	23	49						
	40												

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE

(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

Technically Complete
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LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-1
DATE 7-22-87
ELEV. 633.9
PAGE 2 OF 2

DRY AUGERED 0 TO 50 FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT FT
WATER AT FT AFTER

HOLE CAVED IN AT FT AFTER
HOLE GROUTED FT TO FT ON

SOIL SYMBOL	FIELD DATA			LABORATORY DATA									DESCRIPTION OF STRATUM
	DEPTH (feet)	SAMPLES	q_u, tsf (N, blows/ft)	MOISTURE CONTENT %	ATTERBERG LIMITS LIQUID LL	PLASTIC PL	PLASTICITY INDEX PI	GRADATION (% PASSING) NO. 40	NO. 100	NO. 200	0.005 mm	PERMEABILITY 10^{-7} cm/sec	
▨													Hard tan CLAY (CH)
▨		■	4.5+	17	67	24	43						Hard dark gray CLAY (CH)
▨	45												
▨		■	4.5+	20									
	50												Bottom @ 50'
	55												
	60												
	65												
	70												
	75												
	80												

Technically Complete
2033

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE
(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

MCBRIDE-RATCLIFF AND ASSOCIATES, INC.

LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-2
DATE 7-27-87
ELEV. 649.4
PAGE 1 OF 2

DRY AUGERED 0 TO 55 FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT * FT
WATER AT * FT AFTER
*No free water encountered
Hole dry after 5 hours
HOLE CAVED IN AT FT AFTER
HOLE GROUTED 0 FT TO 55 FT ON 7/27/87

SOIL SYMBOL	FIELD DATA			LABORATORY DATA									DESCRIPTION OF STRATUM
	DEPTH (feet)	SAMPLES	q_u, tsf (N, blows/ft)	MOISTURE CONTENT %	ATTERBERG LIMITS LIQUID LL	PLASTIC PL	PLASTICITY INDEX PI	GRADATION (% PASSING) NO. 40	NO. 100	NO. 200	0.005 mm	PERMEABILITY 10^{-7} cm/sec	
▨		■	4.5+	25									Hard dark gray CLAY (CH) -roots @ 0-2' -tan below 2'
▨	5	■	4.5+	20									
▨	10	■	4.00	24	78	25	53						-calcareous pockets @ 8'-10'
▨	15	■	4.5+	16									-shell fragments @ 13'-15'
▨	20	■	4.5+	17									
▨	25	■	4.5+	22	59	20	39						
▨	30	■	4.5+	18									
▨	35	■	4.5+	19	70	23	47						
▨	40	■	4.5+	21									-shell fragments below 38'

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE
(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

Technically Complete
2034

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LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-2
DATE 7-27-87
ELEV. 649.4
PAGE 2 OF 2

DRY AUGERED 0 TO 55 FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT FT
WATER AT FT AFTER
HOLE CAVED IN AT FT AFTER
HOLE GROUTED FT TO FT ON

SOIL SYMBOL	FIELD DATA			LABORATORY DATA									
	DEPTH (feet)	SAMPLES	q_u, tsf (N, blows/ft)	MOISTURE CONTENT %	ATTERBERG LIMITS LIQUID LL	PLASTIC PL	PLASTICITY INDEX PI	GRADATION (% PASSING) NO. 40	NO. 100	NO. 200	0.005 mm	PERMEABILITY 10^{-7} cm/sec	DESCRIPTION OF STRATUM
▨													Hard tan CLAY (CH)
▨		■	4.5+	18	75	23	52						
▨	45												
▨		◣		8									
▨	50												Hard dark gray CLAY (CH)
▨		■	4.5+	18	69	24	45						
	55												Bottom @ 55'
	60												
	65												
	70												
	75												
	80												

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE

(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

Technically Complete
2035

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LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-3
DATE 7-23-87
ELEV. 596.0
PAGE 1 OF 2

DRY AUGERED 0 TO 50 FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT * FT
WATER AT * FT AFTER
*No free water encountered.
Hole dry after 24 hours
HOLE CAVED IN AT FT AFTER
HOLE GROUTED 0 FT TO 50 FT ON 7/24/87

FIELD DATA		LABORATORY DATA	ATTERBERG LIMITS			GRADATION (% PASSING)					
DEPTH (feet)	q_u, tsf (N, blows/ft)	MOISTURE CONTENT %	LIQUID LL	PLASTIC PL	PLASTICITY INDEX PI	NO. 40	NO. 100	NO. 200	0.005 mm	PERMEABILITY 10^{-7} cm/sec	DESCRIPTION OF STRATUM
	3.00	25									Very stiff tan CLAY (CH) -roots @ 0-2' -hard @ 3'
5	4.5+	27	68	26	42						
10	4.5+	18									
15	4.5+	22	70	24	46						
20	4.5+	22									
25	4.5+	23									
30	4.5+	26	90	28	62						
35	4.5+	24									
40	4.5+	25	75	27	48						-occassional silt laminations, dark gray clay streaks @ 38'-40'

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE

(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

Technically Complete
2036

LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-3
DATE 7-23-87
ELEV. 596.0
PAGE 2 OF 2

DRY AUGERED TO FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT FT
WATER AT FT AFTER

HOLE CAVED IN AT FT AFTER
HOLE GROUTED FT TO FT ON

FIELD DATA				LABORATORY DATA									
SOIL SYMBOL	DEPTH (feet)	SAMPLES	q_u, tsf (N, blows/ft)	MOISTURE CONTENT %	ATTERBERG LIMITS			GRADATION (% PASSING)				PERMEABILITY 10^{-7} cm/sec	DESCRIPTION OF STRATUM
					LIQUID LL	PLASTIC PL	PLASTICITY INDEX PI	NO. 40	NO. 100	NO. 200	0.005 mm		
▨	45	■	4.5+	23	74	27	47						Hard tan CLAY (CH) -dark gray clay streaks @ 43'-45'
▨	50	■	4.5+	20									Hard dark gray CLAY (CH)
													Bottom @ 50'
	55												
	60												
	65												
	70												
	75												
	80												

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE

(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

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LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-4
DATE 7-27-87
ELEV. 589.3
PAGE 1 OF 1

DRY AUGERED 0 TO 35 FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT * FT
WATER AT * FT AFTER
*No free water encountered
Hole dry after 5 hours.
HOLE CAVED IN AT FT AFTER
HOLE GROUTED 0 FT TO 35 FT ON 7/27/87

	FIELD DATA			LABORATORY DATA									
SOIL SYMBOL	DEPTH (feet)	SAMPLES	q_u, tsf (N, blows/ft)	MOISTURE CONTENT %	ATTERBERG LIMITS LIQUID LL	PLASTIC PL	PLASTICITY INDEX PI	GRADATION (% PASSING) NO. 40	NO. 100	NO. 200	0.005 mm	PERMEABILITY 10^{-7} cm/sec	DESCRIPTION OF STRATUM
			4.5+	22									Hard tan CLAY (CH) -roots @ 0-2'
			4.5+	27	62	21	41						
	5												
			4.5+	23									
	10												
			4.5+	22	62	21	41						
	15												
			4.5+	25									
	20												
			4.5+	24	70	23	47						
	25												
			4.5+	22									Hard dark gray CLAY (CH)
	30												
			4.5+	21	75	26	49						
	35												Bottom @ 35'
	40												

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE
(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

Technically Complete
2038

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LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-5
DATE 7-23-87
ELEV. 593.2
PAGE 1 OF 2

DRY AUGERED 0 TO 55 FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT * FT
WATER AT * FT AFTER
*No free water encountered.
Hole dry after 24 hours.
HOLE CAVED IN AT FT AFTER
HOLE GROUTED 0 FT TO 55 FT ON 7-24-87

FIELD DATA				LABORATORY DATA									
SOIL SYMBOL	DEPTH (feet)	SAMPLES	q_u, tsf (N, blows/ft)	MOISTURE CONTENT %	ATTERBERG LIMITS LIQUID LL	PLASTIC PL	PLASTICITY INDEX PI	GRADATION (% PASSING) NO. 40	NO. 100	NO. 200	0.005 mm	PERMEABILITY 10^{-7} cm/sec	DESCRIPTION OF STRATUM
▨		■	4.5+	15									Hard tan CLAY (CH) -roots @ 0-2' -calcareous pockets @ 3'-10'
▨		■	4.5+	18	72	21	51						
▨	5												
▨		■	4.5+	21									
▨	10												
▨		■	4.5+	24									
▨	15												
▨		■	4.5+	23									
▨	20												
▨		■	4.5+	22									
▨	25												
▨		■	4.5+	24	85	27	58						
▨	30												
▨		■	4.5+	23									
▨	35												
▨	40	■	4.5+	24									

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE
(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

MCBRIDE-RATCLIFF AND ASSOCIATES, INC.

Technically Complete
2039

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LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-5
DATE 7-23-87
ELEV. 593.2
PAGE 2 OF 2

DRY AUGERED 0 TO 55 FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT FT
WATER AT FT AFTER

HOLE CAVED IN AT FT AFTER
HOLE GROUTED FT TO FT ON

SOIL SYMBOL	FIELD DATA			LABORATORY DATA									DESCRIPTION OF STRATUM
	DEPTH (feet)	SAMPLES	q_u, tsf (N, blows/ft)	MOISTURE CONTENT %	ATTERBERG LIMITS			GRADATION (% PASSING)				PERMEABILITY 10^{-7} cm/sec	
					LIQUID LL	PLASTIC PL	PLASTICITY INDEX PI	NO. 40	NO. 100	NO. 200	0.005 mm		
▨		■	4.5+	21	68	25	43						Hard tan CLAY (CH) dark gray clay streaks below 43'
▨	45												
▨		■	4.5+	22	77	26	51						-occassional shell fragments @ 48'-50'
▨	50												Hard dark gray CLAY (CH)
▨		■	4.5+	20	69	23	46						
	55												Bottom @ 55'
	60												
	65												
	70												
	75												
	80												

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE

(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

Technically Complete
2040

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LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-6
DATE 7-22-87
ELEV. 544.5
PAGE 1 OF 1

DRY AUGERED 0 TO 25 FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT * FT
WATER AT * FT AFTER
*No free water encountered.
Hole dry after 24 hours.
HOLE CAVED IN AT FT AFTER
HOLE GROUTED 0 FT TO 25 FT ON 7/23/87

SOIL SYMBOL	FIELD DATA			LABORATORY DATA									DESCRIPTION OF STRATUM
	DEPTH (feet)	SAMPLES	q_u, tsf (N, blows/ft)	MOISTURE CONTENT %	ATTERBERG LIMITS LIQUID LL	PLASTIC PL	PLASTICITY INDEX PI	GRADATION (% PASSING) NO. 40	NO. 100	NO. 200	0.005 mm	PERMEABILITY 10^{-7} cm/sec	
			4.5+	21									Hard tan CLAY (CH) -roots @ 0-2' -very stiff w/shell fragments @ 3'
			3.75	21									
	5												
			4.5+	19	60	20	40						-hard @ 8' -calcareous pockets @ 8'-10'
	10												
			4.5+	23	74	24	50						
	15												
			4.5+	21									Hard dark gray CLAY (CH)
	20												
			4.5+	18	57	22	35						
	25												Bottom @ 25'
	30												
	35												
	40												

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE
(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

Technically Complete
2041

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LOG OF BORING

PROJECT NO: 87-284
PROJECT: Austin Community Landfill Expansion
Travis County, Texas
CLIENT: Waste Management of North America, Inc.
Houston, Texas

BORING NO. CB-7
DATE 7-23-87
ELEV. 563.8
PAGE 1 OF 1

DRY AUGERED 0 TO 25 FT
WASH BORED TO FT
FREE WATER ENCOUNTERED AT * FT
WATER AT * FT AFTER
*No free water encountered.
Hole dry after 24 hours.
HOLE CAVED IN AT FT AFTER
HOLE GROUTED FT TO FT ON

SOIL SYMBOL	FIELD DATA: DEPTH (feet)	FIELD DATA: SAMPLES	FIELD DATA: q_u, tsf (N, blows/ft)	LABORATORY DATA: MOISTURE CONTENT %	ATTERBERG LIMITS: LIQUID LL	ATTERBERG LIMITS: PLASTIC PL	ATTERBERG LIMITS: PLASTICITY INDEX PI	GRADATION (% PASSING): NO. 40	GRADATION (% PASSING): NO. 100	GRADATION (% PASSING): NO. 200	GRADATION (% PASSING): 0.005 mm	PERMEABILITY 10^{-7} cm/sec	DESCRIPTION OF STRATUM
			4.5+										Hard tan CLAY (CH) -occasional gravel. shell fragments @ 0-2'
			4.5+	23	73	25	48						
	5												
													-shell fragments @ 8'-10'
			4.5+	21	71	21	50						
	10												
													-dark gray clay streaks below 13'
			4.5+	23									
	15												
													Hard dark gray CLAY (CH)
			4.5+	19	62	22	40						
	20												
			4.5+	19									
	25												Bottom @ 25'
	30												
	35												
	40												

q_u = POCKET PENETROMETER UNCONFINED COMPRESSIVE STRENGTH
N = STANDARD PENETRATION TEST N-VALUE

(V) = VERTICAL AXIS
(H) = HORIZONTAL AXIS

Technically Complete
2042

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SYMBOLS AND TERMS USED ON BORING LOGS

MAJOR DIVISIONS			GRAPH SYMBOL	LETTER SYMBOL	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)	▨	GW	WELL GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
			▨	GP	POORLY GRADED GRAVELS, GRAVEL SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)	▨	GM	SILTY GRAVELS, GRAVEL SAND SILT MIXTURES
			▨	GC	CLAYEY GRAVELS, GRAVEL SAND CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	CLEAN SAND (LITTLE OR NO FINES)		SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)	▨	SM	SILTY SANDS, SAND SILT MIXTURES
			▨	SC	CLAYEY SANDS, SAND SILT MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50	▨	ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
			▨	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
			▨	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50	▨	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
			▨	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
			▨	OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS			▨	PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS
UNCLASSIFIED FILL MATERIALS			▨		ARTIFICIALLY DEPOSITED EARTH AND/OR OTHER UNCLASSIFIED MATERIALS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

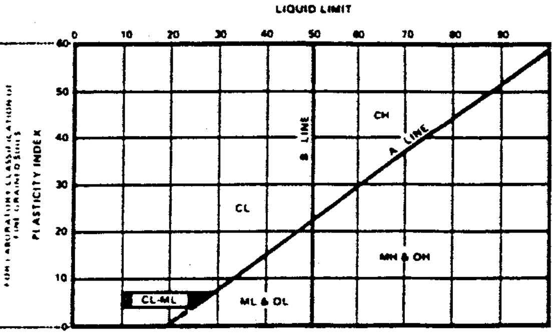
SOIL CLASSIFICATION CHART

SAMPLE TYPES

■	INDICATES DEPTH OF UNDISTURBED SAMPLE
☒	INDICATES DEPTH OF STANDARD PENETRATION TEST
◪	INDICATES DEPTH OF DISTURBED OR AUGER SAMPLE
⧄	INDICATES DEPTH OF SAMPLING ATTEMPT WITH NO RECOVERY

KEY TO SAMPLES

(SHOWN IN SAMPLES COLUMN)



PLASTICITY CHART

UNIFIED SOIL CLASSIFICATION SYSTEM

RELATIVE DENSITY OF COHESIONLESS SOILS

COARSE GRAINED SOILS (major portion retained on No. 200 sieve): Includes (1) clean gravels and sands, and (2) silty or clayey gravels and sands. Conditions rated according to standard penetration test (SPT) as performed in the field.

Descriptive Term	Blows Per Foot*
Very Loose	0 - 4
Loose	5 - 10
Firm	11 - 30
Dense	31 - 50
Very Dense	over 50

*140 pound weight having a free fall of 30 inches.

CONSISTENCY OF COHESIVE SOILS

FINE GRAINED SOILS (major portion passing No. 200 sieve): Includes (1) inorganic and organic silts and clays, (2) gravelly, sandy, or silty clays, and (3) clayey silts. Consistency is rated according to shearing strength as indicated by penetrometer readings or by unconfined compression tests.

Descriptive Term	Unconfined Compressive Strength Ton/Sq. Ft.
Very Soft	Less than 0.25
Soft	0.25 to 0.50
Medium	0.50 to 1.00
Stiff	1.00 to 2.00
Very Stiff	2.00 to 4.00
Hard	4.00 and higher

NOTE: Slickensided and fissured clays may have lower unconfined compressive strengths than shown above, because of weakness or cracks in the soil. The consistency ratings of such soils are based on penetrometer readings.

TERMS CHARACTERIZING SOIL STRUCTURE

Slickensided	— having inclined planes of weakness that are slick and glossy in appearance.
Fissured	— containing shrinkage cracks, frequently filled with fine sand or silt; usually more or less vertical.
Laminated	— composed of thin layers of varying color and texture.
Interbedded	— composed of alternate layers of different soil types.
Calcareous	— containing appreciable quantities of calcium carbonate.
Well graded	— having wide range in grain sizes and substantial amounts of all intermediate particle sizes.
Poorly graded	— predominantly of one grain size, or having a range of sizes with some intermediate size missing.

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APPENDIX B

APPENDIX B

LABORATORY PROGRAM

Section 325.74 (b)(5)(I)(iii) of the TDH Municipal Solid Waste Management Regulations was used as a guide for the laboratory testing program. This section states as follows:

> A laboratory report of soil characteristics shall be submitted consisting of a minimum of one sample from each soil layer that will form the bottom and sides of the proposed excavation. The design engineer should have as many additional tests performed as necessary to provide a typical profile of the soil stratifications within the site. No laboratory work need be performed on highly permeable soil layers which obviously will require lining. The soil samples shall be tested by a competent soils laboratory. The soil tests shall consist of the following:
>
> 1) Permeability tests, to be performed according to one of the following standards on undisturbed soil samples. Where excavations already exist on the site that are to be used for waste disposal, undisturbed samples shall be taken from the sidewalls of those excavations and said permeability tests made on the horizontal axis. All test results shall indicate the type of test used and the orientation of each sample.
>
>   Constant Head--ASTM D 2434; or
>   Falling Head--Appendix VII of the Corps of Engineering Manual EM 1110-2-1906, 30 No. 70, Laboratory Soils Testing.
>
> 2) Sieve analysis and hydrometer analysis: #4, #10, #40, #200, -200, and hydrometer analysis or -200 fraction--ASTM D 422.

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3) Atterberg Limits--ASTM D 423 and D 424 (replaced by ASTM D 4318).

4) Moisture - Density Relations--ASTM D 698.

5) Moisture Content--ASTM D 2216.

All soils bounded within the following range of values shall be tested in a soils laboratory for the coefficient of permeability. Normally all soils below the range of values stated in this subclause are very sandy and will require lining, unless additional test data support a deviation. Those soils which exceed the range of values are high in clay and do not require additional testing to prove their adequacy for sanitary landfill purposes. The physical parameters stated are to be considered as guidelines for soil sample testing. Engineering judgement must be used on those samples which exhibit some but not all of the boundary limits stated.

Plasticity Index	15 to 25
Liquid Limit	30 to 50
Percent Passing 200 Mesh Sieve (-200)	30 to 50

All tests were performed in accordance with the applicable ASTM standards, with the exception of the permeability tests.

Constant-head permeability tests were performed in general accordance with Appendix VII, Section 7 (Permeability Tests with Back Pressure) of the Corps of Engineers Manual EM 1110-2-1906. Modifications to the COE procedures included (1) the sample was assumed to be saturated when the outflow was equal to the inflow volume, and (2) the outlet back-pressure was a nominal value of 0.2 to 0.5 psi. The test consists of consolidating the soil sample in a triaxial cell to an effective stress approximately equal to the in situ octahedral normal stress. A back pressure gradient is applied from the bottom to the top of the sample, and the induced flow is measured with time. The test is continued until inflow and outflow volumes are equal and the incremental permeability values remain constant.

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REFERENCES

Barnes, V.E., 1976, Austin Sheet: University of Texas, Bur. Econ. Geology, Geology Atlas of Texas.

The Dallas Morning News, 1984, Texas Almanac and State Industrial Guide.

Garner, L.E. and Young, K.P., 1976, Environmental Geology of the Austin Area: An Aid to Urban Planning: University of Texas, Bur. Econ. Geology, Report of Investigation 86.

Hunt, C.B., 1967, Physiography of the United States; W.H. Freeman and Company San Francisco and London, pp. 8, 9, 139 and 205.

Sellards, E.H., 1919, The Geology or Mineral Resources of Bexar County: University of Texas Bulletin, 1932, pp. 10-75, 777-86 and 97-104.

Sellards, E.H., Adkins, W.S., and Plummer, F.B., The Geology of Texas Vol. 1, Stratigraphy: University of Texas, Bur. Econ. Geology, 3232, pp. 259-499, 524-527, 531-627.

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APPENDIX D

RESULTS OF GRAIN SIZE ANALYSES

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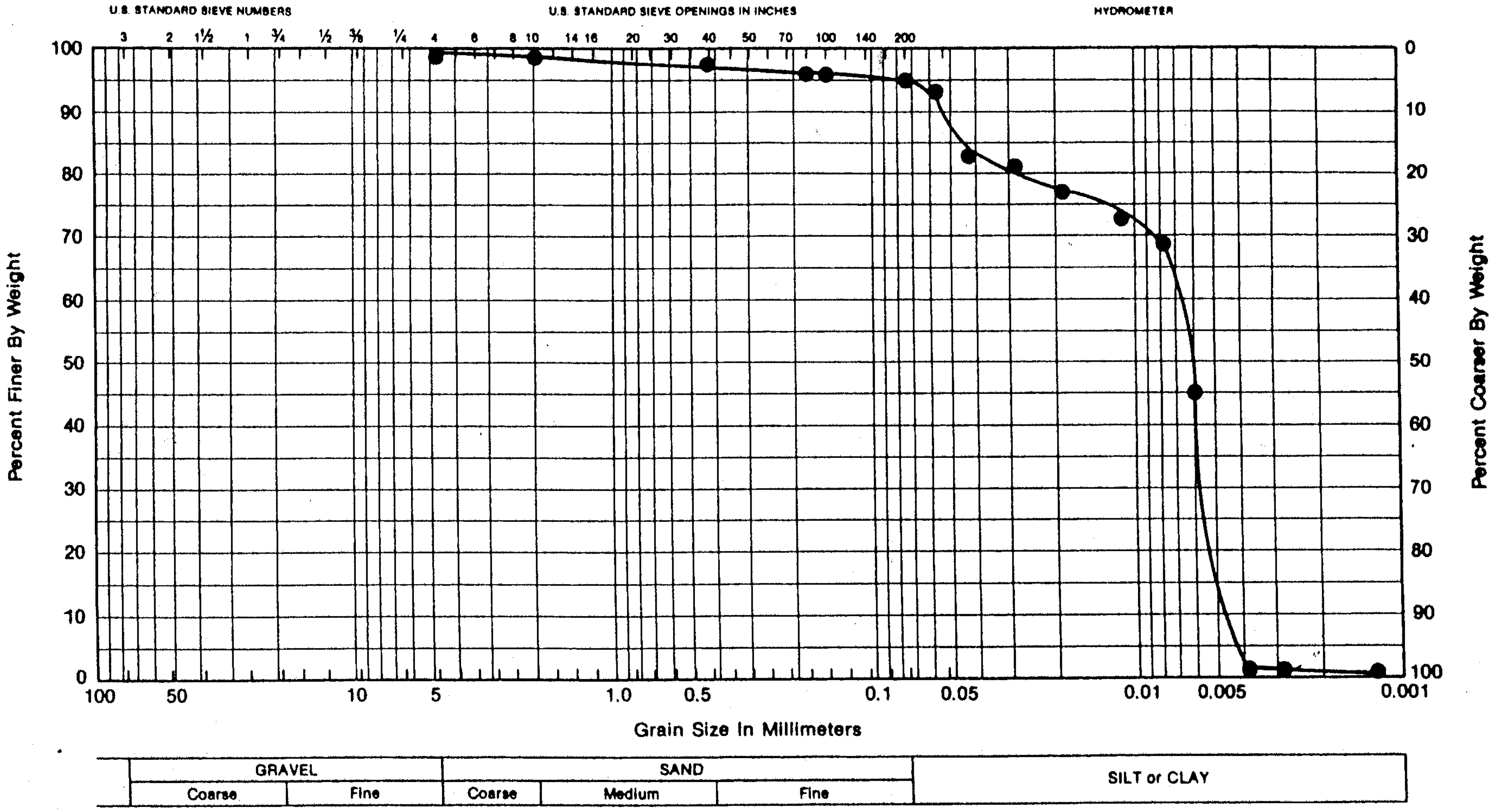
GRAIN SIZE CURVES



Description: TAN AND GRAY CLAY,
w/scattered calcite crystals

CB-9
30 to 32 ft

SwL Project No. 90-AUS-231

SOUTHWESTERN LABORATORIES

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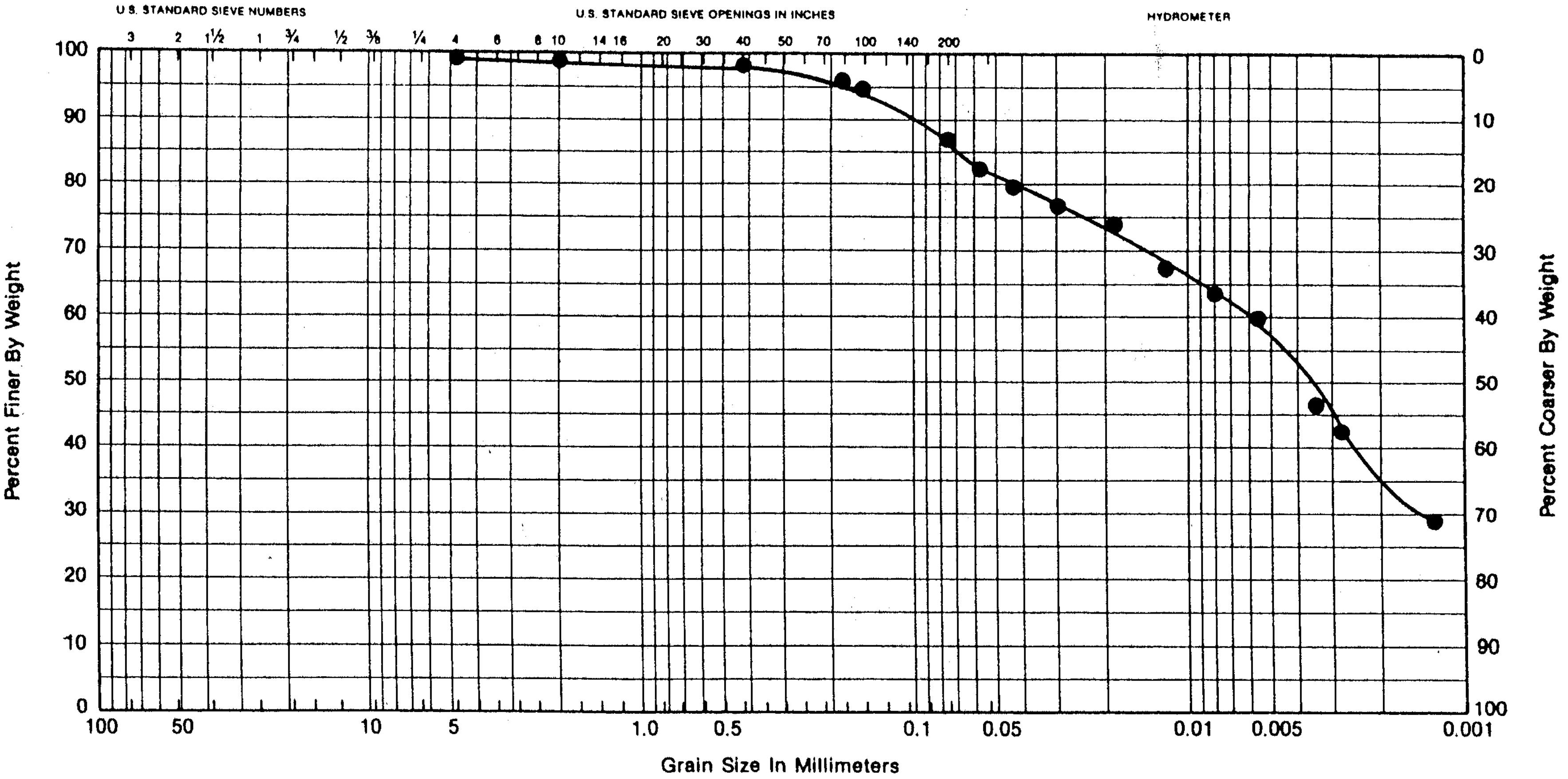
GRAIN SIZE CURVES



GRAVEL		SAND			SILT or CLAY
Coarse	Fine	Coarse	Medium	Fine	

Description: TAN CLAY ,w/iron ore nods and stains

CB-11
20 to 22 ft

SwL Project No. 90-AUS-231

SOUTHWESTERN LABORATORIES

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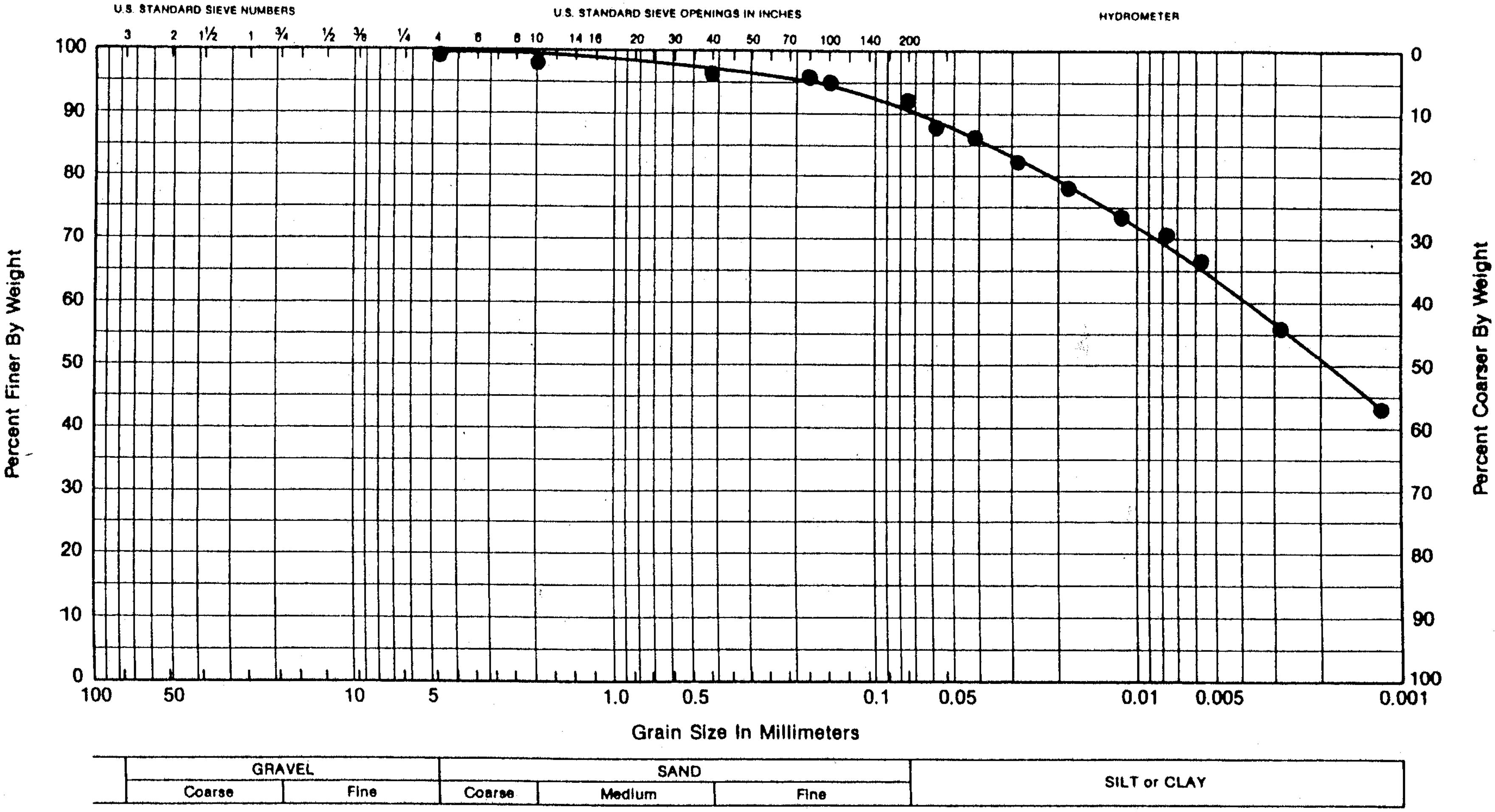
2050

GRAIN SIZE CURVES



Description: TAN AND GRAY CLAY,
w/calcite crystals

CB-12
30 to 32 ft

SwL Project No. 90-AUS-231

SOUTHWESTERN LABORATORIES

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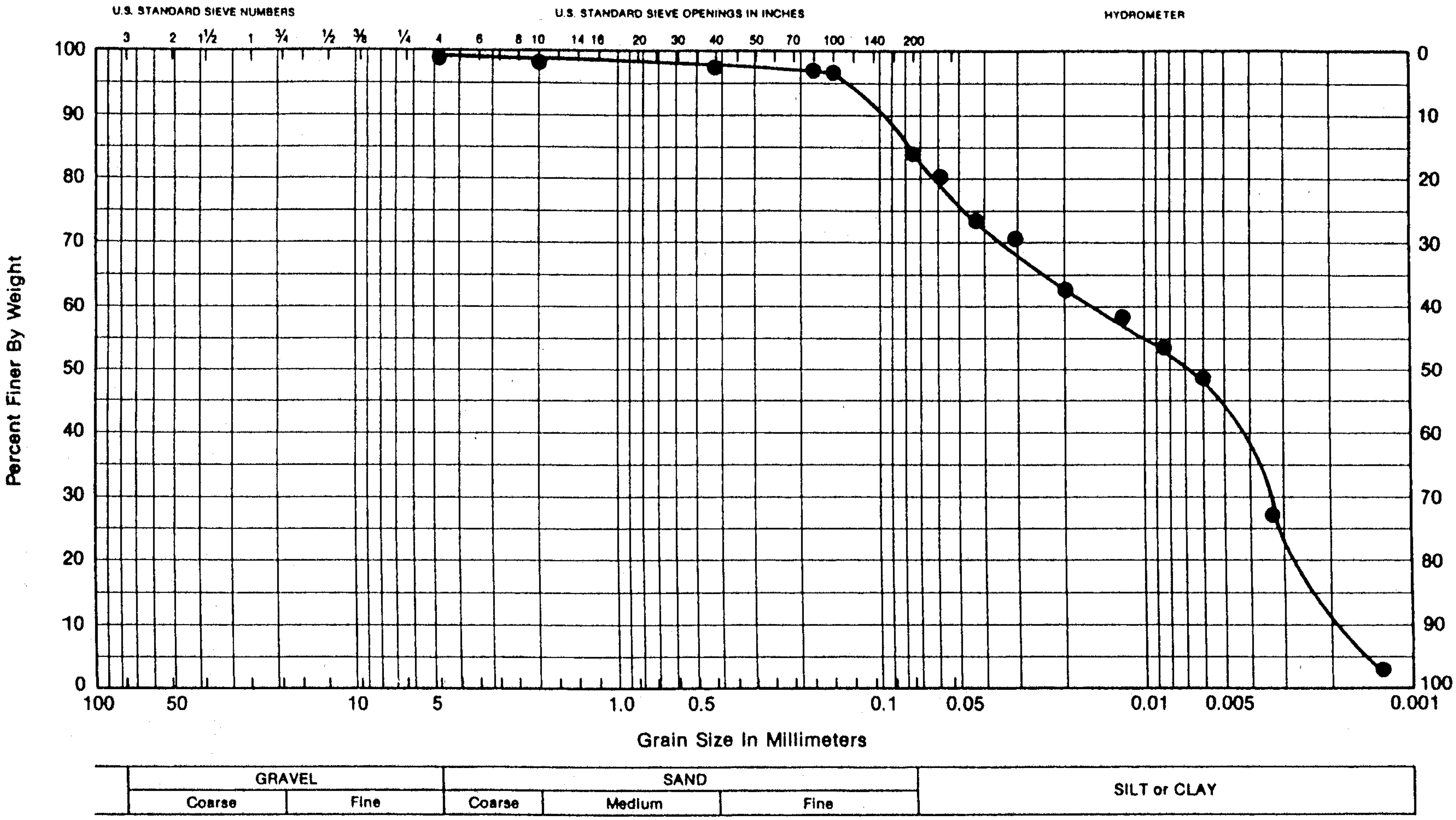
GRAIN SIZE CURVES



Description: TAN AND GRAY CLAY,
w/calcite crystals

CB-14
25 to 27 ft

SwL Project No. 90-AUS-231

SOUTHWESTERN LABORATORIES

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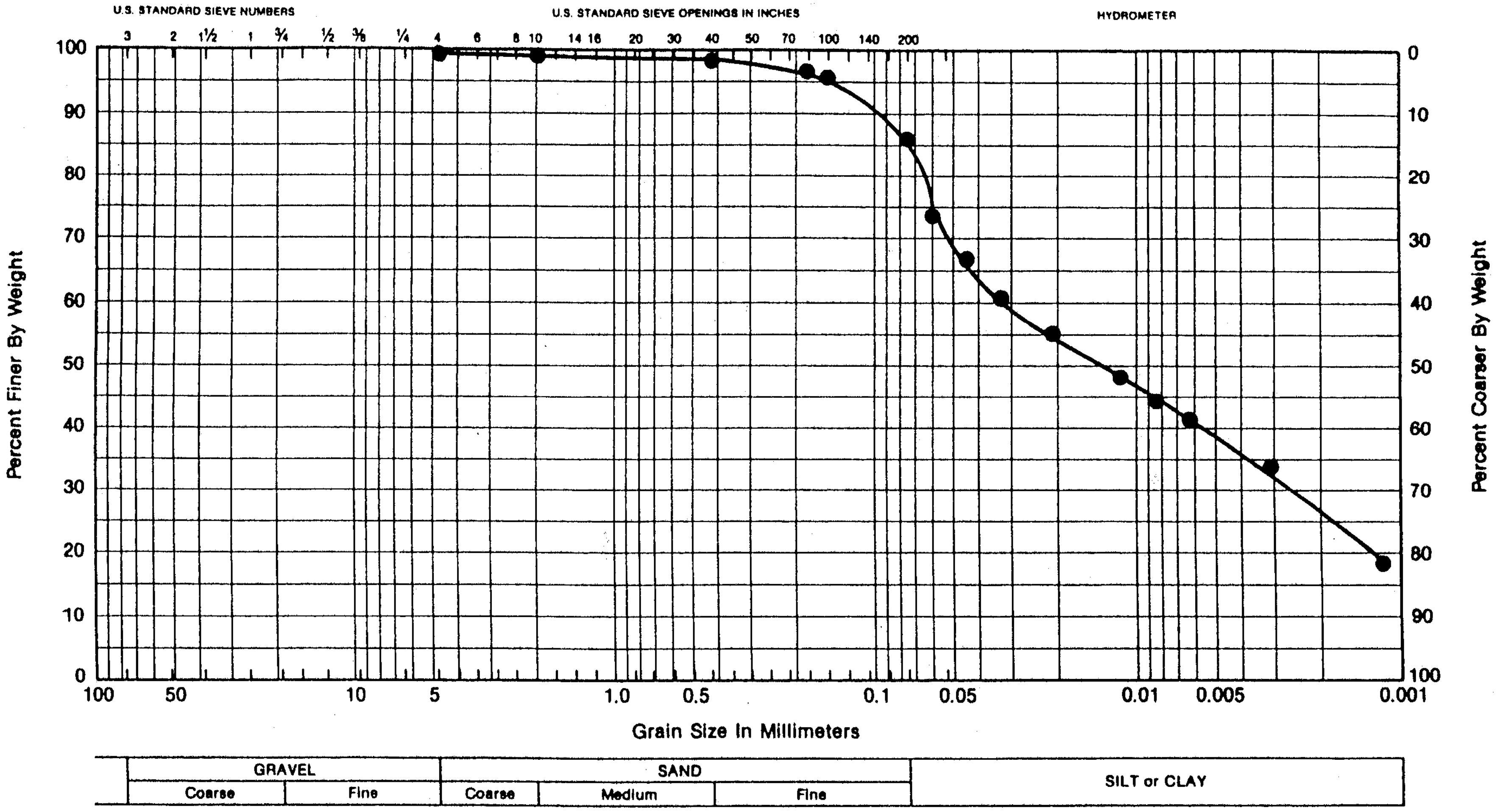
GRAIN SIZE CURVES



Description: TAN CLAY

CB-15
35 to 37 ft

SwL Project No. 90-AUS-231

SOUTHWESTERN LABORATORIES

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2053

RUST ENVIRONMENT AND INFRASTRUCTURE

NOVEMBER 1993

RESPONSE TO
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
COMMENTS ON

"COMPREHENSIVE HYDROGEOLOGIC ASSESSMENT", McBRIDE RATCLIFF AND ASSOCIATE, INC.

RUST ENVIRONMENT AND INFRASTRUCTURE
HOUSTON, TEXAS
PROJECT # 86860.100

NOVEMBER, 1993

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"COMPREHENSIVE HYDROGEOLOGIC ASSESSMENT",
McBRIDE RATCLIFF AND ASSOCIATE, INC.

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John Hall, *Chairman*
Pam Reed, *Commissioner*
Peggy Garner, *Commissioner*
Anthony Grigsby, *Executive Director*

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

January 18, 1994

Mr. Rusty Fusilier, P.E.
Site Engineer/WMTX
Austin Community LF
9708 Giles Road
Austin, TX 78754

Re: Solid Waste - Travis County
WMI/Texas Waste Systems, Inc. - MSW Permit No. 249
Hydrogeological Assessment

Dear Mr. Fusilier:

On January 11, 1994, we received by hand delivery the supplemental data to the hydrogeological assessment previously performed for the subject site. The original assessment was prepared by McBride-Ratcliff and Associates, Inc., and was dated October 1992. We responded with a number of questions in Texas Water Commission letter of March 18, 1993. The supplemental data, titled "Response to Texas Natural Resource Conservation Commission Comments on 'Comprehensive Hydrogeologic Assessment', McBride Ratcliff and Associate, Inc.," was prepared by Mr. Emmett Hudson, C.P.G., Rust Environment & Infrastructure, Inc., and was dated November 1993.

The supplemental data and text provide an excellent response to our previous questions, fully answering them. We concur fully with Mr. Hudson's conclusions.

A number of recommendations are provided, generally with respect to installation of additional piezometers and monthly measurement of water levels for a year. These measurements would preferably be coördinated with adjacent landfills. It will be important to ascertain that the same elevation datum was used for all wells in which water levels are being measured.

The new piezometers should be installed and completed ready for water-level measurement by March 31, 1994. Within 30 days of the first water-level measurement, please provide a preliminary report describing the work and including boring logs, completion details, development information if any, and the first water-level elevations from all wells measured. The report should also include a copy of the driller's report to the State for each new piezometer.

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If waste is encountered in any boring, consider moving the well location. If that is not possible, the piezometer may be completed through waste, but special care must be taken to prevent downward migration of leachate into a lower water-bearing zone.

About five working days before drilling begins, please notify Mr. Ben Milford in our Austin Regional office at 463-7803 to allow TNRCC staff an opportunity to witness some of the work.

During the sampling event scheduled for the second calendar quarter of 1994 for the site, please take samples from PZ-21 and PZ-22 and analyze them for §330.241 Table I parameters. None of the other piezometers need to be sampled at this time.

We look forward to a final report on this work and believe that it will lead to a very good and efficient monitor-well network for this site.

If you have any questions about this matter, please call me at (512) 239-6729.

Sincerely,

A. Richard Smith, Director
Ground-Water Protection Program
Municipal Solid Waste Division

ARS/mr

cc: TNRCC Region 11 Office
Mr. Emmett Hudson, CPG, Rust Environment & Infrastructure, Inc.
Nick D'Andrea
Larry Cohn

ACL - 8.5.90
1/11/94

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

A Waste Management Company

January 11, 1994

Mr. A. Richard Smith, Manager
Ground-Water Protection Section
Municipal Solid Waste Division
Texas Water Commission
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

SUBJECT: Solid Waste - Travis County
Austin Community Landfill - Permit No. 249-C
Hydrogeological Assessment (Supplemental Data)

Dear Mr. Smith:

On behalf of Austin Community Landfill (ACL), I have enclosed three copies of a supplemental hydrogeological report for Austin Community Landfill which was prepared by RUST Environment and Infrastructure. This report was prepared in response to comments on the original report which were contained in your letter dated March 18, 1993.

Please contact me at telephone number 272-9372 in Austin or Emmett Hudson with RUST at telephone number (713) 874-8977 if you have any questions or comments regarding the enclosed report.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier

Rusty Fusilier, P.E.
Environmental Engineer

RF/rf (8.5.90)
Enclosures

cc w/o enclosure: Nick D'Andrea
Larry Cohn
Emmett Hudson, RUST

(940111-1.wrf)

Printed on recycled paper

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RUST ENVIRONMENT & INFRASTRUCTURE

Formerly SEC Donohue

RUST Environment & Infrastructure Inc.
100 Glenborough, Suite 300
Houston, TX 77067
Tel. (713) 875-0004 • FAX (713) 874-8964

January 4, 1994

Mr. Rusty Fusilier, P.E.
Waste Management of North America
Austin Community Landfill
P. O. Box 4644
Austin, Texas 78761

Dear Rusty:

Enclosed please find a copy of the revised "Comprehensive Hydrogeologic Assessment", report for the Waste Management, Inc., Austin Community Landfill. The original report was prepared and submitted to the Texas Water Commission (TWC) now the Texas Natural Resource Conservation Commission (TNRCC), Ground-Water Protection Section, Municipal Solid Waste Division by McBride-Ratcliff and Associates, Inc. (MRA), dated October, 1992. A letter dated March 18, 1993 from Mr. A. Richard Smith, the TWC team leader of the Corrective Action Team for the Ground-Water Protection Section, outlines 16 comments and questions concerning deficiencies in the MRA report. Rust Environment & Infrastructure (RUST E & I) was retained by Waste Management, Inc. in August, 1993 to address these deficiencies.

The fourth paragraph of the TWC letter dealing with field permeability tests in the piezometers discusses a high value in PZ-3 and secondary features. This issue is dealt with in Section 6.3 of the revised report. In this section, the occurrence of fractures associated with selenite gypsum within the same formation on other sites is discussed. Results of a permeability test on an undisturbed sample with gypsum deposited along a fracture are given. Also the MRA report states, "18 feet of 'fill' material" was "identified directly above the unweathered claystone at PZ-1 and PZ-3." This statement is found at the end of Section 6.1 in the MRA report. The report further states the elevation of the "fill" material/unweathered claystone contact to be about 552 above mean sea level (MSL) at PZ-3. The elevation of the screen interval is 555 to 530 MSL, therefore, the possibility exists of three feet of the piezometer being screened in "fill". This could also account for the high permeability value found in PZ-3.

The efforts of RUST E & I to address the deficiencies of the report are summarized numerically on a point-by-point basis correlating to the TWC's comments as follows:

1. & 2. The effects on ground-water presence or movement on the north side of Austin Community Landfill (ACL) (BFI Landfill) or to the south (Travis County Landfill) by landfilling activities is discussed in Section 7.3.2. The effect is described as slowing and diverting ground-water movement around and in the waste cells where excavation of the more permeable material has occurred. An additional study discussed in the recommendation section of this letter is warranted to further define these effects.

3. A door-to-door and water-well file inventory was completed by RUST E & I in September and November, 1993. The results of this survey are found in Table 2 and Figure 4.

4. The locations of the seeps are shown on Figure 6. These locations are in close proximity to recommended piezometer locations PZ-22, PZ-24, PZ-19, and PZ-26 which are potential monitoring well locations as well.

5. The movement of ground water in fractures is discussed in Section 6.3 in the revision.

6. Refer to HELP Model found in Appendix C.

7. By performing a supplemental ground-water study, as recommended, the question of the effects of landfilling on ground-water flow may be better answered. It is a reasonable assumption that a comparison of the results of the MRA study and the supplemental study would give insight into the effects of such things as alteration of the site by excavation, modification of local recharge by modification of surface drainage, and leachate generation.

8. The logs of the gas-monitoring probes are now included in Appendix A, as well as the Ground-Water Monitoring Well Logs previously missing. The gas monitoring probes and ground-water monitoring wells are also discussed in the conclusions and recommendations section of this letter.

9. The installation of piezometers at proposed locations PZ-17, PZ-18, PZ-19, PZ-25, and PZ-26 to gain ground-water level data is expected to give a much greater definition of the presence of ground water near the middle part of the southern boundary of the site. Waste is believed to be continuous here across the boundary which separates ACL and the closed Travis County Landfill to the south.

10. The cross sections on Figure 8 have been redrawn. Several erroneous elevations have been corrected and incorporated into the drawing. The logs for X-13 and X-14 were located during the file review and are found in Appendix D. The borehole information for X-9 and X-7 were used as data points between MW-1A and PZ-5.

11. It is assumed figure 9 was constructed by MRA using a geologic map such as Figure 6 and adding elevations to the top of the unweathered claystone. Contours were then inferred. This highly generalized view of the unweathered claystone surface contains a lack of data points. Rust E & I constructed a contour map based on 31 drilled data points. Figure 9a and 9b replace the MRA Figure 9 in the report. Figure 9 has been archived at the end of Appendix E.

12. Corrections were made to Figure 8 using the correct elevations for the unweathered claystone contact and the correct surface and depth elevation for the monitoring wells. Figure 9 was reconstructed using a different set of data points explained in Section 7.1.

13. Figure 10 has been corrected to show MW-3 and MW-6 as not being completed in or through waste.

14. The ground-water elevations contained in the table found in Appendix B contained anomalous values. A discussion of the ground-water levels is included in Section 6.2 as part of the report revisions. Also an important part of the recommendations include obtaining additional monthly ground-water levels from the proposed additional piezometers for one year.

15. The revised Figure 13 depicts approximate trench locations of the old drum- disposal area. This information was taken from a map prepared by Metropolitan Aerial Surveys, Ft. Worth, Texas compiled from aerial photography flown 7-17-88.

Upon reviewing and revising the MRA "Comprehensive Hydrogeologic Assessment Austin Community Landfill, Austin, Texas" Rust Environment and Infrastructure has the following conclusions and recommendations:

1. The landfill gas monitoring probe construction details and boring logs missing from the MRA report were reviewed by RUST E & I and included in the revised report (Appendix A). RUST E & I concludes that these gas probes should not be utilized to obtain ground-water level data. The gas probes are designed to monitor landfill gas and are screened to within three or four feet of the surface. This type of construction works well for landfill gas monitoring but leaves the probe very susceptible to recharge from surface infiltration yielding questionable data. There also exist inconsistences in the constructed depths of the probes relative to the stratigraphy. The soil borehole log forms indicate that of the 16 gas monitoring probes only 4 were drilled to the unweathered claystone surface (P-6A, P-9, P-11, P-12). It is possible the probes not drilled to the claystone surface are missing an important ground-water zone. For these reasons it is recommended that the landfill gas monitoring probes P-1 through P-15 not be used for obtaining ground-water level data.

2. The monitoring well construction detail logs and soil borehole sample descriptions for the existing logs are included in the revised Hydrogeologic Assessment Report in Appendix A. These logs reveal installation standards and procedures no longer acceptable by the TNRCC or Waste Management Inc. Monitoring Well MW-1A, according to the log has a filter pack extending 10 feet above the well screen. Monitoring Wells 2A, 3, 4, and 5 have filter packs of 15 feet, 20 feet, 30 feet and 31

feet respectively above the screen. A log for MW-6 was not available. Current TNRCC regulations (Chapter 330.242) state the filter pack "shall extend from one to four feet above the top of the screen". These wells are susceptible to monitoring the whole interval of the filter pack length in some cases to within 10 feet of the surface. Like the gas monitoring probes a condition exists in which the ground-water monitoring wells are susceptible to recharge by surface and near-surface infiltration. The possibility of the creation of a migration pathway from the surface to lower zones also exists.

It is possible that rainwater or other fluids from the surface could move through surface desiccation cracks and soil downward through the fractured clay to the filter pack. It is also conceivable the longer filter pack may act as a downward migration pathway to the screened target monitoring zone. With the exception of the potential of infiltration of surface water, these wells may have served well the function of monitoring the ground-water chemistry in the past, but the use of these monitoring wells for the collection of ground-water level data is discouraged. It is recommended that a piezometer be installed adjacent to and corresponding to each of the six existing monitoring wells for the purpose of obtaining ground-water level data at these six locations (PZ-15, PZ-16, PZ-20, PZ-21, PZ-25, PZ-26). It is further recommended that these six piezometers be completed to TNRCC monitoring well standards.This is recommended so that the piezometers may be converted to monitoring wells if the data obtained from them, in the year long study, confirms these locations are appropriate to serve as monitoring points. As future monitoring wells these points would not be as prone to contamination from the surface and would provide more reliable ground-water level data which is needed to further define the ground-water flow gradient at the ACL site.

3. The MRA report proposed the installation of 5 additional ground-water monitoring wells: MW-11, MW-12, MW-13, MW-14, and MW-15 (Figure 13). It is the opinion of RUST E & I the monitoring well locations recommended by MRA are appropriate preliminary piezometer locations (PZ-17, PZ-18, PZ-22, PZ-23, & PZ-24 from which to obtain ground-water level data. The validity of these locations is based on the location of the pre-landfill surface drainage valleys, the surface of the unweathered claystone, existing site topography, and the apparent general ground-water gradients of the sites to the north and south. As with the above mentioned piezometers associated with the six existing monitoring wells, these five piezometers should also be completed to TNRCC monitoring well standards to be converted to monitoring wells if the data they generate confirms this as an apprpriate measure. A refinement of the conceptual model of the ground-water gradient based on data obtained from these installations may indicate the need for additional monitoring points in the future. The piezometer at the proposed MW-12 location would monitor ground-water believed to be migrating from the closed Travis County Landfill site and entering the ACL property. The piezometer near the proposed MW-11 location would monitor

groundwater believed to be flowing from the ACL site south toward the Travis County Landfill. The piezometers to be installed near the proposed monitoring wells MW-14 and MW-15, along with the piezometer to be installed near existing MW-5 would be expected to monitor groundwater apparently migrating from the northwest (Figure 10) where the BFI Landfill is located. The piezometer to be installed near proposed monitoring well MW-13 would serve to monitor flow migrating toward the northwest and the BFI property. These piezometers would be expected to provide ground-water level data to further define and characterize the ground-water conditions at the ACL site.

4. In addition to the six piezometers to be installed at the existing monitoring well locations and the five piezometers to be installed at the proposed monitoring well locations, it is recommended that 10 additional piezometers, not associated with existing or proposed monitoring points, be installed at the ACL facility. It is recommended that these piezometers be installed as follows: Three sets will be nested (PZ-6 & PZ-7, PZ-10 & PZ-11, and PZ-13 & PZ-14) with one piezometer installed in the weathered material immediately above the unweathered/weathered boundry and one piezometer screened completely within the unweathered less permeable claystone. Three single piezometers (PZ-8, PZ-9, & PZ-12) will be screened in the weathered material immediately above the unweathered claystone surface. The remaining single piezometer, PZ-19, will be screened completely within the unweathered claystone. The data obtained from these piezometers and all of the proposed piezometers will be used to address the deficiencies in the existing ground-water level data base and facilitate the confirmation and refinement of the conceptual hydrogeologic model for the ACL site. It is recommended these proposed piezometers be located in areas where landfilling has not occurred and where little or no ground-water level data exists. The recommended piezometer locations are general (Figure 14). Exact locations of the piezometers should be determined in the field based on available areas where excavation and landfilling has not occured. The piezometers screened within the unweathered claystone, which is believed to control ground-water flow, would verify the absence or presence of water in this unit at these locations.

5. It is further recommended that upon installation of the above mentioned ground-water data points a monthly ground-water level measurement program be established for one year. It is suggested the measurements be coordinated with water level measurements occurring at the BFI and Travis County sites. If this is not possible, permission should be obtained to take simultaneous measurements of at least the points near the boundaries common with ACL and the two adjacent sites. Stringent water level measurements should be made from the top of each well casing and within approximately one hour of each other. The individual performing the measurements should have construction detail logs available in the field to check and correct the data for possible errors at the time of measurement. This will, hopefully, prevent such anomalies as found in previous recorded water levels.

After this one year period, water level and climatic data should be analyzed and ground-water monitoring requirements reassessed. At this time a revised stratigraphic cross-section map (Figure 8) and a revised site ground-water conditions map (Figure 10) should be constructed if necessary. These maps should provide a greater definition of the ground-water potentiometric surface and gradient.

The revisions to the report and the recommendations and conclusions only address deficiencies in the MRA assessement of the 230 acre tract refered to as Austin Community Landfill. However, a Part A Application Permit Ammendment and Site Development Plan for a 74-acre expansion tract has been submitted to the TNRCC for the Austin Community Landfill. A field investigation program of this property which is located adjacent to the current landfill western boundry, was conducted resulting in the installation of seven piezometers. It is recommended that ground-water level measurements be taken from the seven piezometers installed on the expansion property coinciding with data collection at the ACL and that this data be incorporated into the ground-water study conducted at the ACL. All future reports and figures should include this expansion area in order to obtain a comprhensive assessement of ground-water conditions for all the ACL property. Additional future investigations may be neccessary on both tracts based on information obtained from the proposed data points.

In summary, it is believed the claystones and marls of the Taylor Group present an environment in which interpretation of ground-water conditions in these units must be used with caution as its occurrence can be quite variable both spatially and with time, and may be greatly influenced by the presence of fractures. It is believed the above recommendations will yield a more precise definition of the hydrogeologic conditions existing at the ACL site.

This information will be useful in assessing current and future ground-water monitoring needs. It will be useful in addressing potential ground-water issues concerning the ACL site in relation to the closed Travis County Landfill and the active BFI Landfill. The new data may provide a greater understanding of the effects of landfilling activities at these sites and the possible effect of leachate on the groundwater. This information will be helpful in future planning efforts such as the proposed expansion area development and should be coordinated with these efforts.

RUST Environment and Infrastructure appreciates the opportunity to assist in the ACL Hydrogeologic Assessment Report Amendment. If you have any questions about the revisions and recommendations, please call me at (713) 874-8977.

Sincerely,

Emmett C. Hudson

Emmett C. Hudson, C.P.G.
Project Manager

ECH/rg

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2065

John Hall, Chairman
Pam Reed, Commissioner
Peggy Garner, Commissioner

MAR 22 1993

TEXAS WATER COMMISSION

PROTECTING TEXANS' HEALTH AND SAFETY BY PREVENTING AND REDUCING POLLUTION

March 18, 1993

Mr. Larry Cohn, P.E.
Environmental Engineering Manager
Waste Management of North America - South Group
1320 Greenway Drive, Suite 1000
Irving, Texas 75038

Re: Solid Waste - Travis County
WMI/Texas Waste Systems, Inc. - Permit No. 249
Ground-Water Characterization

Dear Mr. Cohn:

On November 2, 1992, we received the "Comprehensive Hydrogeologic Assessment" for the subject site. It was prepared by McBride-Ratcliff and Associates, Inc., and was dated October 1992. The report summarizes a voluntary investigation of the ground water at the site by Waste Management. Rainfall data for January 1991 through June 1992 were provided by letter of March 9, 1993.

The report provides a good description of the site geology and hydrogeology, confirming that most of the ground water is perched in the weathered claystone on its fairly sharp contact with the unweathered claystone. Ground-water movement is indicated to be to the northeast on the east part of the site and to the southwest on the north part. Some ground water is shown to move to the northwest from the southern part of the site. Much of the ground-water movement appears to be guided by the contact between the weathered and unweathered claystone, which generally mimics pre-landfill topography.

As part of the investigation, water levels were measured in the six existing monitoring wells, in eight gas-monitoring probes, and in five new piezometers. Measurements were for the period January 16, 1991, through June 10, 1992.

Field permeability (falling-head) tests in the five new piezometers provided permeability values ranging from $1x10^{-6}$ to $1x10^{-3}$ cm/sec in the weathered claystone. The high value, in PZ-3, was attributed to "secondary features identified at the weathered/unweathered claystone contact"; the boring log only indicates the presence of selenite gypsum in this zone, similar to the logs of the other piezometer borings.

Technically Complete
2066

P.O. Box 13087 • 1700 North Congress Avenue • Austin, Texas 78711-3087 • 512/463-7830

Based on the interpretation of the data, McBride-Ratcliff recommended five additional monitoring wells screened down to the base of the weathered claystone. This would provide 11 monitoring wells with spacing ranging from 670 to 1550 feet. Existing wells MW-3 and MW-6 are not on the permit boundary and are accordingly not compliance wells.

Based on our review of the data and conclusions, we have the following comments and questions:

1. The investigation apparently did not consider the effects on ground-water presence or movement of landfilling activities on the north side by Browning-Ferris or the closed Travis County landfill on the south side.

2. The report does not describe the effects on ground-water presence or movement by landfilled areas on site, except briefly on p.16 and schematically on the cross-sections and plans on Figures 8 and 12.

3. Water wells in the vicinity of the site are shown on Figure 4 and tabulated in Table 2. It is not clear whether these wells represent a search only of Texas Water Commission (TWC) files or were the results of a door-to-door inventory. We have found that the "located" wells in the TWC files are typically fewer than half of the existing water wells in an area.

4. The text contains a reference (p. 8) to seeps in truncated streams; the locations of the these seeps is not shown. They might indicate suitable monitoring sites.

5. In calculating hydraulic parameters, averaged values (that is, borehole field permeabilities) were used. These do not appear to take into account the fact that movement of ground water in the fractures themselves is likely to be much faster than through the unfractured claystone, whether weathered or unweathered.

6. The discussion of leachate generation based on water-balance calculations appears to be of little value because the assumptions are not realistic.

7. We agree with the statement (p. 17) that ground-water flow is controlled by the surface of the unweathered claystone strata. Such a statement does not take into account any alterations of the site by excavation, the modification of local recharge by modification of surface drainages, precipitation moving into the waste where cover is thin or desiccation-cracked, and the generation of leachate by waste itself.

8. The rationale for selecting gas-monitoring wells for use in measuring water levels was not given. No data about the gas-monitoring wells used were provided (boring logs, completion details, depths, etc.) in the report.

9. Waste appears to be continuous across the middle part of the boundary between the subject site and the closed Travis County landfill to the south. The presence of ground water and/or leachate from this area, or affected by this area, is not adequately described or defined.

10. Cross-sections on Figure 8 show X-13 and X-14 as wells with geologic data. These are not described in text. The cross-sections omit any data from P-11 and P-14, which appear to be on the lines of the sections.

11. The map showing the contact between the weathered and unweathered claystone (Figure 9) appears to use more data than are shown as data points. Were additional borings used but not shown? The data points shown do not all match wells shown on Figure 7.

12. The elevations of the contact shown on Figure 9 appear to differ considerably between the cross-sections and this map. Among others, MW-2A is elevation 570 on the map versus 585 on the cross-section; PZ-1 is 552 on the map and log and 542 on the cross-section; and PZ-4 is 586 on the map, 596 on the log, and 598 on the cross-section. Such apparently small differences may make large differences in mapping low-gradient ground-water flow regimes.

13. MW-3 and MW-6 are shown on Figure 10 as being in landfilled areas. Are they, in fact, completed in or through waste?

14. The ground-water elevations shown in the table in Appendix B appear to have some anomalous values, which are not explained in the text. For example, the water level of 637.55 for P-7 on 3/13/91 is 26 feet above all the other reported levels (and apparently about 2.5 feet below surface); similarly, the water level of 602.49 for P-15 on the same date is substantially below all the others for that well. The water-level elevation for P-7 is reported to be lower than the bottom of the screen for three measurement events. Few screen elevations are given for the gas-monitoring wells. A number of the wells are shown as not having been measured on some dates, but no explanation is given for these omissions.

15. Rainfall data are not compared to the water-level data, and no discussion was provided of the relation of the water-level data to, for example, the rapidity of recharge for different parts of the site. Some of the hydrographs show substantial variation over the period and some much less, but no explanation is given. Based on a cursory comparison of water levels and rainfall, it appears that gas-monitoring wells at the higher elevations in an area generally have the greatest variability over time and the most rapid response to rainfall events (e.g., P-8, P-14). Wells that have the lowest screen elevation in an area generally appear to have the least variability over time (e.g., P-7, PZ-1, PZ-5) and a considerable lag in response to rainfall (e.g., MW-3, MW-4, PZ-1, PZ-2, PZ-5).

16. Finally, no specific information is provided about the old drum-disposal area. Its exact location and information on depth and orientation of trenches might be important in determining the location of suitable monitoring wells that would be specifically sited to monitor that area.

We hope that you will review the comments above and provide a timely response to them. Specifically, we would like to receive construction details for the gas-monitoring probes used for water-level measurements and revised maps and cross-sections with corrected elevations for the contact between the weathered and unweathered claystone. We will be happy to meet with you at your earliest convenience to share conclusions and hypotheses about this site and to discuss the report and the installation of needed additional monitoring wells.

Recent indications of ground-water contamination in the BFI monitoring well nearest the north corner of the subject site, distant from any landfill activities by BFI but very near to some on this site, suggests that prompt action is needed in your review.

If you have any questions or comments about this matter, please call me at (512) 908-6729.

Sincerely,

A. Richard Smith
Team Leader
Corrective Action Team
Ground-Water Protection Section
Municipal Solid Waste Division

ARS/mr

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cc: TWC District 14 Office
Austin-Travis County Health Department
Mr. Rusty Fusilier, P.E., Waste Management of North America
McBride-Ratcliff and Associates, Inc.

RESPONSE TO
TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
COMMENTS ON

"COMPREHENSIVE HYDROGEOLOGIC ASSESSMENT", McBRIDE RATCLIFF AND ASSOCIATE, INC.

RUST ENVIRONMENT AND INFRASTRUCTURE
HOUSTON, TEXAS
PROJECT # 86860.100

NOVEMBER, 1993

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SECTION 1

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1.0 INTRODUCTION

McBride-Ratcliff and Associates, Inc., (MRA) was retained by Waste Management of Texas, Inc., (WMTX) to perform a comprehensive hydrogeologic investigation for the pre-expansion portion of the Austin Community Type I Municipal Landfill (ACL). The soil borings and piezometer installation began in April of 1990. The investigation report submitted to the Texas Water Commission (TWC), now the Texas Natural Resource Conservation Commission (TNRCC) was dated October 1992.

The hydrogeologic study was composed of 5 tasks: (1) a literature review and site review; (2) field exploration; (3) laboratory testing; (4) ground-water level observations and data analysis; and (5) final report.

1.1 Project Site Location

The pre-expansion ACL site is composed of 230 acres of existing permitted area located in Travis County, Texas. As shown on Figure 1, the site is located north of Highway 290 about 1,000 feet. The site is bounded by Giles Road to the east, the existing Browning Ferris Industries (BFI) Landfill to the north, a closed landfill to the south, and undeveloped properties to the west (including a WMTX 74-acre permitted expansion tract).

1.2 Scope of Work

The comprehensive hydrogeologic study conducted by MRA was composed of five tasks. These five tasks comprise the scope of work for this project. A description of each task is presented below.

Task 1 - Literature Review, Pertinent File Data Review, Site Reconnaissance, and Personnel Interview. The work of Task 1 included the following elements:

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1. The literature review phase of the program consisted of assembling file information from WMTX supplemented by information from the Bureau of Economic Geology, the Texas Water Development Board and the Texas Department of Water Resources. The WMTX data consisted of geotechnical reports, hydrological evaluations, annual resistivity reports, ground-water monitoring data, soil liner information and an engineering report.

2. Perform a review of existing reports for ACL from the following consultants: Pittman Engineering, Jack Holt and Associates (J H & A), McBride-Ratcliff and Associates, Inc. (MRA), Trinity Engineering and Testing, Cook-Joyce, Inc., Underground Resource Management (URM), and Southwestern Laboratories.

3. Perform a site reconnaissance and an interview with the site operator to develop an understanding of site hydrogeological and geological conditions. The site reconnaissance and interview addressed the following topics.

    - History of the landfill including policies, liner material, previous land use, and any problems the site had undergone

    - Stratigraphic units indigenous to the landfill site

    - Seepage and leachate collection locations

    - Hydrological units in particular concentrating on their potential to transmit fluid through fractures, joints and/or pore spaces

4. Analyze the collected data to characterize water quality, aquifer information and site water balance.

<u>Task 2 - Field Exploration</u>. This task of work consisted of the drilling, sampling, and installation of piezometers at five locations selected at the site. Each boring was

completed at least five feet into the unweathered claystone. Once the static water level had been identified, field permeability tests were performed at each piezometer location.

Task 3 - Laboratory Testing. Laboratory tests were assigned to selected samples. The samples were tested for Atterberg limits, moisture content, and back pressure saturated permeability tests.

Task 4 - Data Analysis. The data obtained during Tasks 1, 2, 3, and long term ground-water level observations were evaluated to identify hydrogeologic parameters such as permeability and transmissivity. This information was further evaluated to identify ground-water gradient flow direction, and characteristics.

Task 5 - Preparation of Final Report. The final report presents the overall geology and hydrogeology of the site. The report used data developed during the Phase I study and, where applicable, the data has been refined to develop a plan for future ground-water monitoring at the site.

SECTION 2

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2.0 REGIONAL SETTING

The regional setting sets the base for the understanding of the site setting. Regional geologic and hydrogeologic conditions are presented in this section. Addressed in the following paragraphs are regional physiography, regional geology, regional hydrogeology, aquifer properties, water usage, and wells in the site vicinity.

2.1 Regional Physiography

The ACL site is located in Travis County, Texas. The regional physiographic provinces are divided by the Balcones Fault Zone which passes through the center of Travis County from northeast to southwest. The surface trend of the Balcones Fault Zone is approximately parallel to the strike of the geological units. The fault system is about six to eight miles wide. No movement has occurred along the fault zone since Pliocene time, five to 1.8 million years ago (Davis, et al, 1989).

The Balcones Fault Zone divides Travis County into two physiographic provinces: the Gulf Coastal Plain to the east and the Great Plains to the west. Travis County has been further divided into three subphysiographic regions. These regions, shown on Figure 2, are the Edwards Plateau, the Rolling Prairie, and the Blackland Prairie. The landfill is positioned within the Blackland Prairie Belt. The Edwards Plateau is on the eastern edge of the Great Plains. The Blackland Prairie is on the western edge of the Gulf Coastal Plain.

The topographic relief decreases from west to east across Travis County. The western side of Travis County contains the Hill Country, which is part of the Edwards Plateau. The Rolling Prairie is east of the Edwards Plateau and consists of gently rolling slopes. The Balcones Fault Zone traverses the western edge of the Rolling Prairie and separates the Edwards Plateau from the Blackland Prairie. The Blackland Prairie is east of the Rolling Prairie. It is on the eastern edge of Travis County and is relatively flat with grasslands and scattered mesquites.

2.2 Regional Geology

Cretaceous aged sediments crop out in the site vicinity. The Cretaceous system is divided into two series, the Comanchean and the Gulfian. The Comanchean series is older and consist of three groups: the Trinity, the Fredricksburg, and the Washita. These groups are ordered from oldest to youngest respectively. Each group is comprised of several geologic formations. The surface outcrop of the Comanchean series is west of the Balcones Fault System. The younger Gulfian series consists of four groups. These are the Eagle Ford, the Austin, the Taylor, and the Navarro, listed in order of decreasing age. The Gulfian series outcrop is located east of the Balcones Fault Zone. Table 1 shows a stratigraphic column of geologic formations and aquifers in Travis County, Texas.

The Tertiary System consists of the Midway Group which is from the Eocene epoch thought to cover the span of time between 54 to 40 millon years ago. The Tertiary System outcrops east of the site. Alluvial deposits of Quaternary age, up to 2 million years old, are the youngest regional deposits. The alluvial sediments contain floodplain and terrace deposits which occur along streams that flow into the Colorado River.

Figure 3 shows a generalized cross-section of the geological groups in the Austin area.

2.3 Regional Hydrogeology

Surface water is used for domestic purposes more frequently than ground water in the Austin area. Where ground water is used instead of surface water in the Austin area it generally comes from an aquifer of Cretaceous age. Some ground water is obtained from Quaternary alluvium deposits. The most important aquifers in and around Austin, Texas are the Comanchean Edwards Formation, the Trinity Group Formations, and Quaternary alluvial deposits. The Cretaceous Gulfian, Austin, Taylor, and Navarro Groups supply only a small percentage of ground water which is available from shallow low capacity wells in localized areas.

The regional subsurface aquifers have been disrupted by faulting within the Balcones Fault Zone. Flow rates vary laterally within each aquifer as the stratigraphy composing the aquifer is displaced by the fault(s). The eastern limit of the fault zone is located about three miles northwest of the site.

The following is a discussion of the regional aquifers. The data provided herein was primarily obtained from Brune et. al., 1983, unless noted.

Trinity Group. The Trinity Group is one of the most important aquifers in Travis County. As shown on Table 1, the Trinity Group Aquifer has been divided into the lower, middle, and upper Trinity units.

The lower Trinity varies in thickness across Travis County. It is only a few feet thick in the northwestern corner of the county and approximately 1,000 feet thick in the southeastern section of the county. The main constituents of the lower Trinity are limestone and sand. The middle Trinity is not as thick as the lower Trinity. The thickness of the middle Trinity varies from about 300 feet to 450 feet from northwest to southeast across the county. The main constituents of the middle Trinity are limestone and marl. The upper Trinity is also thickest in the southeastern part of the county, about 600 feet thick, and thinnest in the northwest, about 230 feet thick. The upper Trinity contains some sand, as well as, limestone and marl.

The lower Trinity aquifer underlies the site at approximately 3,100 feet depth. The stratigraphic units composing the Trinity Aquifer have been displaced by geologic movements along faults of the Balcones Fault System. Due to displacement of the stratigraphic units, lateral ground-water flow toward the ACL is restricted. This restriction has created barriers to ground-water flow which tend to cause dissolved solids concentrations to exceed 1,000-3,000 mg/l.

Edwards Limestone. As shown on Table 1, the Edwards aquifer is contained mostly within the Del Rio, Georgetown, Edwards and Comanche Peak Formations. The aquifer's most prolific area of production is west of the Balcones Fault Zone. East of the fault zone, the aquifer's water has a high mineral content and is saline.

The Edwards Limestone lies above the Trinity Group. This unit and associated limestones are the primary aquifers which supply water to Travis County. The thickness of these limestones varies from 250 feet to 450 feet.

The top of the Edwards Limestone underlies the site at about elevation-655 feet or about 1300 feet beneath the ground surface. The ground water of the Edwards Aquifer is considered non-potable east of the Balcones Fault Zone. Dissolved solid concentrations observed in these waters have exceeded 1,000 mg/l to 3,000 mg/l. Lateral flow of the Edwards Aquifer ground water has been restricted by movement along faults of the Balcones Fault System. It is speculated that the decreased velocity of lateral flow is a cause of the increase in dissolved solid concentrations.

Austin Chalk. The Austin Chalk is situated above the Edwards Limestone. The Austin Chalk varies in thickness from 300 feet to 500 feet, thickening toward the east. The Austin Chalk Formation contains marine-shelf deposits of chalk, marl, and limestone and yields relatively small quantities of water. The Austin Chalk aquifer lies at a depth of 400 feet below the site where the aquifer is considered non-potable.

Taylor and Navarro Groups. The members which compose these two groups are primarily considered non-water bearing. But localized geologic conditions have created zones within the formations where some water has been identified. The ACL site is situated on soils of the Taylor Group (Bergstrom, Pecan Gap, and Sprinkle members). Minor amounts of water have been reported as being used in the shallow zones of the Taylor and Navarro members in the study area. It is our interpretation that surficial weathered zones of soil overlie the competent claystone stratigraphy of the Taylor group members. The higher concentrations of ground water are situated in the more permeable weathered strata.

Quaternary Alluvium. The Quaternary alluvium deposits consist of gravel, clay, silt and sand. The stratum is of Pleistocene age and is thickest adjacent to the Colorado River. These terrace and channel deposits yield small to large quantities of water. The water is fresh to slightly saline. Alluvium of the Colorado River is not present at the site; however, alluvium from Walnut Creek is a possible source of potable water in the site vicinity.

2.4 Aquifer Properties and Water Usage

The waters of the Trinity, Edwards and Austin aquifers are reported as being non-potable beneath the ACL site. Restriction of lateral ground-water flow, by geologic movement of faults associated with the Balcones Fault System, is interpreted to have resulted in high concentrations of dissolved solids in the ground waters of the aquifers east of the Balcones Fault System.

2.5 Wells in the Site Vicinity

Figure 4 shows the locations of twelve water wells in the site vicinity. Table 2 lists data about each well. The majority of these wells are shallow and of large diameter. Some are supported by cisterns.

Five wells are reported to be completed in the Taylor sediments while five have been completed in the Navarro/Taylor sediments, described as alluvium by some authors. Information could not be obtained for one well, 43-301, concerning the formation the well was completed in. One deep well was found, 58-44-1, which the records indicate was drilled for Provident Development. The well is located approximately 1.2 miles north of the site, is 1,178 feet deep, and is used for irrigation purposes. The habitations associated with well locations 43-305 and 44-102 appeared to have been abandoned for some time. The 43-306 well location property had only livestock shelters on it.

Conversations with City of Austin Water Department personnel revealed that the city water supply is from Town Lake and Lake Austin. No water extraction wells are in use.

The City of Pflugerville obtains municipal water from water wells located on the west boundary of the Balcones Fault Zone. Well depths vary from 535 feet to 200 feet. Wells drilled east of the city were either dry or contained high concentrations of dissolved solids, thus making these wells unusable for public consumption.

The City of Manor obtains municipal water from three wells located five to six miles southeast of Manor in Weberville, Texas. The three wells are screened in alluvium along the Colorado River. The water is pumped to a water purification plant for treatment before distribution.

SECTION 3

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3.0 SITE SETTING

Site physiography, site topography and drainage, and site stratigraphy make up the elements of the site setting discussion. The purpose of this section is to relate site-specific data to the regional setting.

3.1 Site Physiography

The site is located in the Blackland Prairie physiographic region. The Blackland Prairie is a somewhat dissected area east of the Balcones Fault Zone. East of the fault zone, clay rock types are extensive. The Blackland Prairie is characterized by grasslands with scattered mesquites. the surficial soils are dark, thick and consist of calcareous clays.

3.2 Site Topography and Drainage

The surface drainage in the site area is toward both the Walnut Creek and the Gilleland Creek drainage water sheds. Drainage features of the site are erosional valleys which generally transport surface water and ground water toward the southwestern and northeast portions of the site. The site will be discussed in the following paragraphs with respect to pre-landfill and current topography.

3.2.1 Pre-landfill Topography and Drainage

The natural topography of the ACL site consisted of a series of gently rolling hills interspersed with erosional valleys. Intermittent flow ran through some of the valleys. The natural topography of the site vicinity is illustrated in Figure 4. The hills were at an elevation of 650 feet to 660 feet. Intermittent streams were at elevations of 600 feet to 570 feet. As shown on Figure 4, the site is traversed by a regional drainage divide. Surface drainage of the site west of the divide is toward the southwest toward Walnut Creek. Surface drainage of the site east of the divide is toward the northeast to Gilleland Creek.

The pre-landfill site was drained by three erosional valleys. The main valley of the drainage system bisects the site on a northeast to southwest trend. Two tributaries join the main valley near the southern boundary of the site. This system eventually drains into Walnut Creek.

3.2.2 Current Topography and Drainage

The construction of ACL has altered the surface topography as shown on Figure 5. Figure 5 was constructed based on aerial mapping constructed on June 1989. The topography represented in this figure consists of a series of man-made topographic highs. The slopes which lead into the natural erosional valleys are banked more steeply that they were before the landfill operation began. Certain areas have been leveled.

Stream beds have been raised in elevation and some of the streams have been truncated resulting in seepage of ground water in certain areas as shown on Figure 6.

Figures E-1 and E-2 found in Appendix E represent surface topography for the years 1992 and 1993. The topographic highs in E-1 appear to have approximately the same elevation as in Figure 5. The topographic high at the west end of the site appears to have contour changes in its northeastern corner. The area to the east of this high in the upper half of the landfill, is currently an active excavation area as evidenced by lower elevation contours found there. The truncation areas appear to have remained relatively unchanged.

3.3 Site Stratigraphy

The site is underlain by claystones and marls of the Taylor Group (Cretaceous System). The members in the Taylor represent an attempt to designate different lithologic facies by individual names. The Sprinkle, Pecan Gap Chalk, and the Bergstrom are such members of the Taylor Group. These members crop out at the site as illustrated on Figure 6. The units dip in a southeastern direction across the site and strike northeast to southeast, parallel to the Balcones Fault Zone.

Sprinkle Member. The Sprinkle member is a bluish-gray montmorillonite claystone. The weathered Sprinkle member is tan, highly plastic, and contains abundant omni-directional slickensides. The unweathered Sprinkle contains occasional fractures, some of which contain gypsum.

Pecan Gap Chalk. The Pecan Gap Chalk is a chalk which grades upward into a chalky marl. The Pecan Gap Chalk is less plastic and more competent; therefore, the regional joint sets are preserved. The joints are oriented north to south and northeast to southwest.

Bergstrom Member. The Bergstrom member is typically characterized as a clay unit. The Bergstrom has been identified at the site as a plastic tan residual clay soil.

SECTION 4

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4.0 FIELD EXPLORATION

Site characterization for purposes of this report was obtained through the MRA field exploration program. The initial field effort took place in April and May of 1990. Figure 7 presents the site layout and plan of borings. The field exploration program included geotechnical boreholes, piezometer installations, and field permeability testing.

Additional site data obtained by an investigation conducted by Jack Holt & Associates (J H & A) July, August, and September 1980 has been added to the original report. This investigation consisted of 31 geotechnical boreholes, the majority of which were completed into the unweathered claystone. The logs of these boreholes are found at the end of Appendix A. Laboratory results including moisture content, dry density, atterberg limits, permeabilities, and sieve analysis are found in Table 3. A map of the J H & A borehole locations is depicted as Figure 9a. Figure 9b represents a subsurface contour map of the top of the unweathered claystone. This figure was constructed from the J H & A borehole logs.

The following sections present the MRA field exploration program.

4.1 Geotechnical Boreholes

The five MRA geotechnical boreholes were drilled at locations shown on Figure 7. The borehole locations are designated as PZ-1 through PZ-5.

The boreholes were advanced using dry hollow stem auger drilling methods. Soil samples were obtained at 2 feet intervals continuously to completion depth. The drilling program was designated to terminate each borehole five feet into unweathered material. All samples were visually classified by a MRA project geologist and prepared for shipment to the laboratory for testing. The log of borings are included in Appendix A.

4.2 Piezometer Installations

Piezometers were installed in each geotechnical borehole. The locations of the piezometers are shown on Figure 7. Installation detail reports are included in Appendix A following each respective log of borings. Hand bailers were used to develop each piezometer. Static ground-water levels were established within 24 to 48 hours.

4.3 Field Testing

During the MRA field testing phase, static water level measurements were obtained within all piezometers, selected gas monitoring probes, and ground-water monitoring wells. In-situ field permeability (falling head) tests were performed in PZ-1, PZ-2, PZ-3, PZ-4, and PZ-5. Water levels were displaced by the introduction of a "slug" within the water column. Water levels referenced to the lapsed time were recorded utilizing a Hermit environmental data logger, model SE 1000B. Tests were allowed to continue until 90 percent of the added head was dissipated. Discussions of the field testing results are presented in the analysis section of this report.

SECTION 5

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5.0 LABORATORY TESTING

Laboratory test were performed on selected MRA soil samples to obtain geotechnical characteristics of the geologic units comprising the site. These laboratory tests include: Atterberg limits, moisture content (%), and back pressure saturated permeability testing. Atterberg limits were performed according to ASTM D4318. Back pressure saturated permeability tests were performed according to standards supplied by the U.S. Army Corps. of Engineers under EM 1110-2-1906, Appendix VIII. A summary of test results is included on Table 3a.

A summary of the test results of the 1980 geotechnical borings completed by Jack Holt and Associates is contained in Appendix D.

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SECTION 6

6.0 DATA ANALYSIS

Our analysis of the field exploration and laboratory testing tasks are presented in the following sections.

6.1 Geotechnical Boreholes

The soil profile as encountered at the geotechnical borehole locations is composed of top stratum weathered clay and substratum unweathered claystone. Figure 8 illustrates stratigraphic cross-sections of the site. Figure 8 utilizes geologic information from the logs of gas-probes (P-7 and P-9), monitoring wells (MW-1A, MW-2A, MW-4, and MW-5), and geotechnical borings (X-7, X-9, X-13, and X-14). MRA identified 18 feet of "fill" material directly above the unweathered claystone at PZ-1 and PZ-3. The elevation of the "fill" material/unweathered claystone contact is about 552 feet MSL at PZ-1 and PZ-3. The thickness of the weathered clay was 30 feet at PZ-2, 39 feet at PZ-4, and 55 feet at PZ-5. The elevation of the weathered/unweathered contact was identified at 560 feet MSL at PZ-2, 586 feet MSL at PZ-4, and 574 feet MSL at PZ-5.

6.2 Ground-Water Level Observations

The MRA hydrographs and observed ground-water levels for all piezometers, ground-water monitoring wells, and selected gas monitoring wells are presented in Appendix B. Figure 10 presents a potentiometric ground-water elevation map for the site. Figure 10 was constructed by MRA and is based on elevations measured on July 15, 1991. Ground water in the weathered soil overlying the unweathered soil is interpreted to flow along the top of the unweathered soil from topographic highs to topographic lows. These flow directions are interpreted as being controlled by the surface of the unweathered soil. Figure 11 illustrates a schematic of MRA's interpretation of seepage at the ACL site.

The hydrographs were revised by RUST E & I October 1990. These hydrographs are contained in Appendix B. Based on the RUST E & I hydrographs, generally it appears that the gas-monitoring probes have the greatest variabilities in water-levels relative to rainfall. Gas-monitoring wells P-14, P-12, P-15, and P-8 are examples of this. Well P-7 as shown on the graphs has an erratic relationship to the rainfall data for the period. This is interpreted as a possible error in water level measurement. The monitoring wells and piezometers appear to have the least response to rainfall. This difference could be attributed to a combination of factors. Many of the monitoring points located at higher surface elevations exhibit a greater variability over time and the greatest response to rainfall events (P-7, P-8, P-12, P-14, and P-15). Monitoring points with lower screen elevations appear to have a lower variability over time (PZ-1, PZ-5, and P-7). The points with a considerable lag in response to rainfall (MW-3, MW-4, PZ-1, PZ-2, and PZ-5) have lower screen elevations as well. It is believed the monitoring points at higher elevations possibly recharge more rapidly during a rainfall event due to an observed more rapid and complete desiccation and surface cracking during drying periods. More rapid surface drying may be caused by a greater exposure to wind and the effects of enhanced drainage due to the higher elevation. The enhanced drainage would cause these points to exhibit faster lowering of water levels as the rain water percolates downward to nearby areas with lower elevations. Conversely, these lower areas would tend to hold liquids for greater periods of time and exhibit less variabilities.

Still another important consideration is the height of the filter packs and screens in the different types of monitoring points. The gas monitoring wells P-6A through P-15 are screened to within three feet of the surface according to the construction logs. The gas monitoring wells P-1 through P-6 are screened, according to the construction logs, to within five feet of the surface. The piezometers range from over 33 feet to approximately eight feet in depth to the top of the screen. The ground-water monitoring wells have depth from the surface to the top of the screen of approximately 10 feet to 45 feet and may not be as susceptible to rapid recharge from the surface. Still another possible influence is the screened lithologic zone. All of the piezometers and ground-water monitoring well logs indicate the unweathered claystone strata was encountered in the boreholes. Many of the gas monitoring well depths did not penetrate to the unweathered claystone. Since the ground-water levels are controlled by the unweathered claystone surface, the depth of the well and piezometer screens in relation to the unweathered claystone surface becomes an important consideration.

This data should be used with caution, if at all, pending the installation of the proposed monitoring wells, piezometers, and subsequent data collection.

Piezometers PZ-1, PZ-3, and PZ-5 have been decommissioned and no longer serve as ground-water level monitoring points.

6.3 Field Permeability Testing

The field permeability tests were performed to identify site specific hydrogeologic parameters. The ground-water levels observed at the site are interpreted as being influenced by topographic highs at the east and west ends of the site. These highs cause two separate ground-water flow regimes to be present at the site. The parameters identified during the MRA field testing phase include transmissivity and permeability. The discussion of the parameters is presented in the following sections.

Transmissivity. Transmissivity values were calculated by utilizing the Cooper Method for slug tests performed within confined aquifer systems. Equations developed by Cooper for determining the transmissivity values for confined aquifers are as follows:

where: T = transmissivity (cm^2/sec)
r_c = radius of the casing in centimeters
t = time

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The calculated transmissivity values are presented below:

Piezometer No.	Transmissivity Value (T)
PZ-1	3.58×10^{-3} cm^2/sec
PZ-2	5.38×10^{-3} cm^2/sec
PZ-3	8.27×10^{-4} cm^2/sec
PZ-4	2.15×10^{-4} cm^2/sec
PZ-5	7.79×10^{-4} cm^2/sec

Permeability. The calculation of permeability (K) is based on the following formula.

$$K_{(cm/sec)} = \frac{T}{aquifer\ thickness}$$

where: The aquifer thickness is equal to the length of the filter pack of the piezometer above the unweathered bedrock.

The following lists the permeability values calculated for the weathered zone of the above piezometers.

Piezometer No.	Permeability (k) value cm/sec
PZ-1	1.9×10^{-5}
PZ-2	2.3×10^{-5}
PZ-3	1×10^{-3}
PZ-4	1×10^{-6}
PZ-5	1.1×10^{-5}

The permeability value for PZ-3 is interpreted by MRA as being high due to secondary features identified at the weathered/unweathered claystone contact. A review of the MRA soil borehole logs by RUST E & I indicates only the wording "selenite gypsum" in this zone. The logs do not specifically mention fractures. A 1981 report, however, describing an investigation performed by Raba-Kistner Consultants of the area adjacent and immediately north of the site, describes fractures within the tan and gray weathered clay as containing deposits of gypsum in crystalline form. Soil borehole logs from the Comal County Landfill describe crystalline gypsum-filled fractures in the same formation. It is possible where gypsum is mentioned in the MRA borehole logs fractures do occur and are associated with the gypsum. The Raba-Kistner report further describes a permeability test conducted on an undisturbed sample, with gypsum deposited along a fracture, as having a coefficient of permeability on the order of 3.1 x 10^{-4} cm/sec. PZ-3, incidentally, is the only piezometer in this group which screens zones in which selenite gypsum (and possibly fractures) is mentioned on the borehole log. The gypsum is indicated several feet above the screened interval in the boring logs of PZ-2, PZ-4, and PZ-5. Gypsum is not mentioned at all in the boring log of PZ-1. Based on the association of selenite gypsum with fractures in this formation it could be inferred that the high permeability value for PZ-3 is due to fractures in the screened interval.

Due to the nature of the Falling Head Test Method itself, only a small radial distance from the piezometer is evaluated. The presence of fractures can affect the results increasing the calculated conductivity value. The absence of fractures in the borehole yields lower values.

Still another important factor to consider concerning the permeability value for PZ-3 is the statement at the end of section 6.1 in which 18 feet of "fill" material was identified above the unweathered claystone at PZ-1 and PZ-3. If this is the case, the logs indicate three feet of screen may be completed within this "fill." This could certainly affect the permeability value for PZ-3, depending on the nature of the "fill."

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SECTION 7

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7.0 HYDROGEOLOGIC MODEL

The hydrogeologic model for the ACL site is based on our interpretation of the data presented in the above sections of this report. Our discussion of the hydrogeologic model addresses the following elements:

- Unweathered claystone strata
- Weathered clay strata
- General site hydrogeologic conditions

7.1 Unweathered Claystone Strata

The unweathered claystone strata is the basal unit at the ACL site.

7.1.1 Top of the Unweathered Claystone Strata

RUST E & I produced a revised contour map of the surface of the unweathered claystone strata below the ACL facility. The RUST E & I map was plotted from boring logs produced by Jack Holt & Associates drilled in July 1980 and is illustrated by Figure 9b. The site is interpreted as being traversed by a valley approximately bisecting the site. Topographic highs are interpreted to be present on the west half of the site at the northwest corner of the site and the southeast end of the site. This surface generally mimics the pre-landfill surface of the site.

7.1.2 Laboratory Tests

A review of laboratory test results listed on Table 3 for tests performed on selected samples of the unweathered claystone strata, shows the moisture content of samples tested are generally lower than the plastic limit values. This condition generally defines the strata as not being saturated.

A selected unweathered claystone sample was tested for hydraulic conductivity. The results revealed a hydraulic conductivity value on the order of $1x10^{-9}$ cm/sec. This value exceeds the minimum criteria for hydrologic barriers protecting ground water, as set by the Texas Water Commission's Solid Waste Management Regulation Section 330.65(b)(5)(D)(ii).

7.2 Weathered Clay Strata

The ground water of the site has been identified in this strata. The characteristics of the weathered clay strata which allows this unit to act as a transmissive unit include secondary porosity features such as slickensided planes and fractures. The fracture systems exhibit vertical orientations which are interpreted as being potential pathways for ground-water flow through the weathered clay strata.

7.2.1 Permeability

Field permeability tests were performed in sediments of the Sprinkle and Pecan Gap formations. Permeability values of $1x10^{-3}$ cm/sec to $1x10^{-6}$ cm/sec were identified. The more permeable area was interpreted by MRA as exhibiting a higher density of secondary porosity features. This is the approximate range MRA expected flow rates throughout the weathered clay strata to vary.

7.2.2 Saturation Thickness

Saturation thickness values were calculated as being the elevation difference between static ground-water levels and the weathered clay/unweathered claystone contact. Table 4 shows weathered thickness versus saturated thickness for the boreholes analyzed.

Saturation thickness values are greater in the eastern section of the site where the Bergstrom Formation has been identified. Saturation thickness within this area range from about 46 feet near the Bergstrom/Pecan Gap surface contact along the southern boundary of the site to about 19 feet near the northeast boundary of the site. West of the Bergstrom/Pecan Gap contact saturation thickness range from about 28 feet near the northwest boundary of the site to about eight feet along the southwestern boundary.

7.2.3 Hydraulic Parameters

This section presents MRA's observations with respect to the hydraulic parameters identified for the weathered clay strata present at the site. The hydraulic parameters discussed for each zone include flow direction, ground-water gradient, recharge/discharge, hydraulic conductivity, and flow velocities.

The observations discussed below are based on the findings presented in this report.

MRA's analysis of the flow rates present within the weathered clay strata have been conducted based on the equation:

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$$V = \frac{Ki}{n}$$

Where:
V = velocity of ground water
K = hydraulic conductivity
i = hydraulic gradient
n = effective porosity

MRA used an estimated effective porosity of 0.05.

Results of permeability test obtained during the field exploration phase identified permeability values ranging form $1x10^{-3}$ cm/sec to $1x10^{-6}$ cm/sec within the weathered zones. The more permeable areas are interpreted by MRA as containing a higher density of secondary porosity features. This interpretation merits further investigation for the reasons stated previously.

Based upon the lab test results, visual sample classifications, static water level readings, and the permeability test results, it is our interpretation that the weathered zone functions as a transmissive unit on a local basis.

7.3 General Site Hydrogeologic Conditions

It is our interpretation that the ground-water concerns at the ACL site are related to a perched water system identified in the weathered clay strata. Ground-water levels across the site generally mimic the surface of the unweathered claystone strata. Therefore, ground-water gradients are dictated by the surface of the unweathered claystone strata.

Thus, steep valley walls exhibit a higher gradient than the more gentle dipping hill tops. The flow direction from the potentiometric highs is toward Walnut Creek for most of the site. The potentiometric high identified on the eastern portion of the site flows toward both Walnut Creek and Gilleland Creek.

Figure 10 illustrates the MRA interpretation of the ground-water conditions present at the site. As shown, ground water is interpreted to flow from potentiometric highs at the northwest and southeast areas of the site toward potentiometric lows. The gradient is coincident to the surface of the unweathered claystone. Thus, the site is divided into two zones, Zone 1 represents the western three quarters of the site and Zone 2 the eastern quarter. A discussion of the hydrogeologic conditions is presented in the following paragraphs and is illustrated on Figure 10 and Figure 11.

<u>Zone 1</u>. The major portion of the site is situated in Zone 1. As shown on Figure 10, ground-water flow is toward the erosional valley which bisects Zone 1. Recharge in Zone 1 is from the north end and the southeast end of Zone 1. Discharge is off-site to the southwest via the erosional valley situated on the top of the unweathered claystone strata.

The hydraulic gradient from the southeast end of Zone 1 toward the main erosional valley is about .05. The hydraulic conductivity varies from 1 x 10^{-3} cm/sec to 1x10^{-6} cm/sec. An average identified hydraulic conductivity value of 1 x 10^{-5} cm/sec was used to calculate the flow velocity for this section of Zone 1. Flow velocities for this part of Zone 1 are about 10.34 feet/year.

The hydraulic gradient from the northwest portion of Zone 1 to the erosional valley is about .01. The hydraulic conductivity is on the order of 1 x 10^{-6} cm/sec. Flow velocity for this portion of Zone 1 is about 0.2 feet/year.

Zone 2. The main flow direction across Zone 2 is south to northeast. The horizontal gradient across Zone 2 from southwest to northeast is .04. MRA interprets the ground-water recharge for Zone 2 to be from the topographic high areas located off-site to the south and from topographic high areas within Zone 2. Discharge is from on-site to off-site toward the northeast and Gilleland Creek.

A representative hydraulic conductivity value of 1 x 10^{-6} cm/sec was estimated for the weathered soils present within Zone 2. This estimation is based on a visual comparison by MRA of soil samples of the weathered clays of Zone 1 and Zone 2. Hydraulic conductivity values for weathered clays within Zone 1 were determined through actual permeability tests. MRA identified both Zone 1 and Zone 2 to be comprised of the same type of cohesive soils, and based on the permeability test results for Zone 1, the hydraulic conductivity for Zone 2 was estimated. The calculated flow velocity by MRA for the weathered clays is about 0.82 feet/year.

7.3.1 General Comments

Figure 11 illustrates an interpretation of seepage flow through the Zone 1 and Zone 2 areas. As shown on Figure 11 flow is interpreted as being controlled by porous structure in the surface weathered zones overlying bedrock (Sprinkle member). Flow is further controlled by the surface of the bedrock unit.

7.3.2 Areas of In-Situ Soils Versus Landfill

Reliable data could not be found in the file review characterizing pre-landfill ground-water conditions either for the ACL site, the Browning-Ferris Inc. site to the north, or the Travis County site to the south. However, surface contour maps of the unweathered claystone surface were generated for the ACL and BFI sites (Appendix E). If much of the ground-water movement is controlled by the contact between the weathered and unweathered claystone, general predictions of the effects on ground-water conditions by landfilling activities at the three sites may be inferred.

Figure 12 illustrates the aerial extent of waste disposal as of August 1992 and topography of areas previously landfilled verses areas possessing in-situ natural soils. The weathered zones have been principally excavated in these areas and backfilled with waste. Ground-water presence or movement in these zones could be expected to be effected locally by this excavation and backfilling. Ground-water movement is believed to occur primarily in these weathered zones. By removing the weathered porous materials in these zones down to the less permeable unweathered zones and replacing this material with compacted low permeable clay liners and side-walls, daily cover, and waste; the ground-water flow pathways in the landfilled areas could be altered significantly. Ground-water flow to these landfilled areas could be truncated, impeded, and diverted. This portion of the ground-water might be expected to eventually move around the landfilled area downgradient joining original flow regimes or be discharged to the surface as seeps. A portion of the ground-water flow might also move into or through the waste cell where it would act upon and be acted upon by the generation of leachate and the leachate extraction system. The saturated thickness in the waste bodies is unknown.

The base grade elevations of the landfilled areas range from 610 to 750 feet MSL. These elevations identify the landfill base grades to be seated generally within the unweathered claystone.

SECTION 8

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8.0 WATER BALANCE CALCULATIONS

A water balance analysis was conducted for the ACL site in November, 1993 utilizing the Hydrologic Evaluation of Landfill Performance (H.E.L.P) program written by the U.S. Army Corp of Engineers. The output from this program is included in Appendix C. The purpose of performing this analysis was to address the potential amount of leachate that may be produced over the life of the landfill. Table 5 shows the predicted yearly generation of leachate for the landfill.

The water balance calculations performed by the H.E.L.P. model take into account the amount of rainfall, evapotranspiration, surface runoff, soil moisture storage, and infiltration at the site. Temperature, precipitation and solar radiation were generated synthetically for daily water balance calculations. Synthetically generated data is constrained by historical data. Calculations were performed over a 20 year period. Daily calculations were summed to give yearly water balance values. Average yearly water balance values based on 20 years of calculations were used to estimate leachate amounts generated per year.

For the purposes of modeling the landfill site was broken into three generalized type sections. A help model was performed for each section type for a one acre area. These type sections are reviewed in the program output in Appendix C and are:

1) Closed with conventional clay cap and clay liner.

2) Temporarily closed with one-foot clay cap and conventional clay liner.

3) Closed with composite cover and composite liner.

The landfill has a life expectancy of 25 years from 12/31/1993. Total acreage under closure on 12/31/2018 will be 230 acres. The number of acres classified by section type are covered in Table 1. H.E.L.P model calculations were made on a per acre basis. Leachate amounts are in ft^3/year. The total leachate produced per acre for each year was multiplied by the number of acres of the section type in existence at the time. Total leachate production on a yearly basis is displayed in the right hand column of Table 5. After final closure leachate generation will remain constant or decline as waste becomes dewatered.

SECTION 9

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9.0 GROUND-WATER MONITORING SYSTEM ASSESSMENT

Presented here is the MRA assessment of the existing ground-water monitoring system for the site.

Ground-water flow is controlled by the surface of the unweathered claystone strata. The surface of the unweathered claystone exhibits two topographic highs within the ACL site. One is near the northwest corner of the site the other is located near the southeast corner. These topographic highs cause off-site ground-water discharge to be toward Walnut Creek to the southwest and Gilleland Creek to the east. Thus, the upgradient direction of flow changes across the site. Figure 10 illustrates the MRA interpretation of potentiometric curves, flow directions, and upgradient/downgradient locations at the site.

Based on the interpretations illustrated on Figure 10 and the hydrographs included as Appendix B, MRA concluded the following with respect to the existing ground-water monitoring. The eastern portion of the site is monitored by three downgradient wells (MW-1A, MW-2A, and MW-3). The western portion of the site currently monitored by two upgradient wells (MW-4 and MW-5). Historically MW-4 is usually dry.

9.1 Areas of Concern

The ACL site is situated between two landfill sites. An active waste disposal operation is currently being operated north of the ACL site by Browning Ferris Industries (BFI). South of the site is a closed landfill operation. Ground-water conditions of the two sites will affect and be affected by the ACL site.

The ACL site is primarily downgradient to the BFI site. The eastern quarter of the ACL site is interpreted as being upgradient to the BFI site.

The closed landfill site has the potential for ground-water flow to enter the ACL site along the southern boundary. The ACL site is downgradient of the closed landfill.

SECTION 10

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10.0 CONCLUSIONS

Presented here are the MRA conclusions of the comprehensive hydrogeologic assessment and geologic model refinement of the pre-expansion portion of the Austin Community Type 1 Municipal Landfill.

1. Ground water is confined within the weathered clay strata identified at the site. The static water level generally mimics the surface topography. Flow is through secondary porosity features.

2. The unweathered claystone acts as a barrier to vertical flow and controls horizontal flow.

3. The site has been divided into two hydrogeologic zones based on site geology and hydrogeologic conditions identified at the site.

4. Off-site/on-site ground-water recharge is from topographically high areas north of the site, south of the site, and from the old county landfill south of the site.

5. On-site/off-site ground-water discharge is toward the southwest and toward the northeast.

6. The major on-site/off-site ground-water discharge areas are Walnut Creek to the southwest of the site and Gilleland Creek to the east.

SECTION 11

11.0 RECOMMENDATIONS

The following are recommendations and conclusions made by RUST E & I based on the ACL Hydrogeologic Assessment Report review and amendment.

1. The landfill gas monitoring probe construction details and boring logs missing from the MRA report were reviewed by RUST E & I and included in the revised report (Appendix A). RUST E & I concludes that these gas probes should not be utilized to obtain ground-water level data. The gas probes are designed to monitor landfill gas and are screened to within three or four feet of the surface. This type of construction works well for landfill gas monitoring but leaves the probe very susceptible to recharge from surface infiltration yielding questionable data. There also exist inconsistences in the constructed depths of the probes relative to the stratigraphy. The soil borehole log forms indicate that of the 16 gas monitoring probes only 4 were drilled to the unweathered claystone surface (P-6A, P-9, P-11, P-12). It is possible the probes not drilled to the claystone surface are missing an important ground-water zone. For these reasons it is recommended that the landfill gas monitoring probes P-1 through P-15 not be used for obtaining ground-water level data.

2. The monitoring well construction detail logs and soil borehole sample descriptions for the existing logs are included in the revised Hydrogeologic Assessment Report in Appendix A. These logs reveal installation standards and procedures no longer acceptable by the TNRCC or Waste Management Inc. Monitoring Well MW-1A, according to the log has a filter pack extending 10 feet above the well screen. Monitoring Wells 2A, 3, 4, and 5 have filter packs of 15 feet, 20 feet, 30 feet and 31 feet respectively above the screen. A log for MW-6 was not available. Current TNRCC regulations (Chapter 330.242) state the filter pack "shall extend from one to four feet above the top of the screen". These wells are susceptible to monitoring the whole interval of the filter pack length in some cases to within 10 feet of the surface. Like the gas monitoring probes a condition exists in which the ground-water monitoring wells are susceptible to recharge by surface and near-surface infiltration.

The possibility of the creation of a migration pathway from the surface to lower zones also exists.

It is possible that rainwater or other fluids from the surface could move through surface desiccation cracks and soil downward through the fractured clay to the filter pack. It is also conceivable the longer filter pack may act as a downward migration pathway to the screened target monitoring zone. With the exception of the potential of infiltration of surface water, these wells may have served well the function of monitoring the ground-water chemistry in the past, but the use of these monitoring wells for the collection of ground-water level data is discouraged. It is recommended that a piezometer be installed adjacent to and corresponding to each of the six existing monitoring wells for the purpose of obtaining ground-water level data at these six locations (PZ-15, PZ-16, PZ-20, PZ-21, PZ-25, PZ-26). It is further recommended that these six piezometers be completed to TNRCC monitoring well standards.This is recommended so that the piezometers may be converted to monitoring wells if the data obtained from them, in the year long study, confirms these locations are appropriate to serve as monitoring points. As future monitoring wells these points would not be as prone to contamination from the surface and would provide more reliable ground-water level data which is needed to further define the ground-water flow gradient at the ACL site.

3. The MRA report proposed the installation of 5 additional ground-water monitoring wells: MW-11, MW-12, MW-13, MW-14, and MW-15 (Figure 13). It is the opinion of RUST E & I the monitoring well locations recommended by MRA are appropriate preliminary piezometer locations (PZ-17, PZ-18, PZ-22, PZ-23, & PZ-24 from which to obtain ground-water level data. The validity of these locations is based on the location of the pre-landfill surface drainage valleys, the surface of the unweathered claystone, existing site topography, and the apparent general ground-water gradients of the sites to the north and south. As with the above mentioned piezometers associated with the six existing monitoring wells, these five piezometers should also be completed to TNRCC monitoring well standards to be converted to monitoring wells if the data they

generate confirms this as an apprpriate measure. A refinement of the conceptual model of the ground-water gradient based on data obtained from these installations may indicate the need for additional monitoring points in the future. The piezometer at the proposed MW-12 location would monitor ground-water believed to be migrating from the closed Travis County Landfill site and entering the ACL property. The piezometer near the proposed MW-11 location would monitor groundwater believed to be flowing from the ACL site south toward the Travis County Landfill. The piezometers to be installed near the proposed monitoring wells MW-14 and MW-15, along with the piezometer to be installed near existing MW-5 would be expected to monitor groundwater apparently migrating from the northwest (Figure 10) where the BFI Landfill is located. The piezometer to be installed near proposed monitoring well MW-13 would serve to monitor flow migrating toward the northwest and the BFI property. These piezometers would be expected to provide ground-water level data to further define and characterize the ground-water conditions at the ACL site.

4. In addition to the six piezometers to be installed at the existing monitoring well locations and the five piezometers to be installed at the proposed monitoring well locations, it is recommended that 10 additional piezometers, not associated with existing or proposed monitoring points, be installed at the ACL facility. It is recommended that these piezometers be installed as follows: Three sets will be nested (PZ-6 & PZ-7, PZ-10 & PZ-11, and PZ-13 & PZ-14) with one piezometer installed in the weathered material immediately above the unweathered/weathered boundry and one piezometer screened completely within the unweathered less permeable claystone. Three single piezometers (PZ-8, PZ-9, & PZ-12) will be screened in the weathered material immediately above the unweathered claystone surface. The remaining single piezometer, PZ-19, will be screened completely within the unweathered claystone. The data obtained from these piezometers and all of the proposed piezometers will be used to address the deficiencies in the existing ground-water level data base and facilitate the confirmation and refinement of the conceptual hydrogeologic model for the ACL site. It is recommended these proposed piezometers be located in areas where landfilling has not occurred and where little or no ground-water level data

exists. The recommended piezometer locations are general (Figure 14). Exact locations of the piezometers should be determined in the field based on available areas where excavation and landfilling has not occured. The piezometers screened within the unweathered claystone, which is believed to control ground-water flow, would verify the absence or presence of water in this unit at these locations.

5. It is further recommended that upon installation of the above mentioned ground-water data points a monthly ground-water level measurement program be established for one year. It is suggested the measurements be coordinated with water level measurements occurring at the BFI and Travis County sites. If this is not possible, permission should be obtained to take simultaneous measurements of at least the points near the boundaries common with ACL and the two adjacent sites. Stringent water level measurements should be made from the top of each well casing and within approximately one hour of each other. The individual performing the measurements should have construction detail logs available in the field to check and correct the data for possible errors at the time of measurement. This will, hopefully, prevent such anomalies as found in previous recorded water levels.

After this one year period, water level and climatic data should be analyzed and ground-water monitoring requirements reassessed. At this time a revised stratigraphic cross-section map (Figure 8) and a revised site ground-water conditions map (Figure 10) should be constructed if necessary. These maps should provide a greater definition of the ground-water potentiometric surface and gradient.

The revisions to the report and the recommendations and conclusions only address deficiencies in the MRA assessement of the 230 acre tract refered to as Austin Community Landfill. However, a Part A Application Permit Ammendment and Site Development Plan for a 74-acre expansion tract has been submitted to the TNRCC for the Austin Community Landfill. A field investigation program of this property which is located adjacent to the current landfill western boundry, was conducted resulting in the installation of seven piezometers. It is recommended that ground-water level measurements be taken from the seven piezometers installed on the expansion property coinciding with data collection at the ACL and that this data be incorporated into the ground-water study conducted at the ACL. All future reports and figures should include this expansion area in order to obtain a comprhensive assessement of ground-water conditions for all the ACL property. Additional future investigations may be neccessary on both tracts based on information obtained from the proposed data points.

In summary, it is believed the claystones and marls of the Taylor Group present an environment in which interpretation of ground-water conditions in these units must be used with caution as its occurrence can be quite variable both spatially and with time, and may be greatly influenced by the presence of fractures. It is believed the above recommendations will yield a more precise definition of the hydrogeologic conditions existing at the ACL site.

This information will be useful in assessing current and future ground-water monitoring needs. It will be useful in addressing potential ground-water issues concerning the ACL site in relation to the closed Travis County Landfill and the active BFI Landfill. The new data may provide a greater understanding of the effects of landfilling activities at these sites and the possible effect of leachate on the groundwater. This information will be helpful in future planning efforts such as the proposed expansion area development and should be coordinated with these efforts.

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2121

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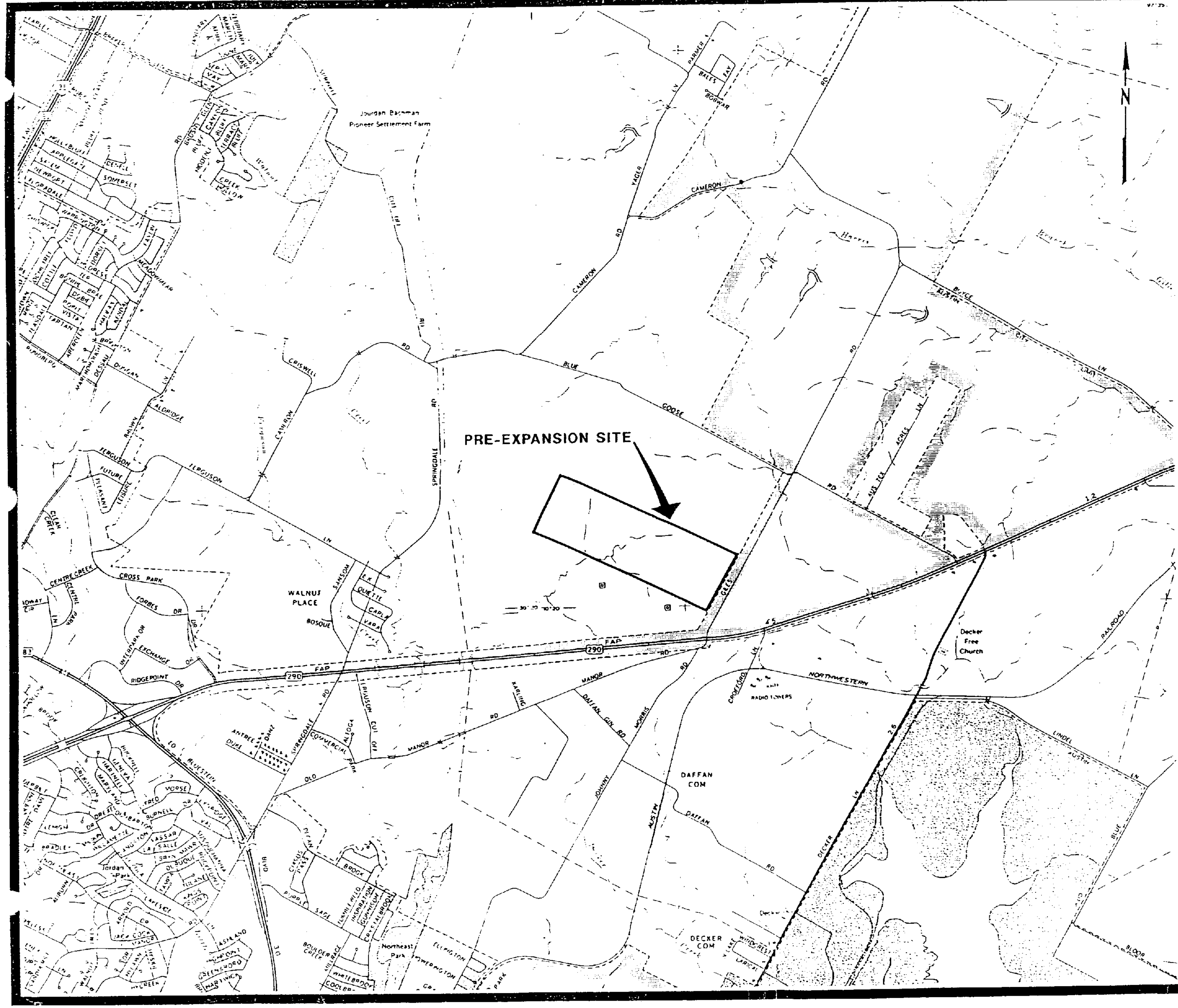
ILLUSTRATIONS

Technically Complete
2124



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TAKEN FROM STATE DEPARTMENT OF
HIGHWAYS AND PUBLIC TRANSPORATION
MAP-TRAVIS COUNTY SHEETS I & J.

AUSTIN COMMUNITY LANDFILL
HYDROGEOLOGIC STUDY
AUSTIN, TEXAS

WASTE MANAGEMENT OF NORTH AMERICA
IRVING, TEXAS

McBride-Ratcliff and Associates, Inc.
Geotechnical Consultants
Houston, Texas

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SITE LOCATION MAP

FIGURE
1

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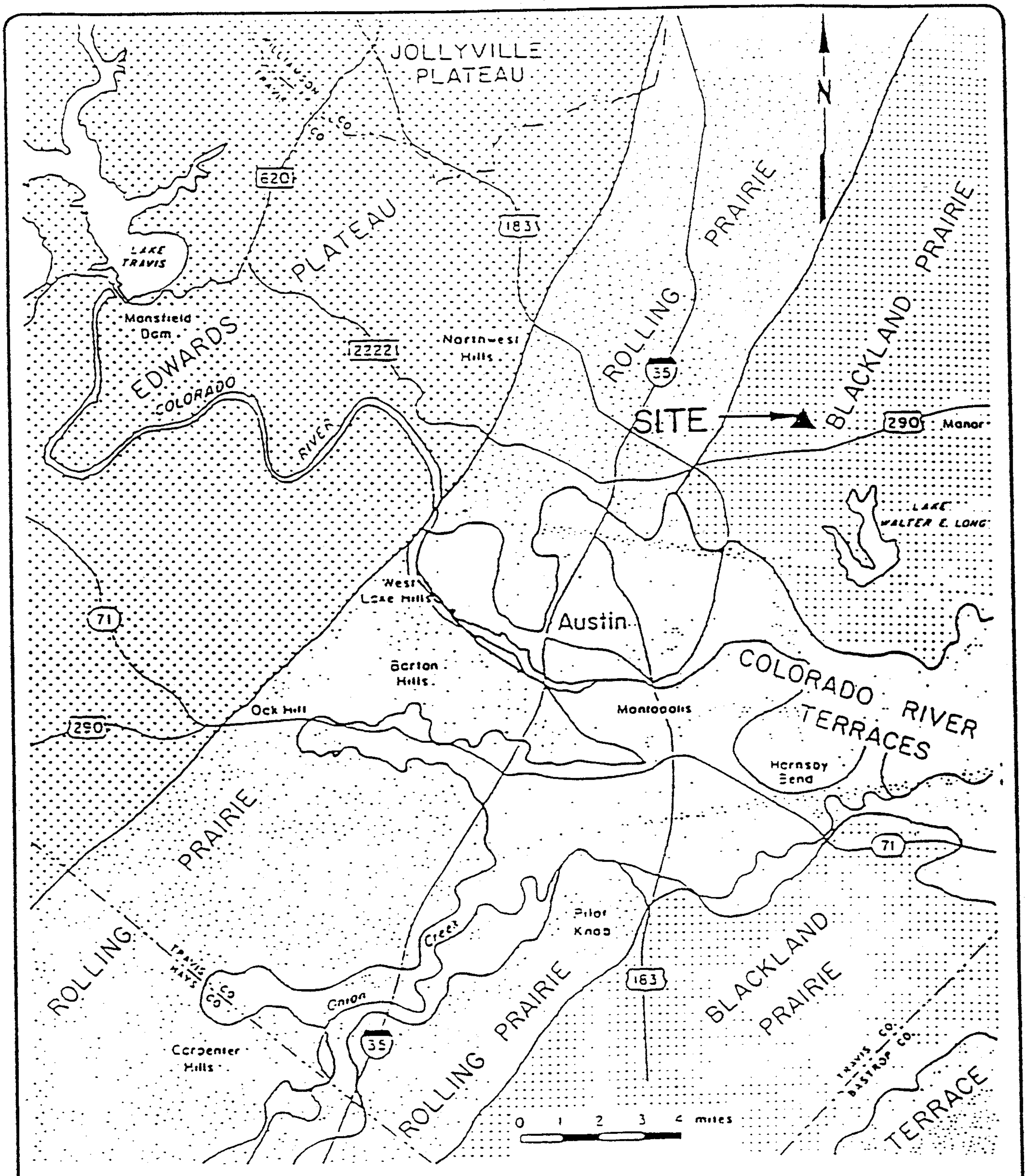

NOTE: MODIFIED FROM GARNER & YOUNG, 1976 AND COOK-JOYCE, 1989.

PHYSIOGRAPHIC REGION MAP

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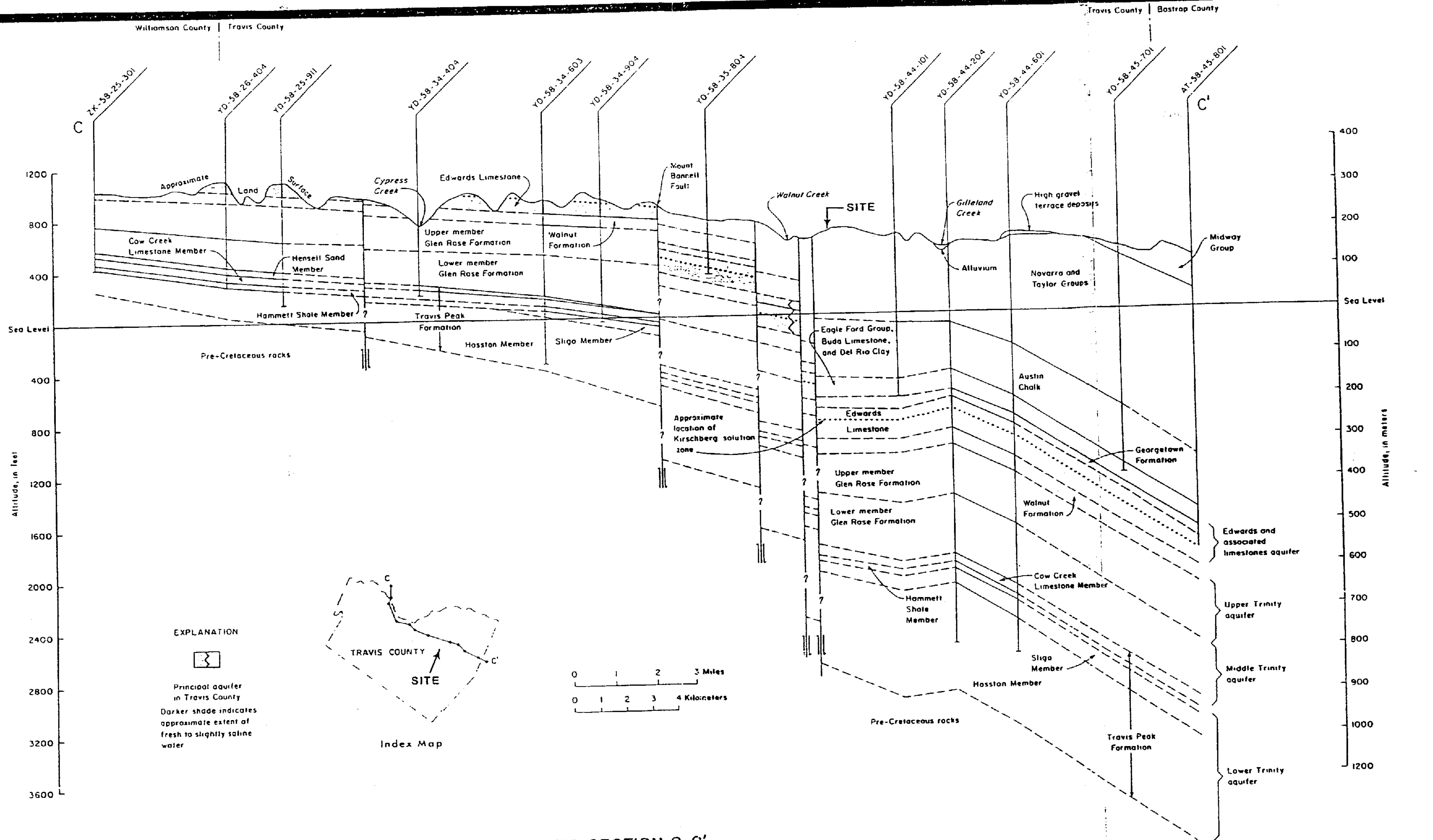
RUST ENVIRONMENT & INFRASTRUCTURE

FIGURE 2



GEOLOGIC SECTION C-C'

TAKEN FROM TEXAS DEPARTMENT OF
WATER RESOURCE. REPORT 278, JUNE 1983.

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WASTE MANAGEMENT OF NORTH AMERICA
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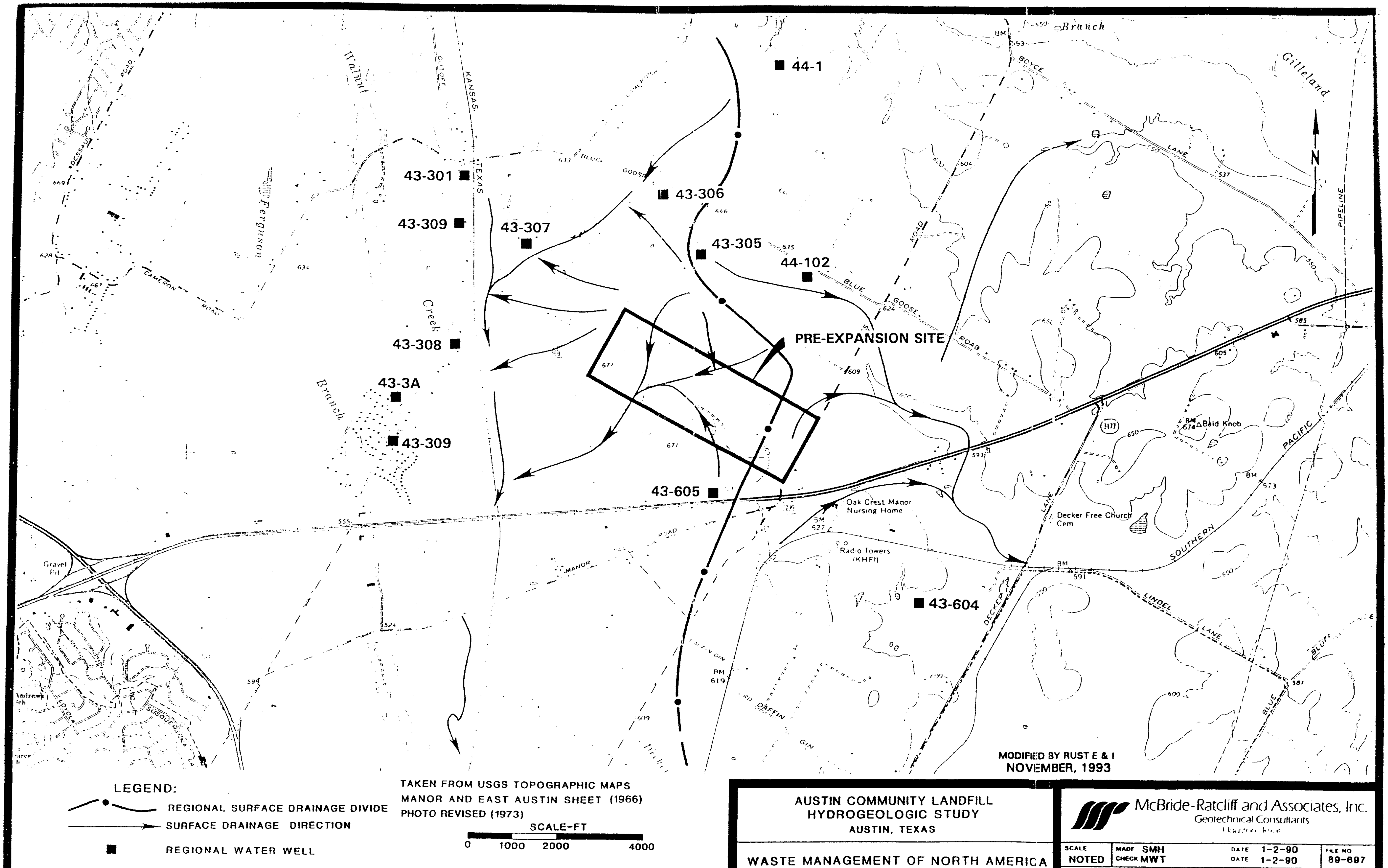
REGIONAL CROSS-SECTION FOR
TRAVIS COUNTY

FIGURE
3

Tech. Complete 2127



MODIFIED BY RUST E & I
NOVEMBER, 1993

AUSTIN COMMUNITY LANDFILL
HYDROGEOLOGIC STUDY
AUSTIN, TEXAS

WASTE MANAGEMENT OF NORTH AMERICA
IRVING, TEXAS

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Houston, Texas

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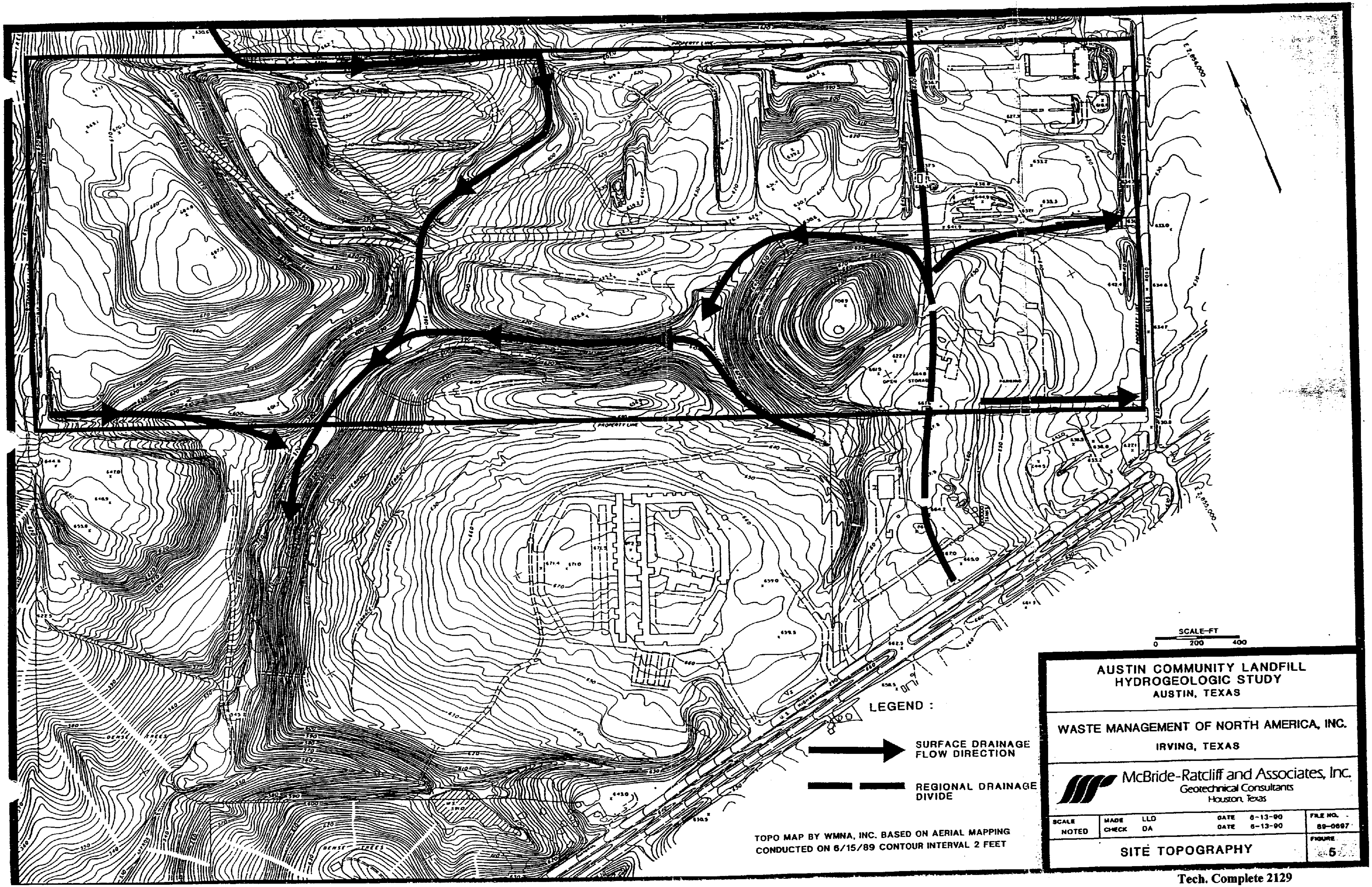
NOTED	CHECK MWT	DATE 1-2-90	89-897

REGIONAL WATER WELL LOCATION MAP AND REGIONAL SURFACE DRAINAGE

FIGURE 4

Technically Complete
2128



SCALE-FT
0 200 400

LEGEND :

SURFACE DRAINAGE FLOW DIRECTION

REGIONAL DRAINAGE DIVIDE

TOPO MAP BY WMNA, INC. BASED ON AERIAL MAPPING CONDUCTED ON 6/15/89 CONTOUR INTERVAL 2 FEET

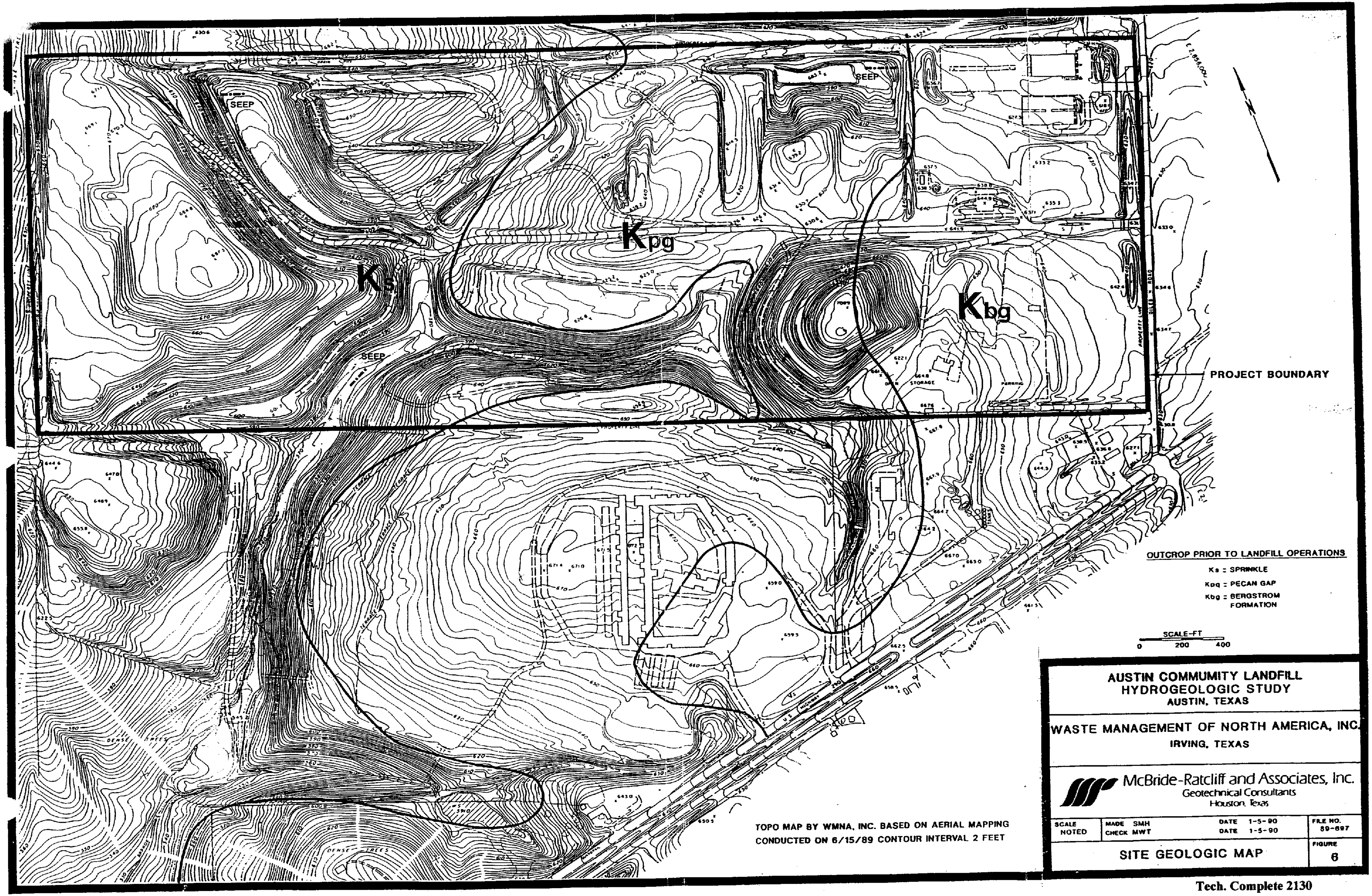
AUSTIN COMMUNITY LANDFILL
HYDROGEOLOGIC STUDY
AUSTIN, TEXAS

WASTE MANAGEMENT OF NORTH AMERICA, INC.
IRVING, TEXAS

McBride-Ratcliff and Associates, Inc.
Geotechnical Consultants
Houston, Texas

SCALE	MADE	LLD	DATE	6-13-90	FILE NO.
NOTED	CHECK	DA	DATE	6-13-90	89-0697
SITE TOPOGRAPHY					FIGURE 5

Tech. Complete 2129



OUTCROP PRIOR TO LANDFILL OPERATIONS

Ks = SPRINKLE

Kpg = PECAN GAP

Kbg = BERGSTROM FORMATION

TOPO MAP BY WMNA, INC. BASED ON AERIAL MAPPING CONDUCTED ON 6/15/89 CONTOUR INTERVAL 2 FEET

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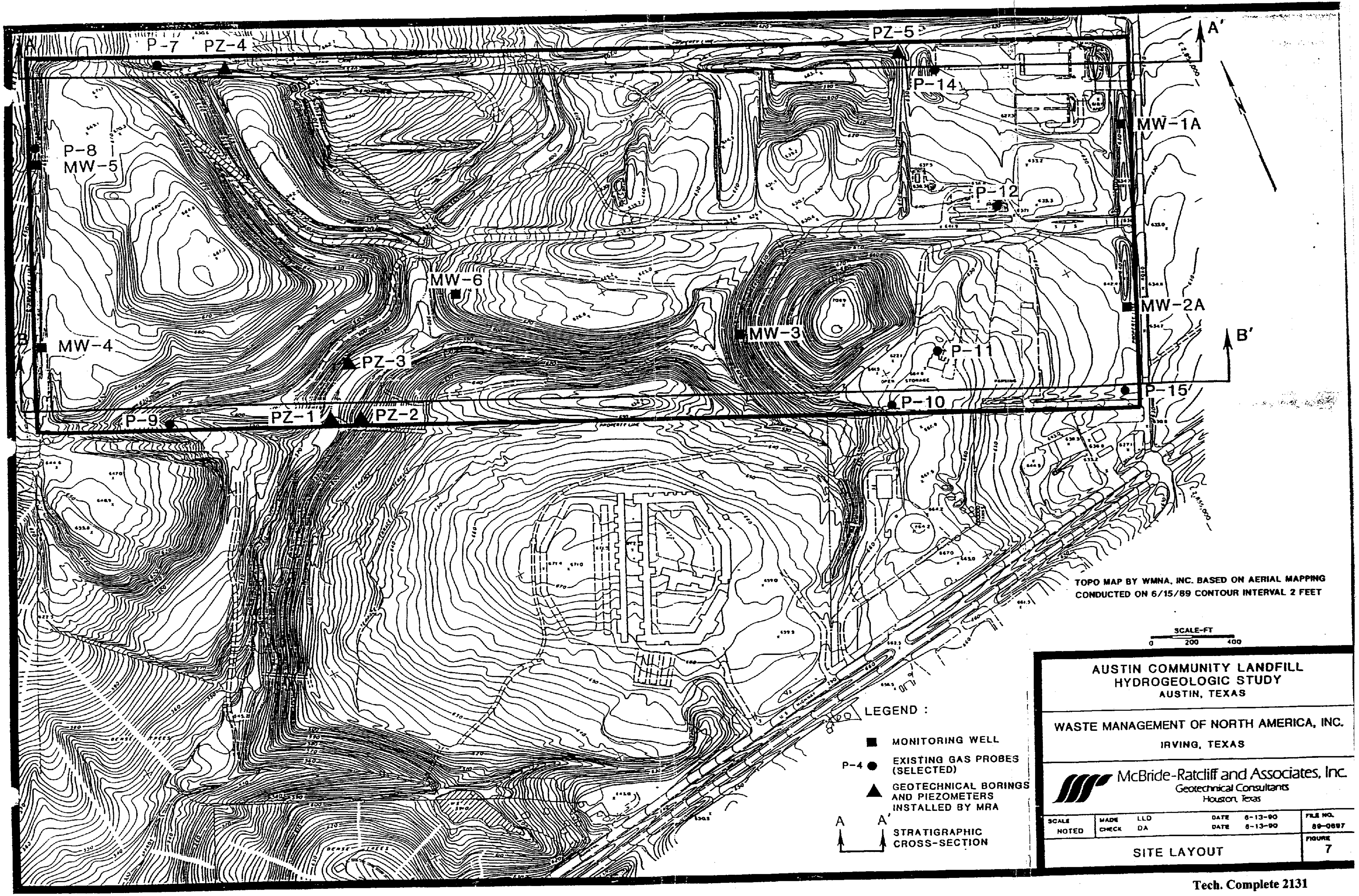
SCALE NOTED	MADE SMH CHECK MWT	DATE 1-5-90 DATE 1-5-90	FILE NO. 89-697
SITE GEOLOGIC MAP			FIGURE 6

Tech. Complete 2130



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HYDROGEOLOGIC STUDY
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WASTE MANAGEMENT OF NORTH AMERICA, INC.
IRVING, TEXAS

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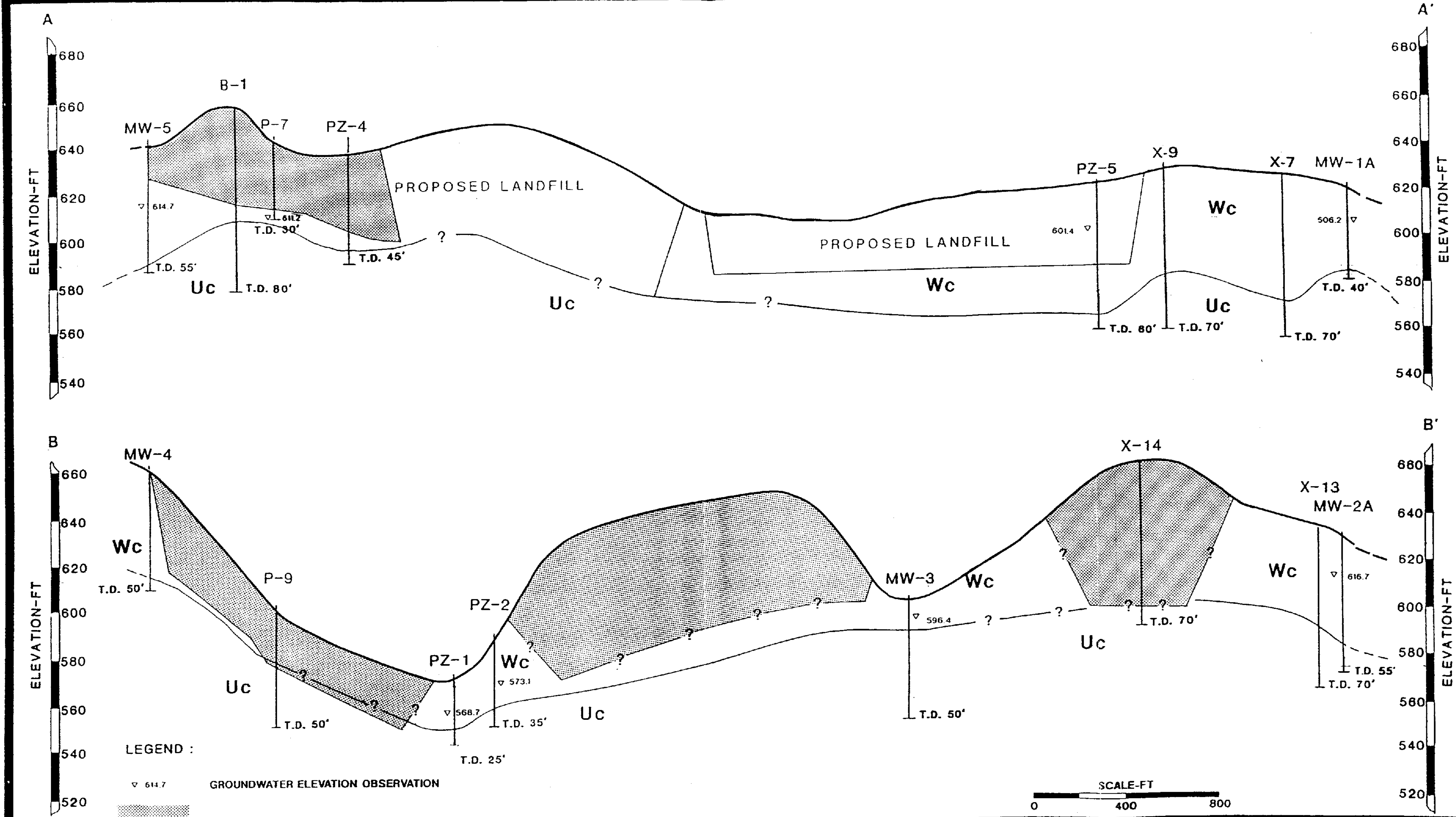
	CHECK	DA	DATE	6-13-90	
SITE LAYOUT					FIGURE 7

Tech. Complete 2131



LEGEND :

▿ 614.7	GROUNDWATER ELEVATION OBSERVATION
▨	EXISTING LANDFILL AREAS
Wc	WEATHERED CLAY
Uc	UNWEATHERED CLAYSTONE

NOTE :
CROSS SECTION LOCATIONS ARE INCLUDED ON FIGURE 7.

Modified by Rust E and I
SEPTEMBER 1, 1993

AUSTIN COMMUNITY LANDFILL
HYDROGEOLOGIC STUDY
AUSTIN, TEXAS

WASTE MANAGEMENT OF NORTH AMERICA, INC.
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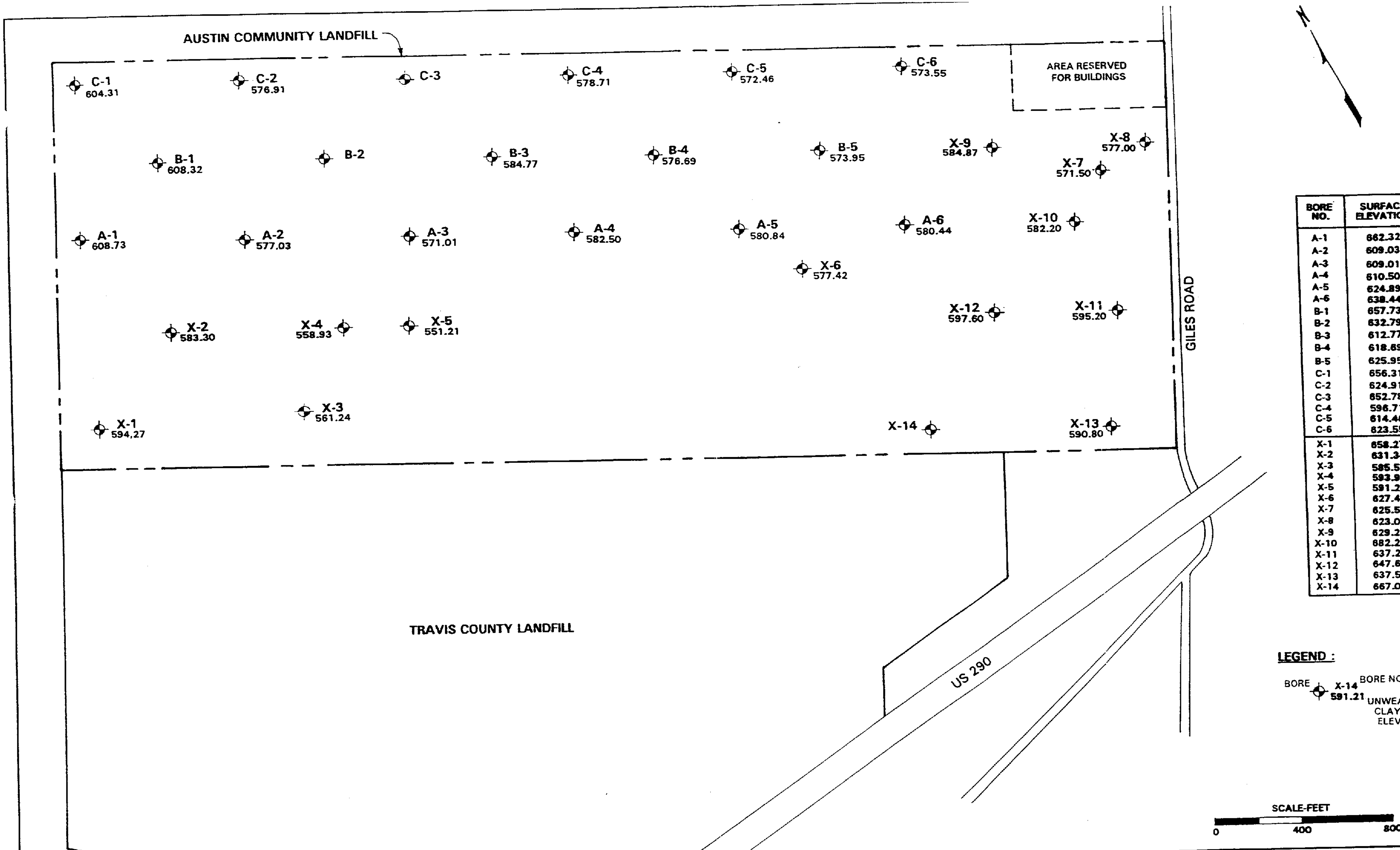
Houston Texas

SCALE NOTED	MADE LLD	DATE 2-4-91	FILE NO. 89-0697	
	CHECK DA	DATE 2-4-91		

SITE STRATIGRAPHIC CROSS-SECTIONS

FIGURE 8



BORE NO.	SURFACE ELEVATION
A-1	662.32
A-2	609.03
A-3	609.01
A-4	610.50
A-5	624.89
A-6	638.44
B-1	657.73
B-2	632.79
B-3	612.77
B-4	618.69
B-5	625.95
C-1	656.31
C-2	624.91
C-3	652.78
C-4	596.71
C-5	614.46
C-6	623.55
X-1	658.27
X-2	631.34
X-3	585.57
X-4	593.93
X-5	591.21
X-6	627.42
X-7	625.50
X-8	623.00
X-9	629.20
X-10	682.20
X-11	637.20
X-12	647.60
X-13	637.50
X-14	667.00

DRILLED BY JACK HOLT & ASSOCIATES, AUSTIN, TEXAS, 1980

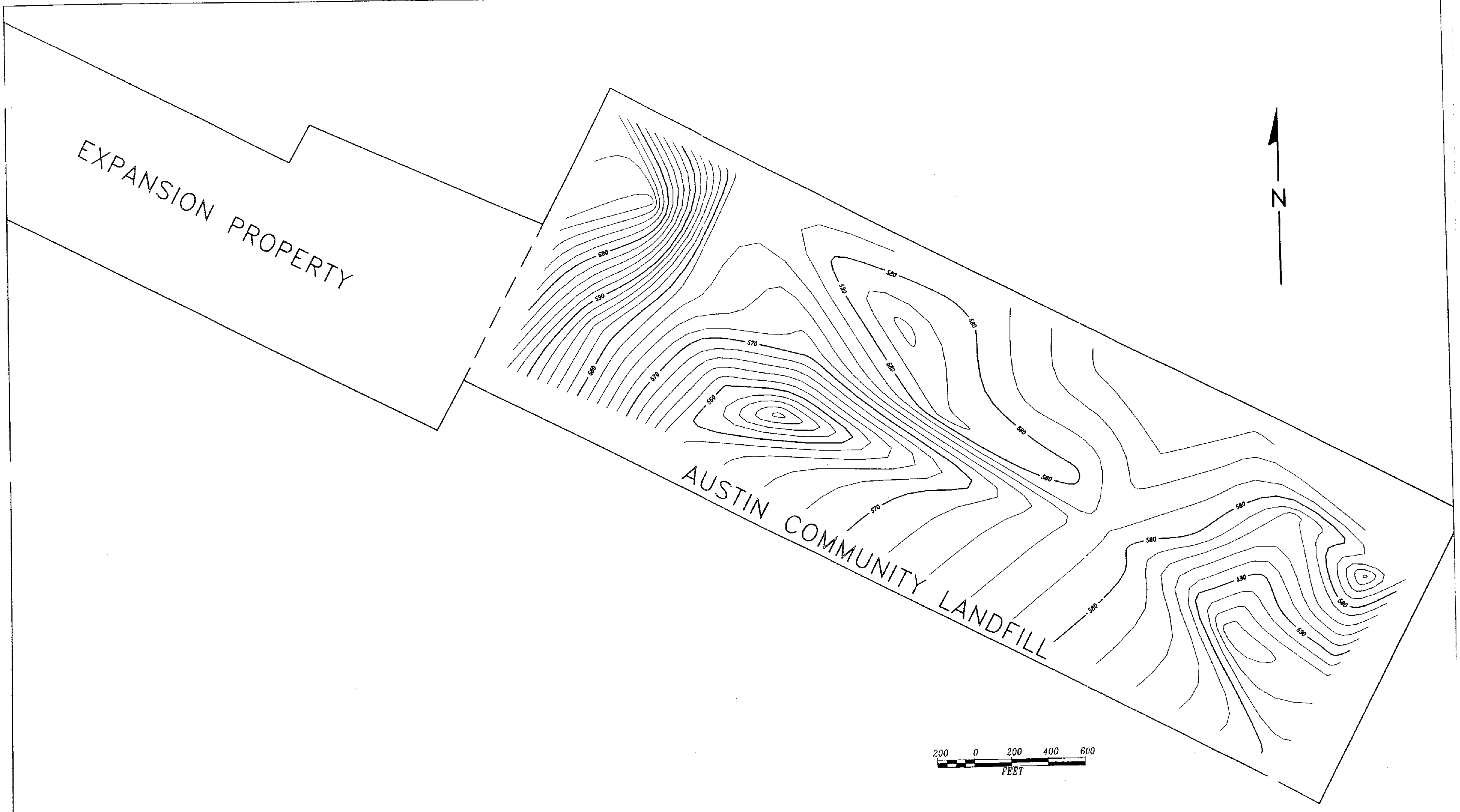
RUST ENVIRONMENT & INFRASTRUCTURE

OCTOBER, 1993

BOREHOLE LOCATION DATA
WITH TOP OF UNWEATHERED CLAYSTONE ELEVATIONS

FIGURE 9-a

Tech. Complete 2133

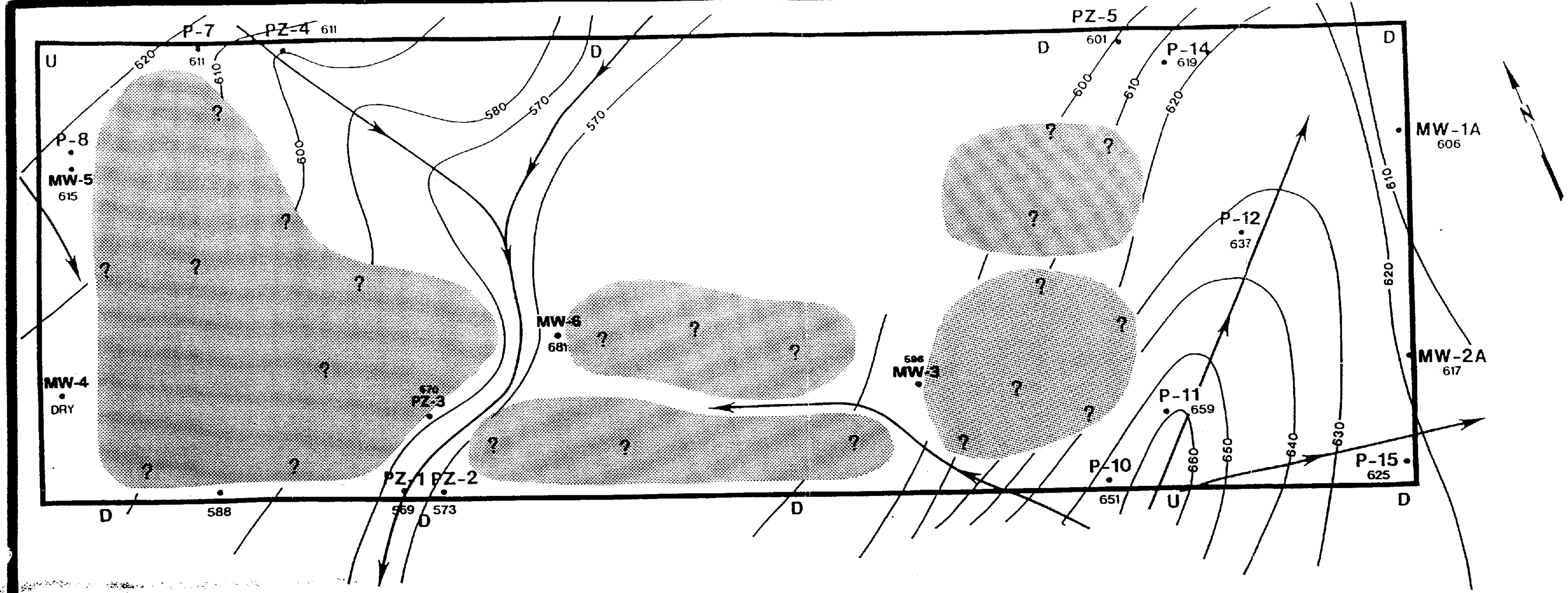


RUST ENVIRONMENT & INFRASTRUCTURE
NOVEMBER 17, 1993

TOP OF UNWEATHERED CLAYSTONE SURFACE

FIGURE 9-b

Tech. Complete 2134



LEGEND :

——600——	WATER LEVEL CONTOURS
——→	GROUNDWATER FLOW DIRECTION
▨	LANDFILLED AREAS
U	UPGRADIENT
D	DOWNGRADIENT

NOTE :
WATER LEVEL ELEVATIONS ARE BASED ON WATER LEVEL OBSERVATIONS OBTAINED BETWEEN MARCH, 1982 AND AUGUST, 1990.

Modified by Rust E and I
SEPTEMBER 1, 1993

SCALE-FT
0 400 800

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AUSTIN, TEXAS

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IRVING, TEXAS

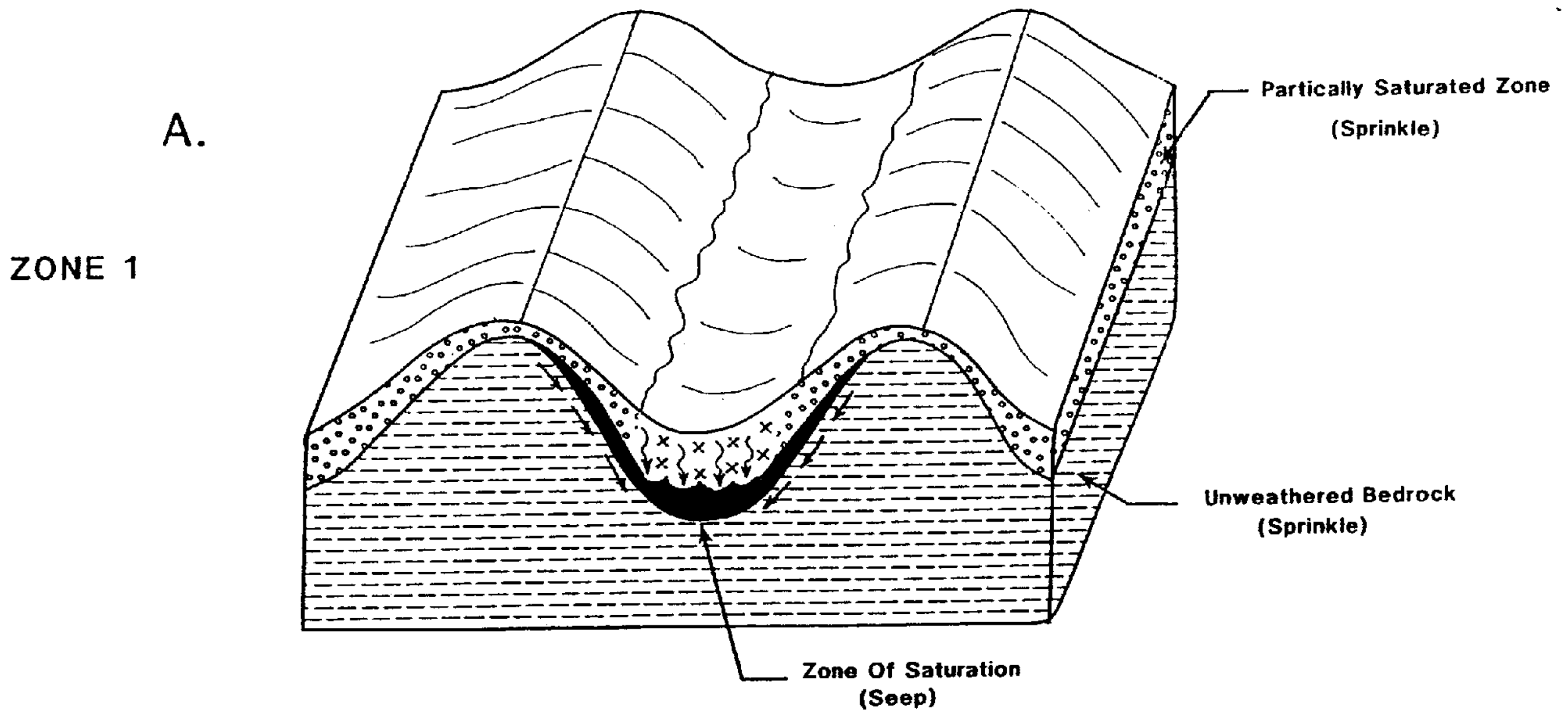
McBride-Ratcliff and Associates, Inc.
Geotechnical Consultants
Houston, Texas

SCALE	MADE	LLD	DATE	2-2-91	FILE NO.
NOTED	CHECK	DA	DATE	2-4-91	89-0697

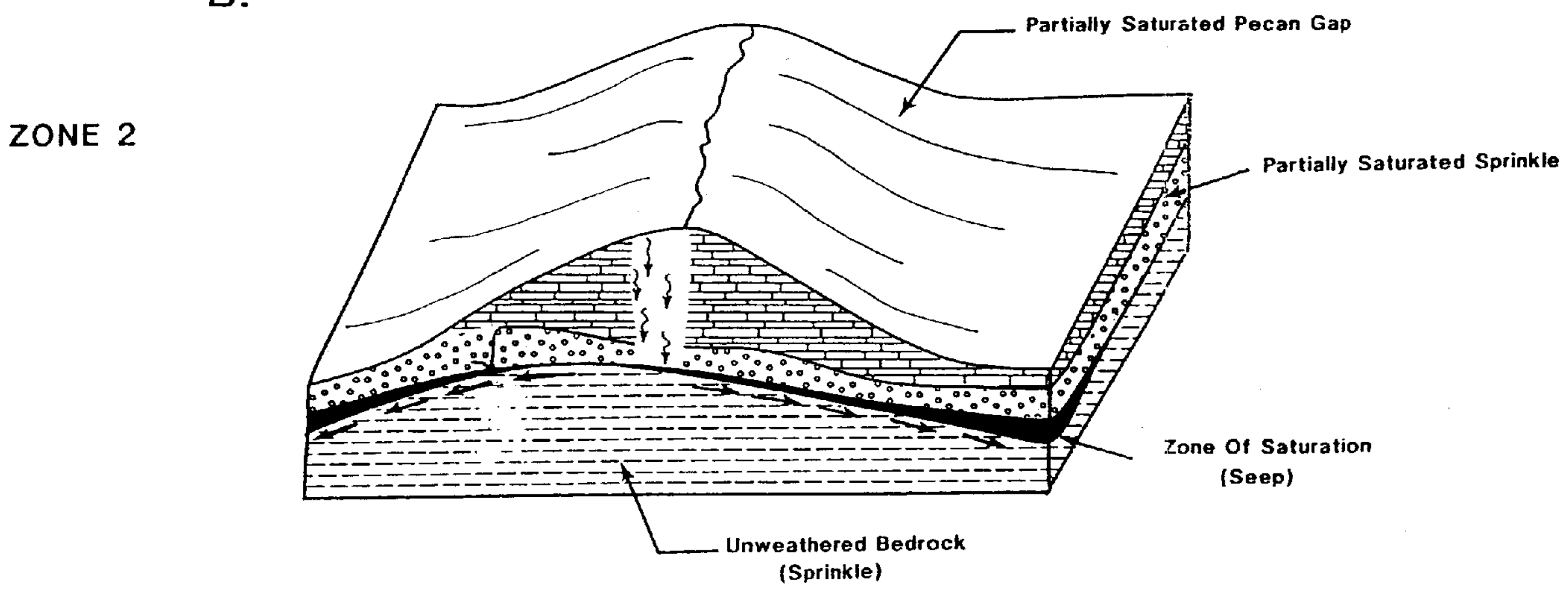
SITE GROUNDWATER CONDITIONS — FIGURE 10

Tech. Complete 2135

SEEPAGE THROUGH WEATHERED SPRINKLE



SEEPAGE THROUGH WEATHERED PECAN GAP



LEGEND:

- ⁙ WEATHERED SPRINKLE
- ▤ WEATHERED PECAN GAP
- ■ SATURATED ZONE
- ▤ UNWEATHERED SPRINKLE
- ⇣ DOWNWARD PERCOLATION
- → FLOW DIRECTION OF GROUNDWATER
- × × SLICKENSIDES

AUSTIN COMMUNITY LANDFILL
HYDROGEOLOGIC STUDY
AUSTIN, TEXAS

WASTE MANAGEMENT OF NORTH AMERICA
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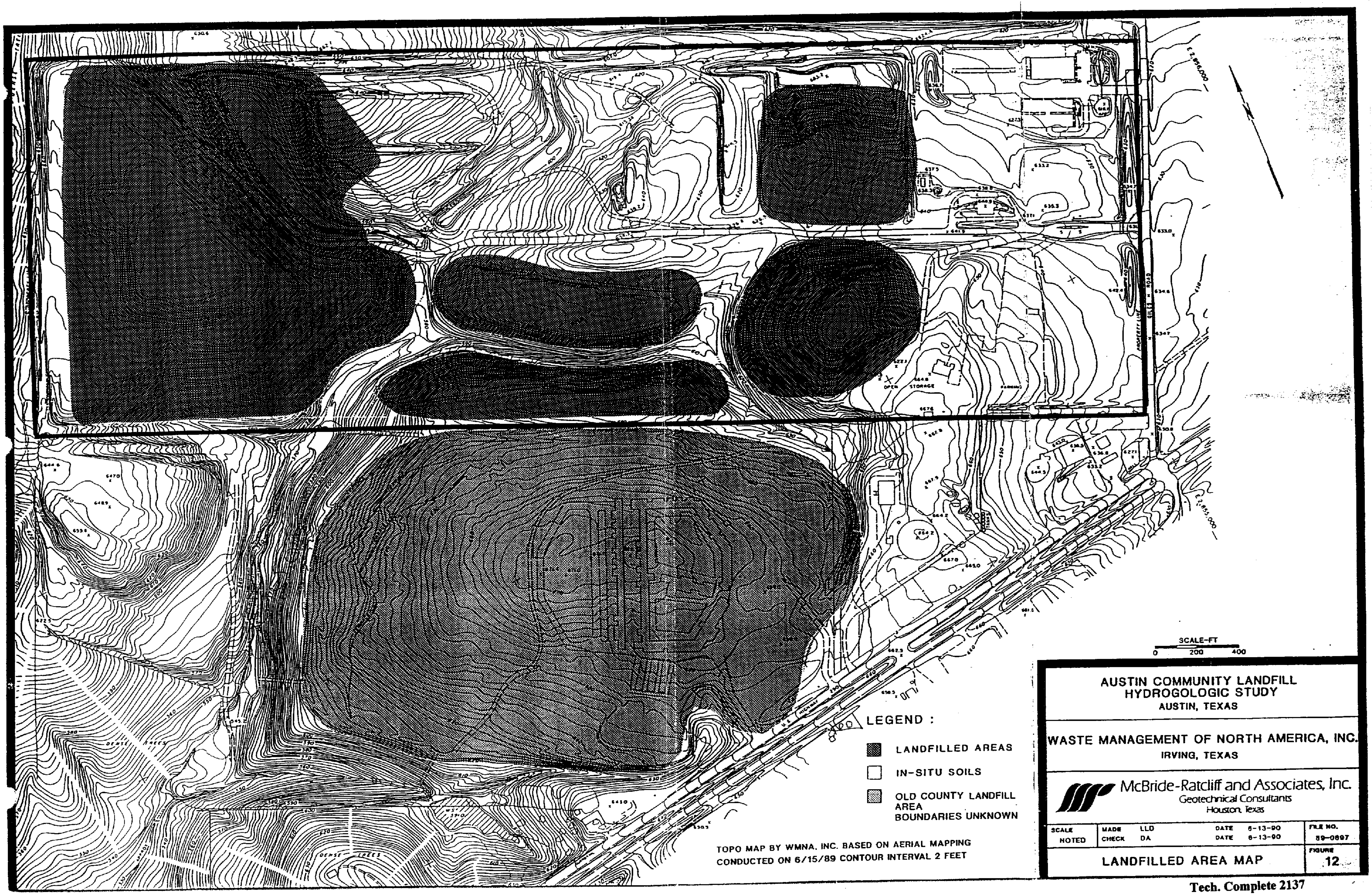
Houston, Texas

SCALE	MADE SMH	DATE 10-27-92	FILE NO. 89-697
-NTS-	CHECK MWT	DATE 10-27-92	

SEEPAGE SCHEMATICS — FIGURE 11



LEGEND :

▩ LANDFILLED AREAS

☐ IN-SITU SOILS

▨ OLD COUNTY LANDFILL AREA BOUNDARIES UNKNOWN

TOPO MAP BY WMNA, INC. BASED ON AERIAL MAPPING
CONDUCTED ON 6/15/89 CONTOUR INTERVAL 2 FEET

AUSTIN COMMUNITY LANDFILL
HYDROGOLOGIC STUDY
AUSTIN, TEXAS

WASTE MANAGEMENT OF NORTH AMERICA, INC.
IRVING, TEXAS

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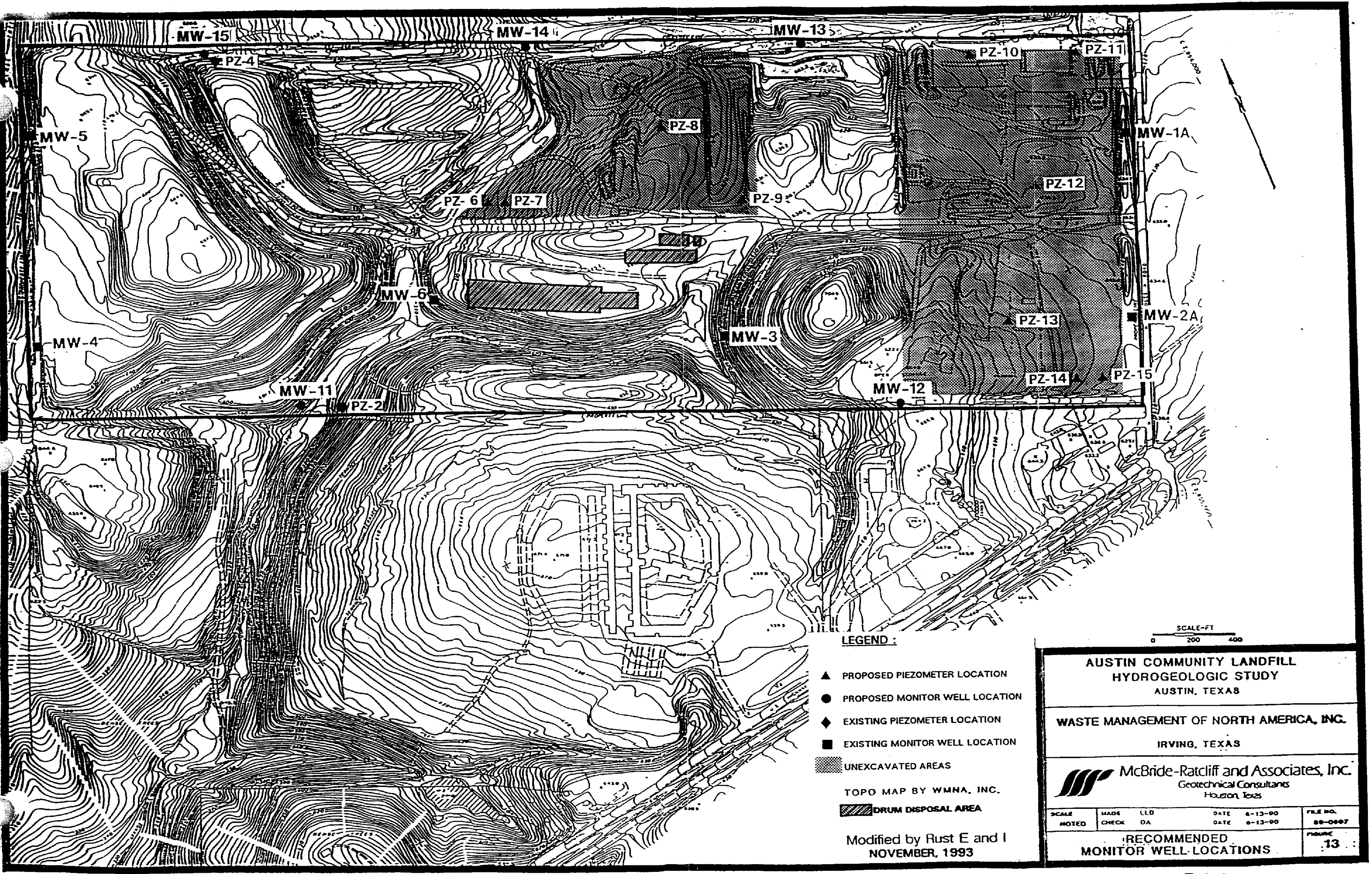
SCALE	MADE LLD	DATE 6-13-90	FILE NO.
NOTED	CHECK DA	DATE 6-13-90	89-0897

LANDFILLED AREA MAP

FIGURE 12

Tech. Complete 2137



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HYDROGEOLOGIC STUDY
AUSTIN, TEXAS

WASTE MANAGEMENT OF NORTH AMERICA, INC.

IRVING, TEXAS

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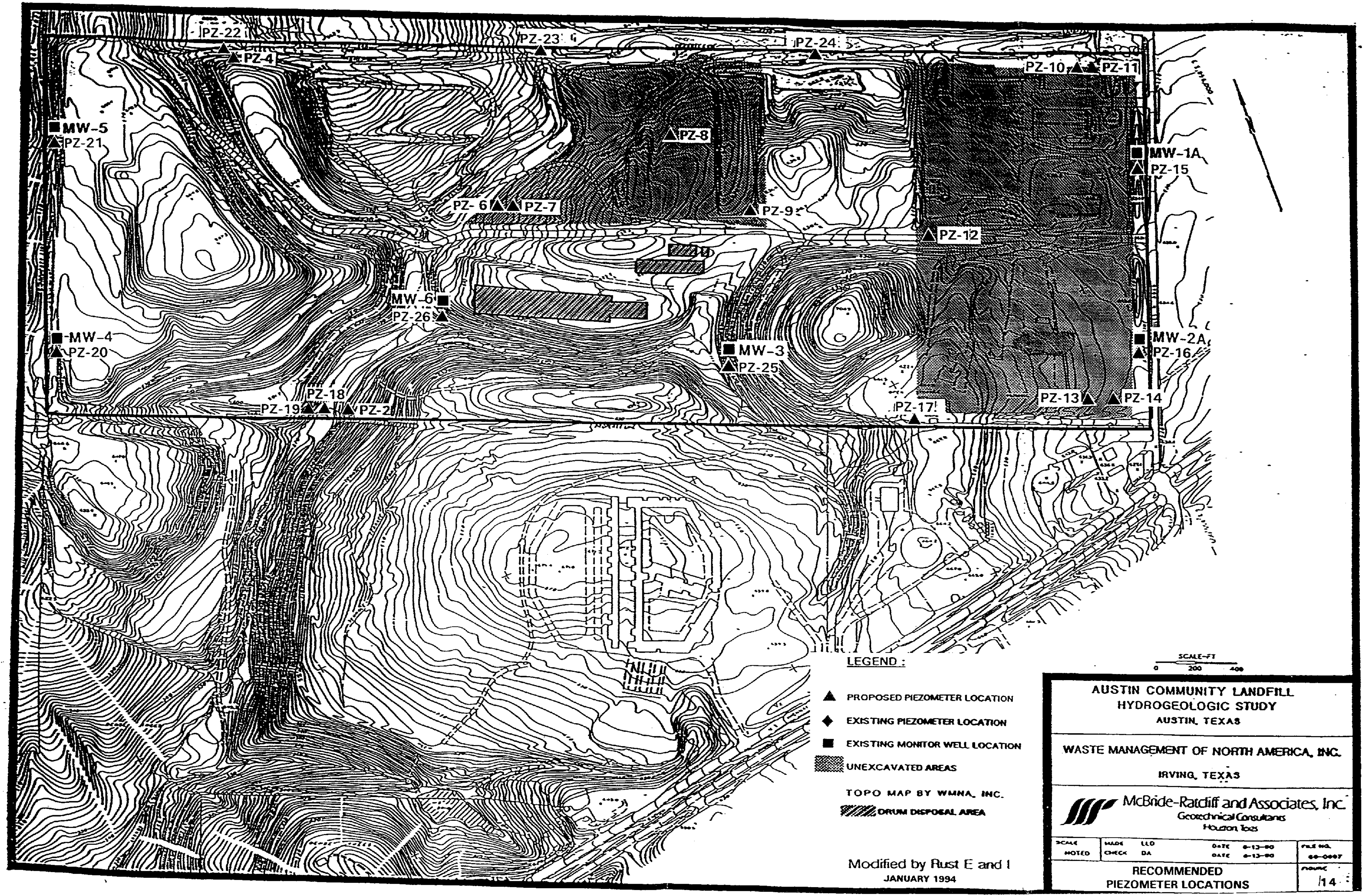
Geotechnical Consultants
Houston, Texas

SCALE NOTED	MADE	LLD	DATE	6-13-90	FILE NO. 88-0007
	CHECK	DA	DATE	6-13-90	

RECOMMENDED
MONITOR WELL LOCATIONS

FIGURE
13



Modified by Rust E and I
JANUARY 1994

AUSTIN COMMUNITY LANDFILL
HYDROGEOLOGIC STUDY
AUSTIN, TEXAS

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SCALE NOTED	MADE	LLO	DATE	6-13-90	FILE NO.	
	CHECK	DA	DATE	6-13-90	90-0007	

RECOMMENDED
PIEZOMETER LOCATIONS

FIGURE
14

Tech. Complete 2139

TABLES

TABLES

Table 1. Stratigraphic Column of Formations and Aquifers in Travis County

SYSTEM	GROUP	FORMATION	AQUIFER UNIT
Quaternary		Alluvium	Alluvium
		Colorado River terraces (lower)	
		Colorado River terraces (upper)	
		Tributary terraces	
		High terraces	
Tertiary	Midway	Wills Point	Midway
		Kincaid	
Cretaceous (Gulfian)	Navarro	Kemp	Navarro and Taylor Group
		Corsicana	
	Taylor	Bergstrom	
		Pecan Gap	
		Sprinkle	
	Austin	Pilot Knob basalt	igneous rock
		Pilot Knob tuff	
		Pflugerville	
		Burditt	
		Dessau	Austin Chalk
		Jonah	
		Vinson	
		Atco	
	Eagle Ford	Eagleford	
		Pepper	
		Buda	
Cretaceous (Comanchean)	Washita	Del Rio	Edwards
		Georgetown	
	Fredricksburg	Edwards	
		Comanche Peak	
		Walnut	
	Trinity	Glen Rose	Upper Trinity
		Hensell	Middle Trinity
		Cow Creek	
		Hammett	
		Sycamore	Lower Trinity

TABLE 2
REGIONAL WATER WELL DATA

TWC Well Number	Owner	Depth (ft)	Aquifer	Water Level Below Ground (ft)	Date Measured	Well Use
58-43-3A	Nancy Peacock	40	Taylor	10.0	11-26-74	Domestic
58-43-301	W. B. Barr	100	---	27.1	1950	---
58-43-304	C. J. Graves	41	Navarro/Taylor	24.1	12-28-72	None
58-43-305	C. R. Anderson	22	Taylor	6.6	4-12-72	Domestic
58-43-306	R. E. Joseph	23	Taylor	18.8	4-12-72	Stock
58-43-307	John Wilder	23	Taylor	20.1	4-12-72	Domestic & Stock
58-43-308	G. B. Heath	27	Navarro/Taylor	25.1	4-12-72	Irrigation
58-43-309	Elmo Miertschin	33	Navarro/Taylor	---	---	Irrigation
58-43-604	Cotton Gin	16	Navarro/Taylor	3.4	12-72	None
58-43-605	R. O. Ranschke	25	Navarro/Taylor	18.3	4-12-72	None
58-44-1	Provident Development	1178	Edwards Assoc. L. S.	30	4-9-90	Irrigation
58-44-102	Albert City	21	Taylor	5.0	4-12-72	Domestic

TABLE 3
LABORATORY TEST RESULTS

Boring No.	Depth (ft)	Moisture Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	Permeability (cm/sec)	Soil Description
PZ-1	2-4	20	67	23	44		CLAY (CH)
	10-12	33	61	24	37		CLAY (CH)
	18-20	24	61	24	37		CLAYSTONE (CH)
PZ-2	2-4	28					
	14-16	34	67	22	45		CLAY (CH)
	20-22	26	64	22	42		CLAY (CH)
	32-34	20	61	24	37		CLAYSTONE (CH)
PZ-3	2-4	31	75	24	51		CLAY (CH)
	8-10	25	60	21	39		CLAY (CH)
	16-18	22	71	24	47		CLAY (CH)
	22-24	19	74	24	50		CLAYSTONE (CH)
PZ-4	4-6	25	59	23	36		CLAY (CH)
	28-30	23	63	22	41		CLAY (CH)
	36-38	26	71	27	44	$6.31x10^{-9}$	CLAYSTONE (CH)
	42-44	21	65	25	40		CLAYSTONE (CH)
PZ-5	10-12	14	54	19	35		CLAY (CH)
	32-34	20	68	27	41		CLAY (CH)
	46-48	40	44	18	26		CLAY (CH)
	54-56	25	64	24	40		CLAY (CH)

TABLE 4
WEATHERED THICKNESS vs. SATURATED THICKNESS

MW-1A	41	19.2
MW-2A	68	46.7
MW-3	62	12.4
MW-4	45	0
MW-5	65	23.7
P-8	65	23.7
P-9	21	8.4
P-10	57	46.3
P-11	48	41.0
P-12	54	43.7
P-14	50	39.0
P-15	53	44.5
PZ-1	18	16.7
PZ-2	30	13.1
PZ-3	21	18.6
PZ-4	46	25.1
PZ-5	52	27.4

TABLE 5
TABULATION TABLE FOR LEACHATE GENERATION PER YEAR

		CLOSED, CLAY COVER AND CLAY LINER		TEMPORARILY CLOSED, 1' CLAY COVER AND CLAY LINER		CLOSED, COMPOSITE COVER AND COMPOSITE LINER		TOTAL LEACHATE/FT.^{3}/ YEAR
Years from Present	Date	Acres	Leachate Produced (ft^3/yr)	Acres	Leachate Produced (ft^3/yr)	Acres	Leachate Produced (ft^3/yr)	Total ft^3/yr
0)	12/31/1993	40	(28040)	55	(33825)	0		61865
1)	12/31/1994	67.5	(47317.5)	27.5	(16912.5)	0		64230
2)	12/31/1995	95	(66595)	0	0	0		66595
3)	12/31/1996	95	(66595)	0	0	5.87	24448.5	91044
4)	12/31/1997	95	(66595)	0	0	11.74	48897.1	115492
5)	12/31/1998	95	(66595)	0	0	17.61	73345.7	139941
6)	12/31/1999	95	(66595)	0	0	23.48	97794.2	164389
7)	12/31/2000	95	(66595)	0	0	29.35	122242.8	188838
8)	12/31/2001	95	(66595)	0	0	35.22	146691.3	213286
9)	12/31/2002	95	(66595)	0	0	41.09	171139.9	237735
10)	12/31/2003	95	(66595)	0	0	46.96	195588.4	262183
11)	12/31/2004	95	(66595)	0	0	52.83	220037.0	286632
12)	12/31/2005	95	(66595)	0	0	58.70	244485.5	311081
13)	12/31/2006	95	(66595)	0	0	64.57	268934.1	335529
14)	12/31/2007	95	(66595)	0	0	70.44	293382.6	359978
15)	12/31/2008	95	(66565)	0	0	76.31	317831.2	384426
16)	12/31/2009	95	(66596)	0	0	82.18	342279.7	408875
17)	12/31/2010	95	(66595)	0	0	88.05	366728.3	433323
18)	12/31/2011	95	(66595)	0	0	93.92	391176.8	457772
19)	12/31/2012	95	(66595)	0	0	99.79	415625.4	482220
20)	12/31/2013	95	(66595)	0	0	105.66	440073.9	506669
21)	12/31/2014	95	(66595)	0	0	111.53	464522.5	531118
22)	12/31/2015	95	(66595)	0	0	117.40	488971.0	555566
23)	12/31/2016	95	(66595)	0	0	123.27	513419.6	580015
24)	12/31/2017	95	(66595)	0	0	129.14	537868.1	604463
25)	12/31/2018	95	(66595)	0	0	135.00	562275.0	628870

TABLE 6
PIEZOMETER AND MONITORING WELL DETAILS

MONITORING POINT	SURFACE	SCREEN					UNWEATHERED CLAYSTONE (UC)		FILTER PACK TOP		SCREENING OF UNWEATHERED CLAYSTONE (UC)
		TOP		BOTTOM		LENGTH					
		Depth (ft)	MSL	Depth (ft)	MSL	(ft)	Depth (ft)	MSL	Depth (ft)	MSL	
PZ - 1	570.2	15	555.2	25	545.2	10	18	552.2	12	558.2	3 ft above UC 7 ft into UC
PZ - 2	589.9	25	564.9	35	554.9	10	30	559.9	23	566.9	5 ft above UC 5 ft into UC
PZ - 3	570	15	555	25	530	10	18	552	14	556	3 ft above UC 7 ft into UC
PZ - 4	634.7	35	599.7	45	589.7	10	39	595.7	33.5	601.2	4 ft above UC 6 ft into UC
PZ - 5	622.10	50	572.1	60	562.1	10	55	567.1	47	575.1	5 ft above UC 5 ft into UC
MW - 1A	623.28	20	603.28	40	583.28	20	36	587.28	10	613.28	16 ft above UC 4 ft into UC
MW - 2A	627.59	35	592.59	55	572.59	20	52	575.59	20	607.59	17 ft above UC 3 ft into UC
MW - 3A	604.78	30	574.78	50	554.78	20	21	583.78	10	594.78	* 20 ft in UC
MW - 4A	660.54	40	620.54	50	610.54	10	46	614.54	10	650.54	16 ft above UC 4 ft into UC
MW - 5A	642.44	45	597.44	55	587.44	10	52	590.44	14	628.44	16 ft above UC 4 ft into UC
MW - 6A	585.62	9.76	575.86	19.76	565.86	10	*	*	8.5	577.12	**

* The screened interval begins 9 feet below the surface of the unweathered claystone.

** Soil borehole logs not found for MW-6.

a:\acl\86860.rpt

TABLE 7
GRADIENT OF MONITORING WELLS IN RELATION TO AREA LANDFILLS

Well Number	ACL*	BFI**	COUNTY LF***
1A	D	NA	NA
2A	D	NA	D
3	D	NA	D
4	U	NA	NA
5	U	NA	NA
6	D	NA	NA
11	D	NA	U
12	U	NA	D
13	U/D	D	NA
14	U	D	NA
15	U	D	NA

* Austin Community Landfill
** BFI/Sunset Farms Landfill
*** Travis County Landfill (closed)

U = Upgradient
D = Downgradient
NA = Not Applicable

APPENDIX A

APPENDIX A

LOGS OF BORINGS, PIEZOMETERS, MONITORING WELLS, AND GAS PROBES

Technically Complete
2150

SOIL BOREHOLE LOG

NAME AND LOCATION
Austin Community Landfill
Austin, Texas

DRILLING METHOD: Hollow Stem Auger

SAMPLING METHOD: Shelby Tube

BORING NO. PZ-1

SHEET 1 OF 1

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
DATE	DATE
4-18-90	4-18-90

DATUM ELEVATION +570

DRILL RIG Mobile B-53

SURFACE CONDITIONS wet, soft clay

ANGLE BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/FT. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
5	2.0 2.0 1.75	▨	Very stiff gray & tan CLAY (CH)	■			20	67	44		
10 15	0.75 1.50 2.50 1.75	▨		■			33	61	37		
20 25	4.5+	▨	Unweathered @ 18' Hard dark gray CLAY (CH)	■			24	61	37		
			Bottom @ 25' Borehole converted to piezometer								

DRILLING CONTR Baker Core Drilling, Inc.

LOGGED BY Dave Adkison

Technically Complete
2151

PIEZOMETER INSTALLATION REPORT

PROJECT: Austin Community Landfill
Austin, Texas

WELL NO: PZ-1

CLIENT: Waste Management of North America, Inc.
Irving, Texas

PROJECT NO: 89-0697

LOCATION: 14+01:E
A+40:N

PIEZOMETER COMPLETION

DATE: 4-18-90

DRY AUGURED 0 TO 25 FT

WASH BORED ____ TO ____ FT

DRILLING FLUID ____

PIEZOMETER DEVELOPMENT

DATE: 4-24-90

METHOD: Bailed

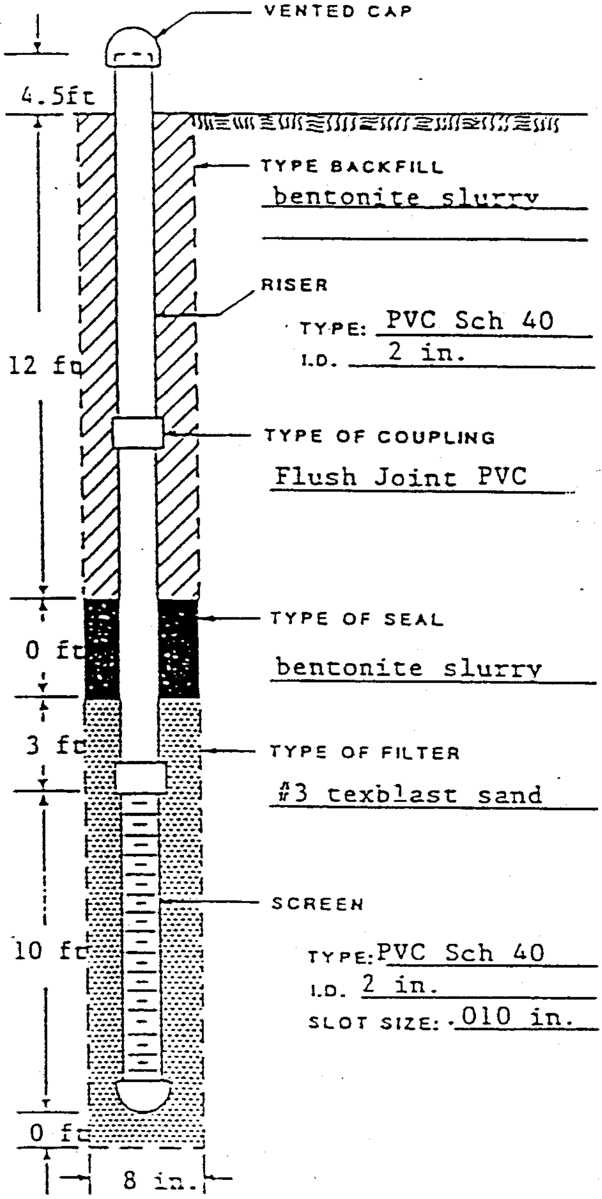
WATER LEVEL READINGS

FREE WATER AT 12 FT

DATE	DEPTH	ELEVATION
4/19/90	7.5*	±567.2
4/24/90	7.2*	±567.5
4/25/90	7.5	±567.2
4/30/90	6.2	±568.9
5/9/90	6.0	±568.7

* - water level measurement obtained prior to piezometer development

DEPTH (FT)	ELEV. (FT)
	±574.7
0	±570.2
12	±558.2
12	±558.2
15	±555.2
25	±545.2
25	±545.2



VENTED CAP

TYPE BACKFILL bentonite slurry

RISER
TYPE: PVC Sch 40
I.D. 2 in.

TYPE OF COUPLING Flush Joint PVC

TYPE OF SEAL bentonite slurry

TYPE OF FILTER #3 texblast sand

SCREEN
TYPE: PVC Sch 40
I.D. 2 in.
SLOT SIZE: .010 in.

REMARKS:

Technically Complete
2152

McBride-Ratcliff and Associates Inc

SOIL BOREHOLE LOG

NAME AND LOCATION
Austin Community Landfill
Austin, Texas

DATUM
ELEVATION +590

DRILLING METHOD: Hollow Stem Auger

SAMPLING METHOD: Shelby Tube

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

BORING NO. PZ-2

SHEET 1 OF 1

DRILLING	
START	FINISH
TIME	TIME
DATE	DATE
4-19	4-19

DRILL RIG Mobile B-53

SURFACE CONDITIONS Hard clay, gently sloping

ANGLE

BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
	4.0		Very stiff gray & tan CLAY (CH) "FILL"								
	3.0						28				
5	4.5+										
10	2.5		Natural @ 10'								
	1.5		Very stiff tan & light gray CLAY (CH)								
15	0.75						34	67	45		
	3.25										
	2.0										
20	2.5		-w/selenite gypsum seams @ 20'				26	64	42		
	4.5+										
25											
30	4.5+		Unweathered @ 30'				20	61	37		
			Hard gray CLAY (CH)								
35											
			Bottom @ 35'								
			Borehole converted to piezometer								

DRILLING CONTR Baker Core Drilling, Inc.

LOGGED BY Dave Adkison

Technically Complete
2153

PIEZOMETER INSTALLATION REPORT

PROJECT: Austin Community Landfill
Austin, Texas

WELL NO: PZ- 2

CLIENT: Waste Management of North America, Inc.
Irving, Texas

PROJECT NO: 89-0697

LOCATION: 14+01:E
4+40:N

PIEZOMETER COMPLETION

DATE: 4-19-90

DRY AUGURED 0 TO 35 FT

WASH BORED ______ TO ______ FT

DRILLING FLUID ______

PIEZOMETER DEVELOPMENT

DATE: 4-24-90

METHOD: Bailed

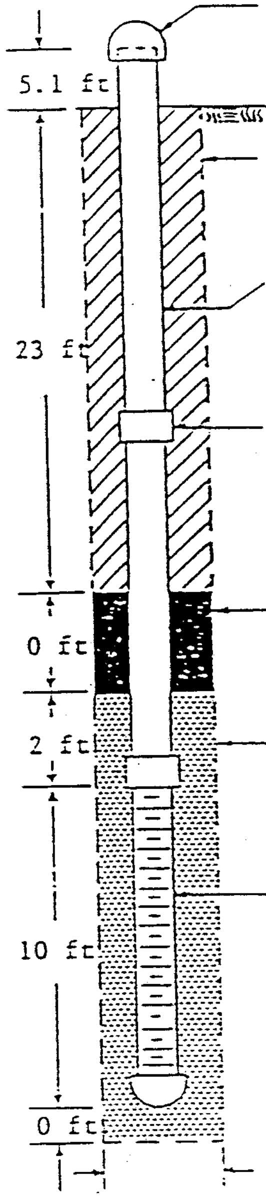
WATER LEVEL READINGS

FREE WATER AT ______ FT

DATE	DEPTH	ELEVATION
4/19/90	Dry*	
4/24/90	18.4*	+576.6
4/25/90	18.7	+576.9
4/30/90	15.6	+573.8
5/9/90	16.3	+573.1

*-Water level measurement obtained prior to development

DEPTH (FT)	ELEV. (FT)
	+595
0	+589.9
23	+566.9
23	+566.9
25	+564.9
35	+554.9
35	+554.9



VENTED CAP

TYPE BACKFILL bentonite slurry

RISER
TYPE: PVC Sch 40
I.D. 2 in.

TYPE OF COUPLING Flush Joint PVC

TYPE OF SEAL Bentonite slurry

TYPE OF FILTER #3 texblast sand

SCREEN
TYPE: PVC Sch 40
I.D. 2 in.
SLOT SIZE: .010 in.

REMARKS:

Technically Complete
2154

SOIL BOREHOLE LOG

AME AND LOCATION
Austin Community Landfill
Austin, Texas

DRILLING METHOD: Hollow Stem Auger

SAMPLING METHOD: Shelby Tube

BORING NO. PZ-3

SHEET 1 OF 1

DRILLING	
START	FINISH
TIME	TIME
DATE	DATE
5-2-90	5-2-90

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DATUM

ELEVATION +570

DRILL RIG Mobile B-53

SURFACE CONDITIONS wet, soft clay

ANGLE

BEARING

SAMPLE HAMMER TORQUE FT.-LBS

							TEST RESULTS				
DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
	2.0		Very stiff tan & gray CLAY (CH)								
	2.0						31	75	51		
5	2.0										
	1.75		-w/calcareous & ferrous nodules @ 8'				25	60	39		
10	3.0										
	1.5										
15	4.5+		-w/selenite gypsum @ 16'				22	71	47		
20			Unweathered @ 18'								
	4.5+		Hard dark gray CLAY (CH)				19	74	50		
25											
			Bottom @ 25'								
			Borehole converted to piezometer								

DRILLING CONTR Baker Core Drilling, Inc.

LOGGED BY Dave Adkison

Technically Complete
2155

PIEZOMETER INSTALLATION REPORT

PROJECT: Austin Community Landfill
Austin, Texas

WELL NO: PZ-3

CLIENT: Waste Management of North America, Inc.
Irving, Texas

PROJECT NO: 89-0697

LOCATION: 14÷50:E
C÷25:N

PIEZOMETER COMPLETION

DATE: 5-2-90

DRY AUGURED 0 TO 25 FT

WASH BORED ____ TO ____ FT

DRILLING FLUID ____

PIEZOMETER DEVELOPMENT

DATE: 5-3-90

METHOD: bailed

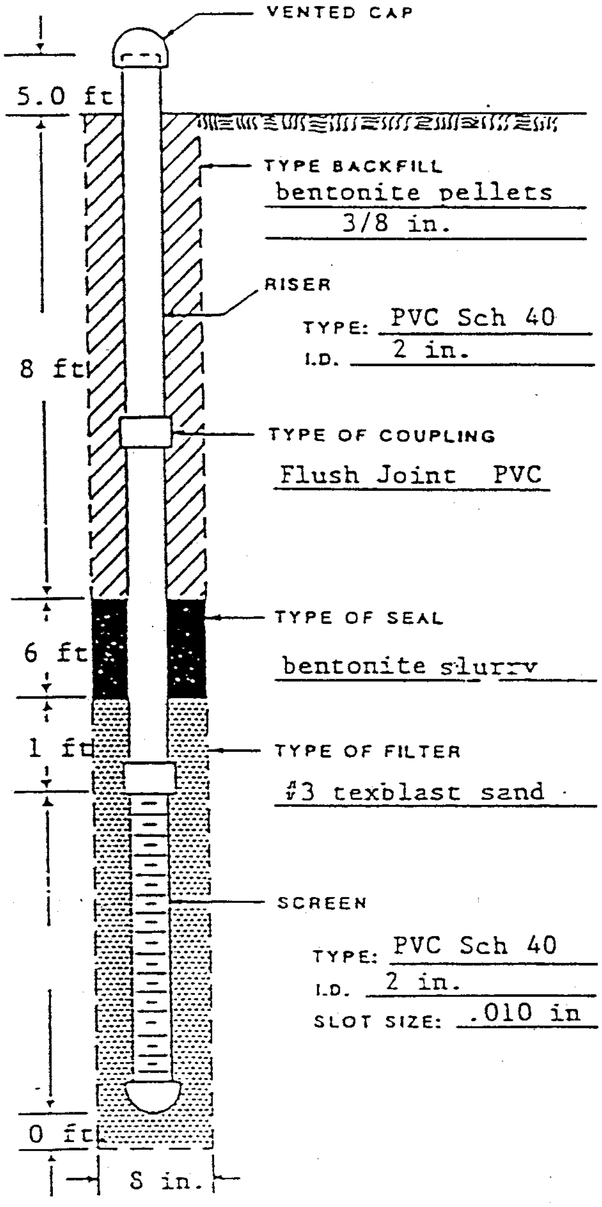
WATER LEVEL READINGS

FREE WATER AT 5 FT

DATE	DEPTH	ELEVATION
4/30/90	4.2'*	÷570.8
5/9/90	4.2'	÷570.8

*-Water level measurement obtained prior to development

DEPTH (FT)	ELEV. (FT)
	÷575
0	÷570
8	÷562
14	÷556
15	÷555
25	÷530
25	÷530



VENTED CAP

TYPE BACKFILL bentonite pellets 3/8 in.

RISER
TYPE: PVC Sch 40
I.D. 2 in.

TYPE OF COUPLING Flush Joint PVC

TYPE OF SEAL bentonite slurry

TYPE OF FILTER #3 texblast sand

SCREEN
TYPE: PVC Sch 40
I.D. 2 in.
SLOT SIZE: .010 in

REMARKS:

Technically Complete
2156

SOIL BOREHOLE LOG

NAME AND LOCATION
Austin Community Landfill
Austin, Texas

DRILLING METHOD: Hollow Stem Auger

BORING NO. P7-4

SAMPLING METHOD: Shelby Tube

SHEET 1 OF 1

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
DATE	DATE
4-17-90	4-17-90

DATUM

ELEVATION +635

DRILL RIG Mobile B-53

SURFACE CONDITIONS wet, medium clay

ANGLE

BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
	2.75		Tan CLAY (CH) "FILL"								
	3.50										
5	3.75		Natural @ 4'				25	59	36		
	3.25		Very stiff tan & gray CLAY (CH)								
10	4.0										
	3.75		-w/selenite gypsum								
	4.5+		-hard @ 14'								
15											
20											
			-w/selenite gypsum								
25											
	4.5+						23	63	41		
30											
35	4.5+						26	71	44		
40			Unweathered @ 39'								
	4.5+		Hard dark gray CLAY (CH)				21	65	40		
45											
			Bottom @ 45'								
			Borehole converted to piezometer								

DRILLING CONTR Baker Core Drilling, Inc.

LOGGED BY Dave Adkison

Technically Complete
2157

PIEZOMETER INSTALLATION REPORT

PROJECT: Austin Community Landfill
Austin, Texas

WELL NO: PZ-4

CLIENT: Waste Management of North America, Inc.
Irving, Texas

PROJECT NO: 89-0697

LOCATION: 8+113:E
R+89:N

PIEZOMETER COMPLETION

DATE: 4-18-90

DRY AUGURED 0 TO 45' FT

WASH BORED ______ TO ______ FT

DRILLING FLUID ______

PIEZOMETER DEVELOPMENT

DATE: 4-24-90

METHOD: Bailed

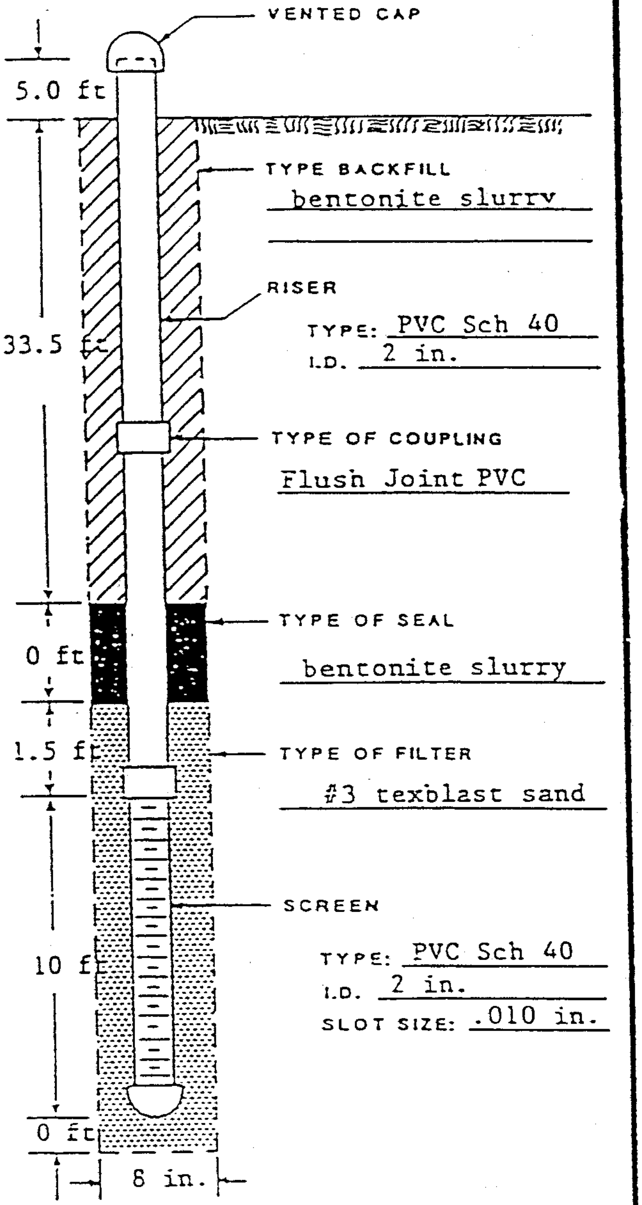
WATER LEVEL READINGS

FREE WATER AT ______ FT

DATE	DEPTH	ELEVATION
4/19/90	Dry	
4/24/90	34.7*	÷605.0
4/25/90	40.5	+599.2
4/30/90	32.35	+607.35
5/9/90	28.6	+611.1

*-Water level measurement obtained prior to piezometer development.

DEPTH (FT)	ELEV. (FT)
	÷639.7
0	+634.7
33.5	÷601.2
33.5	÷601.2
35	÷599.7
45	÷589.7
45	÷589.7



TYPE BACKFILL: bentonite slurry

RISER
TYPE: PVC Sch 40
I.D. 2 in.

TYPE OF COUPLING: Flush Joint PVC

TYPE OF SEAL: bentonite slurry

TYPE OF FILTER: #3 texblast sand

SCREEN
TYPE: PVC Sch 40
I.D. 2 in.
SLOT SIZE: .010 in.

REMARKS:

Technically Complete
2158

SOIL BOREHOLE LOG

ME AND LOCATION
Austin Community Landfill
Austin, Texas

DRILLING METHOD: Hollow Stem Auger

SAMPLING METHOD: Shelby Tube

BORING NO. PZ-5

SHEET 1 OF 1

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
DATE	DATE
4-16	4-16

DATUM

ELEVATION +622

DRILL RIG Mobile B-53

SURFACE CONDITIONS flat, hard clay

ANGLE

BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/FT. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS				
							WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
	4.5+		Tan CLAY (CH) "FILL"								
5			Dark gray CLAY (CH) Natural @ 1' -tan @ 6'								
	4.5+		-dark gray clay seams @ 12'-20'				14	54	35		
15											
20			Tan CLAY (CH)								
25											
30	4.5+						20	68	41		
35			-water @ 34'								
40			-w/selenite gypsum								
45			-hard								
50			-w/dark gray clay seams @ 51'-55'								
55			Unweathered @ 55' Hard dark gray CLAY (CH)								
			Bottom @ 60'								
			Borehole converted to piezometer								

DRILLING CONTR Baker Core Drilling, Inc.

LOGGED BY Dave Adkison

Technically Complete
2159

PIEZOMETER INSTALLATION REPORT

PROJECT: Austin Community Landfill
Austin, Texas

WELL NO: PZ- 5

CLIENT: Waste Management of North America, Inc.
Irving, Texas

PROJECT NO: 89-0697

LOCATION: 41+63:E
R+78:N

PIEZOMETER COMPLETION

DATE: 4-16-90

DRY AUGURED 0 TO 60 FT

WASH BORED ____ TO ____ FT

DRILLING FLUID ____

PIEZOMETER DEVELOPMENT

DATE: 4-24-90

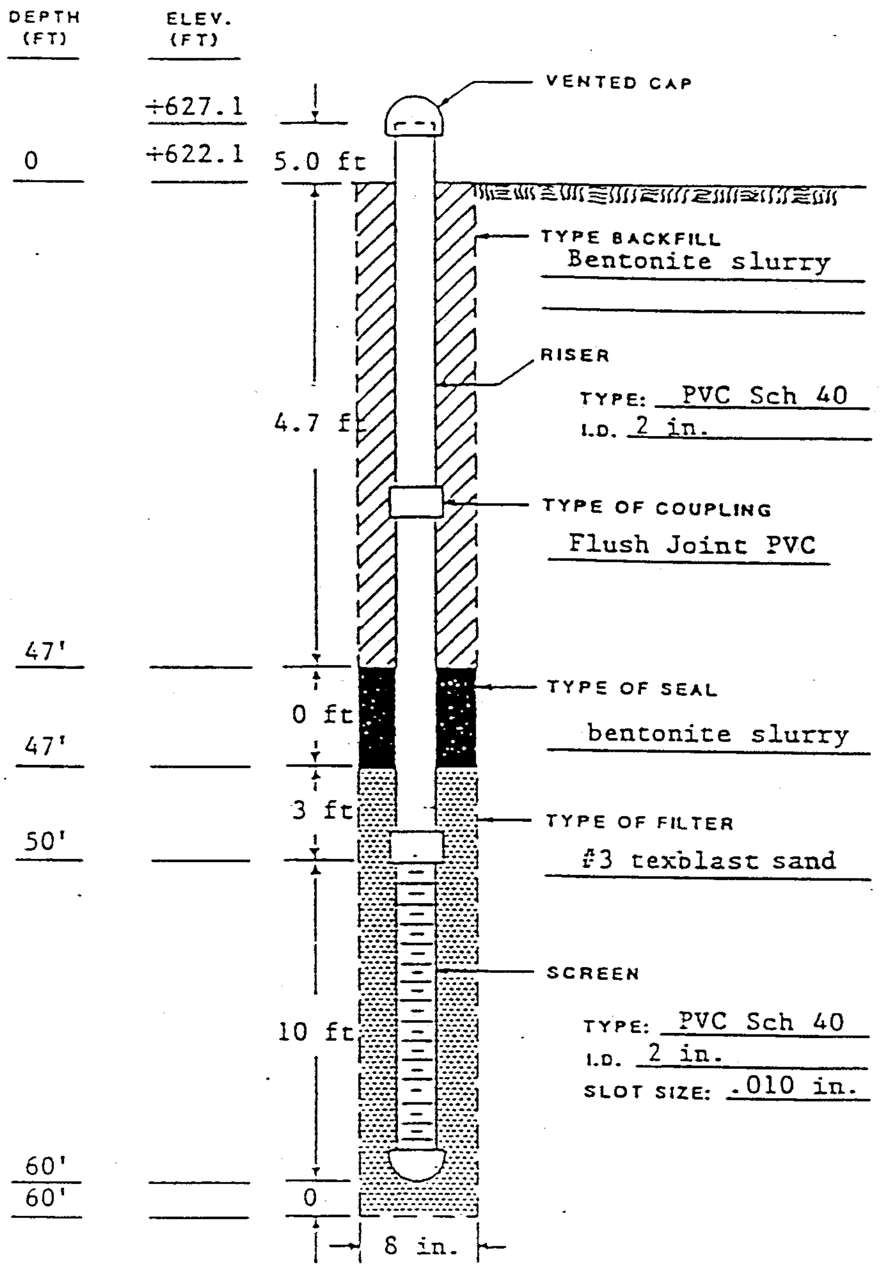
METHOD: Bailed

WATER LEVEL READINGS

FREE WATER AT 34 FT

DATE	DEPTH	ELEVATION
4/19/90	30.5*	+596.6
4/24/90	27.1	+600.0
4/25/90	29.9	+597.2
4/30/90	26.72	+600.38
5/9/90	25.7	+601.4

*-Water level measurement obtained prior to piezometer development.



VENTED CAP

TYPE BACKFILL: Bentonite slurry

RISER
TYPE: PVC Sch 40
I.D. 2 in.

TYPE OF COUPLING: Flush Joint PVC

TYPE OF SEAL: bentonite slurry

TYPE OF FILTER: #3 texblast sand

SCREEN
TYPE: PVC Sch 40
I.D. 2 in.
SLOT SIZE: .010 in.

REMARKS:

Technically Complete
2160

Casing and Water Elevations in Monitor Wells

		Elevation	Remarks
MW-1A	Casing Top	626.33	
	Pad Top	623.80	
	Ground Surface	623.28	
	Water Level	-	Dry
MW-2A	Casing Top	630.50	
	Pad Top	628.07	
	Ground Surface	627.59	
	Water Level	611.83	
MW-3	Casing Top	607.43	
	Pad Top	605.06	
	Ground Surface	604.78	
	Water Level	594.60	
MW-4	Casing Top	662.69	
	Pad Top	660.54	
	Ground Surface	660.03	
	Water Level		Dry
MW-5	Casing Top	645.41	
	Pad Top	642.92	
	Ground Surface	642.44	
	Water Level	615.92	

Water levels measured 15 April, 1982.

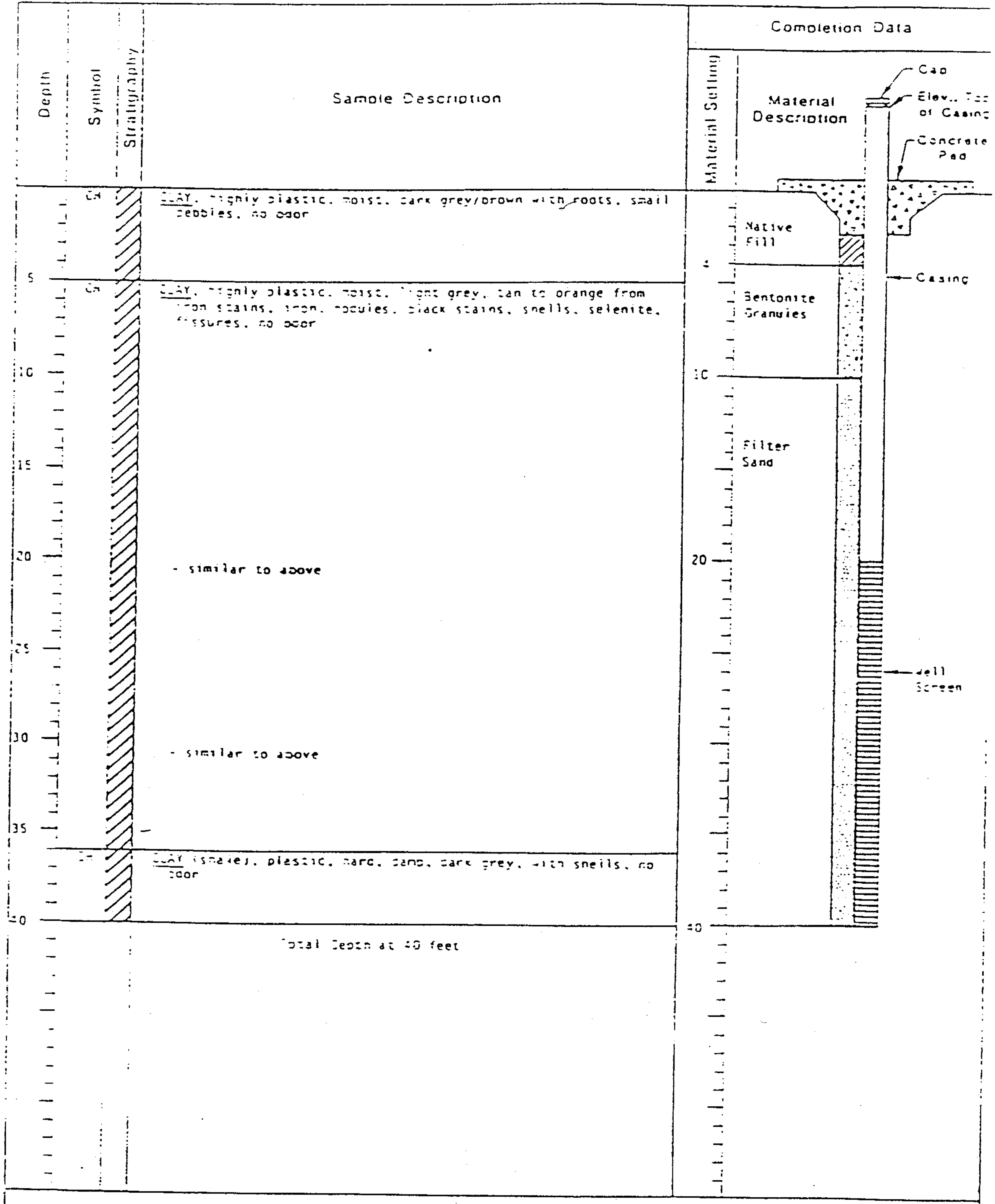
Monitor Well Installation

Client: Austin Community Disposal Co., Inc. Job No.: [illegible] Date Drilled: [illegible] Well No.: [illegible]

Site: Austin Elevation: Pad ______ Top of PVC Casing ______

Total Depth: [illegible] Casing Size & Type: [illegible] Flush Threaded PVC Screen Size: [illegible]

Comments: ______



CLAY, highly plastic, moist, dark grey/brown with roots, small pebbles, no odor

CLAY, highly plastic, moist, light grey, tan to orange from iron stains, iron nodules, black stains, shells, selenite, fissures, no odor

- similar to above

- similar to above

CLAY (shaley), plastic, hard, damp, dark grey, with shells, no odor

Total Depth at 40 feet

Underground Resource Management, Inc.
Austin, Texas

Technically Complete
2162

Monitor Well Data Sheet

Monitor Well I.D. No. MW01A

Permit No. 249-A

Latitude : 30° 20' 36.5"

Longitude : 97° 37' 53.5"

Well Boring Diameter : 8 in.

Ground Surface Elevation : 623.28

Report all Depths from Surface Elevation

Well Depth : 40.0 ft.

Water Level Elevation : 590.6

Screen Bottom:

(1) Depth : 40.0 ft.

(2) Elevation : 583.28 ft.

Gravel Pack

(1) Depth : 10.0 ft.

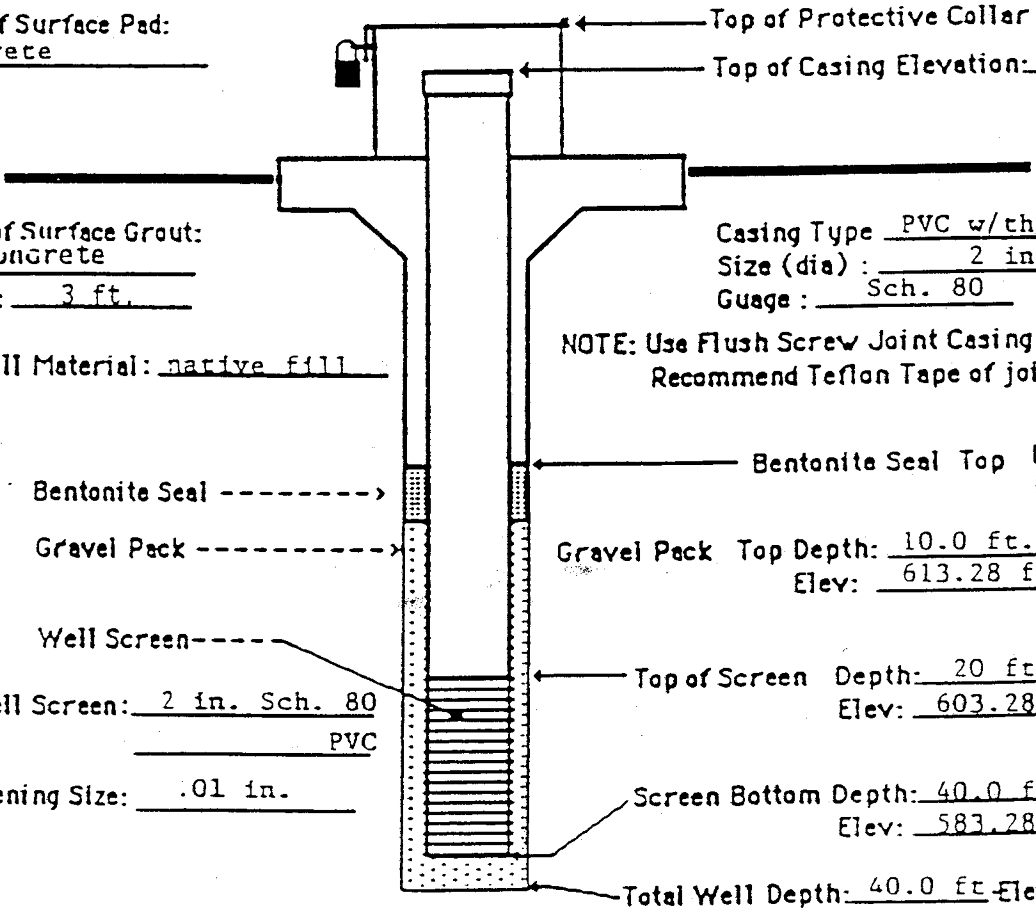
(2) Elevation : 613.28 ft.

SKETCH:

Type of Locking Device: Steel pipe w/locking cap

Type of Casing Protection : Steel pipe

Type of Surface Pad: Concrete



Top of Protective Collar Elevation:

Top of Casing Elevation: 626.33

Surface Elevation: 623.28

Type of Surface Grout: concrete

Depth: 3 ft.

Casing Type PVC w/threaded joints

Size (dia) : 2 in.

Guage : Sch. 80

NOTE: Use Flush Screw Joint Casing Only 40" or larger
Recommend Teflon Tape of joints

Backfill Material: native fill

Bentonite Seal Top Depth: 4.0 ft.
Elev: 619.28 ft.

Gravel Pack Top Depth: 10.0 ft.
Elev: 613.28 ft.

Top of Screen Depth: 20 ft.
Elev: 603.28 ft.

e of Well Screen: 2 in. Sch. 80 PVC

een Opening Size: .01 in.

Screen Bottom Depth: 40.0 ft.
Elev: 583.28 ft.

Total Well Depth: 40.0 ft Elev: 583.28 ft.

Technically Complete
2163

Monitor Well Installation

Client: Austin Community Disposal Co., Inc. Job No.: [illegible] Date Drilled: [illegible] Well No.: [illegible]

Site: Austin Elevation: Pad ______ Top of PVC Casing ______

Total Depth: 55' Casing Size & Type: 2" I.D. Flush Threaded PVC Screen Size: [illegible]

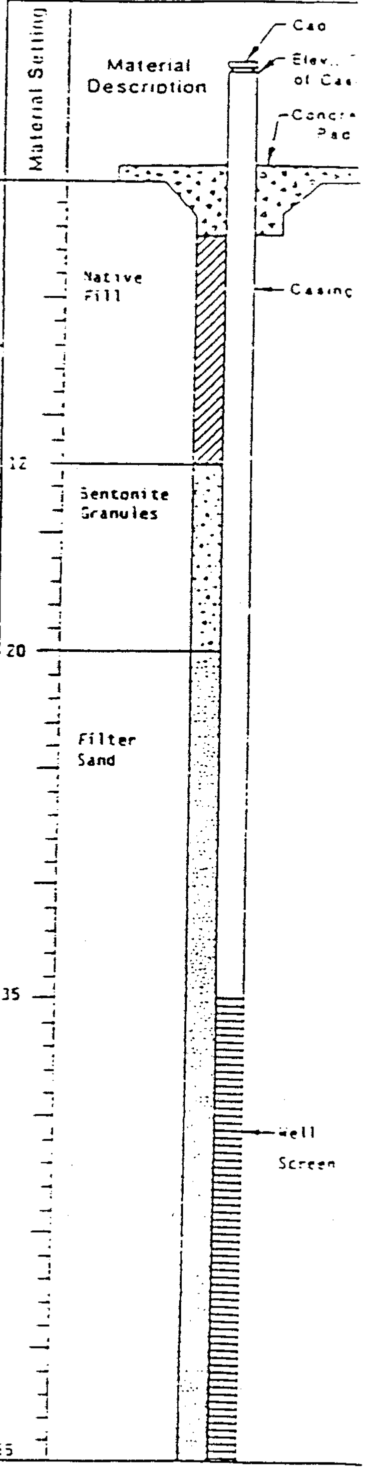
Comments: ______

Depth	Symbol	Stratigraphy	Sample Description
0	CH	▨	CLAY, highly plastic, 5% gravel, stiff, moist, dark to medium grey with roots
7	CH	▨	CLAY, highly plastic, stiff, moist, light grey, stained tan to orange by iron, iron nodules, black stains, shells, selenite
20		▨	- similar to above
30		▨	- similar to above
40		▨	- similar to above
50		▨	- similar to above
52	CH	▨	CLAY (shale), plastic, hard, damp, dark grey, with shells, no odor
55			Total Depth is 55 feet

575.

Completion Data

Material Setting	Material Description
0–12	Native Fill
12–20	Bentonite Granules
20–55	Filter Sand



Underground Resource Management, Inc.
Austin, Texas

Technically Complete
2164

Monitor Well Data Sheet

Monitor Well I.D. No. MW02A

Permit No. 249-A

Latitude : 30° 19' 57.3'

Longitude : 97° 37' 23.5"

Well Boring Diameter : 8 in.

Ground Surface Elevation : 627.59 ft.

Report all Depths from Surface Elevation

Well Depth : 55.0 ft.

Water Level Elevation : 619.7

Screen Bottom:

(1) Depth : 55.0 ft.

(2) Elevation : 572.59

Gravel Pack

(1) Depth : 20.0 ft.

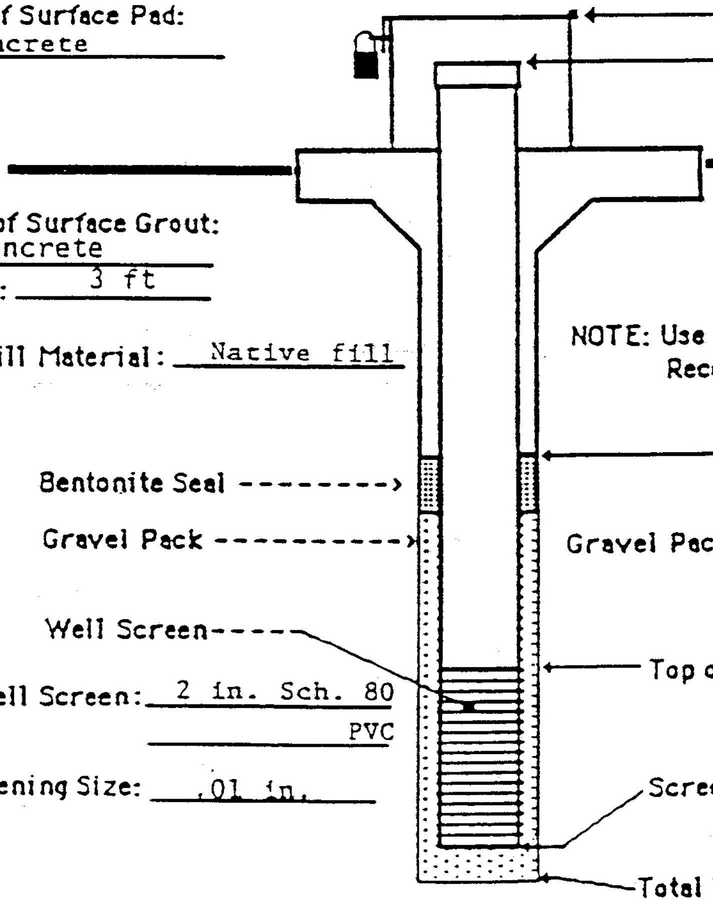
(2) Elevation : 607.59 ft.

SKETCH:

Type of Locking Device: Steel pipe w/locking cap

Type of Casing Protection steel pipe

Type of Surface Pad: concrete



Top of Protective Collar Elevation:

Top of Casing Elevation: 630.50 ft.

Surface Elevation: 627.59 ft.

Type of Surface Grout: concrete

Depth: 3 ft

Casing Type PVC w/threaded joints

Size (dia) : 2 in.

Guage : Sch. 80

NOTE: Use Flush Screw Joint Casing Only 4 0" or larger
Recommend Teflon Tape of joints

Backfill Material: Native fill

Bentonite Seal Top Depth: 12.0 ft.
Elev: 615.59 ft.

Gravel Pack Top Depth: 20.0 ft.
Elev: 607.59 ft.

Top of Screen Depth: 35.0 ft.
Elev: 592.59 ft.

pe of Well Screen: 2 in. Sch. 80 PVC

reen Opening Size: .01 in.

Screen Bottom Depth: 55.0 ft
Elev: 572.59 ft.

Total Well Depth: 55.0 ft Elev: 572.59 ft.

Technically Complete
2165

Monitor Well Installation

Client: Austin Community Disposal Co., Inc. Job No.: [illegible] Date Drilled: [illegible]/31/92 Well No.: __

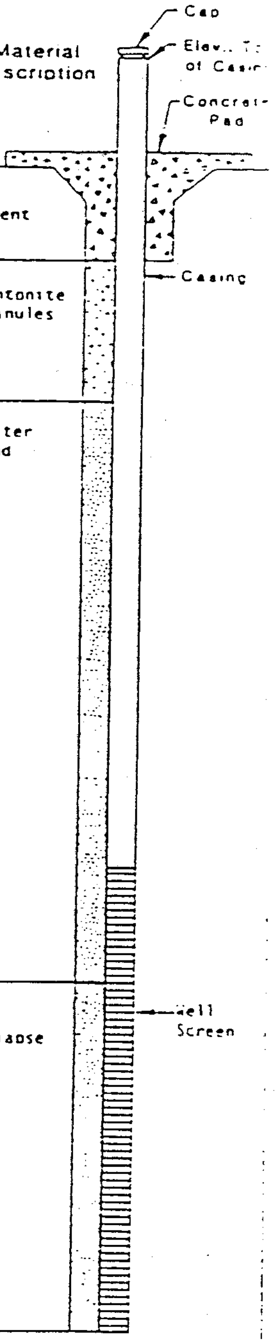
Site: Austin - Elevation: Pad 605.05' Top of PVC Casing 607.41'

Total Depth: 50' Casing Size & Type: [illegible] Flush Threaded PVC Screen Size: 0.008 Gauge

Comments:

Depth	Symbol	Sample Description	Material Setting	Material Description
0	F. CH	CLAY, fill, highly plastic, 2% very fine sand, firm, damp, tan to brown, selenite, no odor, refuse, occasional grey clay nodules	0	Cement
5		- similar to above	4	Bentonite Granules
10			10	Filter Sand
12	CH	CLAY, highly plastic, firm, moist, light grey, iron stained, iron nodules, selenite, no odor		
15				
20			20	
21	CH	CLAY, moderately plastic, hard, damp, dark grey, shells, aragonite deposits		
25				
30		- similar to above	30	
35		- similar to above	35	Collapse
40		- similar to above		
45		- similar to above		
50		Total Depth at 50 feet	50	

Completion Data



Underground Resource Management, Inc.
Austin, Texas

Technically Complete
2166

Monitor Well Data Sheet

Monitor Well I.D. No. MW03

Permit No. 249-A

Latitude : 30° 2[illegible]' [illegible]"

Longitude : [illegible] 34' [illegible]"

Well Boring Diameter : 8 in.

Ground Surface Elevation : 604.78 ft.

Report all Depths from Surface Elevation

Well Depth : 50.0 ft.

Water Level Elevation : 579.9 ft.

Screen Bottom:

(1) Depth : 50.0 ft.

(2) Elevation : 554.78 ft.

Gravel Pack

(1) Depth : 10.0 ft.

(2) Elevation : 594.78 ft.

SKETCH:

Type of Locking Device: Steel pipe w/locking cap

Type of Casing Protection : steel pipe

Type of Surface Pad: concrete

Top of Protective Collar Elevation: ——

Top of Casing Elevation: 607.43 ft.

Surface Elevation: 604.78

Type of Surface Grout: concrete

Depth: 4 ft.

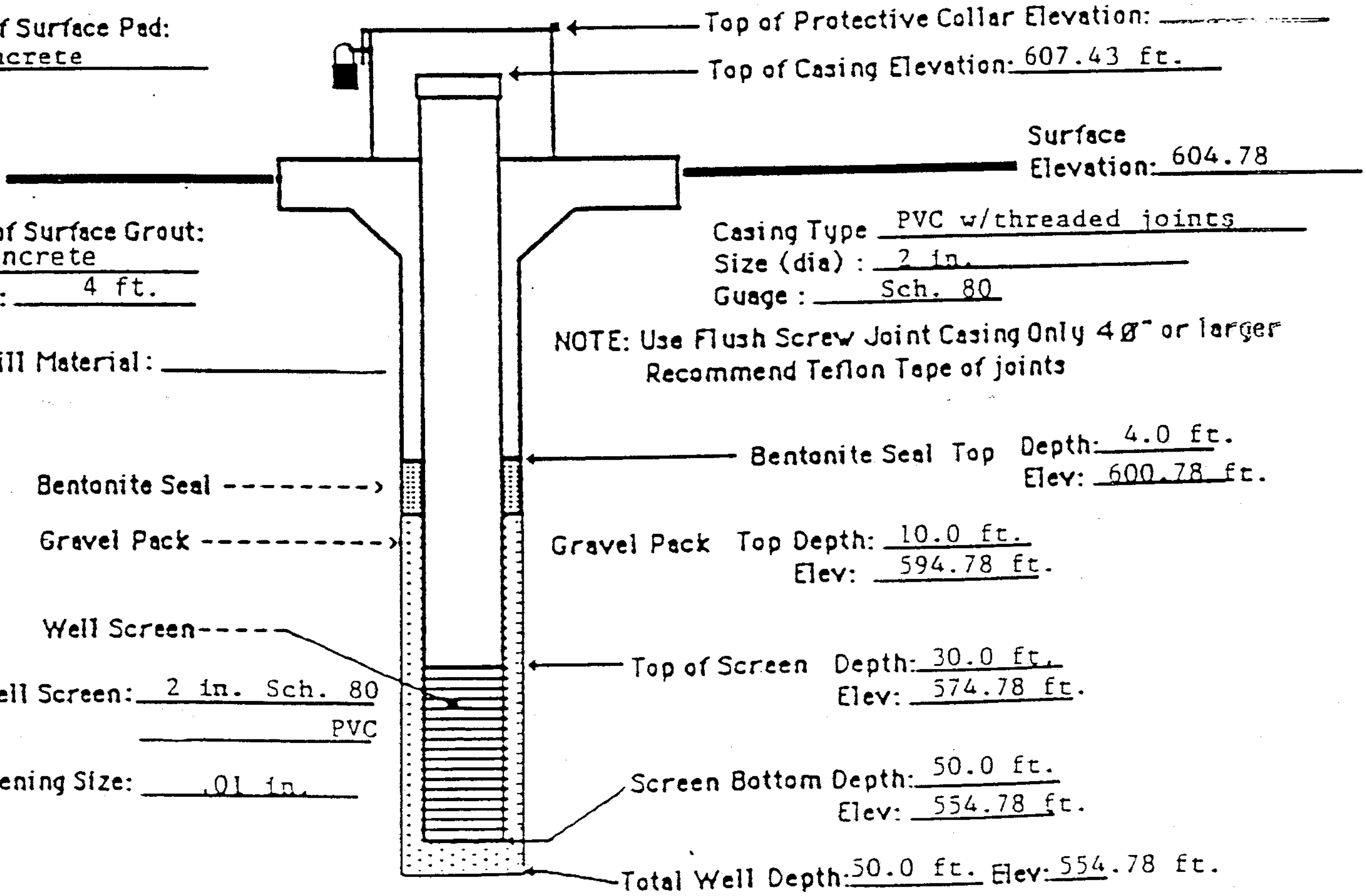
Casing Type PVC w/threaded joints

Size (dia) : 2 in.

Guage : Sch. 80

NOTE: Use Flush Screw Joint Casing Only 4Ø" or larger
Recommend Teflon Tape of joints

Backfill Material:



Bentonite Seal Top Depth: 4.0 ft.
Elev: 600.78 ft.

Gravel Pack Top Depth: 10.0 ft.
Elev: 594.78 ft.

Top of Screen Depth: 30.0 ft.
Elev: 574.78 ft.

ype of Well Screen: 2 in. Sch. 80 PVC

creen Opening Size: .01 in.

Screen Bottom Depth: 50.0 ft.
Elev: 554.78 ft.

Total Well Depth: 50.0 ft. Elev: 554.78 ft.

Technically Complete
2167

Monitor Well Installation

Client: Austin Community Disposal Co., Inc. Job No.: 132-304 Date Drilled: 03/29/92 Well No.: 1

Site: Austin Elevation: Pad 560.54' Top of PVC Casing 562.59'

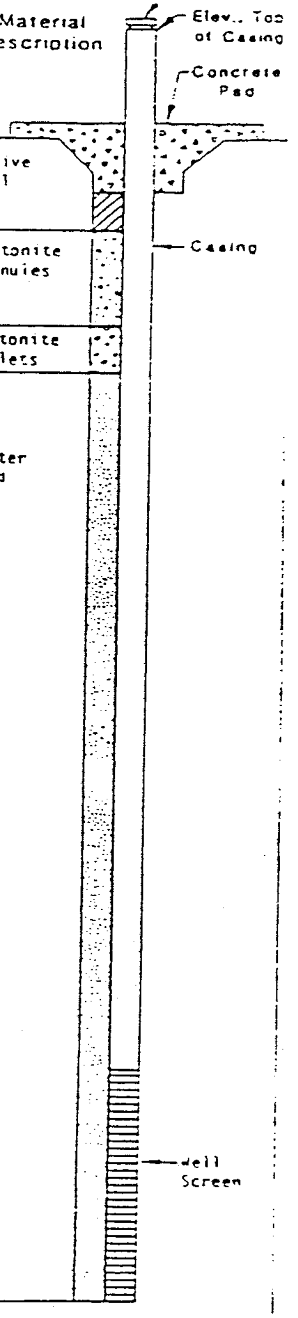
Total Depth: 50' Casing Size & Type: 2" I.D. Flush Threaded PVC Screen Size: 0.008 Gauge

Comments:

Depth	Symbol	Stratigraphy	Sample Description
0	CH	▨	CLAY, highly plastic, stiff, 5% gravel, moist, dark grey, roots, no odor
3	CH	▨	CLAY, highly plastic, stiff, moist, light grey, iron stains, black stains, fissures filled with dry white clay, shells, iron nodules
10		▨	- similar to above
15		▨	- similar to above
20		▨	- similar to above
25		▨	- similar to above
30		▨	- similar to above
35		▨	- similar to above
40		▨	- similar to above
46	CH	▨	CLAY (shale), plastic, hard, dark grey
50			Total Depth at 50 feet

Completion Data

Material Setting	Material Description
0	Native Fill
4	Bentonite Granules
8	Bentonite Pellets
10	Filter Sand
40	
50	



Underground Resource Management, Inc.
Austin, Texas

Technically Complete
2168

Monitor Well Data Sheet

Monitor Well I.D. No. MW04

Permit No. 249-A

Latitude : 38° 35' 13.3"

Longitude : 47° 38' 3.3"

Well Boring Diameter : 8 in.

Ground Surface Elevation : 660.54 ft.

Report all Depths from Surface Elevation

Well Depth : 50.0 ft.

Water Level Elevation : dry

Screen Bottom:

(1) Depth : 50.0 ft.

(2) Elevation : 610.54 ft.

Gravel Pack

(1) Depth : 10.0 ft.

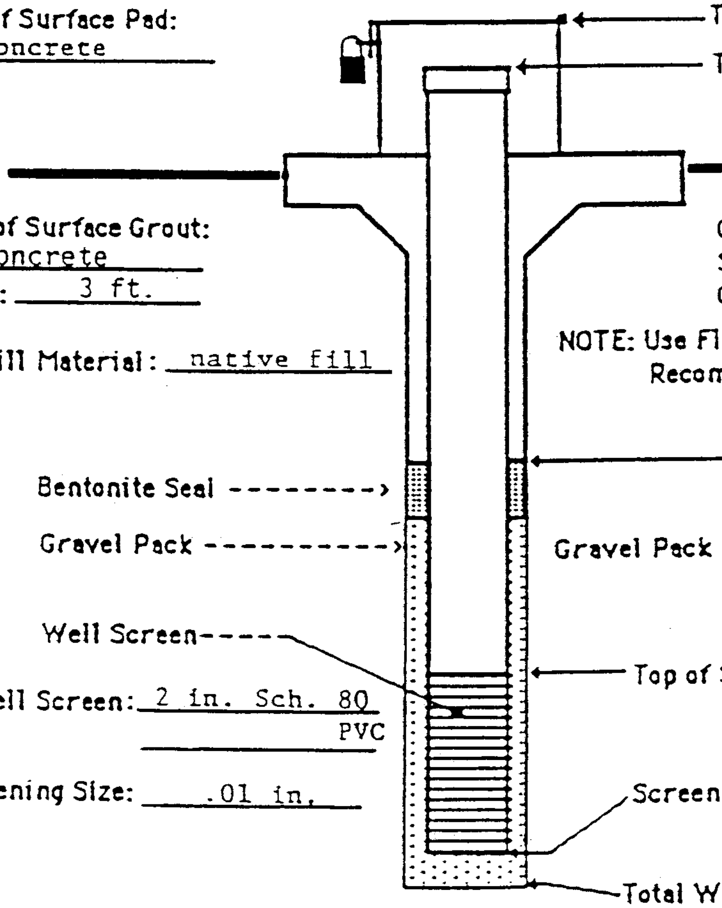
(2) Elevation : 650.54 ft.

SKETCH:

Type of Locking Device: Steel pipe w/locking cap

Type of Casing Protection : Steel pipe

Type of Surface Pad: concrete



Top of Protective Collar Elevation:

Top of Casing Elevation: 662.69 ft.

Surface Elevation: 660.54 ft.

Type of Surface Grout: concrete

Depth: 3 ft.

Casing Type PVC w/threaded joints

Size (dia) : 2 in.

Guage : Sch. 80

NOTE: Use Flush Screw Joint Casing Only 4 0" or larger
Recommend Teflon Tape of joints

Backfill Material: native fill

Bentonite Seal Top Depth: 4.0 ft.
Elev: 656.54 ft.

Gravel Pack Top Depth: 10.0 ft.
Elev: 650.54 ft.

Top of Screen Depth: 40.0 ft.
Elev: 620.54 ft.

e of Well Screen: 2 in. Sch. 80 PVC

een Opening Size: .01 in.

Screen Bottom Depth: 50.0 ft.
Elev: 610.54 ft.

Total Well Depth: 50.0 ft. Elev: 610.54 ft.

Technically Complete
2169

Monitor Well Installation

Client: Austin Community Disposal Co., Inc. Job No.: 192-604 Date Drilled: 03/23/92 Well No.: 5

Site: Austin - Elevation: Pad 542.92' Top of PVC Casing 545.41'

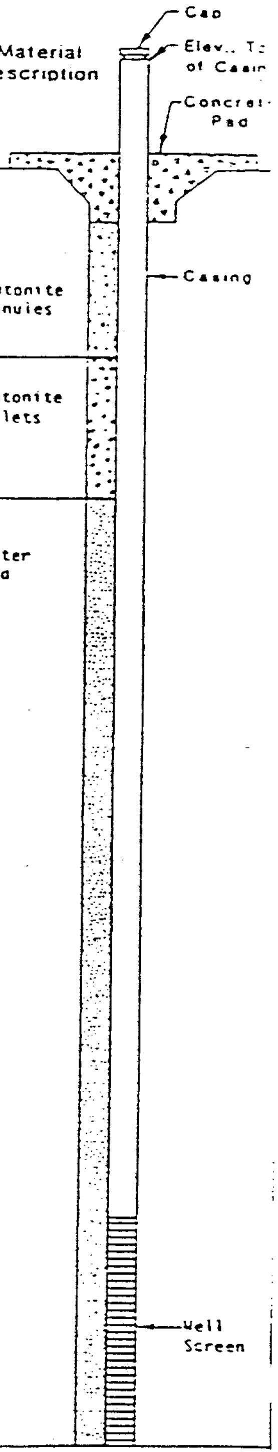
Total Depth: 55' Casing Size & Type: 2" I.D. Flush Threaded PVC Screen Size: 0.008 Gauge

Comments:

Depth	Symbol	Stratigraphy	Sample Description
	CH		CLAY, highly plastic, very stiff, 5% gravel, dark grey, roots, no odor
5	CH		CLAY, highly plastic, very stiff, light grey, iron stains, iron nodules, black stains, selenite, no odor
10			
15			- similar to above
20			- similar to above
25			- similar to above
30			- similar to above
35			- similar to above
40			- similar to above
45			- similar to above
50			- similar to above, with 5-10% medium grained sand
	CH		CLAY, plastic, hard, dark grey, no odor
55			Total Depth at 55 feet

Completion Data

Material Setting	Material Description
3	Bentonite Granules
8	Bentonite Pellets
14	Filter Sand
45	
55	



Underground Resource Management, Inc.
Austin, Texas

Technically Complete
2170

Monitor Well Data Sheet

Monitor Well I.D. No. MW05

Permit No. 249-A

Latitude : 35° 23' 30.5"

Longitude : 77° 35' 21.3"

Well Boring Diameter : 8 in.

Ground Surface Elevation : 642.44 ft.

Report all Depths from Surface Elevation

Well Depth : 55.0 ft.

Water Level Elevation : 639.9ft.

Screen Bottom:

(1) Depth : 55.0 ft.

(2) Elevation : 587.44 ft.

Gravel Pack

(1) Depth : 14.0 ft.

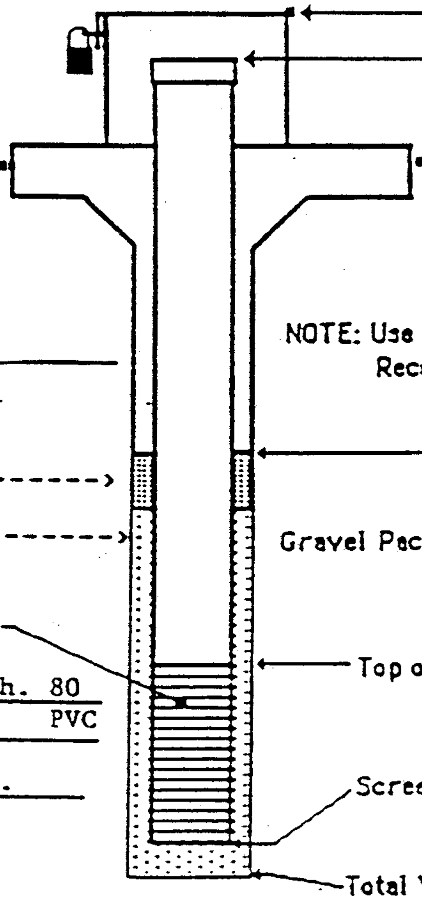
(2) Elevation : 628.44 ft.

SKETCH:

Type of Locking Device: Steel pipe w/locking cap

Type of Casing Protection : Steel pipe

Type of Surface Pad: concrete



Top of Protective Collar Elevation:

Top of Casing Elevation: 645.41 ft.

Surface Elevation: 642.44 ft.

Type of Surface Grout: concrete

Depth: 2 ft.

Casing Type PVC w/threaded joints

Size (dia) : 2 in.

Guage : Sch. 80

NOTE: Use Flush Screw Joint Casing Only 4Ø" or larger
Recommend Teflon Tape of joints

Backfill Material :

Bentonite Seal -------->

Bentonite Seal Top Depth: 2.0 ft.
Elev: 640.44 ft.

Gravel Pack ---------->

Gravel Pack Top Depth: 14.0 ft.
Elev: 628.44 ft.

Well Screen-----

Top of Screen Depth: 45.0 ft.
Elev: 597.44 ft.

e of Well Screen: 2 in. Sch. 80 PVC

een Opening Size: .01 in.

Screen Bottom Depth: 55.0 ft.
Elev: 587.44 ft.

Total Well Depth: 55.0 ft. Elev: 587.44 ft.

Technically Complete
2171

Monitor Well Data Sheet

Monitor Well I.D. No. MW06

Permit No. 249-A

Latitude : 30° 25' 14.0"

Longitude : 97° 36' 51.0"

Well Boring Diameter : 6 in.

Ground Surface Elevation : 585.62 ft.

Report all Depths from Surface Elevation

Well Depth : 20.0 ft.

Water Level Elevation : 584.8

Screen Bottom:

(1) Depth : 20.0 ft.

(2) Elevation : 565.86 ft.

Gravel Pack

(1) Depth : 8.5 ft.

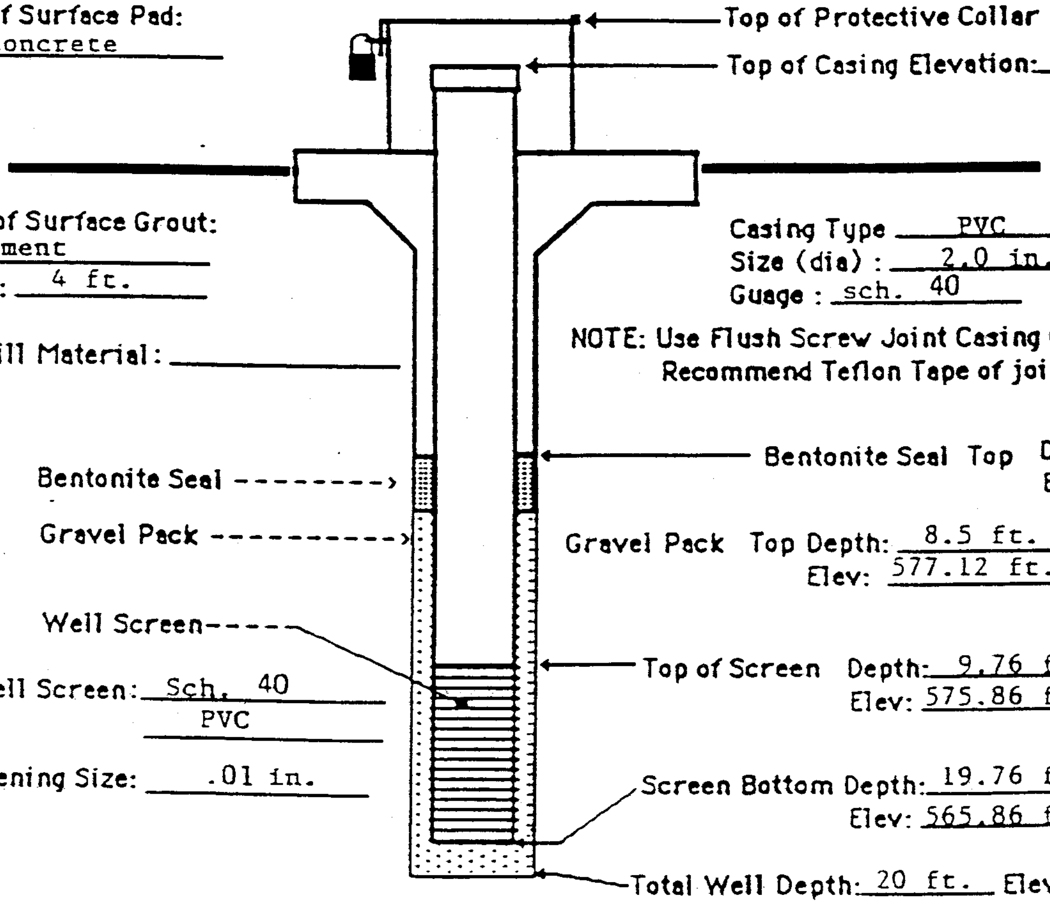
(2) Elevation : 577.12 ft.

SKETCH:

Type of Locking Device: locking cap

Type of Casing Protection : steel casing

Type of Surface Pad: concrete



Top of Protective Collar Elevation:

Top of Casing Elevation: 588.86 ft.

Surface Elevation: 585.62 ft.

Type of Surface Grout: cement

Depth: 4 ft.

Casing Type PVC

Size (dia) : 2.0 in.

Guage : sch. 40

NOTE: Use Flush Screw Joint Casing Only 4Ø" or larger
Recommend Teflon Tape of joints

Backfill Material:

Bentonite Seal

Gravel Pack

Well Screen

Bentonite Seal Top Depth: 4 ft.
Elev: 581.62 ft.

Gravel Pack Top Depth: 8.5 ft.
Elev: 577.12 ft.

pe of Well Screen: Sch. 40 PVC

Top of Screen Depth: 9.76 ft.
Elev: 575.86 ft.

reen Opening Size: .01 in.

Screen Bottom Depth: 19.76 ft.
Elev: 565.86 ft.

Total Well Depth: 20 ft. Elev: 565.62 ft.

Technically Complete
2172

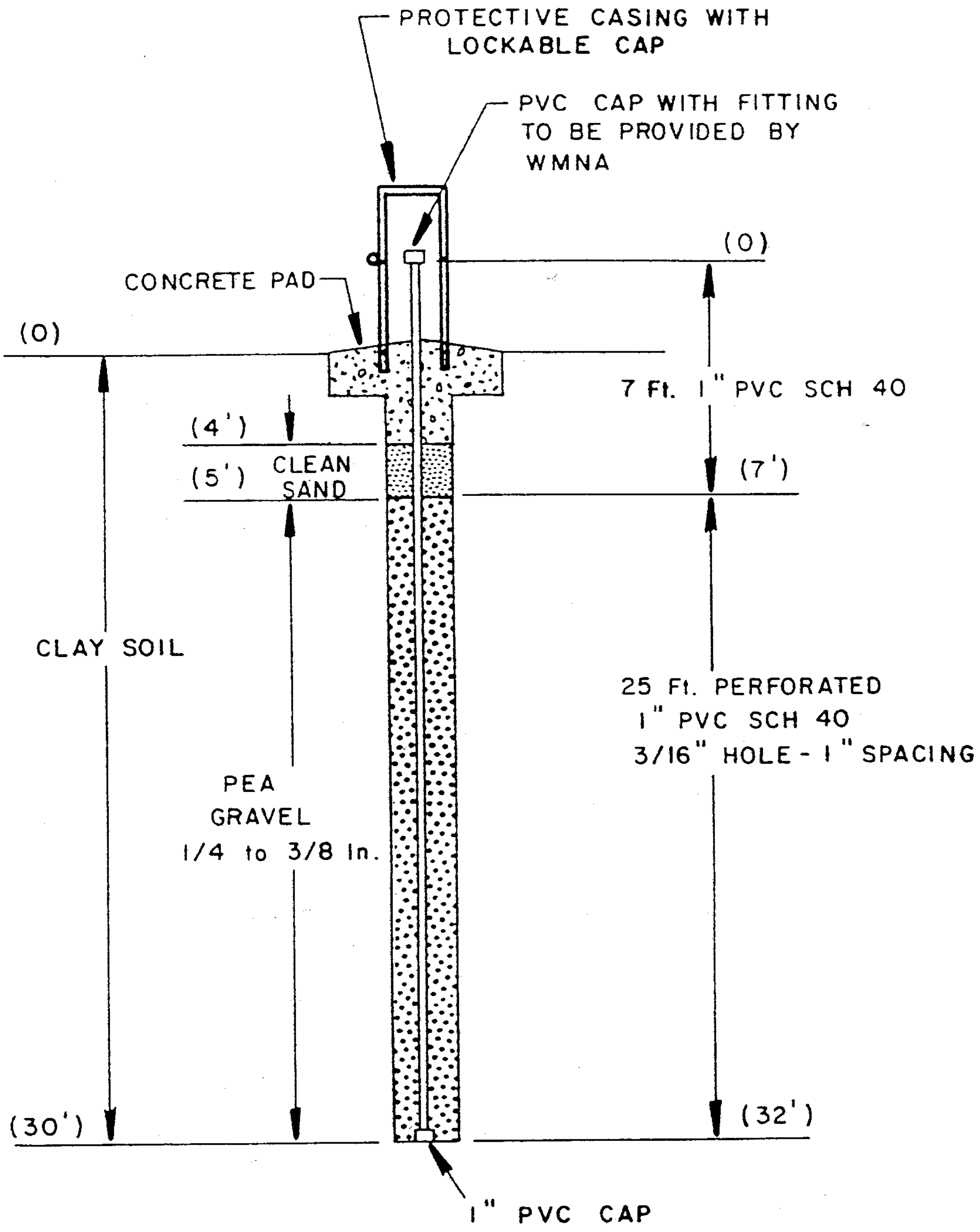
TABLE II

GAS MONITORING PROBES - LOCATION BY SITE GRID WITH ELEVATIONS

GAS PROBE NUMBER	SITE GRID COORDINANTS		ELEVATION TOP OF CASING
	NORTHING	EASTING	
P-1	R+97	49+21	625.22
P-2	R+97	48+55	625.34
P-3	R+97	47+91	624.99
P-4	R+93	47+04	625.48
P-5	R+97	46+10	628.00
P-6	R+98	45+30	626.83
P-6A	R+90	39+40	623.86
P-7	R+95	5+75	644.55
P-8	N+63	0+12	647.02
P-9	A+06	6+31	609.91
P-10	A+05	40+60	667.76
P-11	C+90	42+80	666.87
P-12	J+90	45+50	641.85
P-13	P+47	46+39	626.92
P-14	Q+74	42+86	630.74
P-15	B+28	52+22	636.89

NOTES:

1) ELEVATIONS SHOWN ARE FOR TOP OF LOCK FLANGE ON CASING WITH COVER
2) ELEVATION REFERENCE - SPINDLE IN AUTO PAD AT WEST RAMP - m.s.l.
3) HORIZONTAL AND VERTICAL LOCATIONS OF GAS PROBES DETERMINED BY FI



SCHEMATIC-TYPICAL GAS MIGRATION MONITORING PROBE
AUSTIN COMMUNITY LANDFILL
WASTE MANAGEMENT OF NORTH AMERICA

SwL Project No. 87-AUS-308

Technically Complete
2174

LOG OF GAS MIGRATION MONITORING PROBE P-1

PROJECT: South Austin Community Landfill
Travis County, Texas
SwL Project No. 87-AUS-308

DATE: 11/23/87 **TYPE:** Hollow-Stem Auger **LOCATION:** See Boring Plan

SURFACE ELEVATION:

DEPTH, FEET	SYMBOL	SAMPLES	BLOWS PER FT.	POCKET PENETROMETER	DESCRIPTION	REC %	RQD %
0	▨				Reddish-brown sandy clay		
5	▨				Dark gray clay		
10	▨				- becomes light gray at 10.5 ft.		
15	▨				- becomes tan at 15.2 ft.		
20	▨						
25	▨				▼		
30					Total depth of boring, 30.0 ft. NOTE: Groundwater encountered at 27 ft. during drilling.		
35							
40							
45							
50							

Technically Complete
2175

LOG OF GAS MIGRATION MONITORING PROBE P-2

PROJECT: South Austin Community Landfill
Travis County, Texas

SwL Project No. 87-AUS-308

DATE: 11/23/87 TYPE: Hollow-Stem Auger LOCATION: See Boring Plan

DEPTH, FEET	SYMBOL	SAMPLES	BLOWS PER FT.	POCKET PENETROMETER	DESCRIPTION SURFACE ELEVATION:	REC %	RQD %
0	▨				Reddish-brown sandy clay with gravel		
5	▨				Dark gray clay		
10	▨				- light gray at 10.5 ft.		
15	▨				- becomes tan at 16.5 ft.		
20	▨						
25	▨						
30					Total depth of boring, 30.0 ft. NOTE: Groundwater not encountered.		
35							
40							
45							
50							

Technically Complete
2176

LOG OF GAS MIGRATION MONITORING PROBE P-3

PROJECT: South Austin Community Landfill
Travis County, Texas

SwL Project No. 87-AUS-308

DATE: 11/23/87 TYPE: Hollow-Stem Auger LOCATION: See Boring Plan

DEPTH, FEET	SYMBOL	SAMPLES	BLOWS PER FT.	POCKET PENETROMETER	DESCRIPTION SURFACE ELEVATION:	REC %	RQD %
0	▨				Reddish-brown sandy clay with gravel		
5	▨				Dark gray clay - color changes to light at 9 ft.		
10	▨				- color changes to tan at 11 ft.		
15	▨						
20	▨						
25	▨						
30					Total depth of boring, 30.0 ft. NOTE: Groundwater not encountered.		
35							
40							
45							
50							

Technically Complete
2177

LOG OF GAS MIGRATION MONITORING PROBE P-4

PROJECT: South Austin Community Landfill
Travis County, Texas

SwL Project No. 87-AUS-308

DATE: 11/23/87 **TYPE:** Hollow-Stem Auger **LOCATION:** See Boring Plan

DEPTH, FEET	SYMBOL	SAMPLES	BLOWS PER FT.	POCKET PENETROMETER	DESCRIPTION SURFACE ELEVATION:	REC %	RQD %
0	▨				Reddish-brown sandy clay with gravel		
5	▨				Dark gray clay		
10	▨				- color changes to light at 10 ft.		
15	▨				- color changes to tan at 14 ft. - color changes to light tan at 17 ft.		
20	▨						
25	▨						
30					Total depth of boring, 30.0 ft. NOTE: Groundwater not encountered.		
35							
40							
45							
50							

Technically Complete
2178

LOG OF GAS MIGRATION MONITORING PROBE P-5

PROJECT: South Austin Community Landfill
Travis County, Texas
SwL Project No. 87-AUS-308

DATE: 11/23/87 TYPE: Hollow-Stem Auger LOCATION: See Boring Plan

DEPTH, FEET	SYMBOL	SAMPLES	BLOWS PER FT.	POCKET PENETROMETER	DESCRIPTION SURFACE ELEVATION:	REC %	RQD %
0	▨				Reddish-brown sandy clay with gravel		
5	▨				Tan clay - color changes to dark gray at 5 ft.		
10	▨				- color changes to tan at 9 ft.		
15	▨				- color changes to light tan at 14.5 ft.		
20	▨						
25	▨						
30					Total depth of boring, 30.0 ft. NOTE: Groundwater not encountered.		
35							
40							
45							
50							

Technically Complete
2179

LOG OF GAS MIGRATION MONITORING PROBE P-6

PROJECT: South Austin Community Landfill
Travis County, Texas

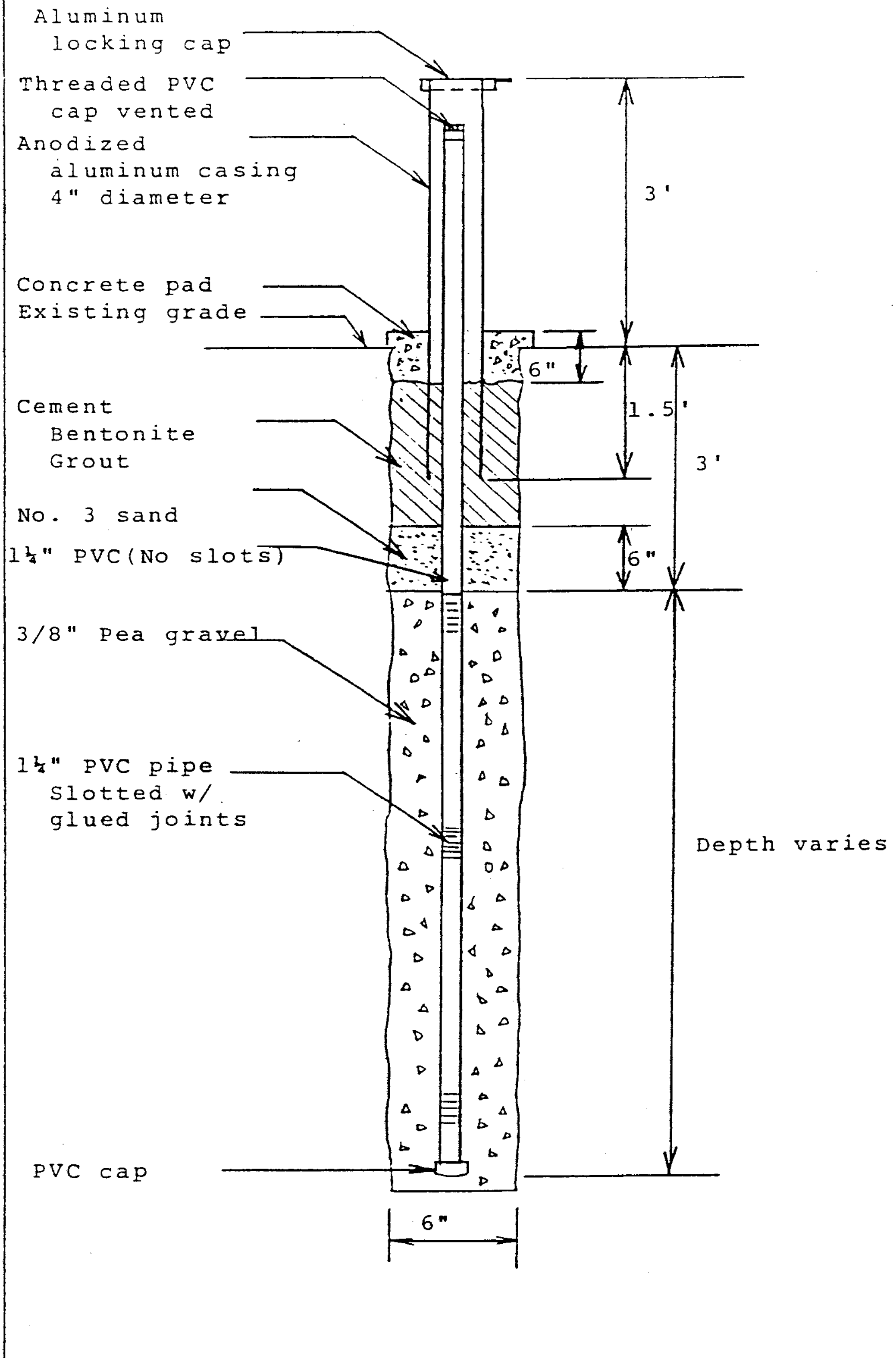
SwL Project No. 87-AUS-308

DATE 11/23/87 TYPE Hollow-Stem Auger LOCATION See Boring Plan

DEPTH, FEET	SYMBOL	SAMPLES	BLOWS PER FT.	POCKET PENETROMETER	DESCRIPTION SURFACE ELEVATION:	REC %	RQD %
0	▨				Dark gray clay - color changes to tan at 3 ft.		
5	▨						
10	▨						
15	▨						
20	▨						
25	▨				▼		
30					Total depth of boring, 30.0 ft. NOTE: Groundwater encountered at 25.0 ft.		
35							
40							
45							
50							

Technically Complete
2180

TYPICAL GAS PROBE DETAIL



Technically Complete
2181

SOIL BOREHOLE LOG

SITE NAME AND LOCATION

tin Community Landfill
Giles Road
Austin, Texas

DATUM
ELEVATION

DRILLING METHOD: 6 Inch Hollow Stem Auger

SAMPLING METHOD: None

BORING NO. P-6A

SHEET 1 OF 1

WATER LEVEL	None			
TIME				
DATE				
CASING DEPTH	45'			

DRILLING	
START	FINISH
TIME 9:45	TIME 12:50
DATE 5/26	DATE 5/26

DRILL RIG CME-55

SURFACE CONDITIONS

ANGLE
BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DRILLING CONTR Jack H. Holt & Associates

LOGGED BY Roy Schuster

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
			Black silty clay								
			Brown silty clay w/sm. gravel								
			Tan silty clay (Stiff)								
10											
20											
			Yellowish tan silty clay (Stiff)								
30											
			Tan & grey shaley clay (Very Stiff)								
40			Grey shaley clay (M. Hard)								
			Terminated @ 47'								
50											

Technically Complete
2182

Printed on recycled paper.

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
Austin Community Landfill
Giles Road

DRILLING METHOD: 6 Inch Hollow Stem Auger

SAMPLING METHOD: None

BORING NO. P-7

SHEET 1 OF 1

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
9:30	10:30
DATE	DATE
2/8	2/8

DATUM

ELEVATION 640

DRILL RIG

SURFACE CONDITIONS

ANGLE

BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS: WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
			Brown silty clay								
5			Tan clayey silt w/some rock								
			Tan silty clay								
10											
15											
20			Tanish grey shaley clay								
25											
30											
			Terminated at 30'								

DRILLING CONTR

LOGGED BY SBJ

Technically Complete
2183

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
Austin Community Landfill
Giles Road
Austin, Texas

DATUM
ELEVATION 645

DRILLING METHOD: 6 inch hollow stem auger

SAMPLING METHOD:

BORING NO. P-8

SHEET 1 OF 1

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
2:30	3:10
DATE	DATE
1/23	1/23

DRILL RIG

SURFACE CONDITIONS

ANGLE
BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS				
							WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPCIFIC GRAVITY	OTHER TESTS
		▨	Fill- Tan & brown silty clay								
5		▨	Tan silty clay								
10		▨	Yellowish tan silty clay								
15 20		▨	Tanish gray silty clay								
			Terminated at 20'								
			No groundwater encountered at completion of drilling operation.								

Technically Complete
2184

Printed on recycled paper

SOIL BOREHOLE LOG

SITE NAME AND LOCATION

Austin Community Landfill
Giles Road
Austin, Texas

DRILLING METHOD: 6 inch hollow stem auger

SAMPLING METHOD:

BORING NO. P-9

SHEET 1 OF 1

	WATER LEVEL				
	TIME				
	DATE				
	CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
3:25	5:00
DATE	DATE
1/23	1/23

DATUM

ELEVATION 620

DRILL RIG

SURFACE CONDITIONS

ANGLE

BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS: WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPCIFIC GRAVITY	OTHER TESTS
5			Fill (Tan & brown silty clay w/trash - metal, paper, etc.)								
10			Tan silty clay								
15			Tan silty clay								
20 25			Tan gray silty clay								
30 35 44 45 50			Gray Shaley clay								
			Terminated at 50'								

DRILLING CONTR Jack H. Holt & Associates

LOGGED BY SBJ

Technically Complete
2185

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SOIL BOREHOLE LOG

SITE NAME AND LOCATION

Austin Community Landfill
Giles Road
Austin, Texas

DRILLING METHOD: 6 inch hollow stem auger

BORING NO. P-10

SHEET 1 OF 1

SAMPLING METHOD:

DRILLING

	START	FINISH
TIME	2:10	3:10
DATE	1/18	1/18

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DATUM

ELEVATION 640

DRILL RIG CME-55

SURFACE CONDITIONS

ANGLE

BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DRILLING CONTR Jack H. Holt & As ciates

LOGGED BY SBJ

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS: WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
			Fill (Brown & tan silty clay)								
5			Tan clayey silt w/some rock								
10			Yellowish tan silty clay								
15			Becoming stiff								
20			Greyish tan silty clay (stiff)								
25											
30			Terminated at 30'								
			No groundwater encountered								

Technically Complete
2186

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
Austin Community Landfill
Giles Road
Austin, Texas

DRILLING METHOD: 6 inch hollow stem auger

SAMPLING METHOD: None

BORING NO. P-11

SHEET 1 OF 1

	DRILLING START	DRILLING FINISH
TIME	10:30	12:45
DATE	1/20	1/20

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DATUM

ELEVATION 665

DRILL RIG CME-55

SURFACE CONDITIONS

ANGLE

BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
			Limestone base								
			Brown silty clay								
5			Yellowish tan silty clay								
10											
15											
20			Becoming greyish tan silty clay								
25											
30			Becoming yellowish tan silty clay								
35			Becoming greyish tan silty clay								
40											
45											
			Grey shaley clay								
50			Terminated at 50'								

DRILLING CONTR Jack H. Holt & Associates

LOGGED BY SBJ

Technically Complete
2187

Printed on recycled paper

SOIL BOREHOLE LOG

SITE NAME AND LOCATION

Austin Community Landfill
Giles Road
Austin, Texas

DATUM

ELEVATION 637

DRILLING METHOD: 6 inch hollow stem auger

SAMPLING METHOD: None

BORING NO. P-12

SHEET 1 **OF** 1

WATER LEVEL					
TIME					
DATE					
CASING DEPTH					

DRILLING	
START	**FINISH**
TIME	**TIME**
11:20	1:45
DATE	**DATE**
1/18	1/18

DRILL RIG CME 55

SURFACE CONDITIONS

ANGLE **BEARING**

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPCIFIC GRAVITY	OTHER TESTS
			Fill brown & tan silty clay								
			Brown silty clay								
5			Becoming light brown								
			Becoming tan silty clay								
10											
			Becoming greyish tan								
15											
			Becoming yellowish tan								
20											
25			Becoming greyish tan								
30											
35											
40											
45											
			Grey clayey shale								
			Terminated at 50'								

DRILLING CONTR Jack H. Holt & As iates

LOGGED BY SBJ

Technically Complete
2188

Printed on recycled paper

SOIL BOREHOLE LOG

SITE NAME AND LOCATION

Austin Community Landfill
Giles Road
Austin, Texas

DRILLING METHOD: 6 inch hollow stem auger

SAMPLING METHOD: None

BORING NO. P-13

SHEET 1 OF 1

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DRILLING

START	FINISH
TIME	TIME
12:45	2:05
DATE	DATE
1/23	1/23

DATUM

ELEVATION 623.0

DRILL RIG

SURFACE CONDITIONS

ANGLE

BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPCIFIC GRAVITY	OTHER TESTS
			Fill Brown silty sand								
5		▨	Tan silty clay								
10		▨	Yellowish tan silty clay								
15 20		▨	Tan silty clay (stiff)								
25 30		▨	Tanish grey silty clay (stiff)								
			Terminated at 32 ft.								

DRILLING CONTR Jack H. Holt & Associates

LOGGED BY SBJ

Technically Complete
2189

Printed on recycled paper.

SOIL BOREHOLE LOG

SITE NAME AND LOCATION

Austin Community Landfill
Giles Road
Austin, Texas

DRILLING METHOD: 6 inch hollow stem auger

BORING NO. P-14

SHEET 1 OF 1

SAMPLING METHOD: None

DRILLING	START	FINISH
TIME	10:15	11:45
DATE	1/23	1/23

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DATUM

ELEVATION 627'

DRILL RIG

SURFACE CONDITIONS

ANGLE **BEARING**

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPCIFIC GRAVITY	OTHER TESTS
			Fill (Brown & tan silty clay)								
5			Brown silty clay								
			Yellowish tan silty clay								
10			Tan silty clay (stiff)								
15											
20											
			Tanish grey silty clay (stiff)								
25											
30											
35											
40											
			Terminated at 40'								

DRILLING CONTR Jack H. Holt & Associates

LOGGED BY SBJ

Technically Complete
2190

SOIL BOREHOLE LOG

SITE NAME AND LOCATION
Austin Community Landfill
Giles Road
Austin, Texas

DRILLING METHOD: 6 inch hollow stem auger

BORING NO. P-15

SHEET 1 OF 1

SAMPLING METHOD: None

DRILLING

	START	FINISH
TIME	8:45	9:45
DATE	1/23	1/23

WATER LEVEL				
TIME				
DATE				
CASING DEPTH				

DATUM

ELEVATION 634

DRILL RIG CME -55

SURFACE CONDITIONS

ANGLE

BEARING

SAMPLE HAMMER TORQUE FT.-LBS

DEPTH IN FEET (ELEVATION)	BLOWS/ 6 IN. ON SAMPLER (RECOVERY)	SYMBOL	SAMPLE NUMBER AND DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FOOT ON CASING	TEST RESULTS				
							WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
		▨	Brown silty clay								
5		▨	Light brown silty clay								
		▨	Yellowish-tan silty clay								
10		▨	Greyish tan silty clay								
15			Terminated at 15'								

DRILLING CONTR Jack H. Holt & Associates

LOGGED BY SBJ

Technically Complete
2191

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL, INC.

Date: 26 July 1980
Project Location: Highway 290

Elev.Ft.:658.27
Boring No. X-1

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Grey silty clay	G			
	Tan and grey clay				
10		S.T.			
		G			
		S.T.			
20					
		G			
30		S.T.			
		G			
40		S.S.			
	Grey shaley clay				
		G			
50		S.S.			
		G			
60		S.S.			
	Blue grey shaley clay	S.S.			
70					
	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT T.
G.W. AFTER COMPLETION T.
G.W. AFTER HRS. FT.

Technically Complete
2192

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512 264-1508

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL, INC.

Date: 26 July 1980
Project Location: Highway 290

Elev.Ft.:631.34
Boring No. X-2

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Dark grey silty clay	G			
	Tan and grey clay	S.T.			
10					
		G			
		S.T.			
20		G			
		S.T.			
30					
		G			
	Grey and tan shaley clay				
		S.S.			
40	— — Changing to grey shaley clay				
		G			
	— — Becoming blue grey shaley clay	S.S.			
50					
		G			
		S.S.			
60					
		S.S.			
70					
	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2193

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL, INC.

Date: 26 July 1980 | Elev.Ft.:585.57

Project Location: Highway 290 | Boring No. X-3

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Grey silty clay	G			
10	Tan and grey clay	S.T.			
		G			
20	— — Becoming grey and tan clay	S.T.			
	Blue grey shaley clay	G			
30		S.S.			
		G			
40		S.S.			
		G			
50		S.S.			
		G			
60		S.S.			
70	Terminated at 70 feet				

TYPE OF SAMPLE

D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT T.
G.W. AFTER COMPLETION T.
G.W. AFTER HRS. FT.

Technically Complete
2194

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL, INC.

Date: 26 July 1980
Project Location: Highway 290

Elev.Ft.:593.93
Boring No. X-4

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Tan silty clay	G			
	Tan and grey clay	S.T.			
10		G			
		S.T.			
20		G			
	— — Becoming grey and tan	S.T.			
30		G			
	Blue grey shaley clay	S.S.			
40		G			
50		S.S.			
		G			
60		S.S.			
		S.S.			
70	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2195

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL, INC.

Date: 26 July 1980
Project Location: Highway 290

Elev.Ft.:591.21
Boring No. X-5

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Dark grey silty clay	G			
		S.T.			
10		G			
		S.T.			
20		G			
		S.T.			
	— — Becoming grey and tan				
30		G			
		S.S.			
40	Blue grey shaley clay w/seams of grey and tan shaley clay	G			
		S.S.			
50					
		G			
60		S.S.			
		S.S.			
70	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION T.
G.W. AFTER HRS. FT.

Technically Complete
2196

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH 512 264-1508

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL, INC.

Date: 26 July 1980
Project Location: Highway 290

Elev.Ft: 627.42
Boring No. X-6

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC. COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Dark grey silty clay	S.T.			
	Tan and grey clay	G			
10		S.T.			
		G			
20		S.T.			
		G			
30		S.T.			
	— — Becoming grey and tan				
		G			
40		S.T.			
		G			
50	Blue grey shaley clay w/seams of grey and tan clay	S.S.			
60		S.S.			
70	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2197

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL

Date: 12 August 1980
Project Location: GILES RD. AND HWY.290

Elev.Ft.:625.50
Boring No.X-7

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Black silty clay	S.T.			
	Tan clay	D			
10		S.T.			
		G			
	— — W/iron stains				
20		S.T.			
		G			
30		S.T.			
		G			
	Grey shaley clay				
40		S.T.			
		G			
50		G			
	Blue grey clayey shale				
60		S.T.			
70					
	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION T.
G.W. AFTER HRS. T.

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

Technically Complete
2198

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL

Date: 12 August 1980
Project Location: GILES RD. AND HWY.290

Elev.Ft.:623.00
Boring No.X-8

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Black silty clay	S.T.			
	Light tan clay	D			
10		S.T.			
		G			
	Reddish brown clay				
20		S.T.			
		G			
30		S.T.			
	Becoming a shaley clay				
		G			
40		S.T.			
		G			
	Blue clayey shale				
50		G			
60		S.T.			
70					
	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512-264-1508

Technically Complete
2199

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL

Date: 12 August 1980
Project Location: GILES RD. AND HWY.290

Elev.Ft.:629.20
Boring No.X-9

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Black silty clay	S.T.			
	Tan clay	D			
10	— — W/iron stains and calcite lense	S.T.			
		G			
20		S.T.			
	— — Becoming reddish brown	G			
30		S.T.			
		G			
	Grey shaley clay				
40		S.T.			
		G			
	Blue grey clayey shale				
50		G			
60		S.T.			
70					
	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2200

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL

Date: 12 August 1980
Project Location: GILES RD. AND HWY.290

Elev.Ft.:632.20
Boring No.X-10

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Black silty clay	S.T.			
	Tan clay	D			
10		S.T.			
		G			
20	W/grey streaks	S.T.			
	W/iron stains and very thin calcite lense	G			
30		S.T.			
		G			
40		S.T.			
		G			
	Greyish blue shaley clay w/layers of tan clay				
50		G			
	Blue grey clayey shale				
60		S.T.			
70	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2201

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL

Date: 12 August 1980 — Elev.Ft.:637.20

Project Location: GILES RD. AND HWY.290 — Boring No. X-11

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Black silty clay	S.T.			
		D			
	Brown silty clay				
10	Tan clay	S.T.			
		G			
	— — W/grey streaks and calcite lense				
20		S.T.			
		G			
30		S.T.			
		G			
	Grey clay w/thin layers of shale				
40		S.T.			
	Blue grey clayey shale				
		G			
50		G			
60		S.T.			
70	Terminated at 70 feet.				

TYPE OF SAMPLE

D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATION

G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2202

JACK H. HOLT Ph.D. & ASSOCIATES INC.

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL

Date: 12 August 1980
Project Location: GILES RD. AND HWY.290

Elev.Ft.:647.60
Boring No.X-12

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Black silty clay	S.T.			
	Tan clay	D			
10		S.T.			
		G			
	— — W/iron stains				
20		S.T.			
	— — Calcite lense				
		G			
30		S.T.			
		G			
40		S.T.			
	Grey shaley clay	G			
50		G			
	Blue clayey shale				
60		S.T.			
70					
	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT
G.W. AFTER COMPLETION FT
G.W. AFTER HRS. FT

Technically Complete
2203

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL

Date: 12 August 1980

Elev.Ft.:637.50

Project Location: GILES RD. AND HWY.290

Boring No.X-13

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Black silty clay	S.T.			
	Tan silty clay	D			
	Tan clay				
10		S.T.			
		G			
20		S.T.			
	— — W/iron stains				
		G			
30		S.T.			
	— — W/small amounts of shale and calcite lense	G			
40		S.T.			
	Grey shaley clay	G			
	Blue grey clayey shale				
50		G			
60		S.T.			
70	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT

Technically Complete
2204

Log of Boring
For
AUSTIN COMMUNITY DISPOSAL

Date: 12 August 1980
Project Location: GILES RD. AND HWY.290

Elev.Ft.:667.00
Boring No. X-14

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Brown silty clay	S.T.			
	Tan clay	D			
10		S.T.			
		G			
20		S.T.			
		G			
30		S.T.			
	W/calcite lense				
		G			
	W/grey streaks				
40		S.T.			
		G			
50		G			
60		S.T.			
	Grey shaley clay	G			
70		S.T.			
	Terminated at 70 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry 24 hours after drilling operation.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2205

JACK H. HOLT Ph.D. & ASSOCIATES INC.

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290

Boring No. A-1

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	6" Black silty clay				
		S.T.			
	Grey clay				
	Tan clay	G			
10	— — Becoming limey w/iron stains	S.T.			
		G			
20		S.T.			
		G			
	Tan and grey clay				
30		S.T.			
		G			
40		S.T.			
		G			
50		S.T.			
		G			
	Blue shaley clay				
		S.S.			
60					
		G			
70		S.S.			
		G			
80					
	Terminated at 80 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT .
G.W. AFTER COMPLETION .
G.W. AFTER HRS. FT.

Technically Complete
2206

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980

Project Location: Highway 290

Boring No. A-2

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Grey clay	S.T.			
	Tan and grey clay	G			
10		S.T.			
		G			
20		S.T.			
		G			
30		S.T.			
	Blue grey shaley clay	G			
		S.S.			
40		G			
		S.S.			
	Terminated at 45 feet				
50					

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2207

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P.O. BOX 3777, AUSTIN, TX

Log of Boring
For

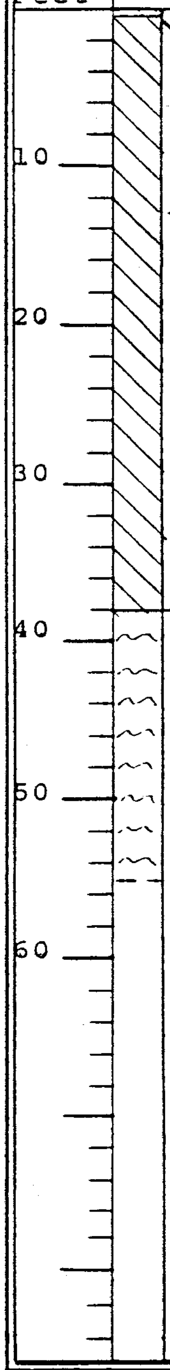
LONGHORN LANDFILL
Travis County, Texas

Date: 26 May 1980

Project Location: Highway 290

Elev.Ft. 609.01

Boring No. A-3



Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	10" Black silty clay				
	Tan and grey clay	S.T.			
		G			
10		S.T.			
	— With thin calcite layers				
		G			
20		S.T.			
		G			
30		S.T.			
		G			
		S.S.			
40	Blue grey clayey shale				
		G			
50		S.S.			
		G			
	Terminated at 55 feet				
60					

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT T.
G.W. AFTER COMPLETION T.
G.W. AFTER HRS. FT.

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

**Technically Complete
2208**

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290

Elev.Ft.:610.50
Boring No.A-4

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Grey clay	S.T.			
	Tan and grey clay	G			
10		S.T.			
		G			
20		S.T.			
		G			
		S.T.			
30	Blue grey shaley clay				
		G			
40		S.S.			
		G			
		S.S.			
50	Terminated at 50 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2209

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512 264-1508

Log of Boring
For
LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290
Elev.Ft.:624.84
Boring No. A-5

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Dark grey clay	S.T.			
	Tan clay	G			
10		S.T.			
		G			
20	—— Becoming tan and grey clay	S.T.			
		G			
30		S.T.			
		G			
40		S.T.			
	Blue grey shaley clay	G			
50		S.S.			
		G			
		S.S.			
60	Terminated at 60 feet				

TYPE OF SAMPLE	REMARKS:	GROUND WATER OBSERVATIONS
D. - DISTURBED S.T. - SHELBY TUBE S.S. - SPLIT SPOON R.C. - ROCK CORE ( ) - PENETROMETER	Hole dry after 24 hours.	G.W. ENCOUNTERED AT T. G.W. AFTER COMPLETION T. G.W. AFTER HRS. T.

Technically Complete
2210

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512. 264-1508

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290
Elev.Ft.:638.44
Boring No. A-6

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Dark grey clay	S.T.			
	Tan and grey clay	G			
10		S.T.			
		G			
20		S.T.			
		G			
30		S.T.			
		G			
40		S.T.			
		G			
50		S.T.			
		G			
		S.S.			
	Blue grey shaley clay				
60		G			
		S.S.			
	Terminated at 65 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2211

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512. 264-1508

Log of Boring For

LONGHORN LANDFILL
Travis County, Texas

Date: 26 May 1980
Project Location: Highway 290

Elev.Ft. 657.73
Boring No. B-1

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Black silty clay				
	Tan clay, hard and dry	S.T.			
		G			
10		S.T.			
		G			
20		S.T.			
		G			
30	Tan and grey clay	S.T.			
		G			
40		S.T.			
	— — With iron stains	G			
50	Blue shaley clay	S.T.			
		G			
60		S.S.			
		G			
70		S.S.			
		G			
80	Terminated at 80 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT T.
G.W. AFTER COMPLETION T.
G.W. AFTER HRS. FT.

Technically Complete
2212

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 26 May 1980
Project Location: Highway 290
Elev.Ft. 632.79
Boring No. B-2

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	4" Brown silty clay	S.T.			
	Tan limey clay				
	Tan and reddish brown clay, limey	G			
10		S.T.			
	Tan and grey clay	G			
20		S.T.			
	— — Small limey deposits				
		G			
30		S.T.			
	Tan and grey clay w/streaks of blue shale				
		G			
40		S.S.			
	— — Becoming more shaley	G			
50		S.S.			
	Terminated at 55 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2213

Log of Boring
For
LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980

Project Location: Highway 290

Elev.Ft. 612.77

Boring No. B-3

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Black silty clay				
	Tan and grey clay, very hard, dry	S.T.			
		G			
10		S.T.			
		G			
20		S.T.			
		G			
		S.T.			
30	Blue shaley clay				
		G			
40		S.S.			
		G			
50		S.S.			
	Terminated at 55 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT T.
G.W. AFTER COMPLETION T.
G.W. AFTER HRS. FT.

Technically Complete
2214

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512-264-1508

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290

Boring No. B-4

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Dark grey clay	S.T.			
	Tan and grey clay w/orange streaks	G			
10		S.T.			
		G			
20		S.T.			
		G			
30		S.T.			
		G			
40		S.T.			
	Blue shaley clay	G			
50		S.S.			
		G			
		S.S.			
60	Terminated at 60 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2215

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290

Boring No. B-5

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Grey clay	S.T.			
	Becoming tan clay w/iron stains				
		G			
10		S.T.			
		G			
20		S.T.			
		G			
30		S.T.			
		G			
40		S.T.			
		G			
50		S.T.			
	Blue shaley clay	G			
60		S.S.			
	Terminated at 65 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT
G.W. AFTER COMPLETION
G.W. AFTER HRS. FT.

Technically Complete
2216

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290

Boring No. C-1

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC. COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Grey clay	S.T.			
	Tan clay	G			
10		S.T.			
		G			
20		S.T.			
	Tan and grey mottled clay	G			
30		S.T.			
		G			
40		S.T.			
		G			
50		S.T.			
	Blue shaley clay	G			
60		S.S.			
		G			
70		S.S.			
		G			
	Terminated at 75 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2217

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290

Boring No. C-2

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC. COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Dark grey clay	S.T.			
		G			
10	Tan and grey clay	S.T.			
		G			
20		S.T.			
	Grey and tan clay	G			
30		S.T.			
		G			
40		S.T.			
		G			
50	Blue shaley clay	S.S.			
		G			
	Terminated at 55 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290

Boring No. C-3

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Grey clay	S.T.			
	Tan and grey clay	G			
10		S.T.			
		G			
20		S.T.			
		G			
30		S.T.			
	Grey and tan clay	G			
40		S.T.			
		G			
50		S.T.			
		G			
60		S.T.			
		G			
	Terminated at 65 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2219

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512-264-1508

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290

Elev.Ft.:596.71
Boring No. C-4

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Dark grey clay	S.T.			
	Tan and grey clay	G			
10		S.T.			
		G			
		S.S.			
20	Blue shaley clay				
		G			
30		S.S.			
		G			
40		S.S.			
	Terminated at 40 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT T.
G.W. AFTER COMPLETION
G.W. AFTER HRS. rT.

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

Technically Complete
2220

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290

Elev.Ft.:614.46
Boring No. C-5

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Dark grey clay	S.T.			
	Tan and grey clay	G			
10		S.T.			
		G			
20		S.T.			
		G			
30		S.T.			
		G			
40		S.S.			
	Blue shaley clay				
		G			
50					
		S.S.			
	Terminated at 55 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS. Hole dry after 24 hours.

GROUND WATER OBSERVATIONS

G.W. ENCOUNTERED AT FT.
G.W. AFTER COMPLETION FT.
G.W. AFTER HRS. FT.

Technically Complete
2221

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

Log of Boring
For

LONGHORN LANDFILL
Travis County, Texas

Date: 31 May 1980
Project Location: Highway 290
Boring No. C-6

Feet	SOIL DESCRIPTION	SAMPLE TYPE	N-BLOWS PER FOOT	UNC.COMP. STRENGTH P.S.F.	MOISTURE %
	SURFACE				
	Dark grey clay	S.T.			
	Tan and orange clay	G			
10		S.T.			
		G			
20		S.T.			
		G			
30		S.T.			
		G			
40		S.T.			
		G			
50	Blue shaley clay	S.S.			
		G			
60		S.S.			
	Terminated at 65 feet				

TYPE OF SAMPLE
D. - DISTURBED
S.T. - SHELBY TUBE
S.S. - SPLIT SPOON
R.C. - ROCK CORE
( ) - PENETROMETER

REMARKS: Hole dry after 24 hours.

GROUND WATER OBSERVATIONS
G.W. ENCOUNTERED AT — T.
G.W. AFTER COMPLETION T.
G.W. AFTER HRS. FT.

JACK H. HOLT Ph.D. & ASSOCIATES INC.
P. O. BOX 3777, AUSTIN, TX
PH. 512/264-1508

Technically Complete
2222

APPENDIX B

APPENDIX B

GROUND-WATER ELEVATION TABLE AND HYDROGRAPHS

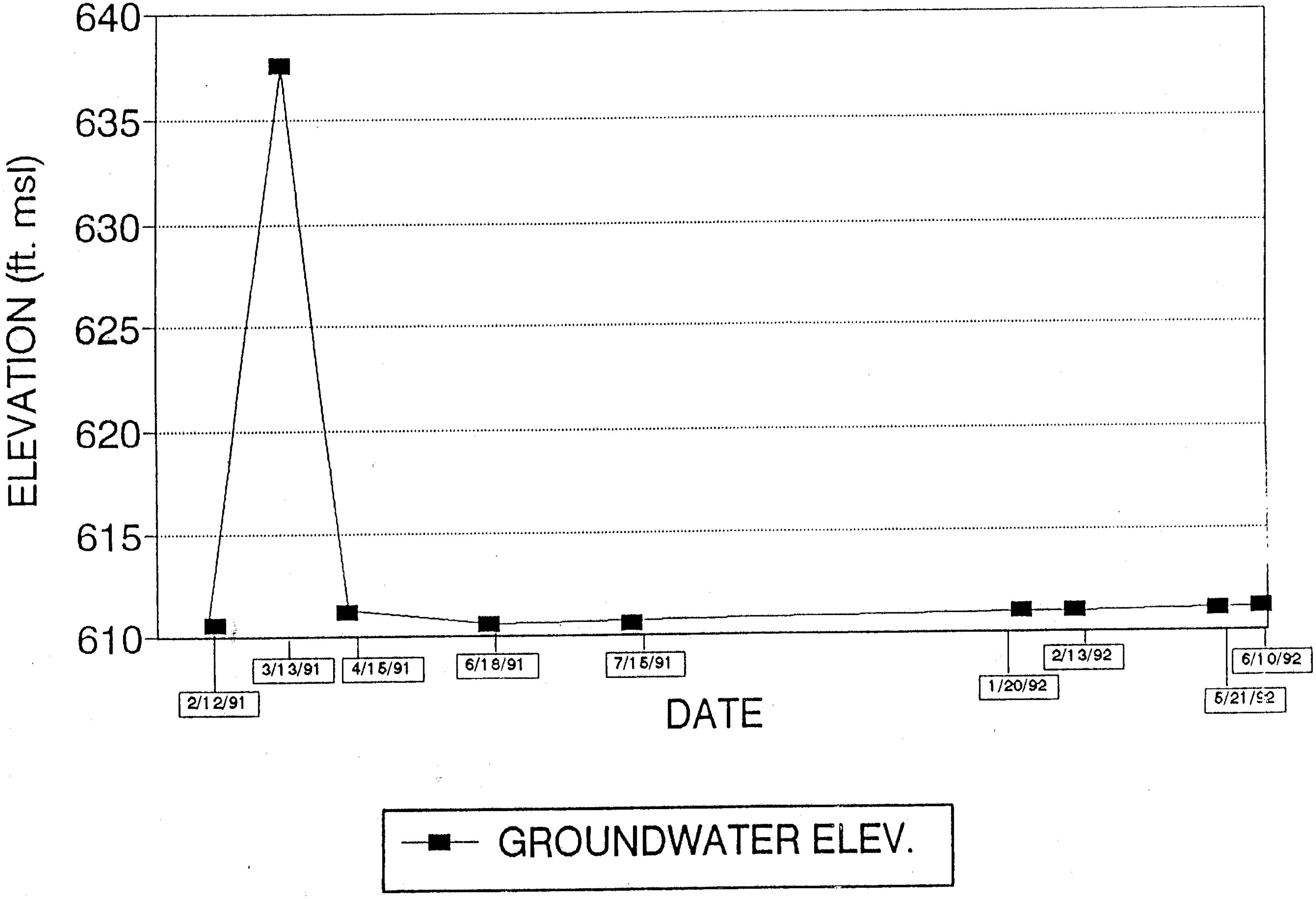
GROUNDWATER ELEVATIONS

Monitoring	Screen Elevation		Water Elevation													
	Top	Bottom	1/16/91	2/12/91	3/13/91	4/04/91	4/15/91	6/18/91	7/15/91	8/27/91	10/11/91	11/07/91	1/20/92	2/13/92	5/21/92	6/10/92
P-7	+ +	610.85	DRY	610.55	637.55	DRY	611.15	610.55	610.55	**	DRY	**	611.01	611.01	611.06	611.13
P-8	+ +	626.12	**	641.22	626.42	633.31	640.02	626.82	641.22	**	DRY	**	643.92	643.17	643.84	640.78
P-9	+ +	+ +	589.61	589.01	599.71	589.47	589.51	589.61	589.31	**	588.95	**	589.96	581.41	592.28	591.6
P-10	+ +	+ +	658.06	657.76	660.06	654.38	659.16	656.86	656.36	**	650.67	**	659.93	659.78	660.36	659.71
P-11	+ +	+ +	660.55	659.37	659.97	658.73	659.87	659.27	659.67	**	659.06	**	661.34	660.14	661.14	660.52
P-12	+ +	+ +	**	635.05	629.75	629.45	636.75	632.25	636.75	**	630.49	**	637.8	636.18	637.9	636.7
P-14	+ +	+ +	617.36	617.54	618.14	612.3	618.04	611.74	612.34	**	610.16	**	620	620.29	619.64	620.28
P-15	+ +	+ +	626.56	623.99	602.49	621.41	624.59	625.19	624.29	**	624.57	**	628.08	625.61	627.32	626.64
MW-1A	603.28	583.83	609.34	607.93	609.83	609.15	611.13	609.23	609.33	609.38	609.72	606.69	**	610.13	610.51	**
MW-2A	592.59	572.59	616.24	616.8	616.9	616.38	617.6	616.8	616.8	616.65	616.53	616.49	**	618.3	618.54	**
MW-3	574.78	554.78	596.62	596.73	596.53	598.43	599.93	598.93	599.23	600.58	600.94	600.99	**	603.17	603.5	**
MW-4	620.03	610.03	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	**	DRY	616.72	**
MW-5	597.44	587.44	614.77	614.11	614.31	614.23	615.31	610.41	614.21	613.67	613.23	612.67	**	613.16	613.06	**
MW-6	575.61	565.71	581.74	581.58	581.46	581.45	582.46	582.26	582.36	582.37	582.21	582.03	**	582.2	582.82	**
PZ-1	555.2	545.2	**	570.8	570.8	**	571.1	570.2	571.2	**	**	574.7	**	**	**	**
PZ-2	564.9	554.9	**	582.3	582.3	**	583.2	582.3	582.8	**	**	**	583.73	**	**	584.55
PZ-3	555	545	**	571.8	571.5	**	571.6	573.2	572.5	**	**	**	**	**	**	**
PZ-4	599.7	589.7	**	625.5	625.4	**	626.1	624.5	626.2	**	**	**	626.15	**	**	627.5
PZ-5	572.1	562.1	**	602.9	603	**	603.7	603	603.3	**	**	**	604.58	**	**	606.6

** Wells not measured on this date
+ + Data not available

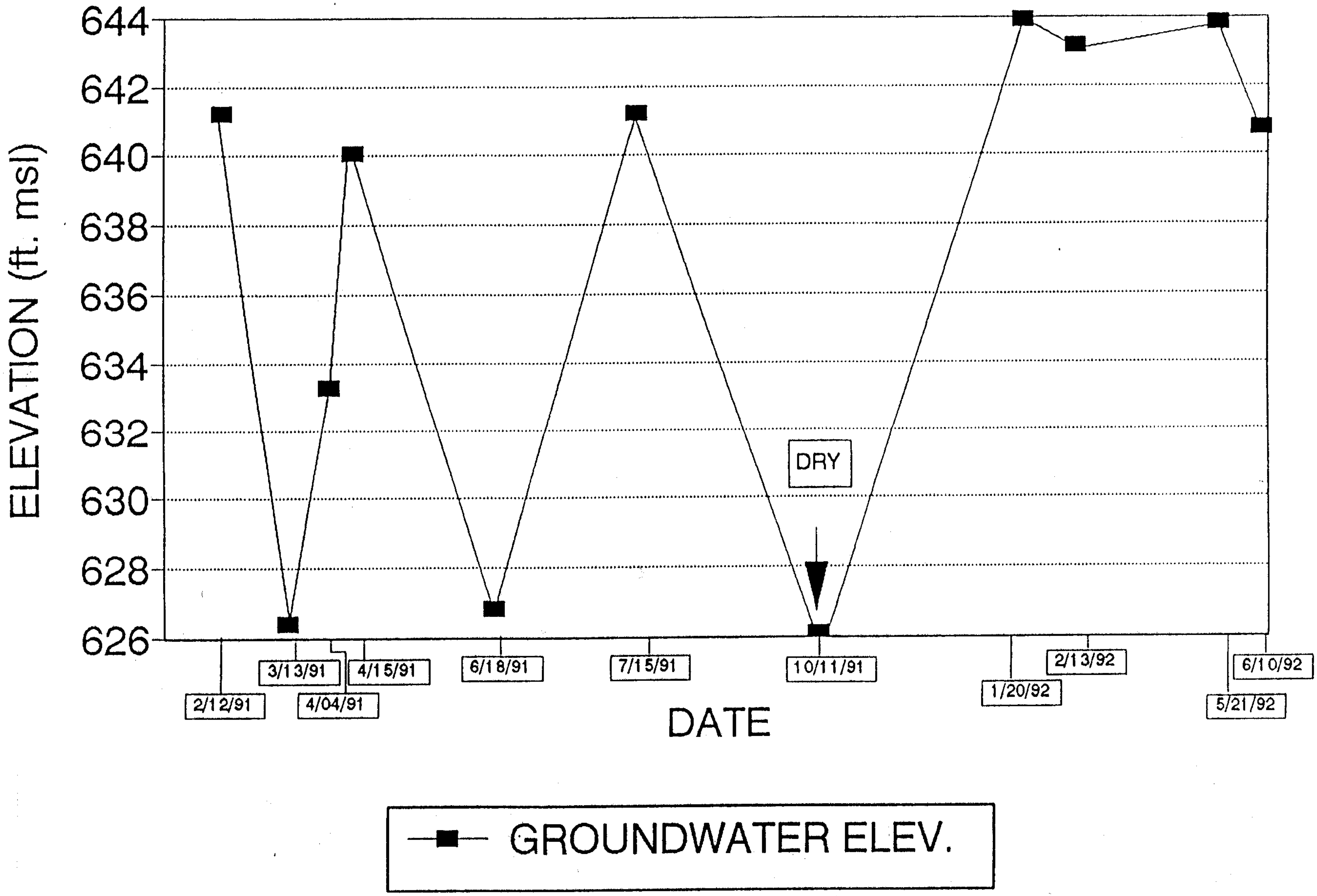
HYDROGRAPH

AUSTIN COMMUNITY LANDFILL: P-7



HYDROGRAPH

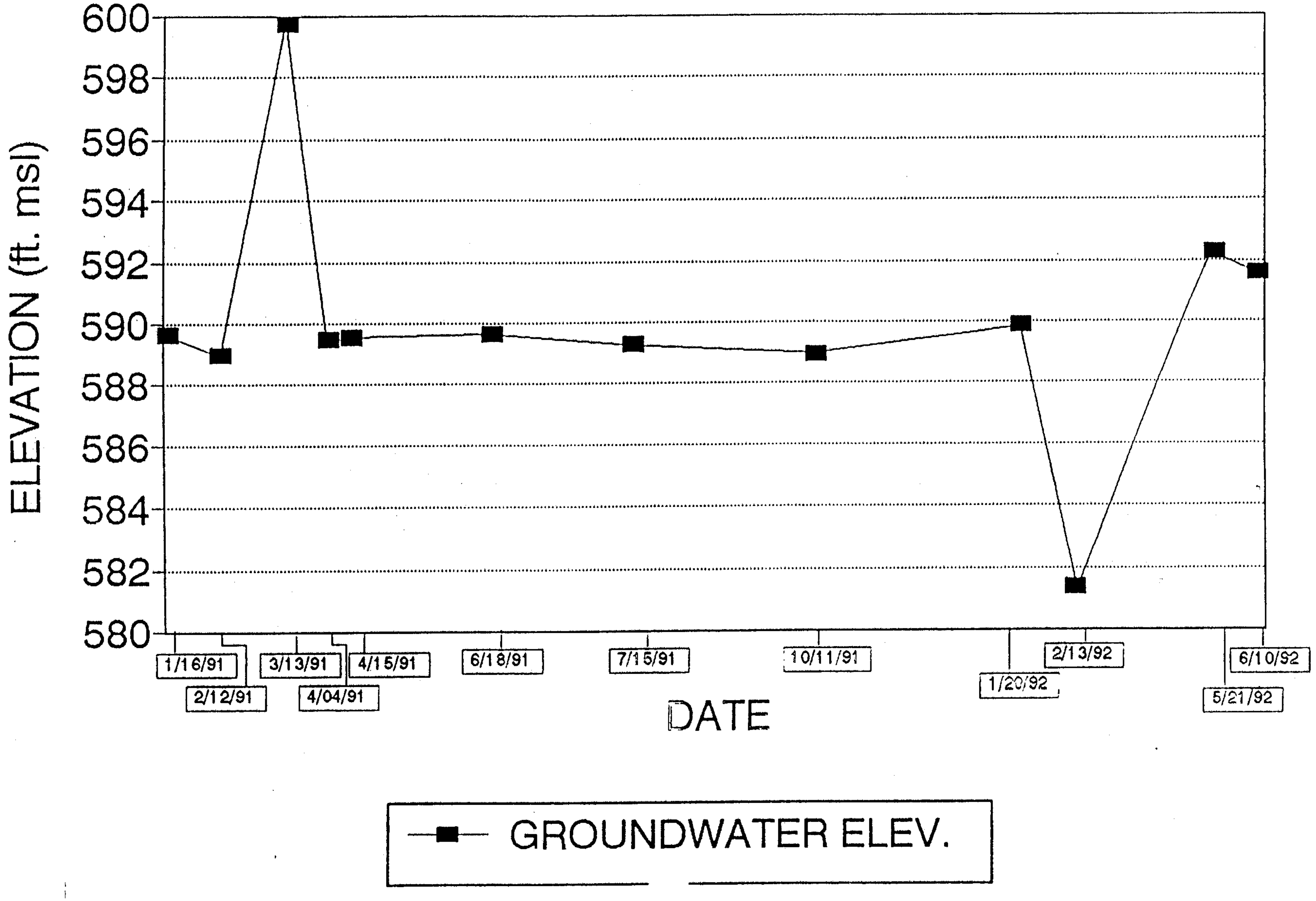
AUSTIN COMMUNITY LANDFILL: P-8



Technically Complete
2227

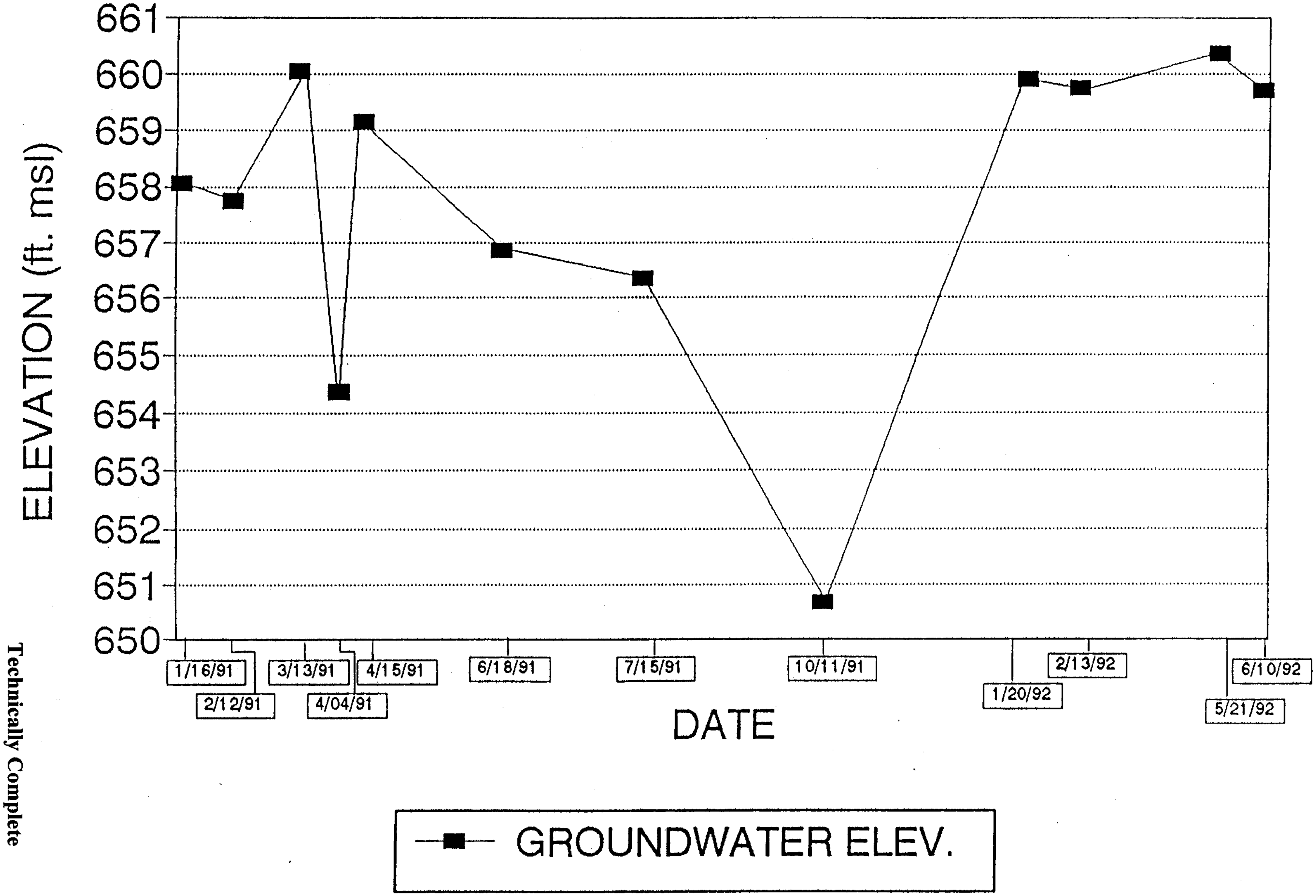
HYDROGRAPH

AUSTIN COMMUNITY LANDFILL: P-9



HYDROGRAPH

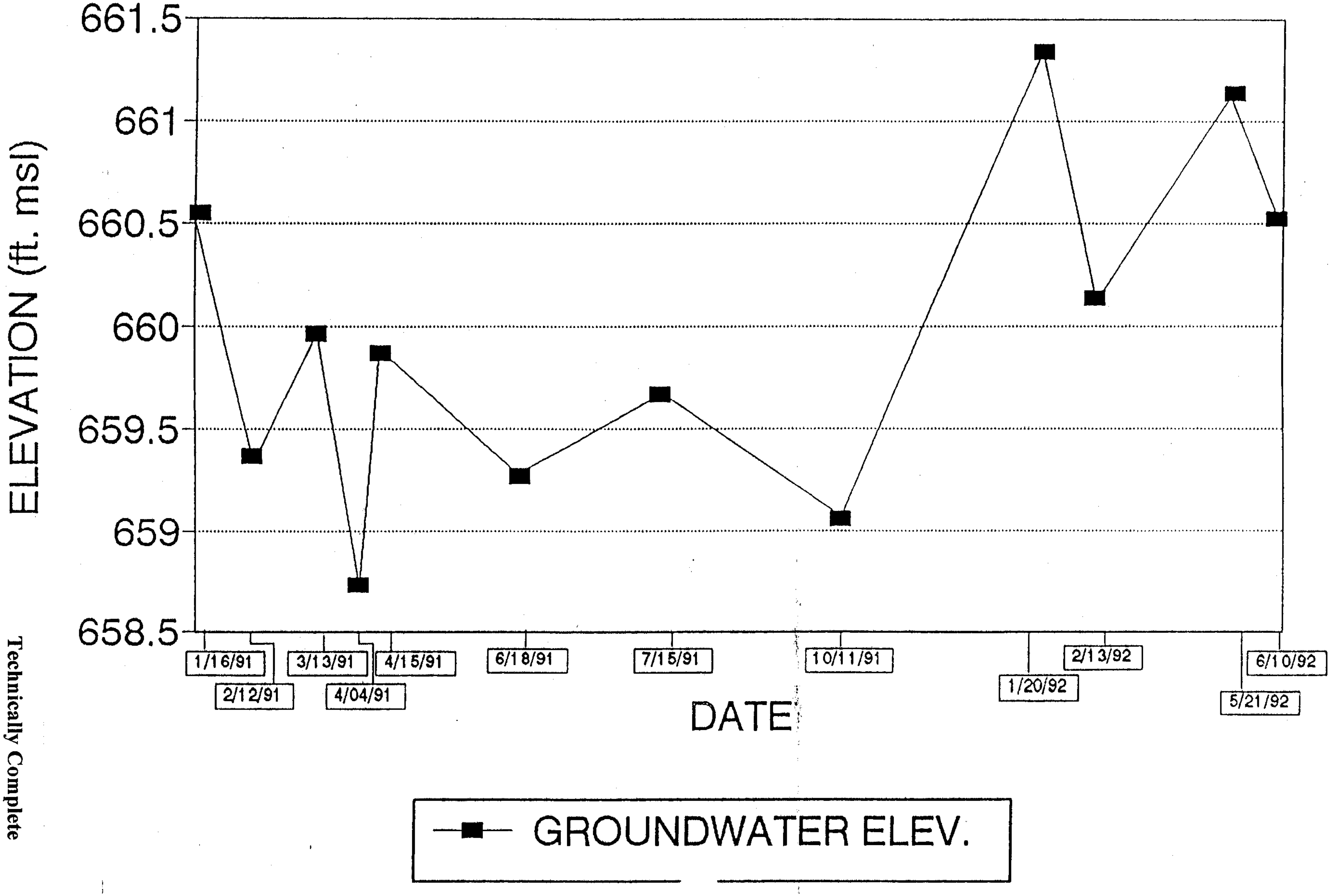
AUSTIN COMMUNITY LANDFILL: P-10



Technically Complete
2229

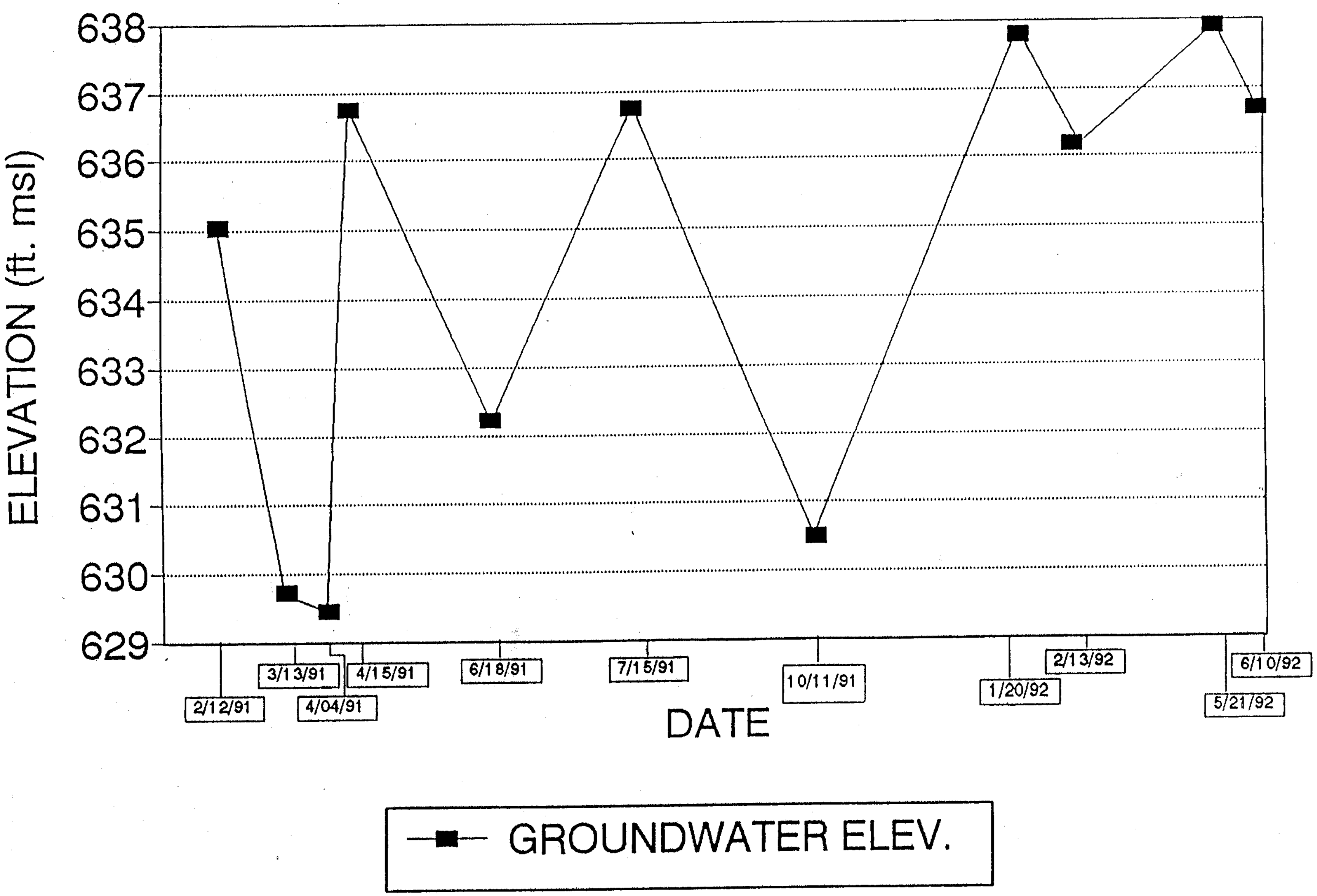
HYDROGRAPH

AUSTIN COMMUNITY LANDFILL: P-11



HYDROGRAPH

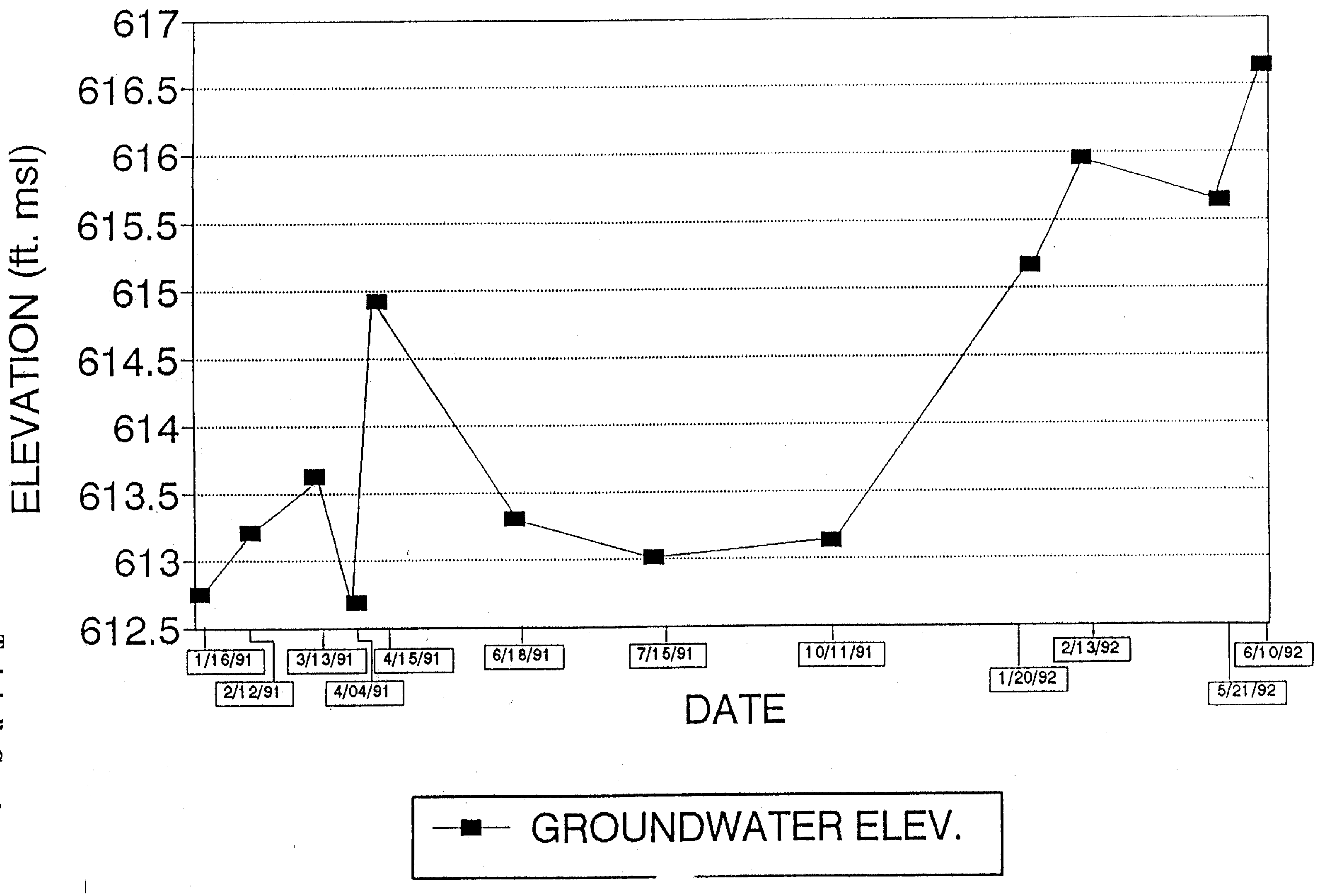
AUSTIN COMMUNITY LANDFILL: P-12



Technically Complete
2231

HYDROGRAPH

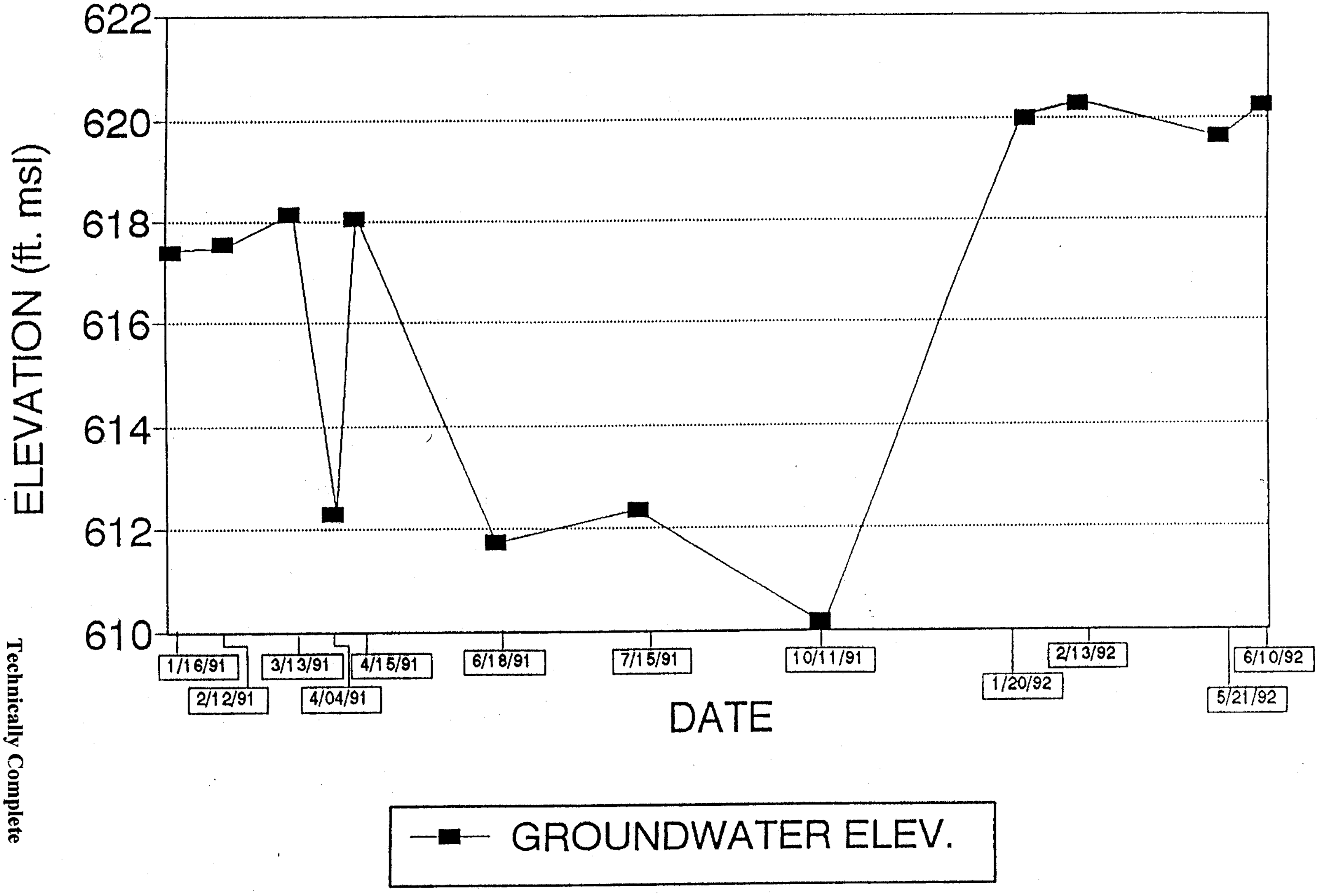
AUSTIN COMMUNITY LANDFILL: P-13



Technically Complete
2232

HYDROGRAPH

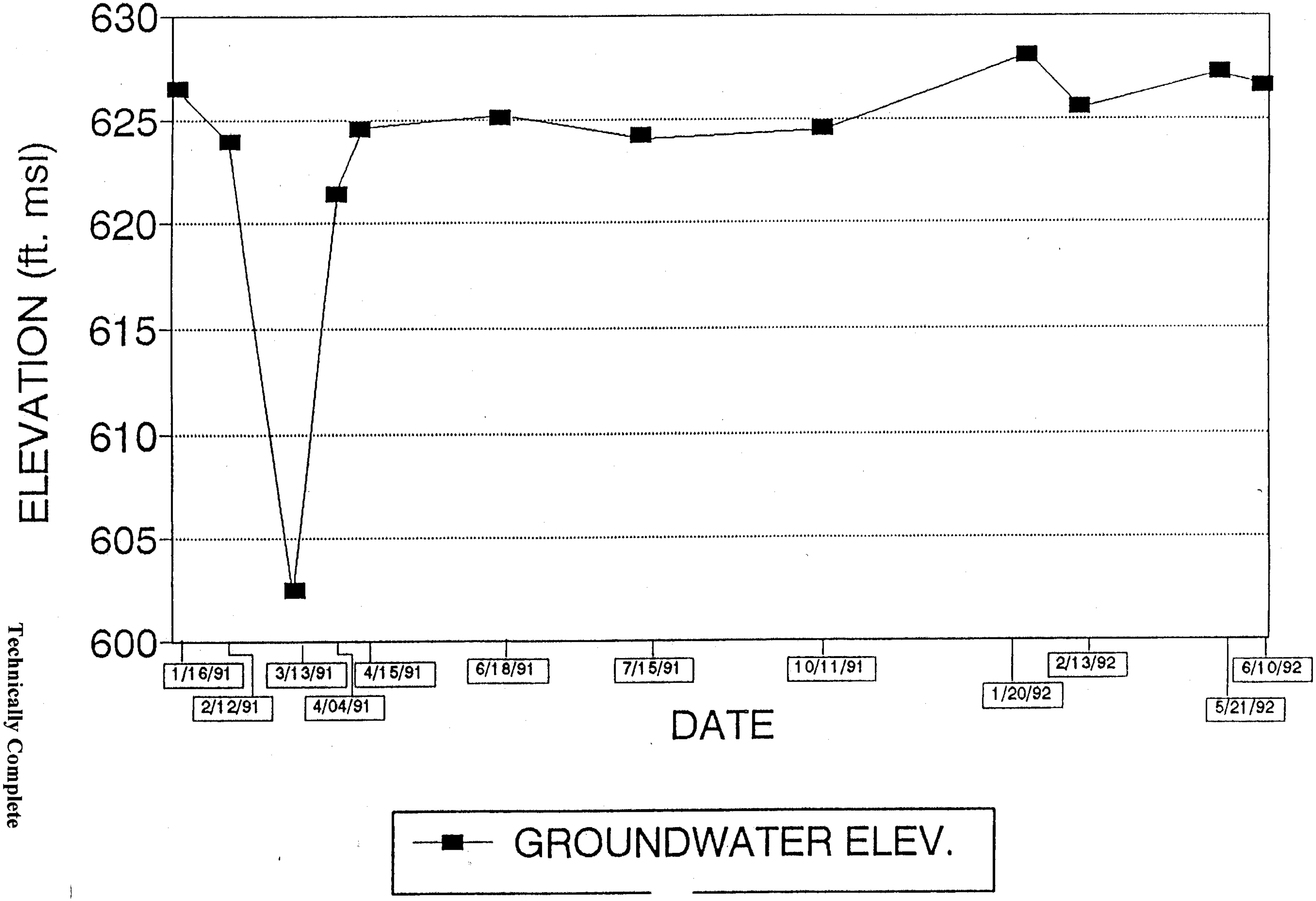
AUSTIN COMMUNITY LANDFILL: P-14



Technically Complete
2233

HYDROGRAPH

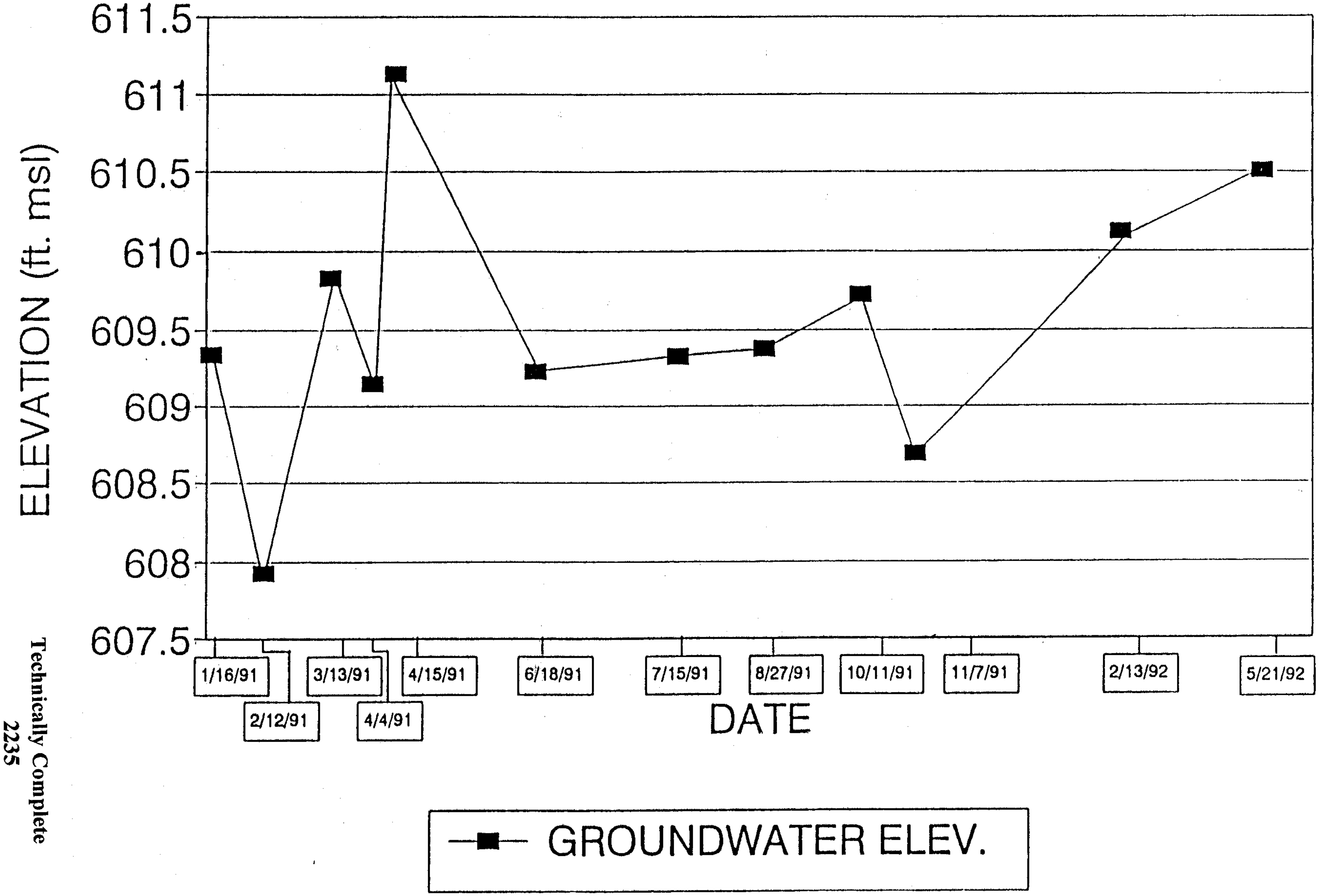
AUSTIN COMMUNITY LANDFILL: P-15



Technically Complete
2234

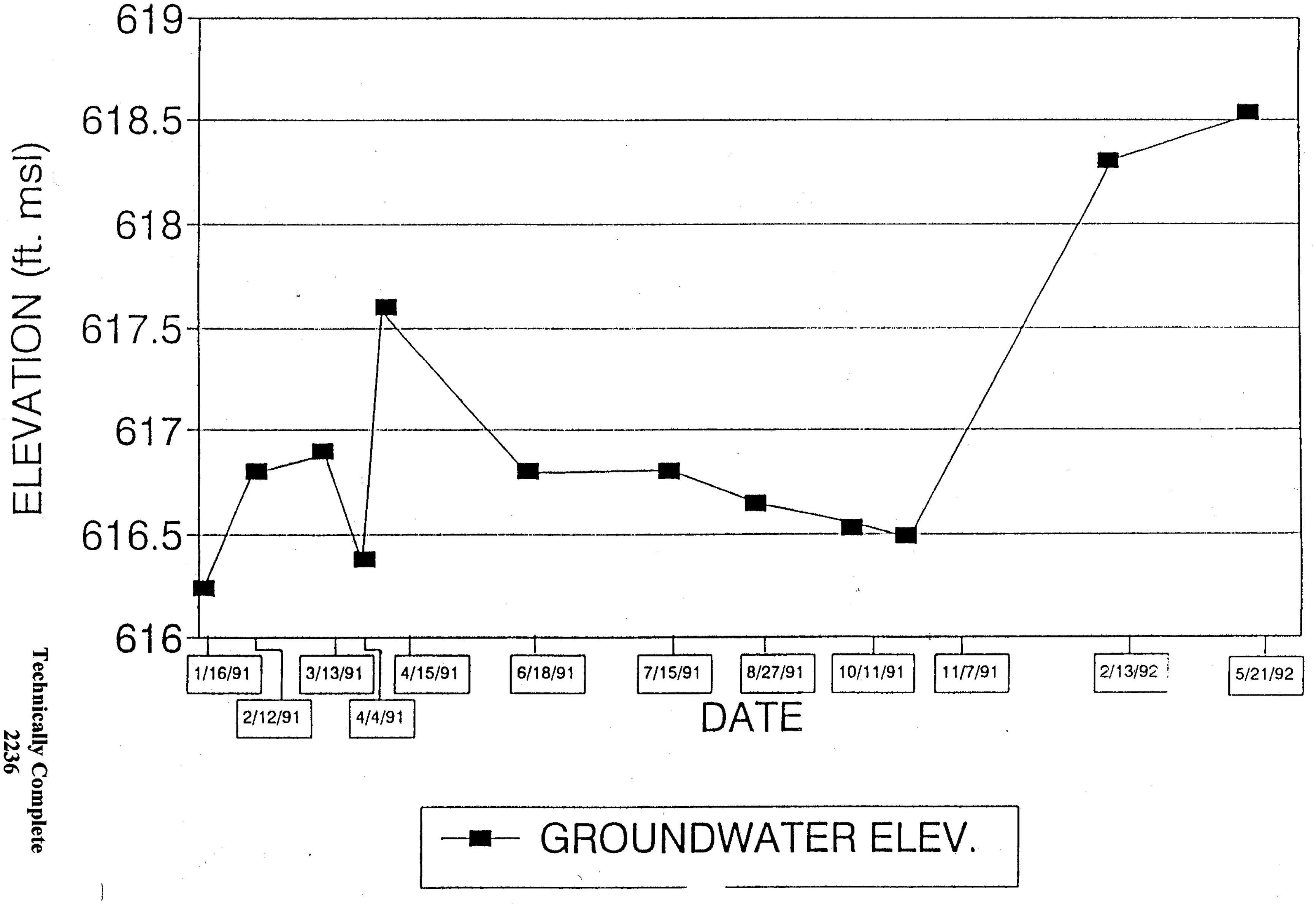
HYDROGRAPH

AUSTIN COMMUNITY LANDFILL: MW-1A



Technically Complete
2235

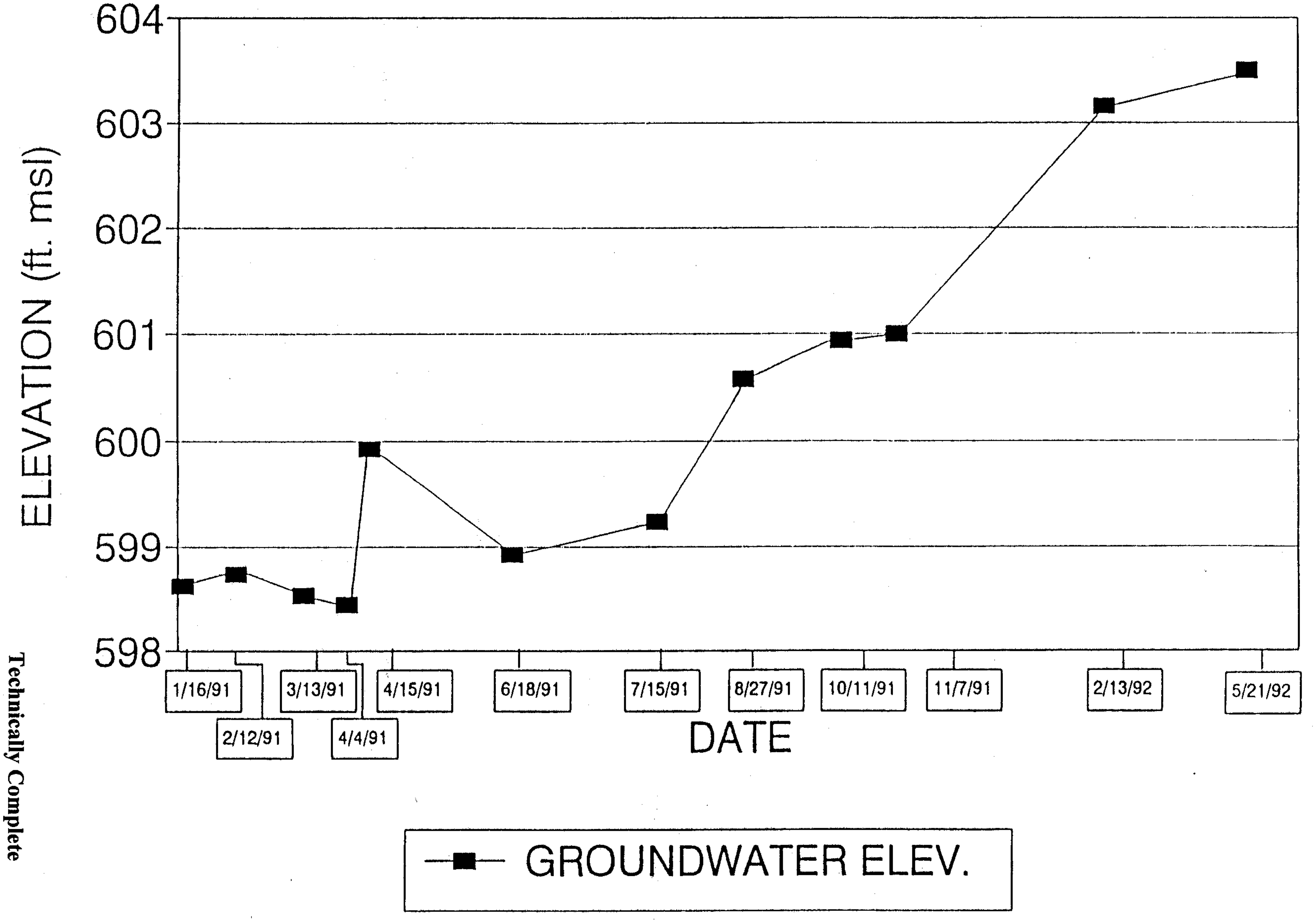
HYDROGRAPH
AUSTIN COMMUNITY LANDFILL: MW-2A



Technically Complete
2236

HYDROGRAPH

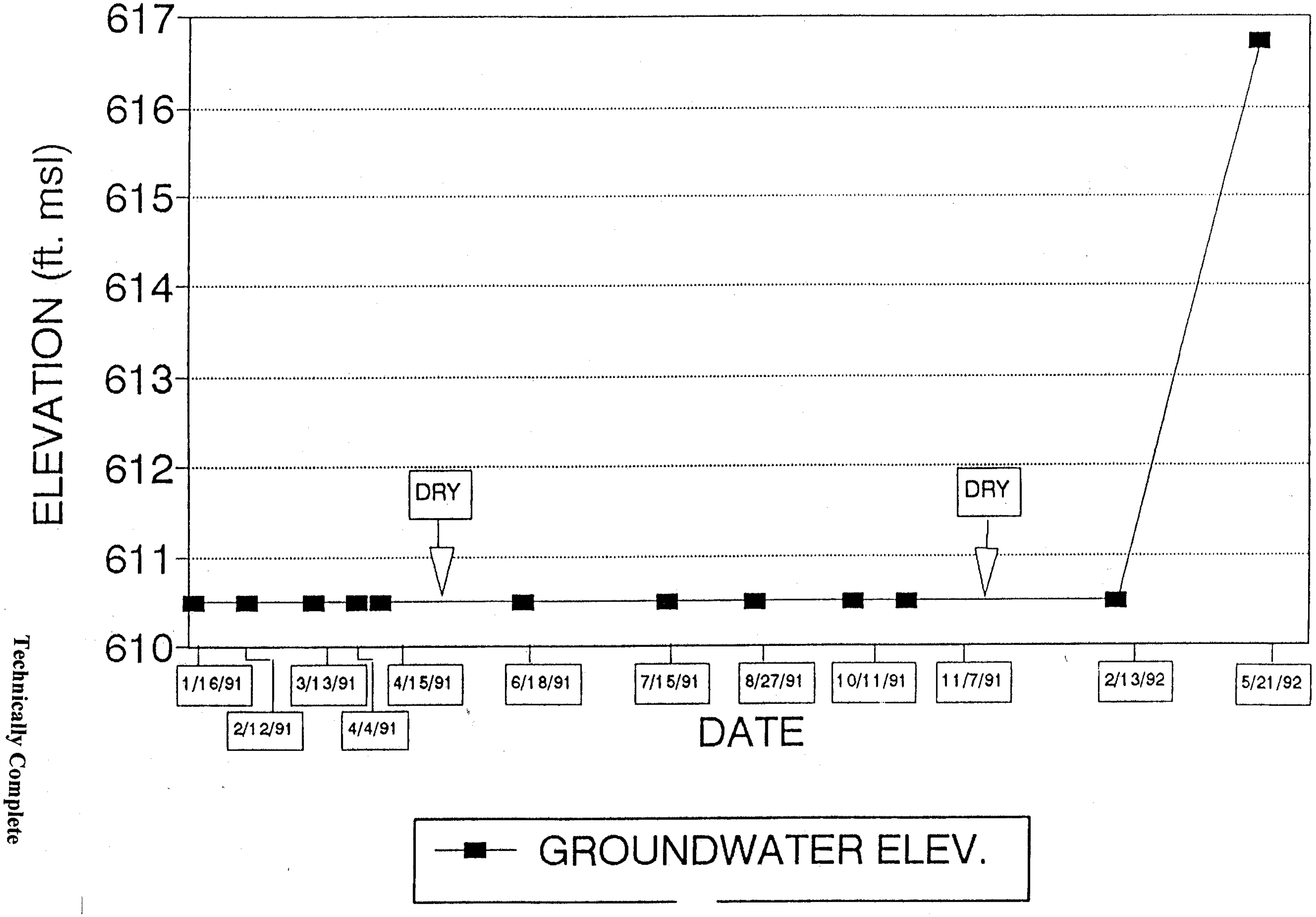
AUSTIN COMMUNITY LANDFILL: MW-3



Technically Complete
2237

HYDROGRAPH

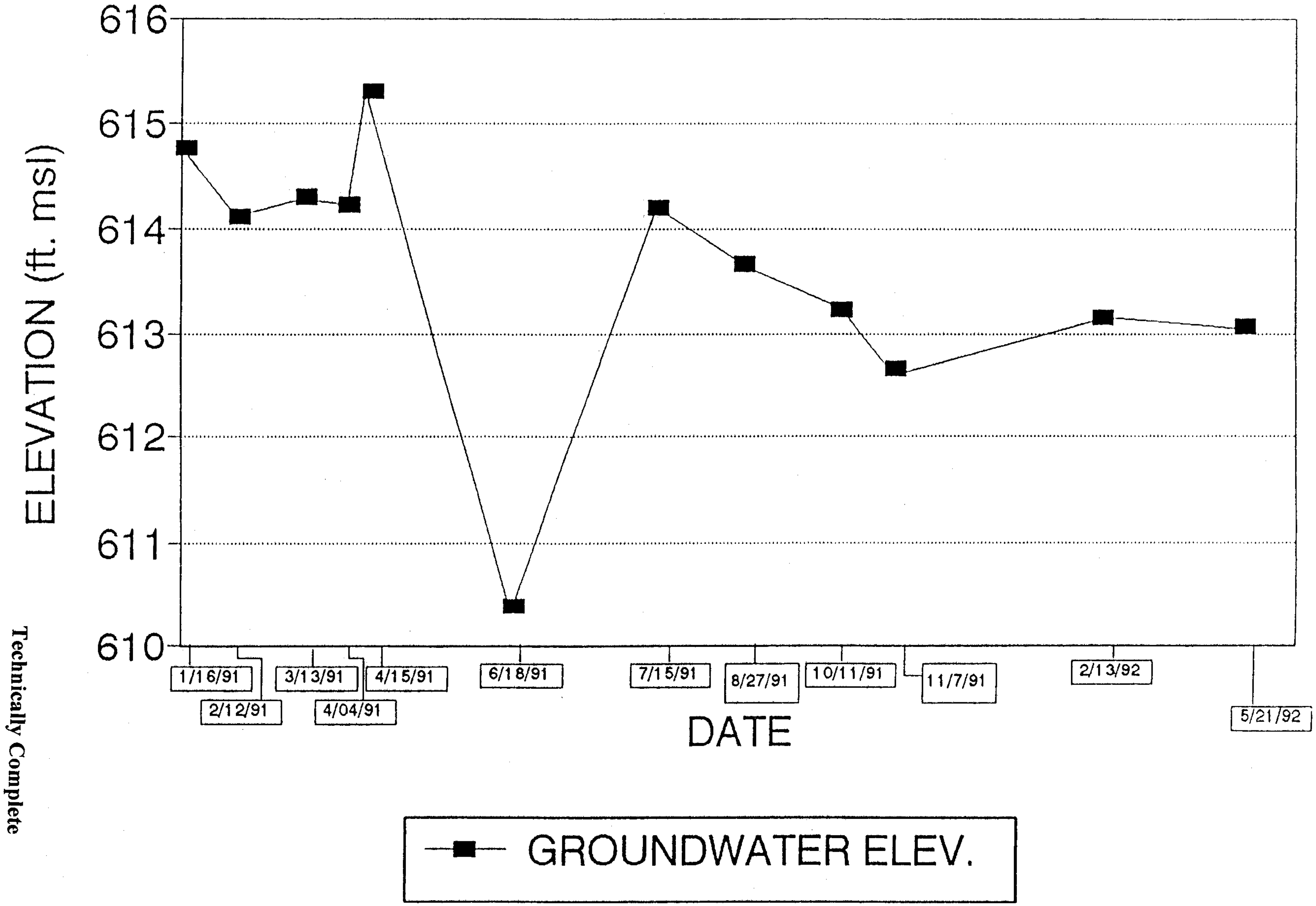
AUSTIN COMMUNITY LANDFILL: MW-4



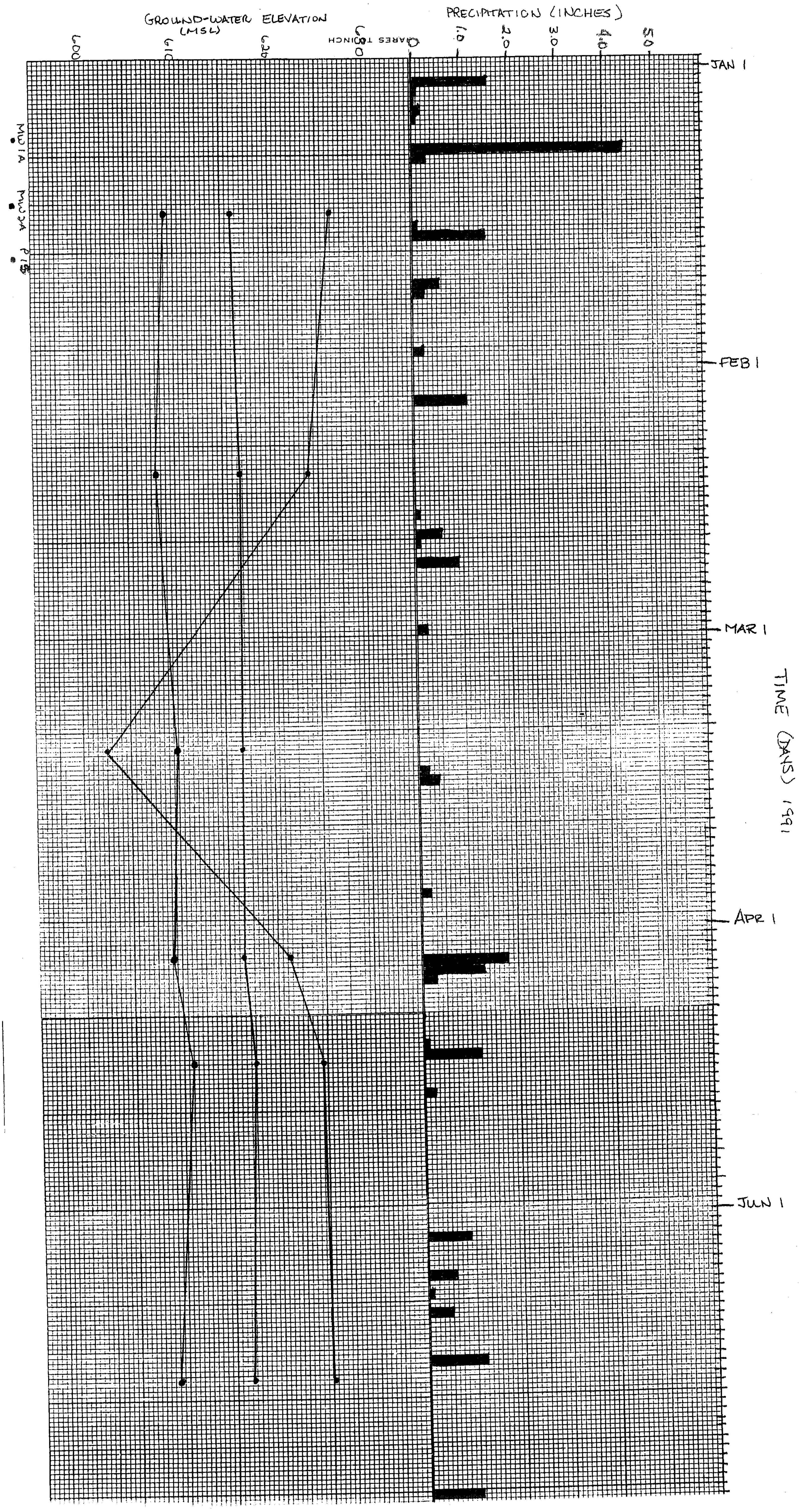
Technically Complete
2238

HYDROGRAPH

AUSTIN COMMUNITY LANDFILL: MW-5



Technically Complete
2239



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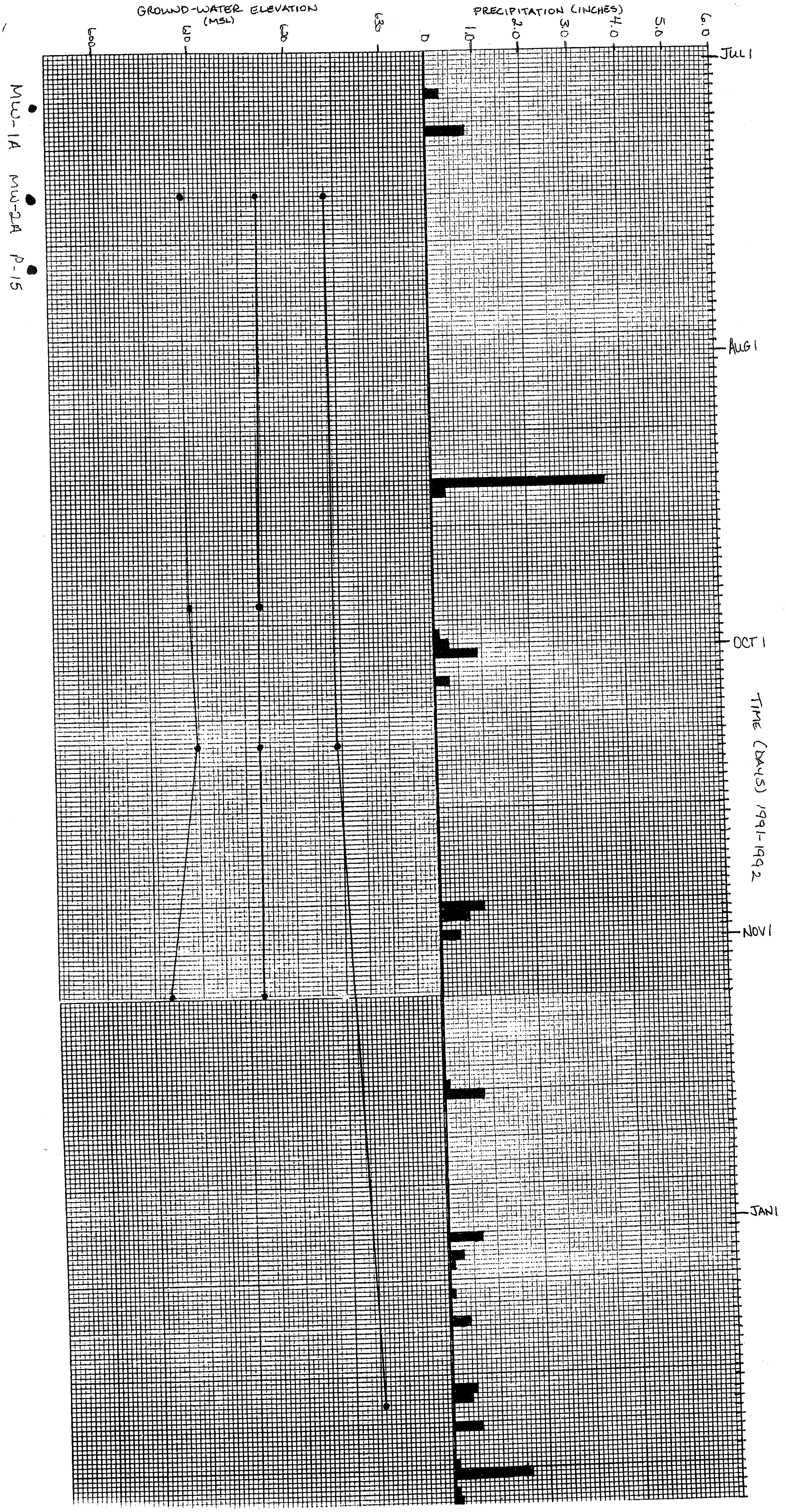
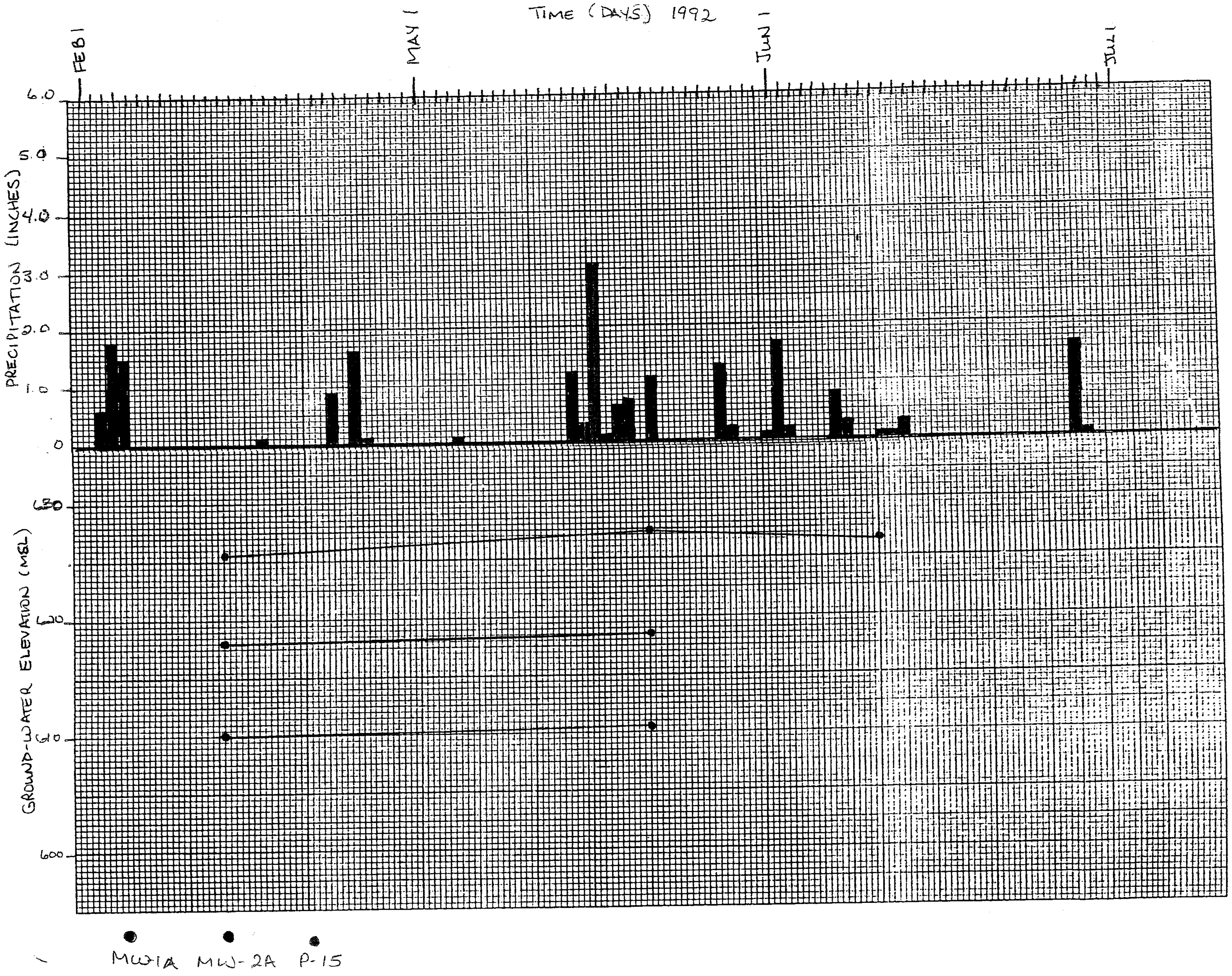
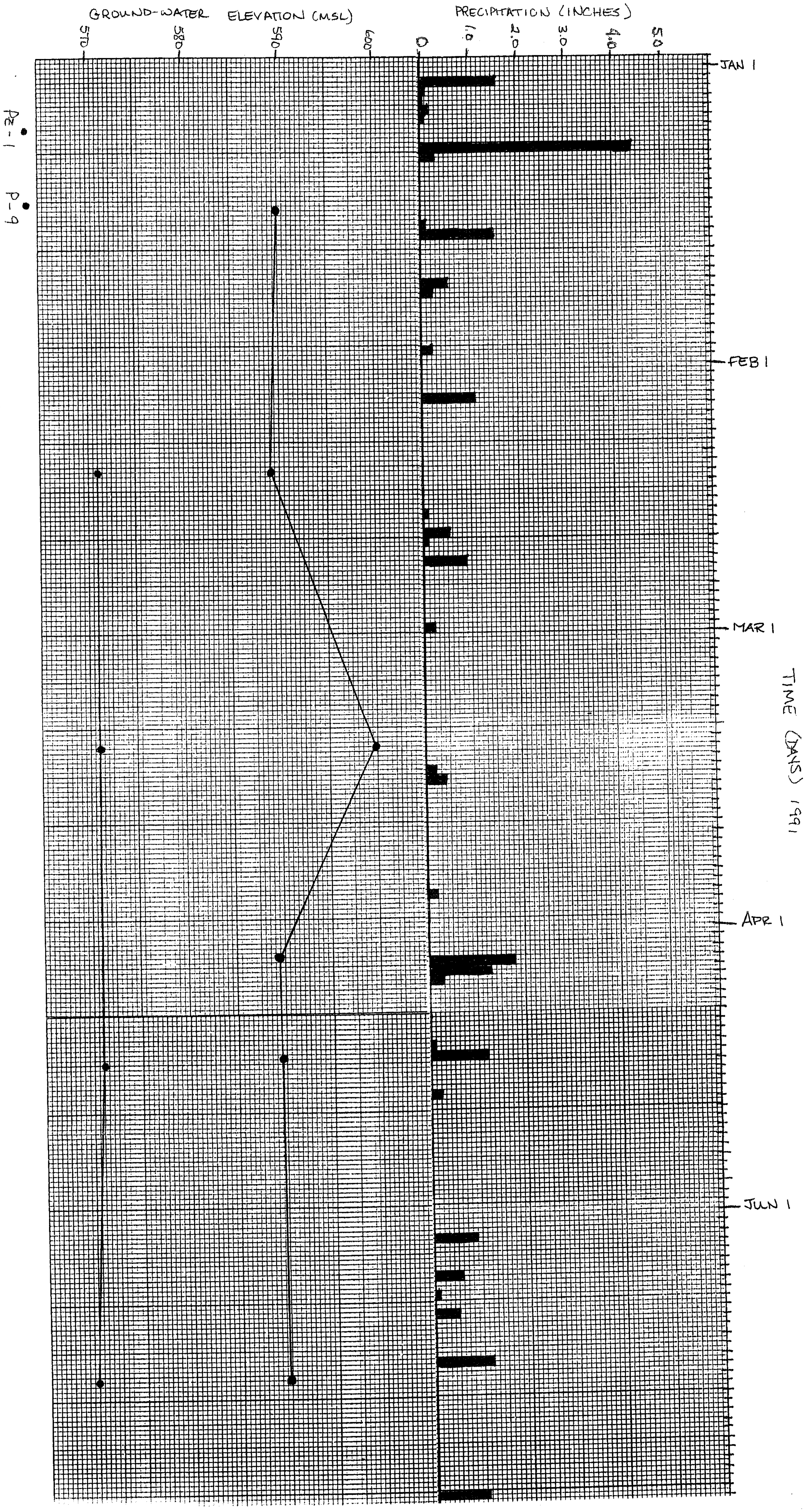
2240

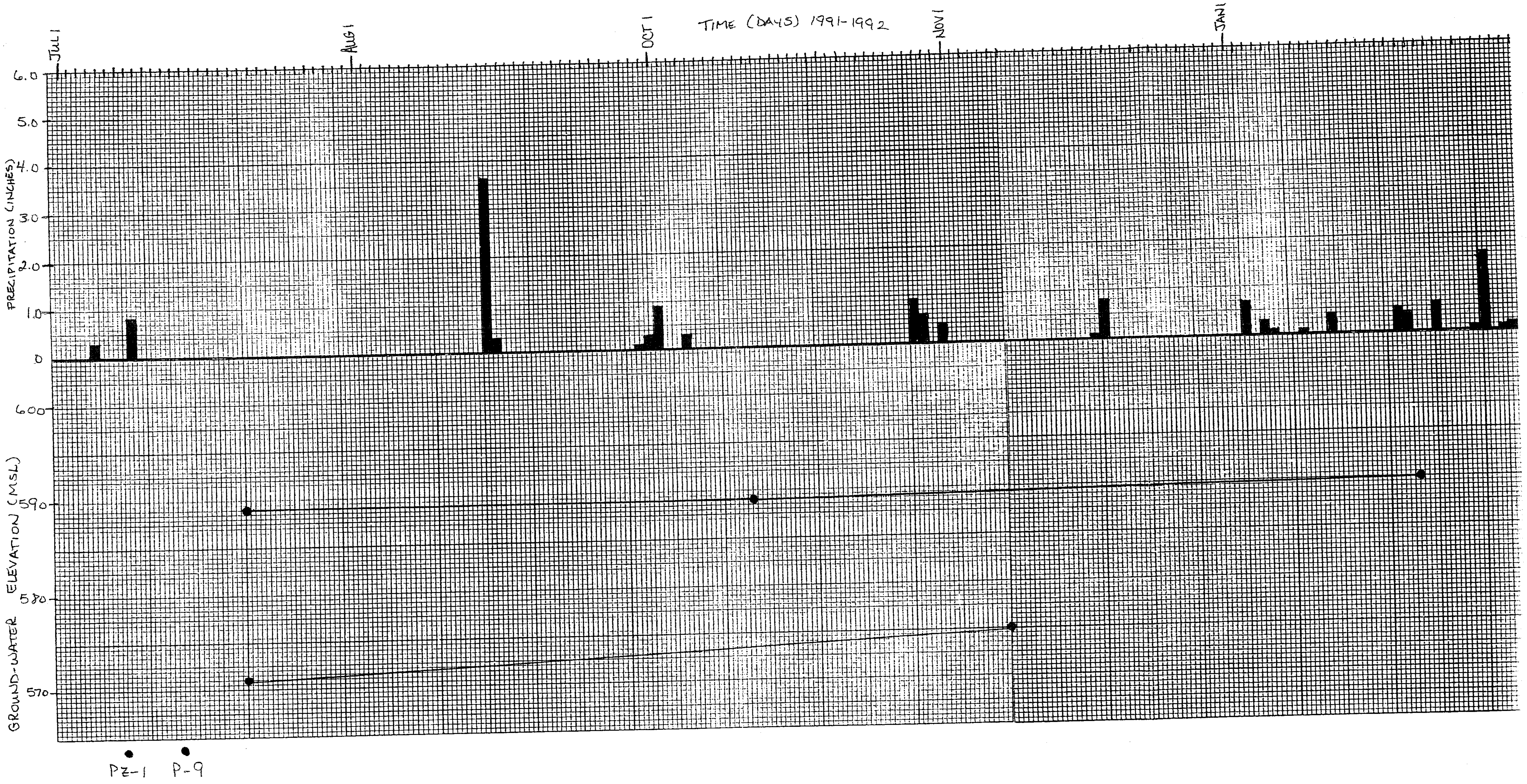


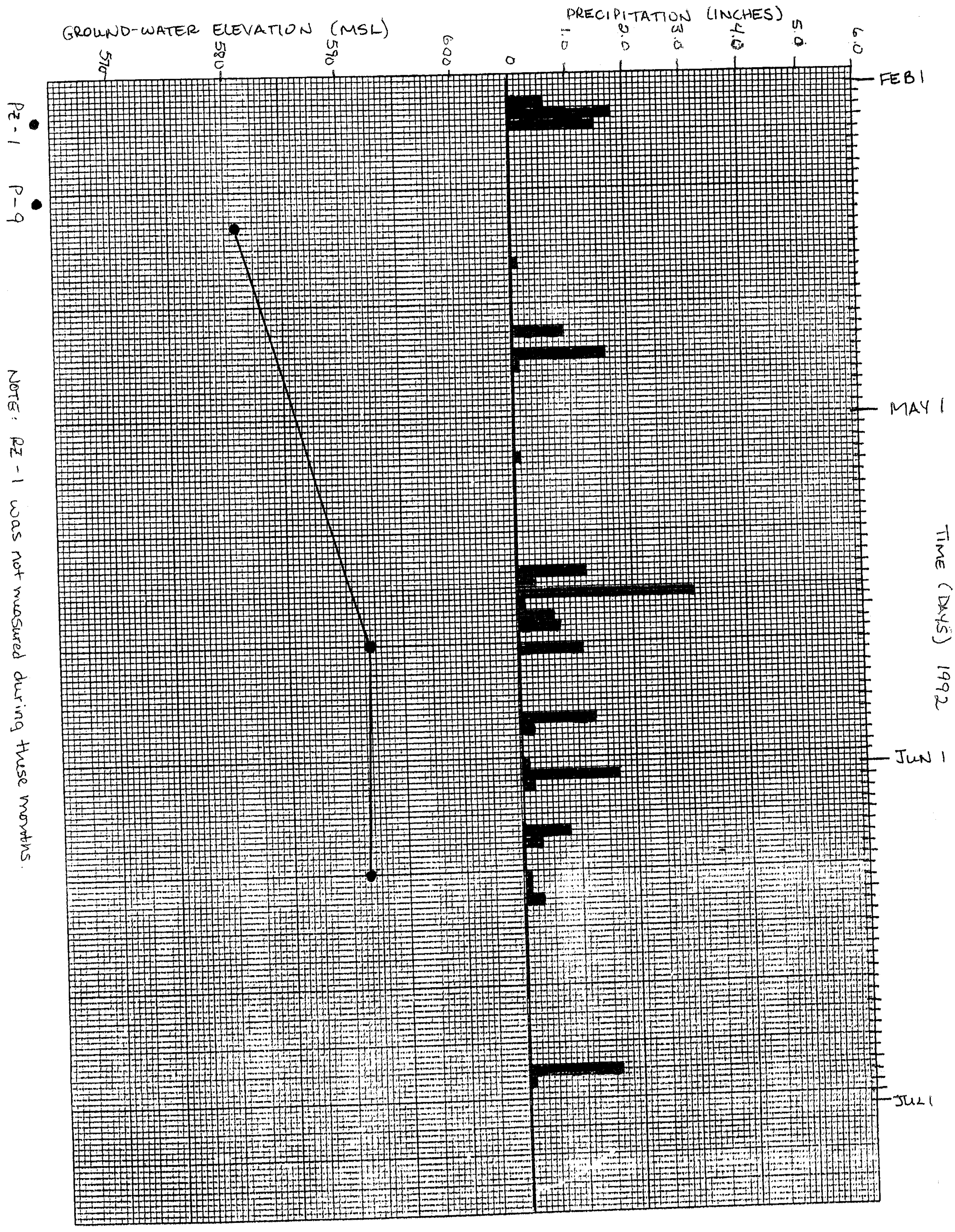
Technically Complete
2241

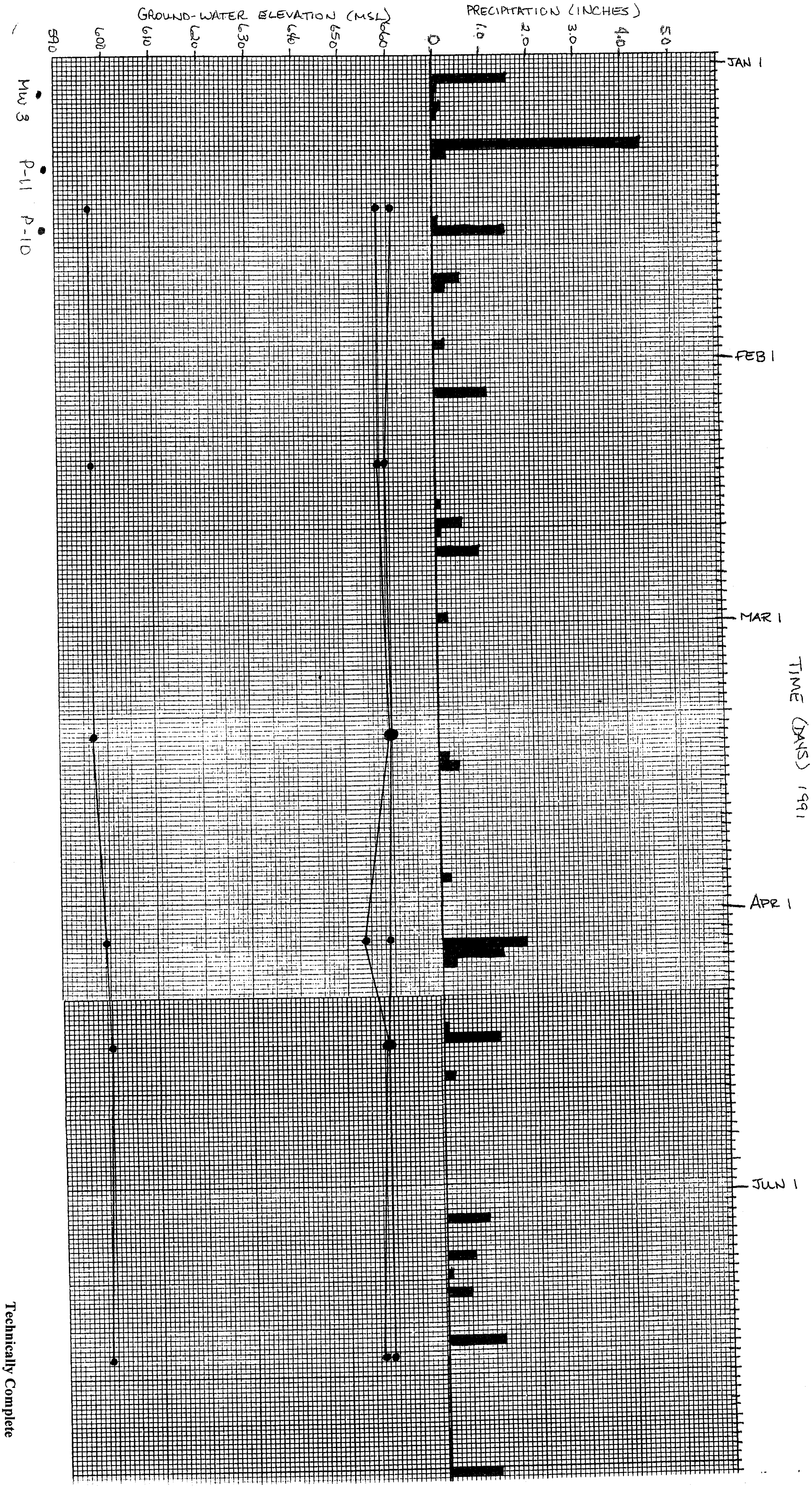

TIME (DAYS) 1992
FEB 1
MAY 1
JUN 1
JUL 1
PRECIPITATION (INCHES)
6.0
5.0
4.0
3.0
2.0
1.0
0
GROUND-WATER ELEVATION (MSL)
630
620
610
600
MW-1A
MW-2A
P-15



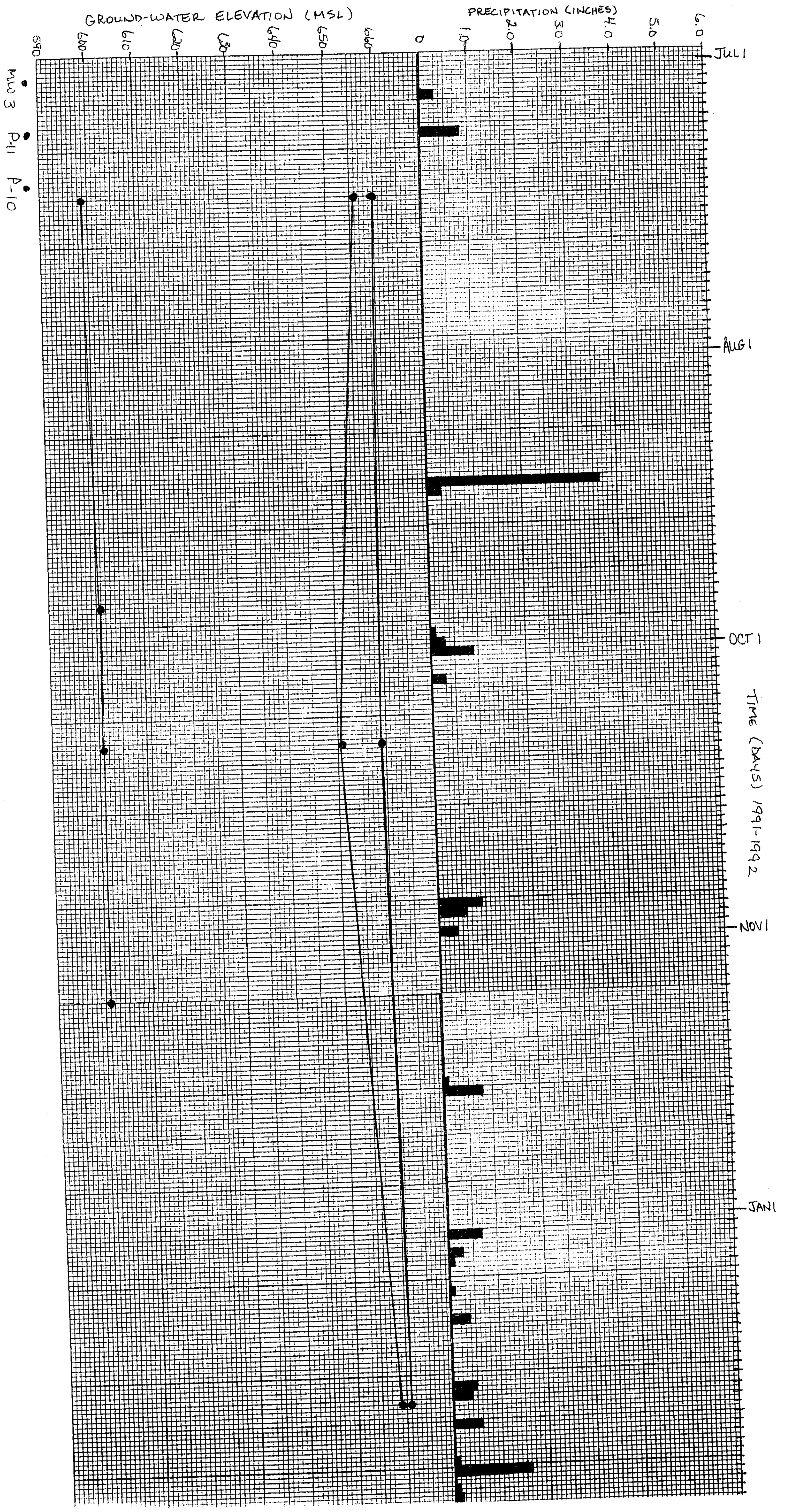
Technically Complete
2243


TIME (DAYS) 1991-1992
JUL 1
AUG 1
OCT 1
NOV 1
JAN 1
PRECIPITATION (INCHES)
6.0
5.0
4.0
3.0
2.0
1.0
0
GROUND-WATER ELEVATION (MSL)
600
590
580
570
PZ-1
P-9

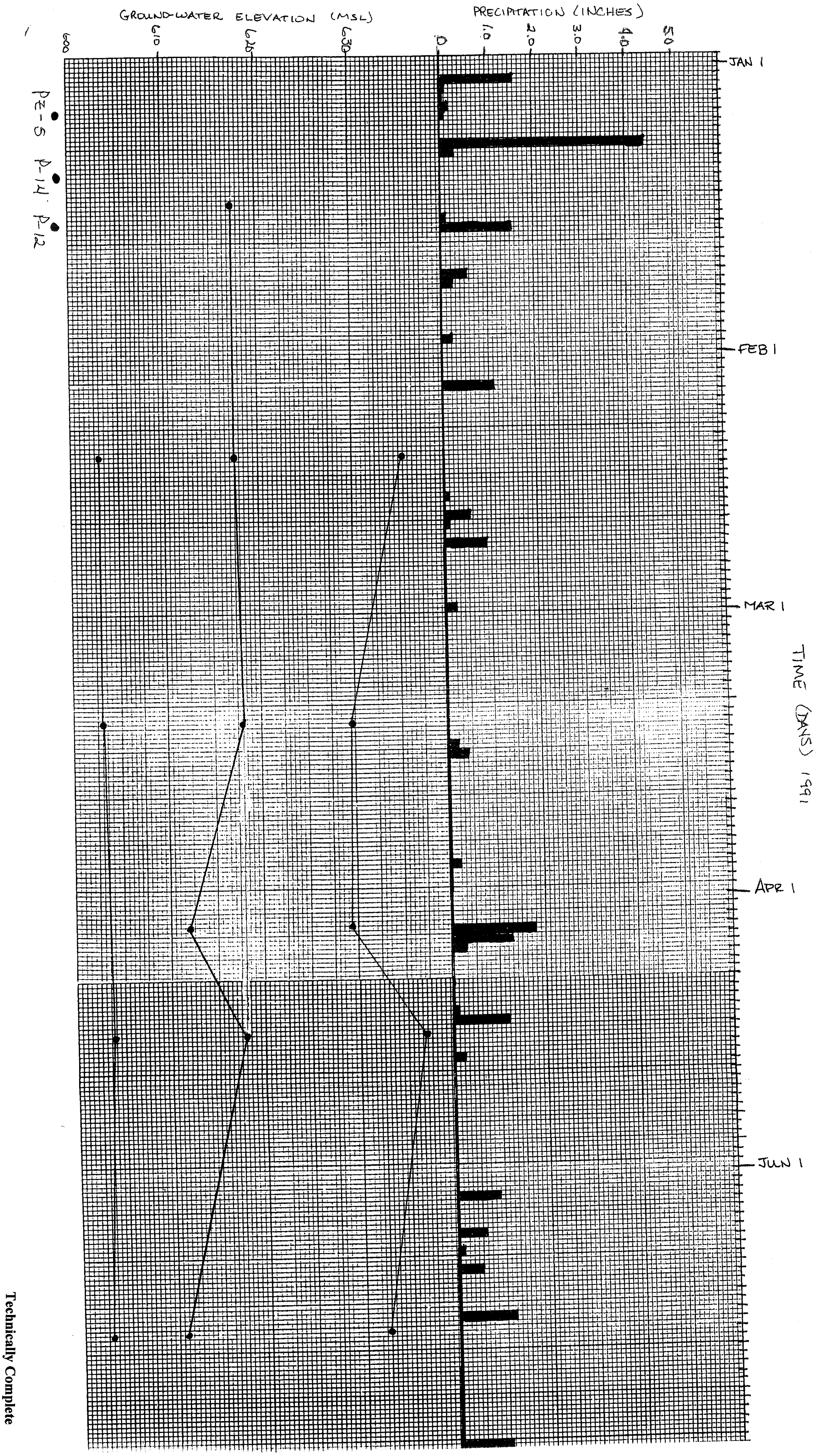

GROUND-WATER ELEVATION (MSL)
570
580
590
600
PRECIPITATION (INCHES)
0
1.0
2.0
3.0
4.0
5.0
6.0
FEB 1
MAY 1
JUN 1
JUL 1
TIME (DAYS) 1992
● Pz-1
● P-9
Note: PZ-1 was not measured during these months.

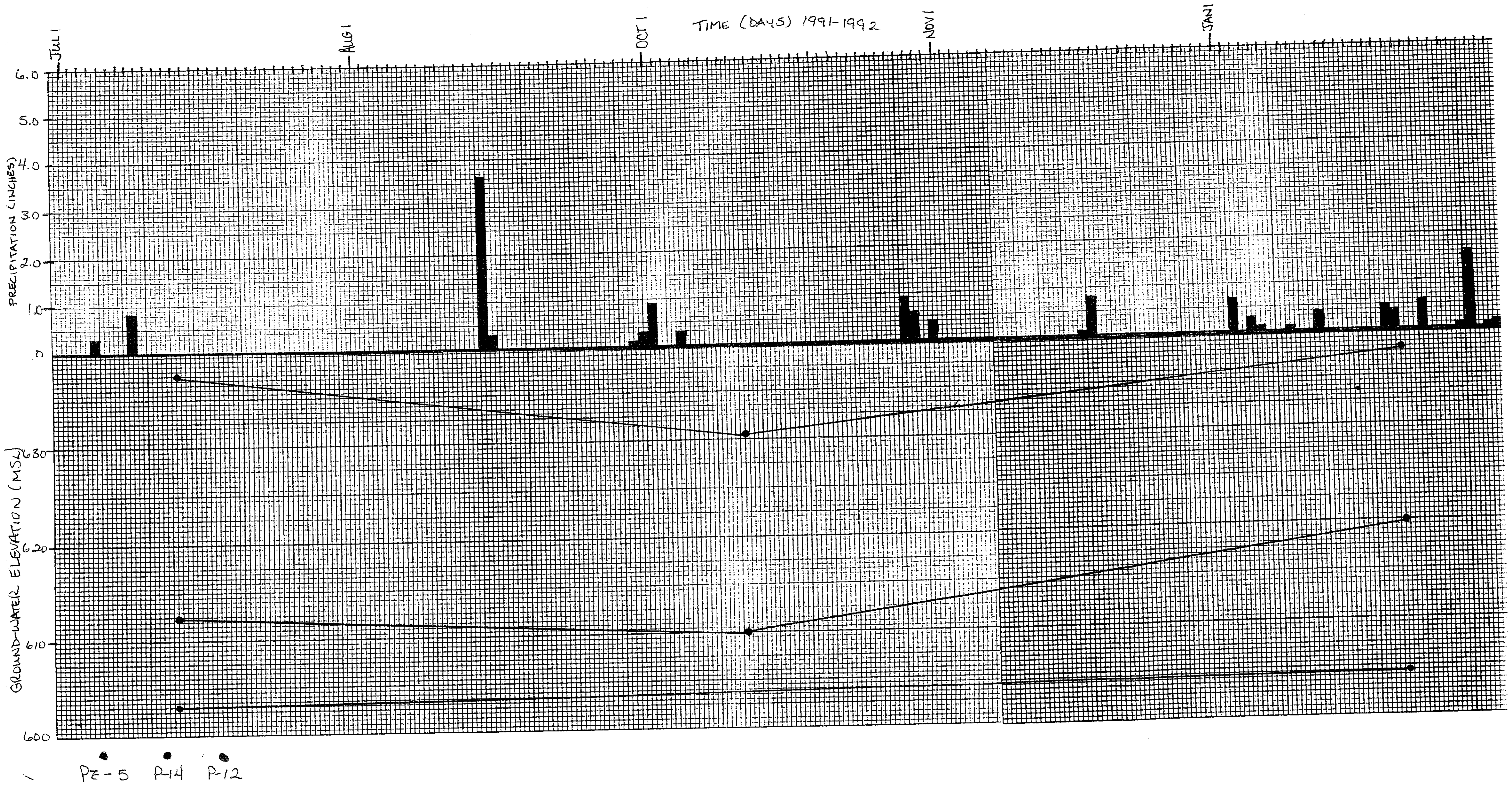


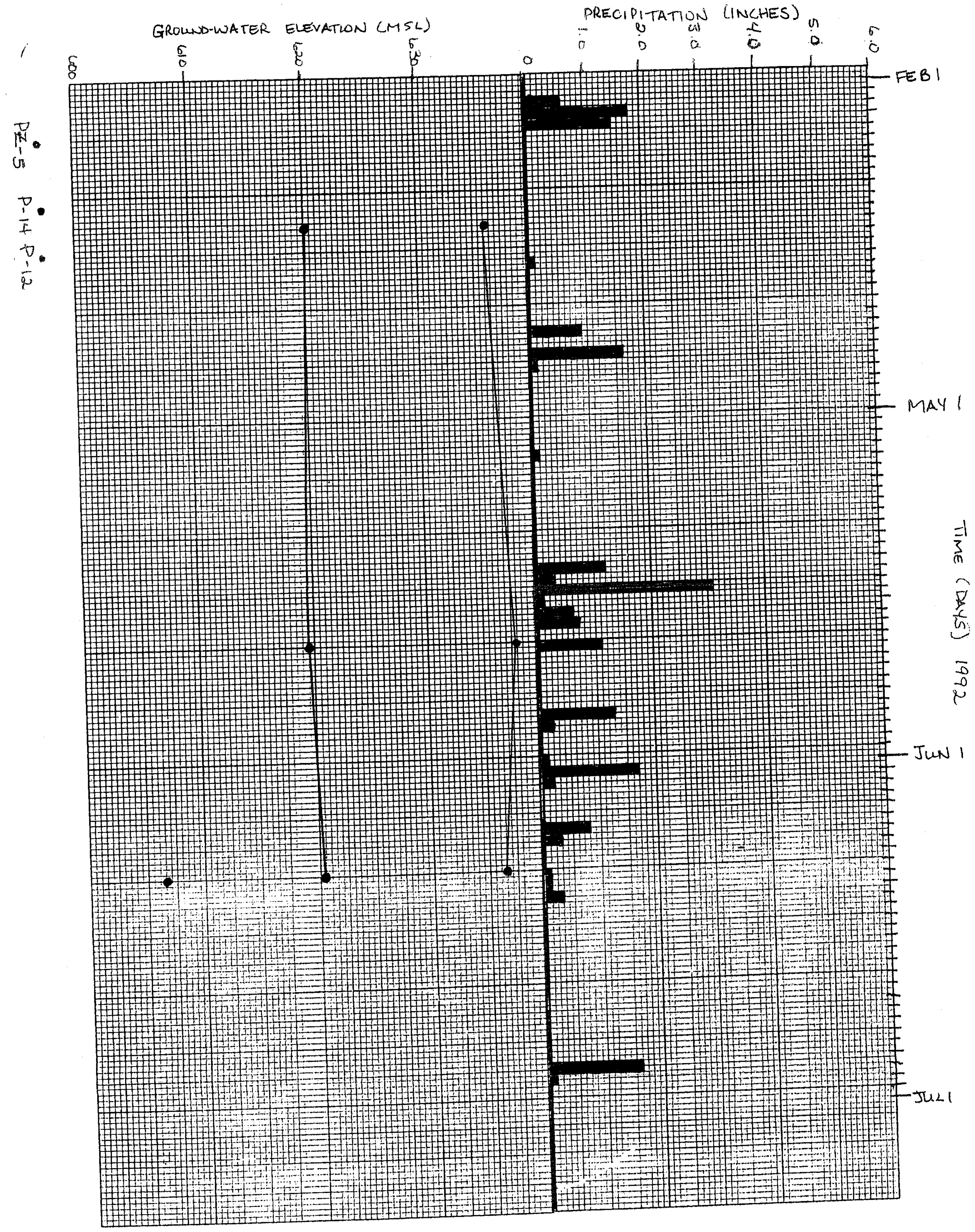
Technically Complete
2246



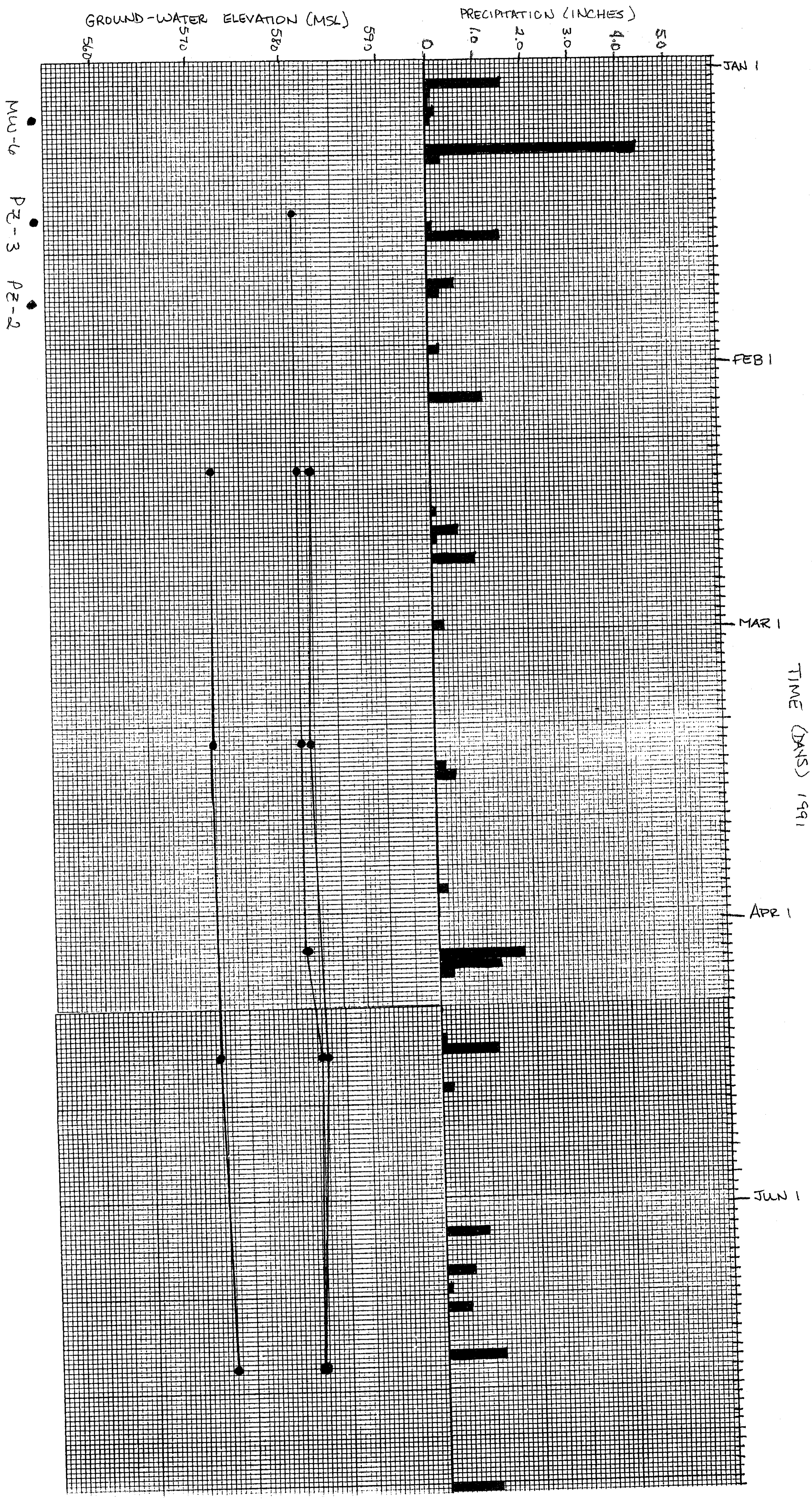
Technically Complete
2247


GROUND-WATER ELEVATION (MSL)
600
610
620
630
PRECIPITATION (INCHES)
0
1.0
2.0
3.0
4.0
5.0
PZ-5
P-14
P-12
JAN 1
FEB 1
MAR 1
APR 1
JUN 1
TIME (DAYS) 1991

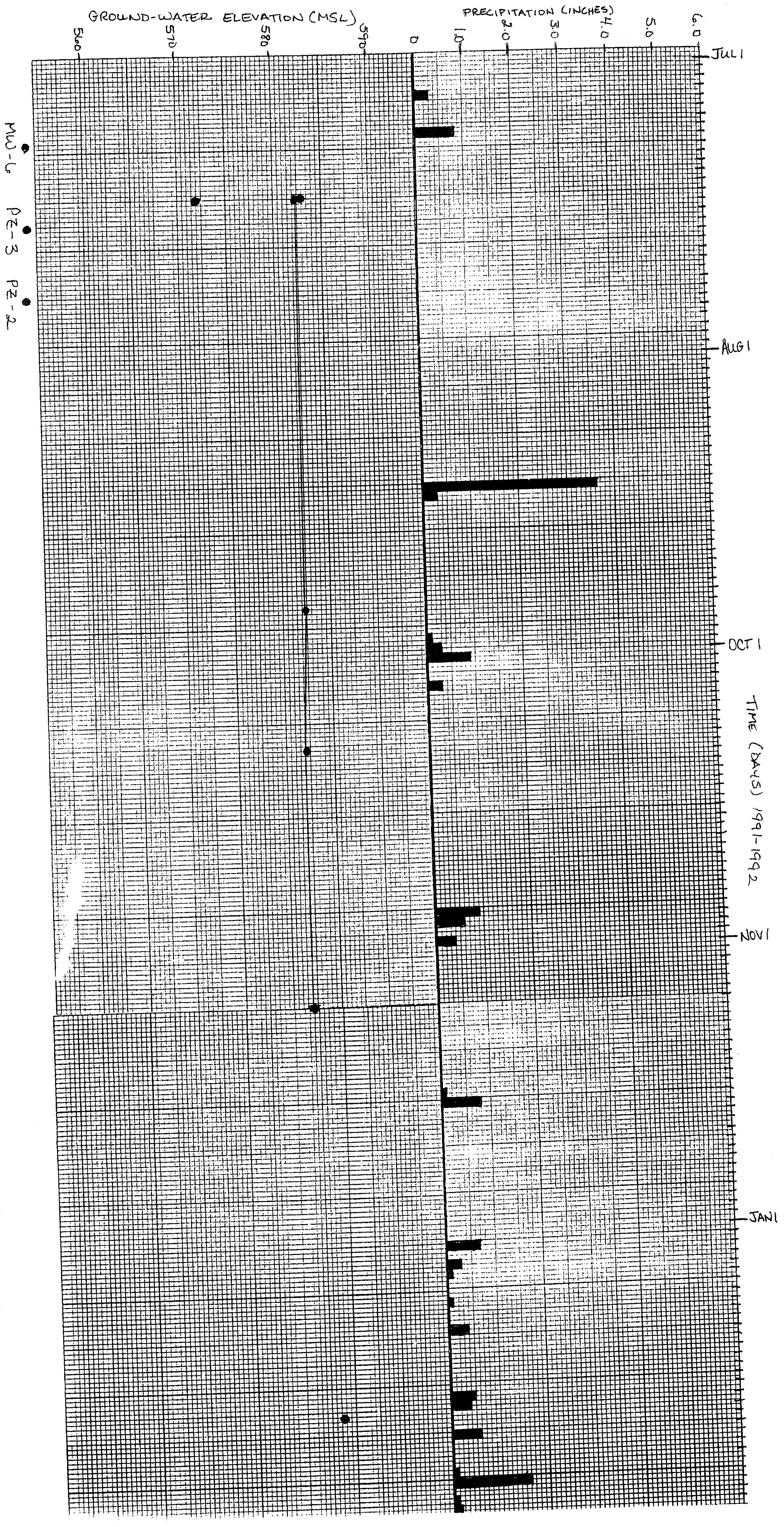

TIME (DAYS) 1991-1992
JUL 1
AUG 1
OCT 1
NOV 1
JAN 1
PRECIPITATION (INCHES)
6.0
5.0
4.0
3.0
2.0
1.0
0
GROUND-WATER ELEVATION (MSL)
630
620
610
600
PZ-5
P-14
P-12

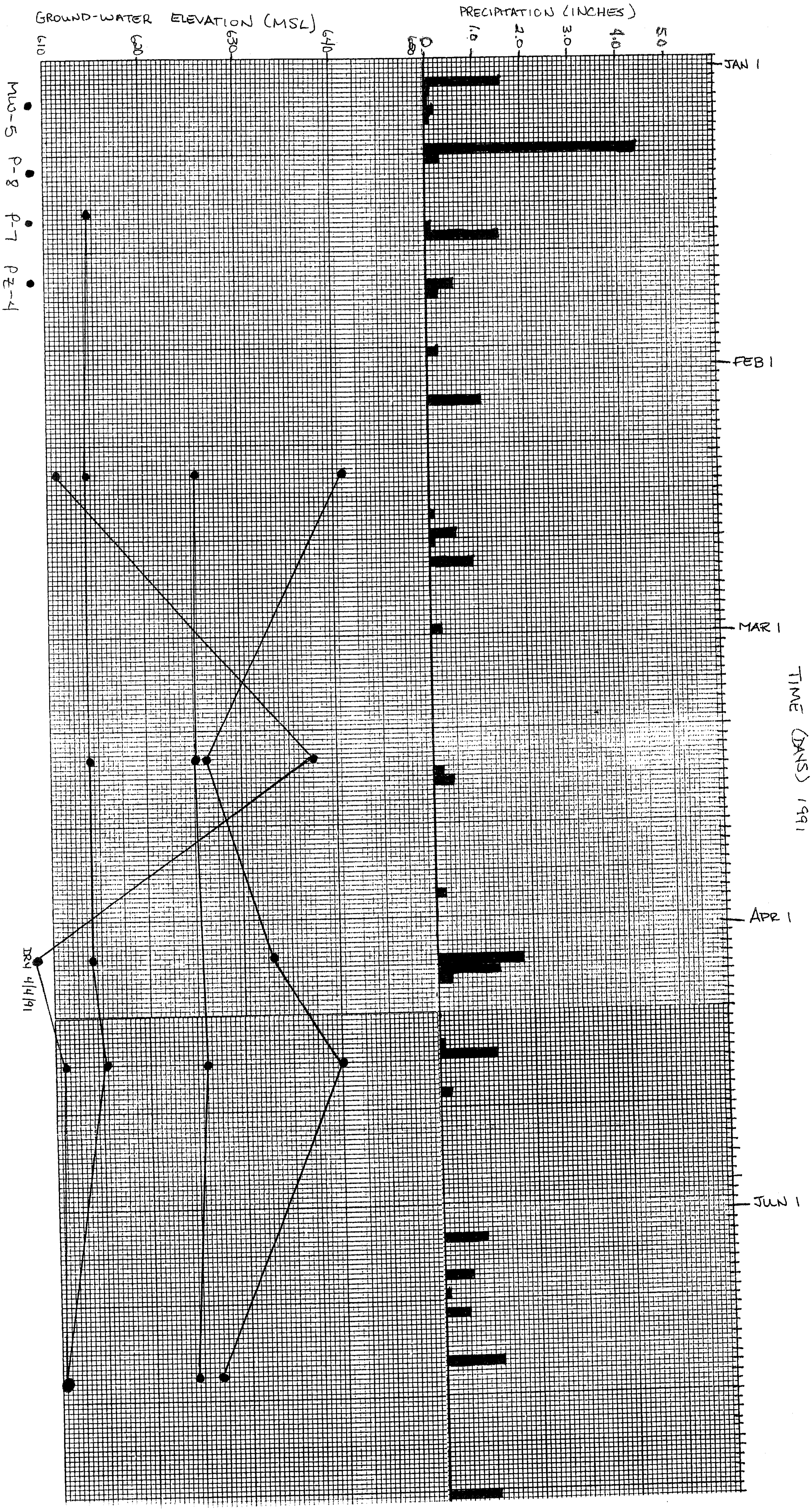


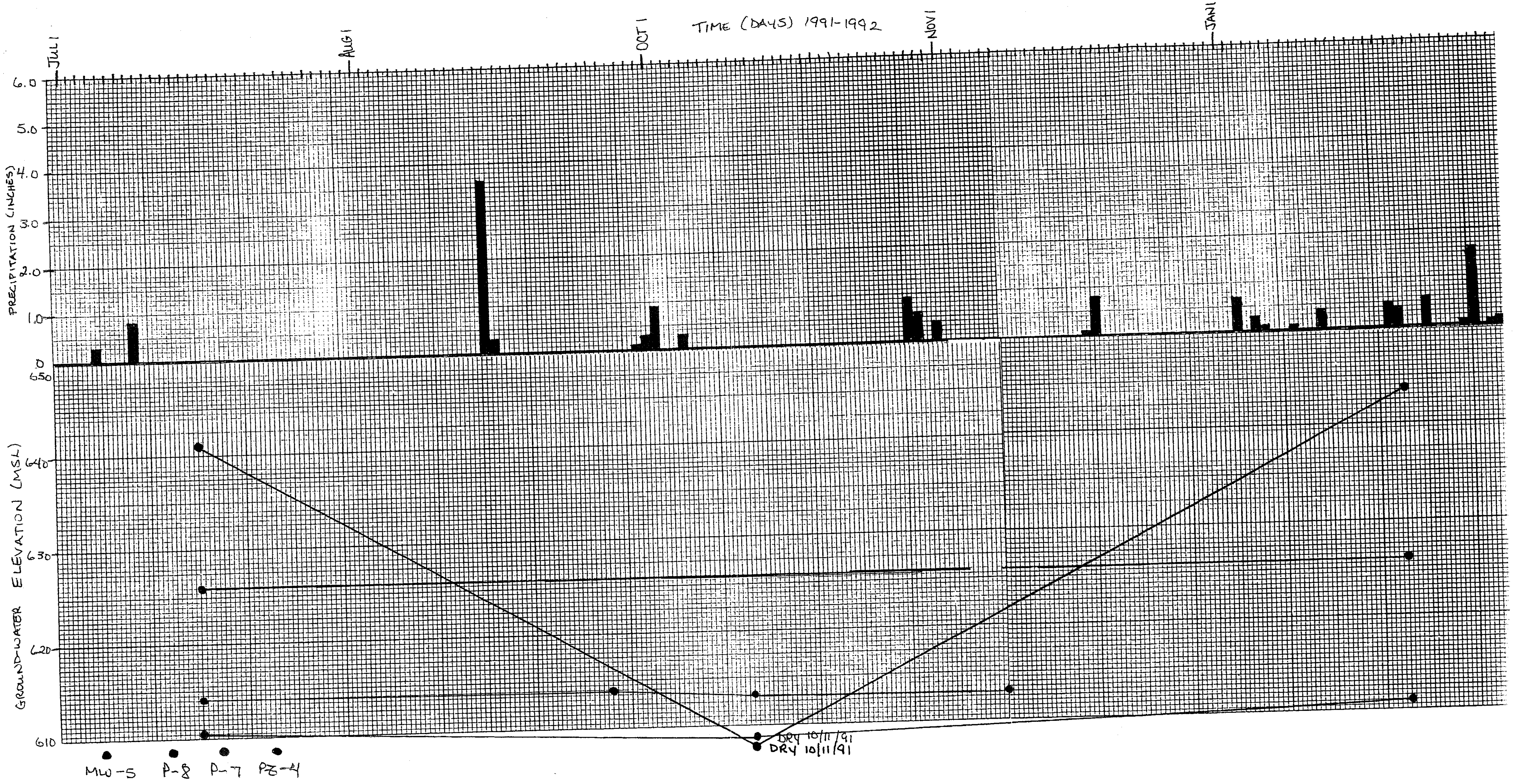
Technically Complete
2250



Technically Complete


GROUND-WATER ELEVATION (MSL)
560
570
580
590
PRECIPITATION (INCHES)
0
1.0
2.0
3.0
4.0
5.0
6.0
JUL 1
AUG 1
OCT 1
NOV 1
JAN 1
TIME (DAYS) 1991-1992
MW-6
PZ-3
PZ-2


GROUND-WATER ELEVATION (MSL)
610
620
630
640
650
PRECIPITATION (INCHES)
0
1.0
2.0
3.0
4.0
5.0
JAN 1
FEB 1
MAR 1
APR 1
JUN 1
TIME (DAYS) 1991
● MW-5
● P-8
● P-7
● PZ-4
DRY 4/4/91


TIME (DAYS) 1991-1992
JUL 1
AUG 1
OCT 1
NOV 1
JAN 1
PRECIPITATION (INCHES)
6.0
5.0
4.0
3.0
2.0
1.0
0
GROUND-WATER ELEVATION (MSL)
650
640
630
620
610
DRY 10/11/91
DRY 10/11/91
MW-5
P-8
P-7
PZ-4

APPENDIX C

APPENDIX C

WATER BALANCE CALCULATIONS

WATER BALANCE CALCULATION SHEET

(All figures are in inches unless otherwise specified)

Final Soil Cover Material Depth 3 Feet
Total Moisture Storage Capacity = 25.49 Inches
No. Years of Weather Data: 30, Station I.D. # 41-0428

Name Margaret Thomas Job No. 89-697
Location Austin Co. Landfill
P.A. No. ______ Date 1/2/90 By ______
Project Engineer ______
Public Health Region ______

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	As Indicated	REMARKS
(1) Monthly Temperature, °F (mean)	49.1	53.2	60.5	68.7	74.9	81.6	84.7	84.5	79.2	69.8	58.7	52.1		Note 3
(2) Heat Index (Σ Line 2 = I)	2.6	3.6	5.7	8.3	10.5	13.1	14.3	14.2	12.1	8.7	5.1	3.3	I= 101.5	Table 1, Bull. (A), page 206
(3) Unadjusted Potential Evapotranspir.														Table 3, Bull. (A), page 210
(4) Day Length Adjustment Factor	0.90	0.87	1.03	1.08	1.18	1.17	1.20	1.14	1.03	0.98	0.89	0.88		Table 6, Bull. (A), page 228
(5) Potential Evapotranspiration (PET)	1.34	1.42	1.93	2.32	3.00	3.70	4.61	4.53	3.78	2.87	2.05	1.53	Σ 33.08	Line (3) x Line (4)
(6) Monthly Precipitation, inches (P)	1.60	2.49	1.68	3.11	4.19	3.06	1.89	2.24	3.60	3.38	2.20	2.06	Σ 31.5	Note 3
(7) Runoff Coefficient CR/O	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20		Given. See EPA Bull. Table 3, page 8.
(8) Surface Runoff, inches R/O	0.47	0.47	0.39	0	0	0	0	0	0	0	0	0.39	Σ 1.72	Line (6) x Line (7)
(9) Infiltration, inches I	2.60	2.64	2.20	1.10	0.35	.08	0	.04	0.20	0.55	1.14	2.28	Σ 13.18	Line (6) - Line (8)
(10) Infiltration - Potential Evapotrans.	1.26	1.22	0.27	-1.22	-2.65	-3.62	-4.61	-4.49	-3.58	- 2.32	-0.91	0.75	Σ +3.5 Σ -23.4	Line (9) - Line (5)
(11) Σ Negative (I - Pot. Evap.)				-1.22	-3.87	-7.49	-12.1	-16.59	-20.17	-22.44	-23.40		Note 4	Summation of negative values in Line 10
(12) Soil Moisture Storage (ST)	2.05	3.27	3.54	2.76	1.57	-0.75	0.28	0.12	0.04	0.04	0.04	0.79	25.49	Table , Bull. (A) Curve
(13) Change in Soil Moisture Storage (ΔST)	1.26	1.22	0.27	-0.78	-1.19	-0.82	-0.47	-0.16	-0.08	0	0	0.75	Σ	From Line (12)=Present-Previous month
(14) Actual Evapotranspiration (AET)	1.34	1.42	1.93	1.85	1.54	0.91	0.47	0.20	0.28	0.55	1.14	1.54	Σ 13.17	Note 1
(15) PERCOLATION, inches/year (PERC)	0	0	0	0	0	0	0	0	0	0	0	0	Σ 0	Note 2

BULLETINS:
Instructions and tables for computing Potential Evapotranspiration and the Water Balance by Thornthwaite and Mather: Bulletin (A)
See EPA Bulletin SW-168 on the Water Balance Method of Predicting Leachate, which is used here.
SITE CHARACTERISTICS: Location - Lat. N 30°18'
Type of Soil Cover: CLAY Depth: 3 Ft.
*Soil Moisture Holding Capacity: 5.4 In./Ft.
Use soil moisture retention table for 3.54 In.
Coef. of Runoff, $C_{R/O}$ = 0.18-0.22 ; use SAME
Average depth in landfill = 40 Ft., Slope= 5 %
Area of sectorized section of landfill = 280 Acres

NOTES:
1. For months with +(I-PET), AET = PET. For months with -(I-PET), AET = I + Δ ST. Disregard sign of Δ ST.
2. Percolation occurs only in the months when (I - PET) is "+" and the soil moisture storage is at its maximum capacity (3.54 inches in this case).
BASIC EQUATION IS: PERCOLATION = PRECIPITATION - RUNOFF - Δ ST - AET = I - ΔST - AET.
3. Temperature and Precipitation data from Texas Water Oriented Data Bank, I.D. Station No. 41-0428.
4. Summation of Line 10 shows that the surplus moisture accumulates during the month(s) of JAN,MAR,DEC, and amounts to +3.5 inches. This indicates that the cover, which has a moisture storage capacity of 5.4 inches, had little or no evapotranspiration (p.17, EPA) during these months the soil was approaching saturation levels, but had no percolation.
5. Line 12 indicates that the highest amount of moisture stored in the final soil cover in any one month is 3.54" (occurring in March).

1/25/82

(OVER)

Technically Complete
2257

Temperature Data for Weather Station I.D. No. 41-0428 :

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Average Maximum	59.4	64.1	71.7	79.0	84.7	91.6	95.4	95.3	89.3	80.8	69.2	62.8
Average Minimum	38.8	42.2	49.3	58.3	65.1	71.5	73.9	73.7	69.1	58.7	48.1	41.4
Average Mean	49.1	53.2	60.5	68.7	74.9	81.6	84.7	84.5	79.2	69.8	58.7	52.1

☐ Thornthwaite's Method of Successive Approximations is not valid for a PERCOLATION condition.

☒ By Thornthwaite's Method of Successive Approximations, determine the initial negative quantity for Line 11 for the "last" month with a moisture surplus [+(I-PET)] , which is MARCH . Use Σ- value from Line 10 (- 23.4) as the first trial number for the last month having a negative I-PET, which is NOVEMBER .

From Line 10, Σ-(I-PET) = $\frac{\text{NOV}}{-23.4}$ From Line 10 $\frac{\text{MAR}}{0 \div (-23.4)}$ $\frac{\text{NOV}}{-23.4}$

From the 3.54" curve, the water retained in the soil corresponding to - 23.4 is .04" + 3.5 3.54 .04

From the 3.54" curve, the value corresponding to 3.54 is - 1.57 .

same value, no change.

Therefore, the initial negative value for is - 1.57 .

LEACHATE GENERATION

Moisture holding capacity of landfill contents
= 1.8 in./ft. for S.W. x 40 = 72 in.
5.4in./ft. for soil x 3 = 16.2 in.
TOTAL = 88.2 in.

Percolation = 0 in./yr.

Time for Leachate to First Appear = 0 YEARS

Surface of Landfill = 280 ac. x 43,560 ft²/ac.
=12,196,800sq.ft.

Vol of leachate = 12,196,800sq.ft. x 0 /12 ft³/YEAR
= 0 sq.ft. x 7.48 gal/YEAR
= 0 gallons / 365 gal/DAY
= 0 gal./day

INTERMEDIATE OPERATION

Assume that all moisture falling into the fill area stays there; therefore, $C_{R/O}$ = 0 and Runoff = 0.

1.At the halfway point in operation (area half full), the moisture holding capacity of the trench/fill area contents =

2.Moisture holding capacity of one solid waste cell w/6" cover = 3.6 inches/foot = 300mm/meter

1.Annual average rainfall = 31.50"; increased 10% =
Evaporation = 33.08"
Percolation = 0"

2.Worst two consecutive months of rainfall (APRIL & MAY)
= 3.11, 4.19"; Σ=7.30

Evaporation = 2.32", 3.0"; Σ=5.32"

Percolation = 0"

30
25
20
15
10
5
0 BOTTOM

Technically Complete
2258

PERFORMED BY R E & I

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***********************************************************************

 AUSTIN COMMUNITY LANDFILL
 HYDROGEO REDO
 11/8/93

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***********************************************************************



                              LAYER  1
                              --------

                     VERTICAL PERCOLATION LAYER
  THICKNESS                                   =       6.00 INCHES
  POROSITY                                    =       0.4640 VOL/VOL
  FIELD CAPACITY                              =       0.3104 VOL/VOL
  WILTING POINT                               =       0.1875 VOL/VOL
  INITIAL SOIL WATER CONTENT                  =       0.2000 VOL/VOL
  SATURATED HYDRAULIC CONDUCTIVITY            =       0.000115200004 CM/SEC


                              LAYER  2
                              --------

                     VERTICAL PERCOLATION LAYER
  THICKNESS                                   =      16.00 INCHES
  POROSITY                                    =       0.4300 VOL/VOL
  FIELD CAPACITY                              =       0.3663 VOL/VOL
  WILTING POINT                               =       0.2802 VOL/VOL
  INITIAL SOIL WATER CONTENT                  =       0.3663 VOL/VOL
  SATURATED HYDRAULIC CONDUCTIVITY            =       0.000001000000 CM/SEC


                              LAYER  3
                              --------

                         BARRIER SOIL LINER
  THICKNESS                                   =      20.00 INCHES
  POROSITY                                    =       0.4300 VOL/VOL
  FIELD CAPACITY                              =       0.3663 VOL/VOL
  WILTING POINT                               =       0.2802 VOL/VOL
  INITIAL SOIL WATER CONTENT                  =       0.4300 VOL/VOL
  SATURATED HYDRAULIC CONDUCTIVITY            =       0.000001000000 CM/SEC
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Tech. Complete 2259

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                                  LAYER  4
                                  --------

                         VERTICAL PERCOLATION LAYER
THICKNESS                            =   1020.00 INCHES
POROSITY                             =      0.5200 VOL/VOL
FIELD CAPACITY                       =      0.2942 VOL/VOL
WILTING POINT                        =      0.1400 VOL/VOL
INITIAL SOIL WATER CONTENT           =      0.2942 VOL/VOL
SATURATED HYDRAULIC CONDUCTIVITY     =      0.000199989998 CM/SEC


                                  LAYER  5
                                  --------

                           LATERAL DRAINAGE LAYER
THICKNESS                            =     12.00 INCHES
POROSITY                             =      0.4370 VOL/VOL
FIELD CAPACITY                       =      0.0624 VOL/VOL
WILTING POINT                        =      0.0245 VOL/VOL
INITIAL SOIL WATER CONTENT           =      0.0245 VOL/VOL
SATURATED HYDRAULIC CONDUCTIVITY     =      0.005799990147 CM/SEC
SLOPE                                =      2.00 PERCENT
DRAINAGE LENGTH                      =    800.0 FEET


                                  LAYER  6
                                  --------

                             BARRIER SOIL LINER
THICKNESS                            =     60.00 INCHES
POROSITY                             =      0.4300 VOL/VOL
FIELD CAPACITY                       =      0.3663 VOL/VOL
WILTING POINT                        =      0.2802 VOL/VOL
INITIAL SOIL WATER CONTENT           =      0.4300 VOL/VOL
SATURATED HYDRAULIC CONDUCTIVITY     =      0.000000100000 CM/SEC


                          GENERAL SIMULATION DATA
                          -----------------------

SCS RUNOFF CURVE NUMBER              =      86.67
TOTAL AREA OF COVER                  =    43560.  SQ FT
EVAPORATIVE ZONE DEPTH               =      22.00 INCHES
UPPER LIMIT VEG. STORAGE             =       9.6640 INCHES
INITIAL VEG. STORAGE                 =       7.0608 INCHES
INITIAL SNOW WATER CONTENT           =       0.0000 INCHES
INITIAL TOTAL WATER STORAGE IN
  SOIL AND WASTE LAYERS              =     341.8388 INCHES
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             SOIL WATER CONTENT INITIALIZED BY USER.


                        CLIMATOLOGICAL DATA
                        -------------------

     SYNTHETIC RAINFALL WITH SYNTHETIC DAILY TEMPERATURES AND
     SOLAR RADIATION FOR      AUSTIN                TEXAS


     MAXIMUM LEAF AREA INDEX                     = 1.00
     START OF GROWING SEASON (JULIAN DATE)       =   61
     END OF GROWING SEASON (JULIAN DATE)         =  346

          NORMAL MEAN MONTHLY TEMPERATURES, DEGREES FAHRENHEIT

    JAN/JUL      FEB/AUG      MAR/SEP      APR/OCT      MAY/NOV      JUN/DEC
    -------      -------      -------      -------      -------      -------

     49.10        53.20        60.50        68.70        74.90        81.60
     84.70        84.50        79.20        69.80        58.70        52.10


***********************************************************************

       AVERAGE MONTHLY VALUES IN INCHES FOR YEARS     1 THROUGH    20
    -------------------------------------------------------------------

                            JAN/JUL FEB/AUG MAR/SEP APR/OCT MAY/NOV JUN/DEC
                            ------- ------- ------- ------- ------- -------
    PRECIPITATION
    -------------
      TOTALS                  1.46    3.07    1.37    3.17    3.19    2.50
                              1.77    2.78    3.27    4.86    1.86    2.35

      STD. DEVIATIONS         0.74    2.10    0.84    1.90    2.35    2.74
                              1.45    1.84    2.38    3.00    1.45    1.21

    RUNOFF
    ------
      TOTALS                 0.059   0.542   0.039   0.571   0.573   0.375
                             0.112   0.316   0.596   1.382   0.247   0.259

      STD. DEVIATIONS        0.145   1.014   0.098   0.962   1.162   1.366
                             0.263   0.590   1.111   1.737   0.545   0.454

    EVAPOTRANSPIRATION
    ------------------
      TOTALS                 1.687   1.920   1.702   2.434   3.205   2.522
                             1.707   2.458   2.338   2.878   1.677   1.703

      STD. DEVIATIONS        0.626   0.745   0.808   1.139   1.353   1.583
                             1.107   1.588   1.007   0.962   0.637   0.499

    PERCOLATION FROM LAYER  3
    ------------------------
```

```
   TOTALS                 0.0886  0.0594  0.1042  0.0412  0.0204  0.0000
                          0.0000  0.0000  0.0000  0.0000  0.0000  0.0497

   STD. DEVIATIONS        0.2240  0.1031  0.1923  0.0748  0.0572  0.0000
                          0.0000  0.0000  0.0000  0.0000  0.0000  0.1488

 LATERAL DRAINAGE FROM LAYER  5
 ------------------------------
   TOTALS                 0.0163  0.0148  0.0161  0.0157  0.0164  0.0159
                          0.0165  0.0165  0.0160  0.0165  0.0159  0.0164

   STD. DEVIATIONS        0.0198  0.0181  0.0198  0.0190  0.0196  0.0189
                          0.0195  0.0195  0.0189  0.0196  0.0190  0.0198

 PERCOLATION FROM LAYER  6
 -------------------------
   TOTALS                 0.0957  0.0872  0.0988  0.0977  0.1009  0.0974
                          0.1005  0.1003  0.0969  0.1000  0.0966  0.0997

   STD. DEVIATIONS        0.0241  0.0221  0.0123  0.0085  0.0088  0.0086
                          0.0091  0.0092  0.0091  0.0096  0.0094  0.0099

***********************************************************************


***********************************************************************
AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS    1 THROUGH   20
-----------------------------------------------------------------------
                                     (INCHES)         (CU. FT.)   PERCENT
                                ----------------    ----------    -------
 PRECIPITATION                  31.65    ( 5.841)     114891.     100.00

 RUNOFF                          5.070   ( 3.033)      18404.      16.02

 EVAPOTRANSPIRATION             26.230   ( 4.191)      95217.      82.88

 PERCOLATION FROM LAYER  3       0.3635 ( 0.4219)      1319.       1.15

 LATERAL DRAINAGE FROM           0.1931 ( 0.2284)       701.       0.61
    LAYER  5

 PERCOLATION FROM LAYER  6       1.1717 ( 0.1125)      4253.       3.70

 CHANGE IN WATER STORAGE        -1.015   ( 1.272)      -3684.      -3.21
***********************************************************************


***********************************************************************

            PEAK DAILY VALUES FOR YEARS    1 THROUGH   20
   -------------------------------------------------------------
                                          (INCHES)     (CU. FT.)
                                          --------     ---------
     PRECIPITATION                          5.92        21489.6
```

```
    RUNOFF                                      4.446       16138.0

    PERCOLATION FROM LAYER  3                   0.0343        124.7

    HEAD ON LAYER  3                            0.2

    LATERAL DRAINAGE FROM LAYER  5              0.0016          5.9

    PERCOLATION FROM LAYER  6                   0.0035         12.8

    HEAD ON LAYER  6                            2.4

    SNOW WATER                                  0.00            0.0


    MAXIMUM VEG. SOIL WATER (VOL/VOL)               0.4286

    MINIMUM VEG. SOIL WATER (VOL/VOL)               0.2531

***********************************************************************




***********************************************************************

               FINAL WATER STORAGE AT END OF YEAR   20
    ---------------------------------------------------------------
                LAYER        (INCHES)        (VOL/VOL)
                -----        --------        ---------
                  1             1.28           0.2128

                  2             5.51           0.3446

                  3             8.60           0.4300

                  4           279.60           0.2741

                  5             0.75           0.0624

                  6            25.80           0.4300

              SNOW WATER        0.00

***********************************************************************
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***********************************************************************

 AUSTIN COMMUNITY LANDFILL, TEMP. CLOSED CASE (12" CLAY COVER, CONVENT)
 11/11/93

***********************************************************************
***********************************************************************



                              LAYER  1
                              --------

                     VERTICAL PERCOLATION LAYER
   THICKNESS                              =     12.00 INCHES
   POROSITY                               =      0.4300 VOL/VOL
   FIELD CAPACITY                         =      0.3663 VOL/VOL
   WILTING POINT                          =      0.2800 VOL/VOL
   INITIAL SOIL WATER CONTENT             =      0.3663 VOL/VOL
   SATURATED HYDRAULIC CONDUCTIVITY       =      0.000001000000 CM/SEC


                              LAYER  2
                              --------

                     VERTICAL PERCOLATION LAYER
   THICKNESS                              =   1020.00 INCHES
   POROSITY                               =      0.5200 VOL/VOL
   FIELD CAPACITY                         =      0.2942 VOL/VOL
   WILTING POINT                          =      0.1400 VOL/VOL
   INITIAL SOIL WATER CONTENT             =      0.2942 VOL/VOL
   SATURATED HYDRAULIC CONDUCTIVITY       =      0.000199999995 CM/SEC


                              LAYER  3
                              --------

                       LATERAL DRAINAGE LAYER
   THICKNESS                              =     12.00 INCHES
   POROSITY                               =      0.4370 VOL/VOL
   FIELD CAPACITY                         =      0.0624 VOL/VOL
   WILTING POINT                          =      0.0245 VOL/VOL
   INITIAL SOIL WATER CONTENT             =      0.0245 VOL/VOL
   SATURATED HYDRAULIC CONDUCTIVITY       =      0.005799999926 CM/SEC
```

```
SLOPE                                 =       2.00 PERCENT
DRAINAGE LENGTH                       =     800.0 FEET


                                 LAYER  4
                                 --------

                           BARRIER SOIL LINER
THICKNESS                             =      60.00 INCHES
POROSITY                              =       0.4300 VOL/VOL
FIELD CAPACITY                        =       0.3663 VOL/VOL
WILTING POINT                         =       0.2802 VOL/VOL
INITIAL SOIL WATER CONTENT            =       0.4300 VOL/VOL
SATURATED HYDRAULIC CONDUCTIVITY      =       0.000000100000 CM/SEC


                        GENERAL SIMULATION DATA
                        -----------------------

SCS RUNOFF CURVE NUMBER               =        86.67
TOTAL AREA OF COVER                   =     43560. SQ FT
EVAPORATIVE ZONE DEPTH                =        22.00 INCHES
UPPER LIMIT VEG. STORAGE              =        10.3600 INCHES
INITIAL VEG. STORAGE                  =         7.3376 INCHES
INITIAL SNOW WATER CONTENT            =         0.0000 INCHES
INITIAL TOTAL WATER STORAGE IN
  SOIL AND WASTE LAYERS               =       330.5736 INCHES

          SOIL WATER CONTENT INITIALIZED BY USER.


                          CLIMATOLOGICAL DATA
                          -------------------

SYNTHETIC RAINFALL WITH SYNTHETIC DAILY TEMPERATURES AND
SOLAR RADIATION FOR      AUSTIN                  TEXAS


MAXIMUM LEAF AREA INDEX                   = 1.00
START OF GROWING SEASON (JULIAN DATE)     =   61
END OF GROWING SEASON (JULIAN DATE)       =  346

       NORMAL MEAN MONTHLY TEMPERATURES, DEGREES FAHRENHEIT

JAN/JUL      FEB/AUG      MAR/SEP      APR/OCT      MAY/NOV      JUN/DEC
-------      -------      -------      -------      -------      -------

 49.10        53.20        60.50        68.70        74.90        81.60
 84.70        84.50        79.20        69.80        58.70        52.10

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```
    AVERAGE MONTHLY VALUES IN INCHES FOR YEARS     1 THROUGH    20
--------------------------------------------------------------------------

                          JAN/JUL FEB/AUG MAR/SEP APR/OCT MAY/NOV JUN/DEC
                          ------- ------- ------- ------- ------- -------
 PRECIPITATION
 -------------
   TOTALS                   1.46    3.07    1.37    3.17    3.19    2.50
                            1.77    2.78    3.27    4.86    1.86    2.35

   STD. DEVIATIONS          0.74    2.10    0.84    1.90    2.35    2.74
                            1.45    1.84    2.38    3.00    1.45    1.21

 RUNOFF
 ------
   TOTALS                   0.856   2.207   0.793   2.252   2.286   1.795
                            1.256   1.961   2.501   3.858   1.249   1.749

   STD. DEVIATIONS          0.558   1.809   0.656   1.601   2.092   2.260
                            1.197   1.394   1.973   2.740   1.116   0.944

 EVAPOTRANSPIRATION
 ------------------
   TOTALS                   0.686   0.882   0.572   0.919   0.906   0.748
                            0.515   0.819   0.750   0.996   0.603   0.602

   STD. DEVIATIONS          0.320   0.364   0.246   0.461   0.496   0.570
                            0.319   0.594   0.451   0.350   0.341   0.268

 LATERAL DRAINAGE FROM LAYER  3
 ------------------------------
   TOTALS                   0.0144  0.0129  0.0141  0.0138  0.0143  0.0140
                            0.0145  0.0145  0.0140  0.0145  0.0140  0.0144

   STD. DEVIATIONS          0.0194  0.0177  0.0193  0.0185  0.0190  0.0184
                            0.0190  0.0190  0.0185  0.0192  0.0187  0.0194

 PERCOLATION FROM LAYER  4
 -------------------------
   TOTALS                   0.0884  0.0805  0.0913  0.0903  0.0931  0.0900
                            0.0929  0.0927  0.0896  0.0924  0.0892  0.0918

   STD. DEVIATIONS          0.0261  0.0238  0.0173  0.0158  0.0165  0.0161
                            0.0167  0.0168  0.0164  0.0171  0.0165  0.0171

***************************************************************************


***************************************************************************

 AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS     1 THROUGH    20
---------------------------------------------------------------------------
                                     (INCHES)          (CU. FT.)    PERCENT
                                 ---------------     -----------   -------
 PRECIPITATION                   31.65   ( 5.841)       114891.     100.00

 RUNOFF                          22.763  ( 4.682)        82631.      71.92
```

```
 EVAPOTRANSPIRATION           8.999  ( 1.723)      32665.     28.43

 LATERAL DRAINAGE FROM        0.1695 ( 0.2227)       615.      0.54
    LAYER  3

 PERCOLATION FROM LAYER  4    1.0823 ( 0.1927)      3929.      3.42

 CHANGE IN WATER STORAGE     -1.363  ( 0.631)      -4948.     -4.31
***********************************************************************


***********************************************************************
           PEAK DAILY VALUES FOR YEARS    1 THROUGH   20
    ---------------------------------------------------------------
                                            (INCHES)     (CU. FT.)
                                            --------    ---------
      PRECIPITATION                           5.92       21489.6

      RUNOFF                                  5.843      21210.8

      LATERAL DRAINAGE FROM LAYER  3          0.0016         5.8

      PERCOLATION FROM LAYER  4               0.0035        12.8

      HEAD ON LAYER  4                        2.3

      SNOW WATER                              0.00           0.0

      MAXIMUM VEG. SOIL WATER (VOL/VOL)           0.3335

      MINIMUM VEG. SOIL WATER (VOL/VOL)           0.2163
***********************************************************************


***********************************************************************
              FINAL WATER STORAGE AT END OF YEAR   20
    ---------------------------------------------------------------
                 LAYER        (INCHES)        (VOL/VOL)
                 -----        --------        ---------
                   1             3.26           0.2715

                   2           273.50           0.2681

                   3             0.75           0.0624

                   4            25.80           0.4300

                SNOW WATER       0.00
***********************************************************************
```

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**********************************************************************
**********************************************************************

 AUSTIN COMMUNITY LANDFILL, COMPOSITE COVER AND LINER
 HYDEO GEO REDO
 11/11/93

**********************************************************************
**********************************************************************


                              LAYER  1
                              --------

                      VERTICAL PERCOLATION LAYER
   THICKNESS                            =     24.00 INCHES
   POROSITY                             =      0.4300 VOL/VOL
   FIELD CAPACITY                       =      0.3400 VOL/VOL
   WILTING POINT                        =      0.2300 VOL/VOL
   INITIAL SOIL WATER CONTENT           =      0.3600 VOL/VOL
   SATURATED HYDRAULIC CONDUCTIVITY     =      0.000010000000 CM/SEC


                              LAYER  2
                              --------

                        LATERAL DRAINAGE LAYER
   THICKNESS                            =      0.50 INCHES
   POROSITY                             =      0.9000 VOL/VOL
   FIELD CAPACITY                       =      0.0454 VOL/VOL
   WILTING POINT                        =      0.0200 VOL/VOL
   INITIAL SOIL WATER CONTENT           =      0.0454 VOL/VOL
   SATURATED HYDRAULIC CONDUCTIVITY     =      0.009999999776 CM/SEC
   SLOPE                                =      2.00 PERCENT
   DRAINAGE LENGTH                      =    800.0 FEET


                              LAYER  3
                              --------

          BARRIER SOIL LINER WITH FLEXIBLE MEMBRANE LINER
   THICKNESS                            =     18.00 INCHES
   POROSITY                             =      0.4300 VOL/VOL
   FIELD CAPACITY                       =      0.3663 VOL/VOL
   WILTING POINT                        =      0.2800 VOL/VOL
```

```
          INITIAL SOIL WATER CONTENT          =      0.4300 VOL/VOL
          SATURATED HYDRAULIC CONDUCTIVITY    =      0.000001000000 CM/SEC
          LINER LEAKAGE FRACTION              =      0.00500000


                                   LAYER  4
                                   --------

                         VERTICAL PERCOLATION LAYER
          THICKNESS                           =   1020.00 INCHES
          POROSITY                            =      0.5200 VOL/VOL
          FIELD CAPACITY                      =      0.2942 VOL/VOL
          WILTING POINT                       =      0.1400 VOL/VOL
          INITIAL SOIL WATER CONTENT          =      0.2942 VOL/VOL
          SATURATED HYDRAULIC CONDUCTIVITY    =      0.000199999995 CM/SEC


                                   LAYER  5
                                   --------

                           LATERAL DRAINAGE LAYER
          THICKNESS                           =     24.00 INCHES
          POROSITY                            =      0.4370 VOL/VOL
          FIELD CAPACITY                      =      0.0624 VOL/VOL
          WILTING POINT                       =      0.0245 VOL/VOL
          INITIAL SOIL WATER CONTENT          =      0.0245 VOL/VOL
          SATURATED HYDRAULIC CONDUCTIVITY    =      0.005799999926 CM/SEC
          SLOPE                               =      2.00 PERCENT
          DRAINAGE LENGTH                     =    800.0 FEET


                                   LAYER  6
                                   --------

                BARRIER SOIL LINER WITH FLEXIBLE MEMBRANE LINER
          THICKNESS                           =     24.00 INCHES
          POROSITY                            =      0.4300 VOL/VOL
          FIELD CAPACITY                      =      0.3667 VOL/VOL
          WILTING POINT                       =      0.2800 VOL/VOL
          INITIAL SOIL WATER CONTENT          =      0.4300 VOL/VOL
          SATURATED HYDRAULIC CONDUCTIVITY    =      0.000000100000 CM/SEC
          LINER LEAKAGE FRACTION              =      0.00050000


                           GENERAL SIMULATION DATA
                           -----------------------

          SCS RUNOFF CURVE NUMBER             =      86.67
          TOTAL AREA OF COVER                 =   43560.  SQ FT
          EVAPORATIVE ZONE DEPTH              =      22.00 INCHES
          UPPER LIMIT VEG. STORAGE            =       9.4600 INCHES
```

```
INITIAL VEG. STORAGE                   =        7.9200 INCHES
INITIAL SNOW WATER CONTENT             =        0.0000 INCHES
INITIAL TOTAL WATER STORAGE IN
  SOIL AND WASTE LAYERS                =      327.3947 INCHES

          SOIL WATER CONTENT INITIALIZED BY USER.


                       CLIMATOLOGICAL DATA
                       -------------------

SYNTHETIC RAINFALL WITH SYNTHETIC DAILY TEMPERATURES AND
SOLAR RADIATION FOR      AUSTIN               TEXAS


MAXIMUM LEAF AREA INDEX                   = 1.00
START OF GROWING SEASON (JULIAN DATE)     =   61
END OF GROWING SEASON (JULIAN DATE)       =  346


       NORMAL MEAN MONTHLY TEMPERATURES, DEGREES FAHRENHEIT

JAN/JUL     FEB/AUG     MAR/SEP     APR/OCT     MAY/NOV     JUN/DEC
-------     -------     -------     -------     -------     -------

 49.10       53.20       60.50       68.70       74.90       81.60
 84.70       84.50       79.20       69.80       58.70       52.10


***********************************************************************

    AVERAGE MONTHLY VALUES IN INCHES FOR YEARS    1 THROUGH   20
-----------------------------------------------------------------------

                         JAN/JUL FEB/AUG MAR/SEP APR/OCT MAY/NOV JUN/DEC
                         ------- ------- ------- ------- ------- -------
PRECIPITATION
-------------
  TOTALS                   1.46    3.07    1.37    3.17    3.19    2.50
                           1.77    2.78    3.27    4.86    1.86    2.35

  STD. DEVIATIONS          0.74    2.10    0.84    1.90    2.35    2.74
                           1.45    1.84    2.38    3.00    1.45    1.21

RUNOFF
------
  TOTALS                  0.327   1.166   0.278   1.344   1.453   1.004
                          0.699   1.170   1.572   2.610   0.585   0.854

  STD. DEVIATIONS         0.323   1.314   0.331   1.332   1.683   1.723
                          0.837   1.095   1.511   2.149   0.684   0.644

EVAPOTRANSPIRATION
------------------
  TOTALS                  1.432   1.645   1.353   1.835   1.861   1.529
                          1.136   1.616   1.527   2.085   1.269   1.405

  STD. DEVIATIONS         0.607   0.647   0.669   0.946   1.044   1.097
```

```
                  0.653    1.074    0.633    0.812    0.693    0.505

 LATERAL DRAINAGE FROM LAYER  2
 ------------------------------
   TOTALS                 0.0020   0.0022   0.0025   0.0025   0.0024   0.0022
                          0.0022   0.0020   0.0018   0.0018   0.0016   0.0016

   STD. DEVIATIONS        0.0035   0.0039   0.0049   0.0049   0.0051   0.0048
                          0.0047   0.0045   0.0041   0.0040   0.0037   0.0035

 PERCOLATION FROM LAYER  3
 -------------------------
   TOTALS                 0.0021   0.0019   0.0021   0.0020   0.0020   0.0018
                          0.0019   0.0019   0.0016   0.0017   0.0016   0.0019

   STD. DEVIATIONS        0.0024   0.0022   0.0024   0.0023   0.0023   0.0022
                          0.0023   0.0023   0.0021   0.0022   0.0021   0.0023

 LATERAL DRAINAGE FROM LAYER  5
 ------------------------------
   TOTALS                 0.0958   0.0875   0.0961   0.0931   0.0963   0.0937
                          0.0975   0.0981   0.0954   0.0989   0.0959   0.0993

   STD. DEVIATIONS        0.0295   0.0267   0.0291   0.0280   0.0288   0.0264
                          0.0252   0.0235   0.0214   0.0214   0.0202   0.0204

 PERCOLATION FROM LAYER  6
 -------------------------
   TOTALS                 0.0001   0.0001   0.0001   0.0001   0.0001   0.0001
                          0.0001   0.0001   0.0001   0.0001   0.0001   0.0001

   STD. DEVIATIONS        0.0000   0.0000   0.0000   0.0000   0.0000   0.0000
                          0.0000   0.0000   0.0000   0.0000   0.0000   0.0000

***********************************************************************


***********************************************************************

 AVERAGE ANNUAL TOTALS & (STD. DEVIATIONS) FOR YEARS    1 THROUGH   20
-----------------------------------------------------------------------
                                   (INCHES)          (CU. FT.)    PERCENT
                               ---------------     -----------    -------
  PRECIPITATION                31.65    ( 5.841)      114891.     100.00

  RUNOFF                       13.063   ( 3.617)       47420.      41.27

  EVAPOTRANSPIRATION           18.691   ( 3.281)       67849.      59.05

  LATERAL DRAINAGE FROM         0.0249 ( 0.0505)          90.       0.08
     LAYER  2

  PERCOLATION FROM LAYER  3     0.0225 ( 0.0258)          82.       0.07

  LATERAL DRAINAGE FROM         1.1475 ( 0.2963)        4165.       3.63
     LAYER  5

  PERCOLATION FROM LAYER  6     0.0008 ( 0.0001)           3.       0.00
```

```
   CHANGE IN WATER STORAGE      -1.277  ( 0.763)        -4636.      -4.04
***************************************************************************


***************************************************************************

             PEAK DAILY VALUES FOR YEARS    1 THROUGH   20
    ------------------------------------------------------------------
                                                 (INCHES)      (CU. FT.)
                                                 --------      ---------
      PRECIPITATION                                5.92         21489.6

      RUNOFF                                       5.506        19986.5

      LATERAL DRAINAGE FROM LAYER  2               0.0006           2.3

      PERCOLATION FROM LAYER  3                    0.0002           0.6

      HEAD ON LAYER  3                             0.4

      LATERAL DRAINAGE FROM LAYER  5               0.0041          14.7

      PERCOLATION FROM LAYER  6                    0.0000           0.0

      HEAD ON LAYER  6                             9.5

      SNOW WATER                                   0.00             0.0


      MAXIMUM VEG. SOIL WATER (VOL/VOL)                0.3614

      MINIMUM VEG. SOIL WATER (VOL/VOL)                0.2296

***************************************************************************



***************************************************************************

                FINAL WATER STORAGE AT END OF YEAR   20
    ------------------------------------------------------------------
                  LAYER        (INCHES)      (VOL/VOL)
                  -----        --------      ---------
                    1             5.61         0.2338

                    2             0.02         0.0454

                    3             7.74         0.4300

                    4           275.01         0.2696

                    5             3.15         0.1311

                    6            10.32         0.4300
```

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               SNOW WATER        0.00

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Technically Complete
2273

APPENDIX D

APPENDIX D

LABORATORY RESULTS FOR 1980 GEOTECHNICAL BORINGS

LABORATORY TEST

PROJECT AUSTIN COMMUNITY DISPOSAL

JOB NO 8-10880 DATE: 9 September 1980

BORING NO	DEPTH IN FEET	SAMPLE NO.	TYPE OF MATERIAL	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS			Coeficient of Permea-bility (CM/SEC)	LATERAL PRESSURE psi	TYPE FAILURE	OTHERTESTS Percent Passing #200 Sieve
						LL	PL	PI				
X-7	10		Tan clay	21	102	57	25	32	$2.1x10^{-8}$			92
	40		Grey shaley clay	13	104	64	28	36	$8.7x10^{-9}$			96
X-8	20		Reddish brown clay	18	101	59	26	33	$1.6x10^{-8}$			94
	30		Grey shaley clay	16	105	65	29	36	$6.4x10^{-8}$			96
X-9	10		Tan clay	24	99	68	27	41	$5.4x10^{-9}$			98
	50		Blue grey clayey shale	12	106	64	29	35	$4.4x10^{-8}$			98
X-10	20		Tan and grey clay	16	99	69	25	44	$7.1x10^{-8}$			97
	60		Blue grey clayey shale	12	105	66	29	37	$9.9x10^{-8}$			99
X-11	30		Tan and grey clay	13	100	67	30	37	$5.6x10^{-8}$			97
	50		Blue grey clayey shale	12	111	72	28	44	$1.1x10^{-9}$			98
X-12	20		Tan brown clay	17	101	64	27	37	$3.4x10^{-8}$			93
	40		Grey shaley clay	14	107	69	28	41	$5.2x10^{-8}$			98
X-13	10		Tan clay	26	97	58	25	33	$1.2x10^{-9}$			90
	50		Blue grey shaley clay	11	109	64	26	38	$2.6x10^{-9}$			97

LABORATORY TEST

PROJECT AUSTIN COMMUNITY DISPOSAL

JOB NO 8-10880 DATE: 9 September 1980

BORING NO	DEPTH IN FEET	SAMPLE NO.	TYPE OF MATERIAL	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS			Coeficient of Permea- bility (CM/SEC)	LATERAL PRESSURE psi	TYPE FAILURE	OTHER TESTS Percent Passing #200 Sieve
						LL	PL	PI				
X-14	40		Tan and grey clay	12	106	65	25	40	6.4×10^{-8}			98
	70		Grey shaley clay	11	107	70	28	42	6.2×10^{-9}			99

Technically Complete
2277

LABORATORY TEST

PROJECT (EXISTING) AUSTIN COMMUNITY DISPOSAL, INC.

JOB NO 7-10080 **DATE** 4 August 1980

BORING NO.	DEPTH IN FEET	SAMPLE NO.	TYPE OF MATERIAL	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS			Coeficient of Permea- bility (CM/SEC)	LATERAL PRESSURE psi	TYPE FAILURE	OTHER TESTS Percent Passing #200 Sieve
						LL	PL	PI				
X-1	10.0		Tan and grey clay	18.0	105	56	28	28	8.1×10^{-8}			89
	50.0		Grey shaley clay	12.0	---	58	22	36	8.9×10^{-8}			96
	65.0		Blue shaley clay	11.4	---	61	24	37	5.4×10^{-8}			99
X-2	10.0		Tan and grey clay	19.6	101	72	28	44	2.4×10^{-9}			99
	35.0		Grey and tan shale	14.5	---	70	26	44	3.6×10^{-9}			97
	45.0		Grey shaley clay	13.2	---	55	25	30	4.4×10^{-8}			98
X-3	2.5		Grey silty clay	17.4	---	54	26	28	9.2×10^{-7}			92
	15.0		Tan and grey clay	16.9	99	65	29	36	7.1×10^{-8}			99
	30.0		Blue grey shaley clay	13.6	---	58	24	34	5.1×10^{-9}			95
X-4	20.0		Tan and grey clay	14.4	102	66	28	38	2.4×10^{-9}			97
	50.0		Blue grey shaley clay	12.1	---	54	25	29	3.5×10^{-9}			99
X-5	30.0		Grey and tan clay	11.9	105	75	28	47	9.9×10^{-8}			99
	60.0		Blue grey shaley clay	12.0	---	69	26	43	4.9×10^{-8}			99
X-6	20.0		Tan and grey clay	15.2	102	71	27	44	1.1×10^{-9}			94
	40.0		Grey and tan clay	12.6	109	65	28	37	6.4×10^{-8}			96

LABORATORY TEST

PROJECT (EXISTING) AUSTIN COMMUNITY DISPOSAL, INC.

JOB NO 7-10080 **DATE**: 4 August 1980

BORING NO	DEPTH IN FEET	SAMPLE NO	TYPE OF MATERIAL	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS			Coeficient of Permea-bility (CM/SEC)	LATERAL PRESSURE psi	TYPE FAILURE	OTHER TESTS Percent Passing #200 Sieve
						LL	PL	PI				
X-6	60.0		Grey and tan shaley clay	9.7	---	60	23	37	$.9x10^{-9}$			98

Technically Complete
2279

LABORATORY TEST

PROJECT: LONGHORN LANDFILL

JOB NO. 5-7580 DATE: 9 July 1980

BORING NO.	DEPTH IN FEET	SAMPLE NO.	TYPE OF MATERIAL	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS			Coeficient of Permea-bility (CM/SEC)	LATERAL PRESSURE psi	TYPE FAILURE	OTHERTESTS Percent Passing #200 Sieve
						LL	PL	PI				
A-1	10.0		Tan clay	25.1	101	64	28		$8.6x10^{-8}$			96
	20.0		Tan limey clay	19.6	104	59	26		$3.8x10^{-8}$			90
	30.0		Tan and grey clay	17.9	112	62	27		$6.1x10^{-8}$			98
	60.0		Blue shaley clay	12.1	---	45	24		$3.9x10^{-9}$			99
A-2	1.5		Grey clay	26.4	97	56	29		$4.6x10^{-8}$			95
	10.0		Tan and grey clay	22.2	102	68	28		$8.1x10^{-8}$			98
	30.0		Tan and grey clay	18.5	105	71	28		$6.5x10^{-8}$			98
	40.0		Blue grey shaley clay	16.4	---	54	25		$4.4x10^{-9}$			97
A-3	10.0		Tan and grey clay	23.3	112	63	26		$3.3x10^{-8}$			98
	30.0		Tan and grey clay	17.8	103	66	28		$6.4x10^{-9}$			97
	50.0		Blue shaley clay	15.4	---	41	20	21	$4.2x10^{-8}$			99
A-4	1.5		Grey clay	25.6	99	59	25		$5.5x10^{-7}$			89
	20.0		Tan and grey clay	18.6	106	64	26		$1.6x10^{-9}$			94
	40.0		Blue grey shale	14.0	---	48	22	26	$9.4x10^{-8}$			99
A-5	1.5		Grey clay	25.1	110	57	27		$9.1x10^{-7}$			96

LABORATORY TEST

PROJECT: LONGHORN LANDFILL

JOB NO 5-7580 DATE: 9 July 1980

BORING NO.	DEPTH IN FEET	SAMPLE NO.	TYPE OF MATERIAL	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS			Coeficient of Permea-bility (CM/SEC)	LATERAL PRESSURE psi	TYPE FAILURE	OTHERTESTS Percent Passing #200 Sieve
						LL	PL	PI				
A-5	10.0		Tan clay	24.8	105	62	28		$8.6x10^{-7}$			98
	20.0		Tan and grey clay	19.3	109	74	30		$5.6x10^{-8}$			99
	50.0		Blue grey shaley clay	16.2	---	46	19		$9.4x10^{-8}$			95
A-6	1.5		Grey clay	25.2	101	54	27		$1.6x10^{-8}$			89
	10.0		Tan and grey clay	24.8	103	72	28		$2.9x10^{-8}$			98
	60.0		Blue grey shaley clay	12.1	---	41	19		$1.2x10^{-9}$			96
B-1	10.0		Tan clay	24.9	113	55	26		$6.8x10^{-7}$			95
	30.0		Tan and grey clay	22.8	108	71	29		$5.7x10^{-8}$			98
	50.0		Blue shaley clay	11.4	---	44	21		$6.2x10^{-8}$			96
B-2	1.5		Tan limey clay	26.8	96	62	28		$8.5x10^{-7}$			92
	10.0		Tan and brown clay	23.9	104	66	27		$9.4x10^{-7}$			94
	40.0		Tan shaley clay	16.7	111	52	24		$6.4x10^{-8}$			96
B-3	5.0		Tan and grey clay	23.6	102	59	27		$7.6x10^{-8}$			92
	20.0		Tan and grey clay	19.5	110	72	28		$8.7x10^{-8}$			96
	[illegible]		Blue shaley clay	12.6	107	[illegible]	20		$5.4x10^{-6}$			95

LABORATORY TEST

PROJECT: LONGHORN LANDFILL

JOB NO. 5-7580 **DATE:** 9 July 1980

BORING NO.	DEPTH IN FEET	SAMPLE NO.	TYPE OF MATERIAL	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS			Coeficient of Permea-bility (CM/SEC)	LATERAL PRESSURE psi	TYPE FAILURE	OTHERTESTS Percent Passing #200 Sieve
						LL	PL	PI				
B-4	2.0		Dark grey clay	24.9	98	74	29		$1.5x10^{-7}$			87
	10.0		Tan and grey clay	21.4	101	68	28		$3.2x10^{-9}$			89
	30.0		Tan and grey clay	18.8	106	74	28		$4.6x10^{-8}$			96
	50.0		Blue shaley clay	10.7	---	42	21		$2.8x10^{-8}$			98
B-5	2.0		Grey clay	27.5	100	65	27		$5.5x10^{-8}$			90
	20.0		Tan and grey clay	26.2	104	72	27		$4.6x10^{-7}$			96
	40.0		Tan and grey clay	17.4	104	76	28		$9.2x10^{-8}$			96
	60.0		Blue shaley clay	10.7	---	43	20		$5.6x10^{-8}$			98
C-1	2.0		Grey clay	25.4	102	64	26		$6.9x10^{-7}$			84
	20.0		Tan and grey clay	17.3	104	76	28		$3.1x10^{-9}$			92
	60.0		Blue shaley clay	12.2	---	44	21		$1.5x10^{-9}$			96
C-2	4.0		Dark grey clay	26.9	103	59	29		$7.6x10^{-7}$			85
	30.0		Grey and tan clay	18.8	108	67	25		$3.1x10^{-8}$			94
	50.0		Blue shaley clay	13.2	---	41	19		$5.5x10^{-8}$			95
C-3	20.0		Tan and grey clay	19.2	101	76	29		$4.0x10^{-8}$			96

LABORATORY TEST

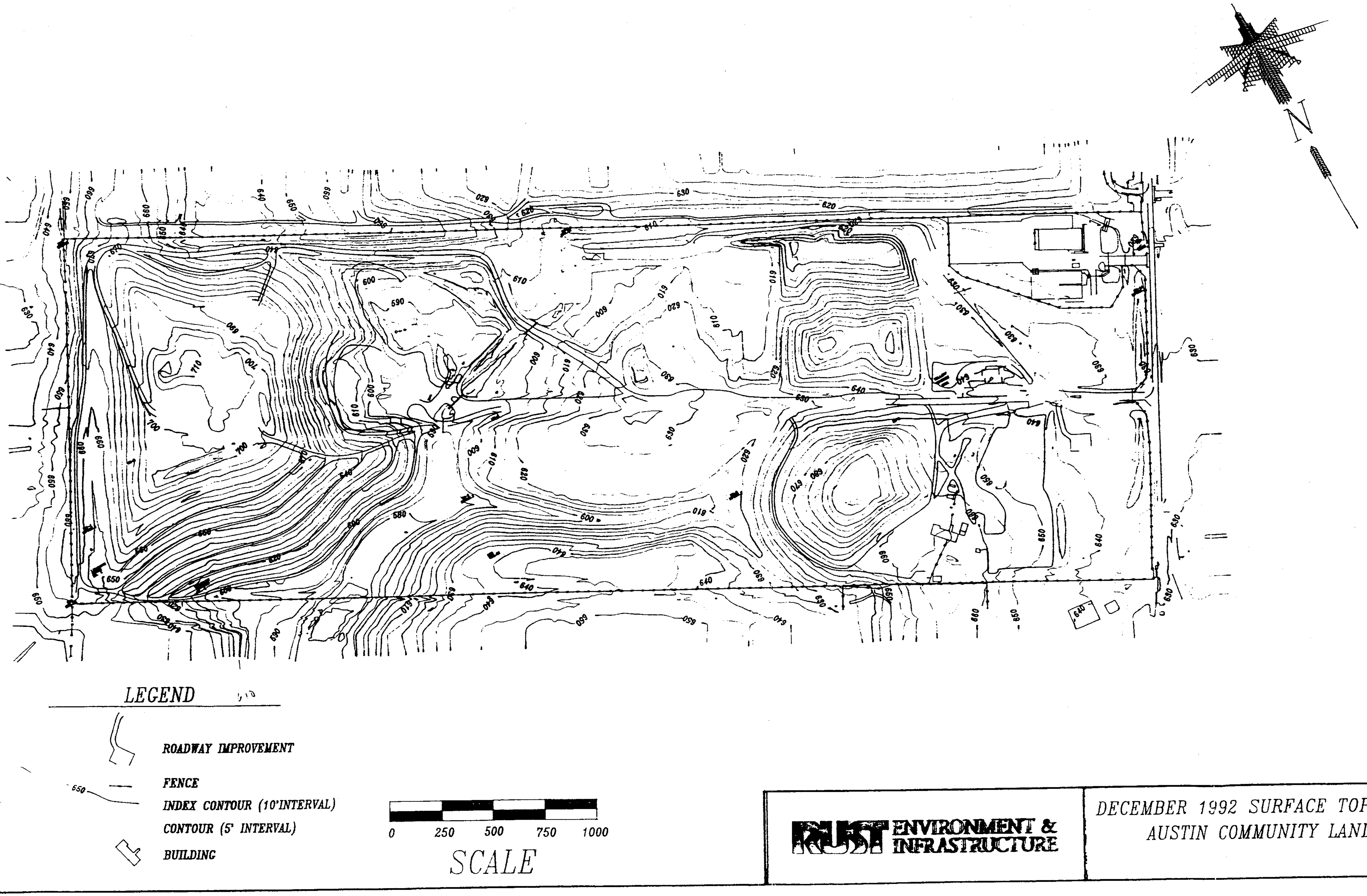
PROJECT: LONGHORN LANDFILL

JOB NO. 5-7580 DATE: 9 July 1980

BORING NO.	DEPTH IN FEET	SAMPLE NO.	TYPE OF MATERIAL	MOISTURE CONTENT %	DRY DENSITY pcf	ATTERBERG LIMITS			Coeficient of Permea-bility (CM/SEC)	LATERAL PRESSURE psi	TYPE FAILURE	OTHERTESTS Percent Passing #200 Sieve
						LL	PL	PI				
C-3	60.0		Grey and tan clay	14.4	112	78	29		$9.9x10^{-8}$			98
C-4	10.0		Tan and grey clay	19.8	102	55	26		$5.4x10^{-8}$			99
	20.0		Blue shaley clay	16.4	---	59	25		$6.5x10^{-8}$			96
C-5	4.0		Dark grey clay	24.7	99	67	27		$5.5x10^{-7}$			84
	20.0		Tan and grey clay	19.6	104	65	27		$8.0x10^{-8}$			98
	50.0		Blue shaley clay	11.3	---	42	20	22	$1.9x10^{-9}$			98
C-6	2.0		Dark grey clay	26.7	99	62	28		$1.1x10^{-7}$			83
	10.0		Tan and orange clay	22.1	102	59	27		$8.8x10^{-8}$			90
	50.0		Blue shaley clay	13.4	---	44	19		$5.4x10^{-9}$			96

APPENDIX E

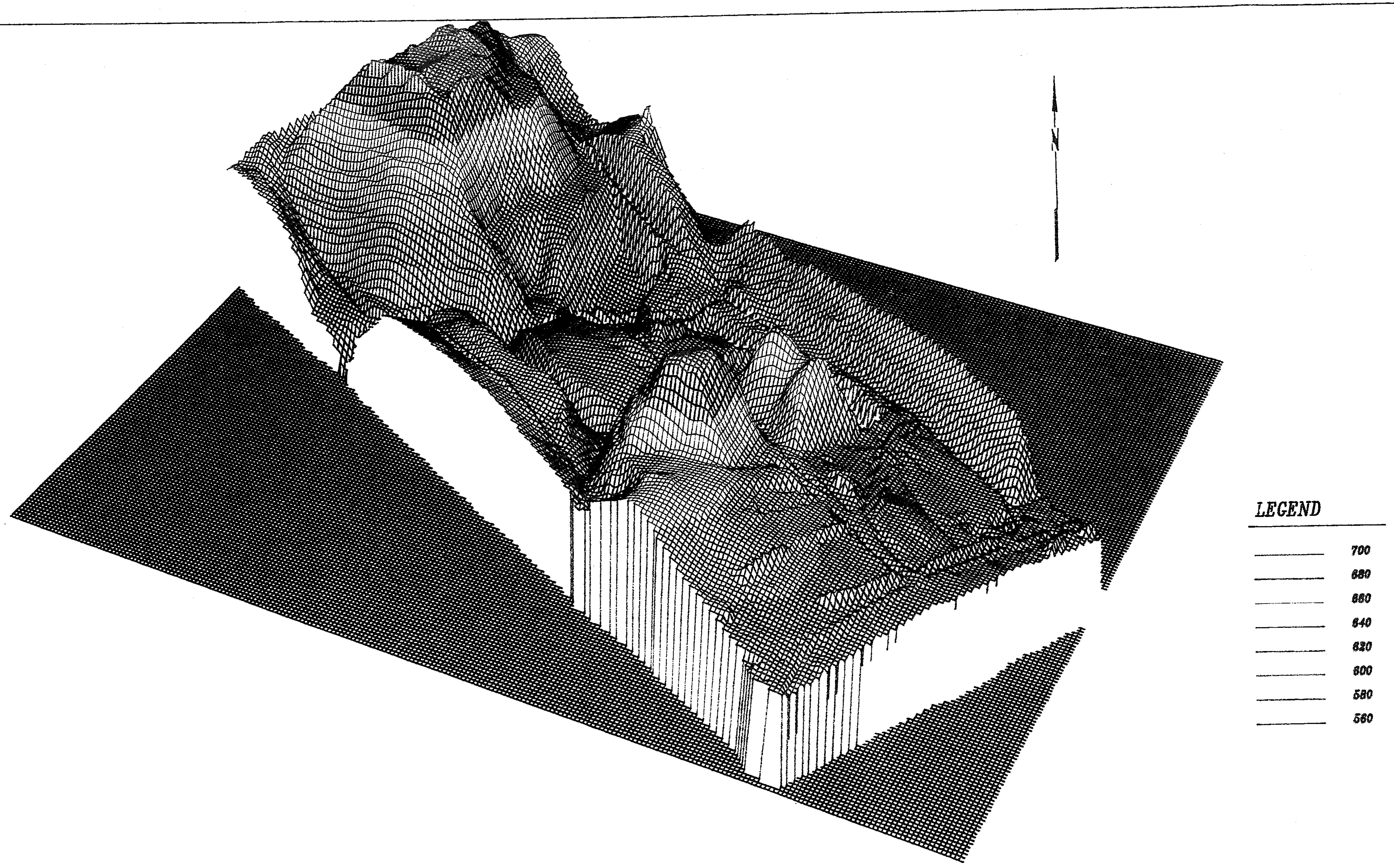
APPENDIX E
SUPPLEMENTAL FIGURES



RUST ENVIRONMENT & INFRASTRUCTURE

DECEMBER 1992 SURFACE TOPOGRAPHY
AUSTIN COMMUNITY LANDFILL

FIGURE E-1

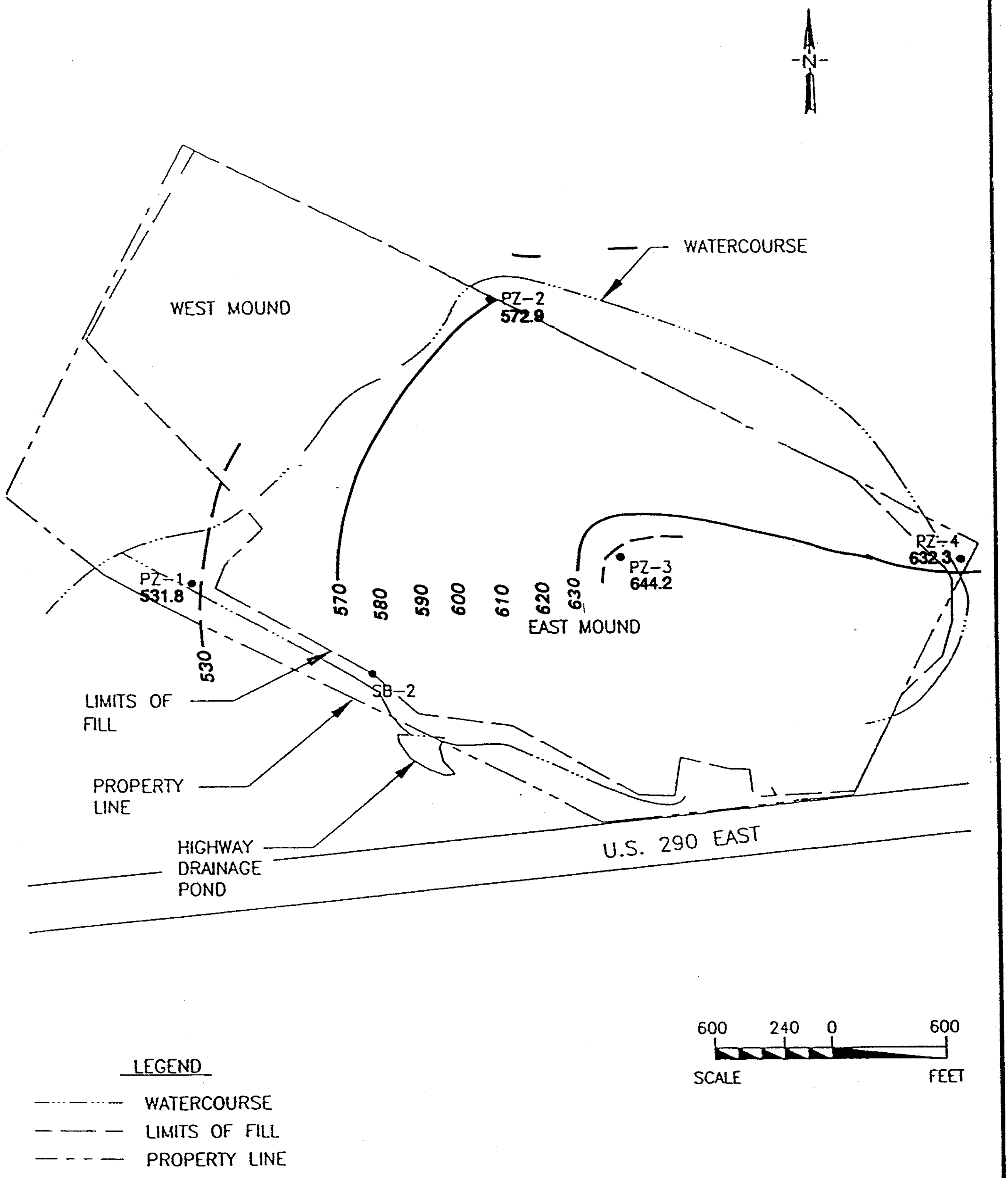


RUST ENVIRONMENT & INFRASTRUCTURE

APRIL 1993 SURFACE TOPOGRAPHY
AUSTIN COMMUNITY LANDFILL

FIGURE E-2

Technically Complete
2287



RUST ENVIRONMENT & INFRASTRUCTURE

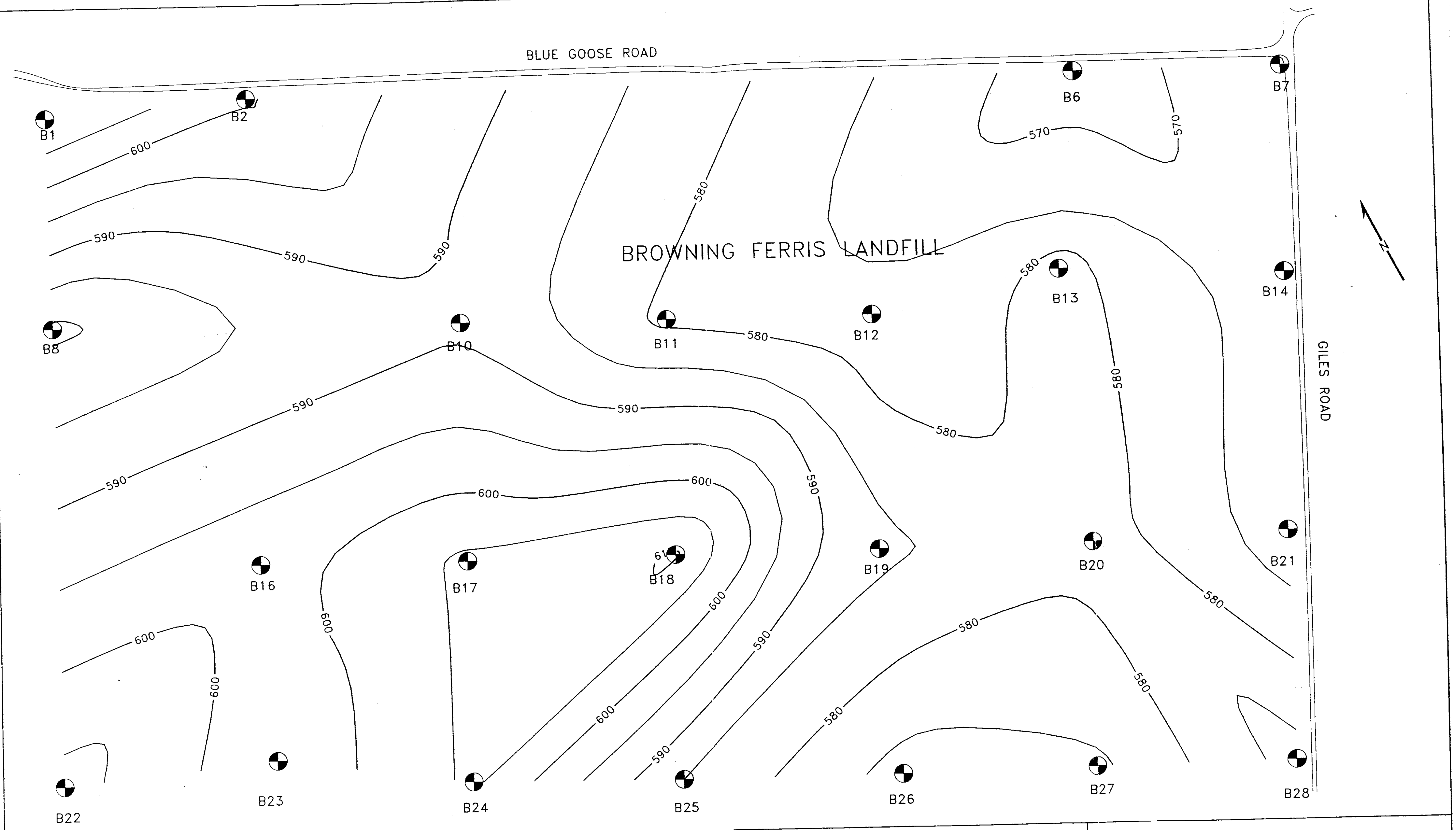
SEPTEMBER, 1993

FIGURE E-3

TRAVIS COUNTY LANDFILL
GROUNDWATER GRADIENT

WATER LEVELS MEASURED 3/17/92

Technically Complete
2288

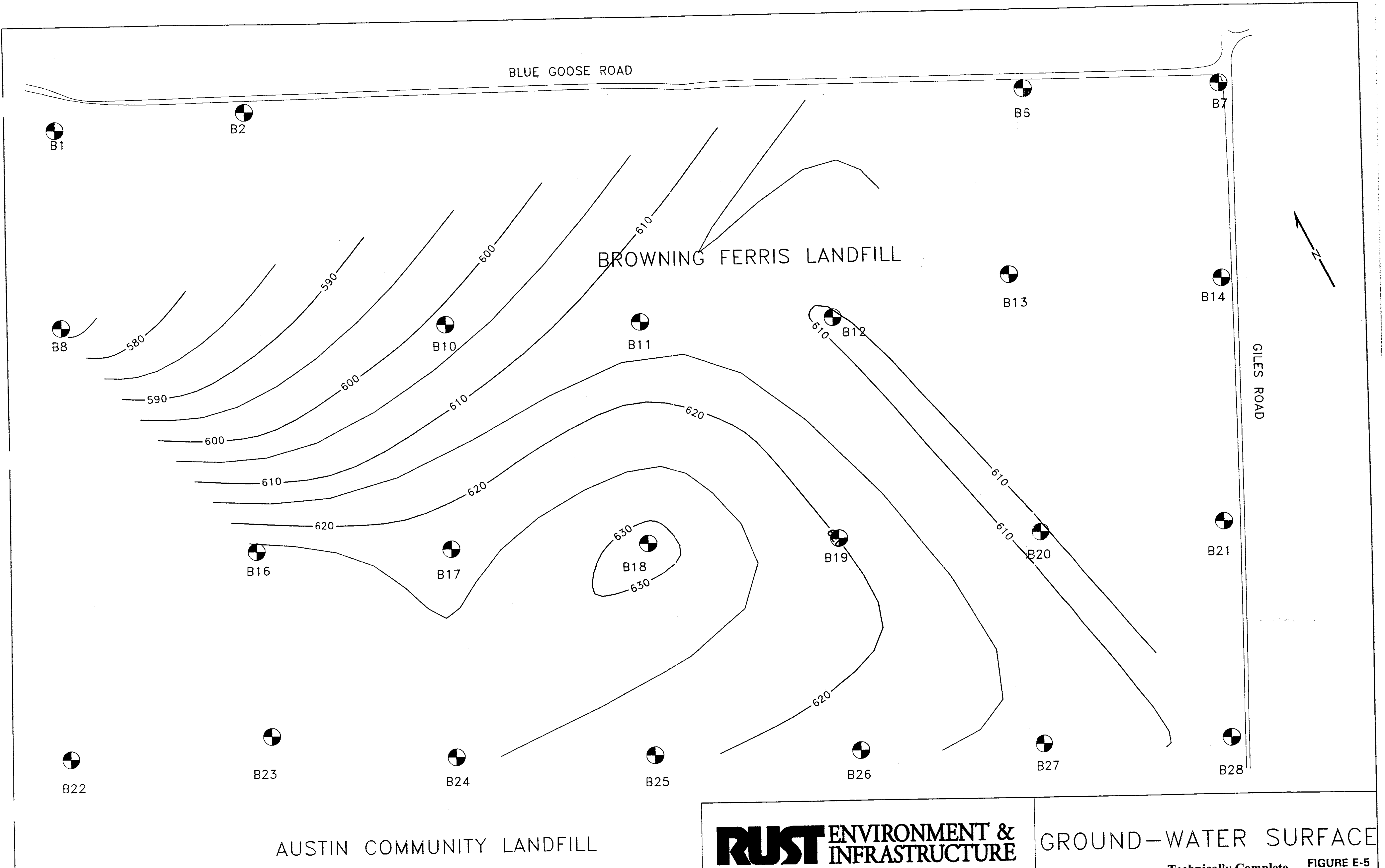


RUST ENVIRONMENT & INFRASTRUCTURE

TOP OF
UNWEATHERED CLAY

FIGURE E-4

Technically Complete
2289

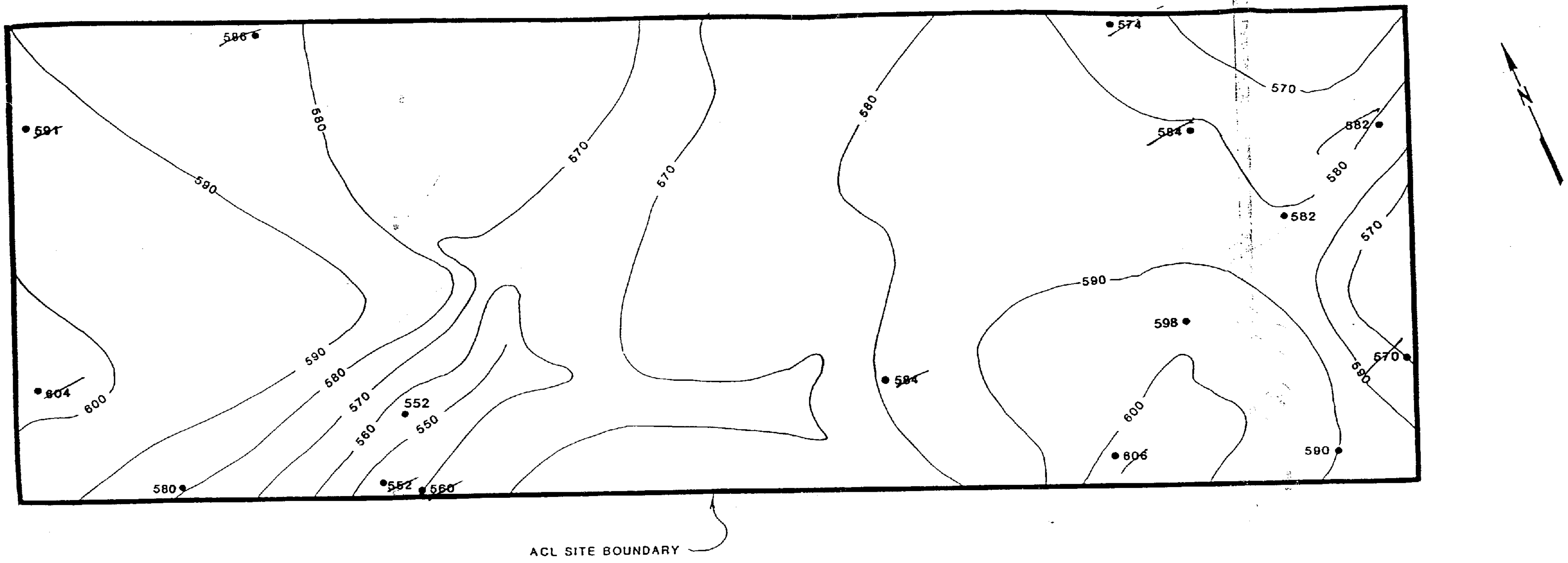


RUST ENVIRONMENT & INFRASTRUCTURE

GROUND-WATER SURFACE

FIGURE E-5

Technically Complete
2290



SCALE-FT
0 400 800

● 586 WEATHERED CLAY/UNWEATHERED CLAYSTONE CONTACT ELEVATION

Replaced with Figure 9b in Illustrations Section

AUSTIN COMMUNITY LANDFILL
HYDROGEOLOGIC STUDY
AUSTIN, TEXAS

WASTE MANAGEMENT
OF NORTH AMERICA, INC.

IRVING, TEXAS

McBride-Ratcliff and Associates, Inc.
Geotechnical Consultants
Houston, Texas

SCALE NOTED	MADE	LLD	DATE	2-2-91	FILE NO. 89-0697
	CHECK	DA	DATE	2-4-91	
STRUCTURE MAP TOP OF UNWEATHERED CLAYSTONE					FIGURE 9

Tech. Complete 2291

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

ACL-8.5.
3/25/94

A Waste Management Company

- FAX TRANSMITTED TO TNRCC ON 3/25/94
- ORIGINAL HAND DELIVERED TO TNRCC BY ED MYERS ON 4/1/94

March 25, 1994

Mr. A. Richard Smith, Director
Ground-Water Protection Program
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P.O. Box 13087, Capitol Station
Austin, Texas 78711-3087

SUBJECT: Solid Waste - Travis County
Austin Community Landfill - MSW Permit No. 249-C
Piezometer Installation

Dear Mr. Smith:

In regards to your letter dated January 18, 1994, regarding acceptance of supplemental hydrogeological information for Austin Community Landfill (ACL), I would like to request, on behalf of ACL, an extension to the deadline established in your letter for installation and completion of new piezometers. Your letter indicated that the "piezometers should be installed and completed ready for water-level measurement by March 31, 1994." Unfortunately, our consultant's project manager, Mr. Emmett Hudson, has been involved with other activities that have delayed initiation of this project. Mr. Hudson did visit ACL this week to stake piezometer locations and has confirmed that drilling will commence (weather permitting) on March 28, 1994. To ensure adequate time for project completion, I am requesting an extension until April 15, 1994, for installation of the piezometers. Even with this extension, our schedule for monitoring of groundwater will allow us to sample piezometers PZ-21 and PZ-22 in conjunction with routine sampling of facility monitoring wells during the second quarter of 1994.

Your consideration of this request is appreciated. Please contact me at telephone number 272-9372 if you have any questions regarding this matter.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier, P.E.
Environmental Engineer

RF/rf (8.5.96)✓

cc: Nick D'Andrea
Slim Williams
Larry Cohn
Emmett Hudson, RUST

(940325-2.wrf)

Technically Complete
2292

RUST ENVIRONMENT & INFRASTRUCTURE

Formerly SEC Donohue

RUST Environment & Infrastructure Inc.
100 Glenborough, Suite 300
Houston, TX 77067
Tel. (713) 875-0004 • FAX (713) 874-8964

May 2, 1994

Ms. Ada Lichaa
Texas Natural ResourceConservation Commission
Municipal Solid Waste Division
P. O. Box 13087
Austin, Texas 78711-3087

RE: Twenty-one Piezometer Installation at Austin Community Landfill
RUST E&I Project No. 88639

Dear Ms. Lichaa:

Per your approval, from our telephone conversation today, RUST Environment and Infrastructure will be sending the boring logs, construction summaries, Monitoring Well data sheets and State of Texas Driller's Board installation report by the end of the week of May 15, 1994 for twenty-one (21) piezometers installed at Waste Management of Texas (WMTX), Austin Community Landfill (ACL), Austin, Texas. The last piezometer was installed on April 29, 1994.

I am enclosing the hand-written field logs. The piezometers will be developed this week and surveyed the following week, weather permitting. Due to the large number of wells, installation of the system has taken longer than 30 days; the final logs will be sent to the TNRCC by the end of the week of May 15, 1994.

Thank you.

Regards,

Emmett C. Hudson

Emmett C. Hudson, C.P.G.

ECH/jac

Technically Complete
2293

Quality through teamwork

I:\geo\88639ltr.001

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

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RECEIVED
AUG 10 94

1994 AUG -9

August 9, 1994

Ronald L. Bond, P.E., Director
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P.O. Box 13087
Austin, TX 78711-3087

SUBJECT: Solid Waste - Travis County
Austin Community Landfill - MSW Permit No. 249-C
Subtitle D Deliverable Deadlines/Ground Water Monitoring Requirements

Dear Mr. Bond:

On behalf of Waste Management of Texas, Inc. (WMTX), this letter serves to confirm our understanding of deadlines for submittals required to ensure compliance with new Texas Natural Resource Conservation Commission (TNRCC) and federal Subtitle D ground water monitoring requirements at the subject site. This letter also serves to transmit to the TNRCC the enclosed Ground Water Sampling and Analysis Plan (GWSAP) for the site. RUST Environment & Infrastructure (RUST) is in the process of completing hydrogeologic/geotechnical investigations at the site to obtain data necessary to refine the site conceptual model and address other groundwater monitoring requirements.

The current ground water monitoring system has a total of six monitoring wells. Two wells are located on the northwest side of the site and two wells are located on the southeast side of the site. The remaining two wells are located in the central portion of the site. The six wells monitor two flow regimes known as Zone 1 and Zone 2 which are located on the west and east sides of the site respectively. During 1992 and 1993, a "Comprehensive Hydrogeologic Assessment" report was prepared by McBride-Ratcliff and Associates (1992) and revised by RUST (1993). As a result of the assessment, twenty-one new piezometers were installed in the spring of 1994. These new piezometers are being used to refine the site conceptual model with respect to geologic units and ground water flow at the site. Eleven of the piezometers were installed to well specifications for conversion to monitoring wells if, based on the refined conceptual model, they are determined to be in the appropriate location.

RUST is in the process of constructing two new cross-sections (one north to south and one east to west) to enhance our understanding of the site geology. Also, we are collecting water levels from the appropriate observation points on-site for the next several months. Later this year we will create two potentiometric maps. The cross-sections and potentiometric surface maps will be used to verify appropriate modifications to the existing ground water monitoring system for the site. These results will be discussed with the TNRCC, a letter of certification for a system design and a Class I permit modification request will be submitted, and subsequently a letter of certification for installation of the system will be submitted.

It is our understanding that a schedule for complying with ground water monitoring requirements set forth under 30 TAC 330.230-231 and 330.233-235 should be submitted. Our estimated schedule is as follows:

1) Three copies of a site-specific GWSAP in accordance with 30 TAC 330.233 are submitted with this letter. It is requested that this GWSAP be approved as a Class I permit modification for the subject site.

2) A completed report presenting the results of the recent hydrogeologic/geotechnical investigations of the site, including monitoring well locations, depths, and screened intervals will be submitted in January 1995;

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2294

3) In conjunction with the monitoring system design report mentioned in item no. 2, a letter of certification, signed by a qualified ground water scientist, stating that the proposed ground water monitoring network, as designed, will meet the requirements of 30 TAC 330.231 will be submitted in January, 1995.

4) Upon TNRCC approval of the proposed monitoring system and letter of certification, a Class I permit modification request for installation of the approved monitoring well network will be submitted in January 1995.

5) A letter of certification, signed by a qualified ground water scientist, stating that the ground water monitoring network, as installed, meets the requirements of 30 TAC 330.231 will be submitted in March 1995. Monitoring well installation details and corresponding boring logs will also be submitted along with the final certification letter.

With the enclosed submittals in place and the above schedule, it is our understanding that the new monitoring wells do not have to be installed prior to October 9, 1994. We look forward to any comments that you may have on the submitted GWSAP or the submittal schedule for materials relating to the site groundwater monitoring system. Please contact Rusty Fusilier at telephone number (512) 272-9372 in Austin if you have any questions regarding this letter or its enclosures.

Sincerely,
Waste Management of Texas, Inc.

Nick D'Andrea
Division President and General Manager

ND/RF/gs (4.1.2)
Enclosures

cc w/enclosure: Emmett Hudson, RUST
Slim Williams (OR-4.1.2)

cc w/o enclosure: Harry Morris, RUST
Mike Ray, RUST
Marty Sara, RUST
Neil Mohr

(wp60\rusty\940808-2.wrf)

MSW 249

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

A Waste Management Company

RECEIVED
MAR 22 95
TNRCC
CENTRAL RECORDS

March 13, 1995

Ms. Ada Lichas, Team Leader
Groundwater Monitoring Team
Compliance and Enforcement Section
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P.O. Box 13087
Austin, Texas 78711-3087

SUBJECT: Municipal Solid Waste - Travis County
Austin Community Landfill - MSW Permit No. 249-C
Groundwater Monitoring System Design

Dear Ms. Lichas:

On behalf of Waste Management of Texas, Inc., I am writing in followup to our letter dated August 9, 1994, to advise you of the status of efforts to provide a groundwater monitoring system design for the subject facility. In the August 9th letter, we indicated that a "completed report presenting the results of the recent hydrogeologic/geotechnical investigations of the site, including monitoring well locations, depths, and screened intervals, will be submitted in January 1995." As you are aware, this report has not yet been completed and submitted to the Texas Natural Resource Conservation Commission (TNRCC). Finalization of the report has been delayed by continued compilation of groundwater elevation data which is necessary to assess seasonal variation in site groundwater conditions that might impact the groundwater monitoring system design.

Based on my telephone conversation with RUST Environment & Infrastructure (RUST) personnel last week, a draft groundwater monitoring system design report should be provided to me this week. In addition, a draft revised Groundwater Sampling and Analysis Plan (GWSAP), which addresses comments in the TNRCC letter dated February 7, 1995, should also be provided this week. After my review of and comment on these *materials*, RUST will finalize them for submittal. I currently anticipate submittal of the report and GWSAP to the TNRCC by March 31, 1995.

As required by 30 TAC 330.113(c) of TNRCC rules, please be advised that this letter has been placed in the operating record for the subject facility in accordance with the requirements of 30 TAC 330.113(b).

I apologize for the delay in providing this updated schedule for submittal of the groundwater monitoring system design report. Please contact me at telephone number (512) 272-9372 in Austin if you have any comments or questions regarding this matter.

1995 MAR 16 PM 5:33
SO[illegible] WASTE MGM

Sincerely,
Waste Management of Texas, Inc.

Rusty Fadler

Rusty Fadler, P.E.
Environmental Engineer

RF/rf (4.1.2)

cc: Gary Higgs
Slim Williams (OR-4.1.2)
Neil Mohr
Mike Ray, RUST

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2296

3/17/95

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
12/272-8262
2/272-9370 Fax

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1995 MAR 17 PM 3: 49
SOLID WASTE MGMT.

March 17, 1995

Ms. Ada Lichaa, Team Leader
Groundwater Monitoring Team
Compliance and Enforcement Section
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P.O. Box 13087
Austin, Texas 78711-3087

SUBJECT: Municipal Solid Waste - Travis County
Austin Community Landfill - MSW Permit No. 249-C
Piezometer Installation Report

Dear Ms. Lichaa:

On behalf of Waste Management of Texas, Inc., enclosed is a report on the installation of twenty-one (21) piezometers at the subject facility. Installation of these piezometers was proposed in a report entitled "Response to Texas Natural Resource Conservation Commission Comments on 'Comprehensive Hydrogeologic Assessment, McBride-Ratcliff and Associates, Inc.,' (November 1993)" which was submitted under a cover letter dated January 11, 1994. Piezometer installation was approved in a letter from the Texas Natural Resource Conservation Commssion (TNRCC) dated January 18, 1994. Installation of the piezometers was completed by April 29, 1994. The enclosed report documents "as-built" conditions for each piezometer by providing a brief narrative, a piezometer location map, and piezometer installation information, including a borehole log and construction summary.

As required by 30 TAC 330.113(c) of TNRCC rules, please be advised that this letter has been placed in the operating record for the subject facility in accordance with the requirements of 30 TAC 330.113(b).

I apologize for the delay in submittal of this report. Please contact me at telephone number (512) 272-9372 in Austin if you have any comments or questions regarding the enclosed information.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier

Rusty Fusilier, P.E.
Environmental Engineer

RF/rf (8.5.93) ✓
Enclosure

cc w/enclosure: Gary Higgs
Slim Williams (OR-8.5.93)

cc w/o enclosure: Neil Mohr
Emmett Hudson, RUST

Technically Complete
2297

(wp60\rusty\950317-3.wrd)

Printed on recycled paper ♻

PIEZOMETER INSTALLATION REPORT
AUSTIN COMMUNITY LANDFILL
AUSTIN, TEXAS

Permit No. 249
Travis County, Texas

Prepared For:
WASTE MANAGEMENT of TEXAS

Prepared By:
RUST ENVIRONMENT & INFRASTRUCTURE
100 Glenborough Dr., Suite 300
Houston, Texas 77067

RUST E & I PROJECT NO. 88639.100

July 20, 1994

QUALITY
◆
INTEGRITY
◆
CREATIVITY
◆
RESPONSIVENESS

RUST ENVIRONMENT & INFRASTRUCTURE

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2298

RUST ENVIRONMENT & INFRASTRUCTURE

Formerly SEC Donohue

RUST Environment & Infrastructure Inc.
100 Glenborough, Suite 300
Houston, TX 77067
Tel. (713) 875-0004 • FAX (713) 874-8964

July 20, 1994

Mr. Rusty Fusilier, P.E.
Waste Management of Texas
P.O. Box 14644
Austin, Texas 78754

RE: Piezometer Installation Report
Austin Community Landfill
Austin, Texas
RUST Environment & Infrastructure No. 88639.100

Dear Rusty:

The installation of twenty-one (21) piezometers was conducted at Waste Management of Texas, Inc., Austin Community Landfill March 29, 1994 through May 12, 1994. The site is located at 9708 Giles Road, Austin, Texas 78754. The piezometers were installed after being approved by the Texas Natural Resource Conservation Commission (TNRCC) in a letter to Waste Management dated January 18, 1994. The piezometers were originally recommended to address deficiencies in the hydrogeologic assessment of the site contained in a letter from the TNRCC to Waste Management dated March 18, 1993. Texas licensed well drillers of Jack H. Holt & Associates, Inc. (License No. 3023M) performed the drilling, installation and development of the piezometers. A RUST Environment & Infrastructure (RUST E&I) hydrogeologist/Certified Professional Geologist (C.P.G.) provided the design and oversight of the installations as well as the logging of the boreholes and the construction summaries.

The piezometers were installed and developed in accordance with TNRCC specifications and guidance, the Texas Water Well Drillers Board, the American Society for Testing and Materials (ASTM, D5092), and the Waste Management Site Assessment Manual, Appendix A. The total depth of each well and screened interval were specified on site by the RUST E&I hydrogeologist in accordance with the recommendations for monitoring well specifications presented in the "Response to Texas Natural Resource Conservation Commission Comments 'Comprehensive Hydrogeologic Assessment', McBride Ratcliff and Associates, Inc." prepared by RUST Environment & Infrastructure, November, 1994. The drill rig employed was a CME-55 using dry hollow-stem auger (HSA) methods. Piezometers which may become future ground-water monitoring wells (PZ-15, PZ-16, PZ-17, PZ-18, PZ-20, PZ-21, PZ-22, PZ-23, PZ-24, PZ-25 and PZ-26) were drilled with 9.63-inch O.D. hollow-stem augers. Piezometers which were not considered as potential monitoring wells were drilled with 6.63-inch O.D. HSAs. Dry drilling methods were employed with continuous sampling using a five-foot, core-barrel sampling system. The soil core samples were identified and described visually in the field using the ASTM D2488 classification system. This information was recorded on the Soil Borehole Logs for each boring.

The piezometers were constructed of Johnson™, two-inch, PVC flush-thread riser and .010-inch, factory-slotted PVC well screens. Filter sand (20-40 grade) was placed into the annulus to two feet above the slotted interval. A three foot bentonite seal was placed above the filter pack and allowed to hydrate with the addition of distilled water. The remaining annular space was filled with a Portland Type I cement-bentonite grout to within two feet of the ground surface. Confirmation of depths of the well materials was accomplished with a weighted fiberglass tape. The augers were thoroughly decontaminated by steam cleaning immediately prior to the drilling of each borehole.

Concrete pads were constructed after the completion of piezometer installation. For the piezometers completed as monitoring wells (PZ-15, PZ-16, PZ-17, PZ-18, PZ-20, PZ-21,PZ-22, PZ-23, PZ-24, PZ-25 and PZ-26) pads were constructed six-inches thick and six-feet square at the base of the riser with reinforced steel. Five foot by four-inch diameter anodized aluminum locking well covers were placed over the riser approximately two feet into the cement. Piezometer construction details are shown in the Monitoring Well Construction Summary for each installation.

Piezometer development was accomplished by surging and over-pumping until pH, specific conductivity and temperature readings of the pumped ground water had stabilized. Piezometers PZ-15, PZ-16, PZ-17, PZ-18, PZ-20, PZ-21, PZ-22, PZ-23, PZ-24, PZ-25 and PZ-26 were developed with a Grundfos™ electric submersible pump. Piezometers PZ-6, PZ-7, PZ-8, PZ-9, PZ-10, PZ-11, PZ-12, PZ-13, PZ-14, and PZ-19 were developed using a Brainard-Kilman™ manual pump. Piezometers PZ-8, PZ-9, PZ-12 and PZ-19 were developed May 5, 1994. Piezometer PZ-22 was developed May 25, 1994. Piezometer PZ-21 was developed May 27, 1994. The remaining piezometers were developed May 10, and May 11, 1994.

Details of the piezometer development are found in the Monitoring Well Construction Summary logs. Piezometers PZ-7, PZ-11, PZ-14 and PZ-19 were screened in the unweathered zone to further characterize ground water conditions in this zone. The remaining piezometers were screened immediately above this zone in the weathered material. The cores and cuttings from the majority of the boreholes were dry with the following exceptions: PZ-25 and PZ-26 had saturated material at nine and ten feet, respectively, below ground surface; moist conditions were noted in PZ-10 at 32.5 feet, PZ-15 at 39.3 feet, PZ-16 at 30.0 feet, and PZ-24 at 40.0 feet. Droplets and trace amounts of water only where noted confined to the fractures containing selenite crystals in PZ-12 at 40.0-60.0 feet and PZ-22 at 35.0-43.5 feet. Rainfall amounts were two inches below average for the months during the drilling operations.

Technically Complete
2300

Piezometers PZ-6, PZ-9, PZ-11, PZ-12, PZ-13, PZ-14, PZ-15, PZ-16, PZ-17, PZ-18, PZ-19, PZ-20, PZ-21, PZ-23 and PZ-24 were dry during and immediately after drilling and installation. Depth to water measurements conducted May 12, 1994, indicated all of the above piezometers had produced water except for PZ-11, PZ-16 and PZ-20. Piezometer PZ-16 was measured as having approximately 20 feet of water two months later. PZ-20 was measured as having approximately 4 feet of water at this time. Piezometer PZ-11 remained dry.

Each piezometer was surveyed by Rust E & I certified surveyor to determine locations, ground surface elevations, pad elevations, top of PVC casing elevations and the elevations of the metal protective cover.

Details of the soil borehole logs, piezometer construction summaries and the drillers well reports and logs are attached. The original copies of the drillers well reports have been sent to the Texas Water Well Drillers Board. Attached are the RUST E&I soil borehole and piezometer construction summaries, the TNRCC Monitoring Well Data sheets for those piezometers completed as monitoring wells, and the piezometer location map.

Regards,

Emmett Hudson

Emmett Hudson, C.P.G.

EH/jc

I:\geo\project\88639ltr.002

Technically Complete
2301

ACL
4/1

RUST LICHLITER/JAMESON

Environment & Infrastructure
Consulting Engineers, Scientists and Planners

811 Barton Springs Road, Suite 400
Austin, TX 78704-1164
Tel. (512) 474-5500
FAX (512) 474-6325

April 12,1995

Mr. Rusty Fusilier, P.E.
Waste Management of Texas
Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761

Re: Piezometer Decommissions/ACL, Rust E&I project 67887.100

Dear Rusty:

A Rust Environment and Infrastructure Inc. (Rust), Certified Professional Geologist (CPG), and the drilling team of Jack Holt and Associates, Inc. (Texas License 3023M), Austin, Texas, met at WMX-Austin Community Landfill, Austin, Texas, March 24, 1995. The objective was to decommission two piezometers.

Piezometers PZ-8 and PZ-9 were decommissioned according to the State of Texas Water Well Drillers Board, the Texas Natural Resource Conservation Commission (TNRCC) guidelines/regulations, and Waste Management of North America (WMNA) guidelines found in the WMNA Site Assessment Manual. The overdrill and grout backfill method was utilized in the decommissioning of the piezometers as follows:

> The surface pads were removed from the piezometers. The entire length of the piezometers were re-augured with clean 6.25 inch diameter augers. The 2-inch PVC casing and screen were removed from the re-augured boreholes. A neat cement slurry (5 gallon water per 94 pound bag of cement) was mixed and tremied via a 1-inch I.D. PVC pipe from the bottom up. Slow low pressure pumping continued until all formation water and the watery slurry mix was displaced from the top of the borehole. The tremi-pipe was slowly withdrawn with the tremi-pipe remaining below the pure slurry at all times. The augers were removed in 5-foot flights with the cement slurry being topped off after each flight was removed.

Please find attached copies of the drillers well plugging report submitted to the TNRCC.

Regards,

Emmett Hudson

Emmett Hudson, C.P.G.

cc w/attachments: Slim Williams (OR-8.5)

EH4-12.1

Technically Complete
2302

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas - ACL (Name) Address 9708 Giles Road, (Street or RFD) Austin, (City) Tx (State) 78754 (Zip)

2) Owner's Well Number PZ 8

3) Location of Well: County Travis miles in ______ (N.E., S.W., etc.) direction from ______ (Town)
Austin Community Landfill

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Austin Community Landfill - 9708 Giles Road, Austin, Tx

Section No. ______ Block No. ______ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

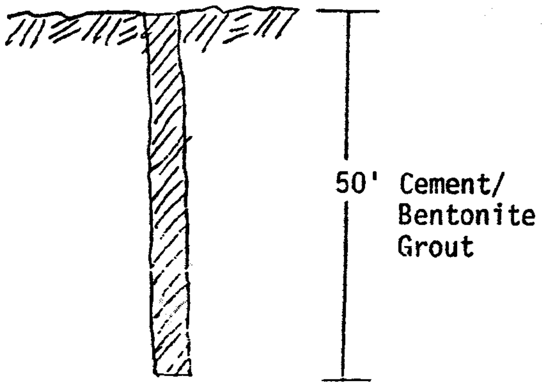
4) Driller John Webb License Number 3023M City Austin

5) Drilled 4-8 1994; 6) Diameter of hole 6-5/8 inches; 7) Total depth of well 50 feet.

C. Current Plugging Data

8) Date well plugged 3-24, 19 95.

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.



10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
	NONE	

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	50	6

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates Inc. (Type or print)

Address 2220 Barton Skyway, (Street or RFD) Austin, (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2303

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas - ACL (Name) Address 9708 Giles Road, (Street or RFD) Austin, (City) Tx (State) 78754 (Zip)

2) Owner's Well Number PZ 9

3) Location of Well: County Travis ______ miles in ______ (N.E., S.W., etc.) direction from ______ (Town)
Austin Community Landfill

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Austin Community Landfill - 9708 Giles Road, Austin, Tx

Section No. ______ Block No. ______ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

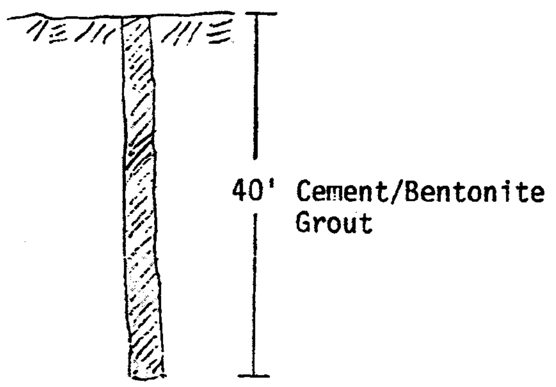
4) Driller John Webb License Number 3023M City Austin

5) Drilled 3-29 1994; 6) Diameter of hole 8-5/8 inches; 7) Total depth of well 40 feet.

C. Current Plugging Data

8) Date well plugged 3-24, 1995.

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.



10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
	NONE	

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	40	5

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates Inc. (Type or print)

Address 2220 Barton Skyway, (Street or RFD) Austin, (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2304

MSW249

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

A Waste Management Company

1995 APR 13 PM 5 18
SOLID WASTE HIGH

April 13, 1995

Ms. Ada Lichaa, Team Leader
Groundwater Monitoring Team
Compliance and Enforcement Section
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P.O. Box 13087
Austin, Texas 78711-3087

SUBJECT: Municipal Solid Waste - Travis County
Austin Community Landfill - MSW Permit No. 249-C
Groundwater Monitoring System Design

Dear Ms. Lichaa:

On behalf of Waste Management of Texas, Inc., I am writing to advise you that, based on my telephone conversation with RUST Environment & Infrastructure (RUST) personnel this week, submittal of a Groundwater Monitoring System Design Report and a revised Groundwater Sampling and Analysis Plan (GWSAP) to the Texas Natural Resource Conservation Commission (TNRCC) will be further delayed. Our letter dated March 13, 1995, indicated that the report and GWSAP would be submitted by March 31, 1995; however, as a result of scheduling conflicts which RUST has, the report and GWSAP will now be submitted to the TNRCC by May 1, 1995.

As required by 30 TAC 330.113(c) of TNRCC rules, please be advised that this letter has been placed in the operating record for the subject facility in accordance with the requirements of 30 TAC 330.113(b).

I apologize for the delay in our submittal of the Groundwater Monitoring System Design Report and GWSAP. Please contact me at telephone number (512) 272-9372 in Austin if you have any comments or questions regarding this matter.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier

Rusty Fusilier, P.E.
Environmental Engineer

RECEIVED
APR 17 95
TNRCC
CENTRAL RECORDS

RF/gs (4.1.2)

cc: Gary Higgs
Slim Williams (OR-4.1.2)
Neil Mohr
Mike Ray, RUST
Emmett Hudson, RUST

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2305

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Waste Management of Texas, Inc.

MSW
#249-C

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

A Waste Management Company

May 1, 1995

RECEIVED
MAY -3 95
CENTRAL RECORDS

Ms. Ada Lichaa, Team Leader
Groundwater Monitoring Team
Compliance and Enforcement Section
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P.O. Box 13087
Austin, Texas 78711-3087

SUBJECT: Municipal Solid Waste - Travis County
Austin Community Landfill - MSW Permit No. 249-C
Groundwater Monitoring System Design Report

Dear Ms. Lichaa:

On behalf of Waste Management of Texas, Inc. (WMTX), enclosed are three copies of a Groundwater Monitoring System Design Report for Austin Community Landfill, which was prepared by RUST Environment & Infrastructure (RUST). This report (including certification) is provided in accordance with the requirements of 30 TAC 330.231(e) and with the revised schedule provided in my letter dated April 13, 1995.

As required by 30 TAC 330.113(c) of Texas Natural Resource Conservation Commission (TNRCC) rules, this letter also serves to notify you that the enclosed information has been placed in the operating record for the subject landfill in accordance with 30 TAC 330.113(b) of TNRCC rules. Also, please be advised that a copy of the recently revised Groundwater Sampling and Analysis Plan, which was submitted directly to the TNRCC by RUST, has been placed in the landfill operating record.

Your consideration of the proposed monitoring system design in this report as a Class I modification under the rules of 30 TAC 305.70 is appreciated. Please contact Rusty Fusilier at telephone number (512) 272-8372 in Austin if you have any questions regarding this letter or its enclosure.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier

Rusty Fusilier, P.E.
Environmental Engineer

RF/rf (4.1.2)
Enclosures

1995 MAY -1 PM 4:28
SOLID WASTE [illegible]

cc w/enclosure: Slim Williams (OR-4.1.2)
Emmett Hudson, RUST

cc w/o enclosures: Gary Higgs
Neil Mohr
Teresa Johnson, RUST
Mike Ray, RUST

[illegible]

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a Division of Waste Management of Texas, Inc

Technically Complete
2306

RUST ENVIRONMENT & INFRASTRUCTURE

RUST Environment & Infrastructure Inc.
1240 East Diehl Road
Naperville, IL 60563
Tel. (708) 955-6600 • FAX (708) 955-6601

April 27, 1995

1995 MAY -1 PM 4:25
SOLID WASTE MGT

Mr. Ronald Bond, P.E., Director
Texas Natural Resources Conservation
Commission
Municipal Solid Waste Division
P. O. Box 13087, Capitol Station
Austin, TX 78711-3087

RE: Solid Waste - Travis County, Austin Community Landfill - MSW Permit No. 249-C
Ground Water Monitoring System Design Certification

Dear Mr. Bond:

A review of the adequacy of the Ground Water Monitoring System at the referenced site has been completed. The review consisted of an evaluation of the geologic/hydrogeologic conditions at the site as well as the requirements set forth in 30 Texas Administrative Code, Chapter 330, Subchapter I, Section 330.231, Ground Water Monitoring Systems. The plan for the monitoring system and all supporting data has been submitted to the Texas Natural Resources Conservation Commission (TNRCC).

Based on a review of the site's hydrogeologic characteristics, the Ground Water Monitoring System design, as proposed in the Class I Permit Modification, dated May 1, 1995, for Austin Community Landfill, satisfies all the requirements set forth in Section 330.231 and will provide appropriate detection ground water monitoring of the facility.

H. Morris for Martin Sara
Signature

RECEIVED
MAY -3 95
CENTRAL RECORDS

Martin Sara, Principal Hydrogeologist
RUST Environment & Infrastructure
Name and Title

4-27-95
Date

[illegible]

Quality through teamwork

Technically Complete
2307

Ground Water Monitoring System Design Report
for
Austin Community Landfill
MSW Permit No. 249-C
Austin, Texas

Prepared for:

Waste Management of Texas, Inc.
9708 Giles Road
Austin, Texas 78754

Prepared By:

RUST Environment & Infrastructure
1240 East Diehl Road
Naperville, Illinois 60563

Technically Complete
2308

April, 1995

Introduction

This report presents a discussion on the site geology, hydrogeology, closed industrial waste disposal area and the current ground water monitoring program at the Austin Community Landfill, along with recommendations for a proposed ground water monitoring system. This report addresses several recommendations made by Emmett Hudson of RUST-Houston in response to the TNRCC's comments on the Comprehensive Hydrogeological Assessment. Of the recommendations made, the following are addressed in this report: replacement ground water monitoring wells, new piezometers, new ground water monitoring wells, monthly ground water elevations, new site cross sections, and new site potentiometric surface maps. Since waste disposal activities are currently restricted to the original 216-acre landfill site, this report only addresses that portion of the permitted site. A section below (titled *Future Ground Water Monitoring System*) provides the schedule for certifying the ground water monitoring system for the 74-acre expansion site.

Geology

The geology at the site consists of claystones and marls of the Taylor Group (Cretaceous System). This Group is comprised of the Sprinkle, Pecan Gap Chalk, and the Bergstrom members. The units dip in a southeastern direction across the site and strike from northeast to southeast.

The Sprinkle member, which is the youngest of the members, is a bluish-gray montmorillonite claystone. The weathered Sprinkle member is tan, highly plastic, and contains abundant omni-directional slickensides. The unweathered Sprinkle contains occasional fractures, some of which contain gypsum.

The Pecan Gap Chalk member is a chalk which grades upward into a chalky marl. The Pecan Gap Chalk is less plastic and more competent: therefore, the regional joint sets are preserved. The joints are oriented north to south and northeast to southwest.

The Bergstrom member is typically characterized as a clay unit. The Bergstrom has been identified at the site as a plastic tan residual clay unit.

Hydrogeology

The hydrogeological conceptual model at the site consists of two strata, an unweathered claystone and a weathered clay. As recommended by Emmett Hudson of RUST-Houston in response to the TNRCC's comments on the Comprehensive Hydrogeological Assessment, two new cross sections were constructed across the site to better define the hydrogeologic conditions at the site. Figure 1 shows the location of these two cross sections. Figures 2 and 3 are of Cross Section A-A' and B-B', respectively. These show a general northeast-southwest and southeast-northwest conceptual view of the site's hydrogeology. Both units are described below.

Unweathered Claystone

The unweathered claystone is the basal unit at the site. Laboratory tests done on samples taken by McBride Ratcliff and Associates, Inc. in 1990 yielded results that typically define this stratum as not being saturated. Other test results revealed that the unit has a hydraulic conductivity value on the order of 1E-9 cm/sec. Because of these results, the unweathered claystone is not considered a hydrogeologic unit of concern to be monitored.

Weathered Clay

The weathered clay stratum is the surficial unit at the site and ground water has been identified in this unit. Secondary porosity features such as fractures and slickensided planes allow this unit to act as a transmissive unit. Hydraulic conductivity values of 1E-3 to 1E-6 cm/sec have been identified for this unit. Higher hydraulic conductivity values are probably a result of a higher density of secondary porosity features.

As recommended by Emmett Hudson of RUST-Houston in response to the TNRCC's comments on the Comprehensive Hydrogeological Assessment, in order to evaluate the ground water conditions at the site, several new piezometers were installed in the Spring of 1994 at the site and a monthly ground water level measurement program was initiated. Ground water level measurements were taken from May, 1994 to February, 1995 from 21 piezometers. Table 1 shows the results of these sampling events. The monthly levels were analyzed to observe the ground water conditions at the site and to note any seasonal variations in the levels. As can be seen from Table 1, it appears that some of the ground water levels have not yet reached (or are just now reaching) equilibrium. This is due to the fact that the water levels in some wells have shown a continual increase over the 10 month monitoring period. This could be the result of the wells being located in zones of lower hydraulic conductivity or it could be due to excess rainfall at the site. If the water levels have not reached equilibrium, the ground water elevations are not truly representative of the potentiometric surface at the site. Because of this, the results from the latest sampling event (2-3-95), which will best represent the potentiometric surface, were used to generate the potentiometric map for the weathered clay. It can be noted that all of the wells still showing rising water levels are located in the southeastern portion of the site where a potentiometric high exists (discussed later) and that rising water levels at that location will not change the direction of ground water flow. Several piezometers were not used when generating the potentiometric map because they are screened in the unweathered claystone and are not considered part of the monitoring system for the weathered clay.

Figure 4 shows the potentiometric surface in the weathered clay unit for the sampling event taken February 3, 1995. The development of two potentiometric surface maps was recommended by Emmett Hudson of RUST-Houston in response to the TNRCC's comments on the Comprehensive Hydrogeological Assessment, however, based on the results of the analysis of the data and the fact that some water levels were continuing to rise, only one potentiometric surface map, from the latest sampling event, was developed. As can be seen from Figure 4, two potentiometric highs exist at the site, one in the northwest portion of the site and one in the southeast portion of the site. Flow is generally from potentiometric highs to lows, the latter of which exists in the center of the site, with some flow off-site to the north, east, and south. This flow pattern generally mimics the top surface of the unweathered claystone on which ground water in the weathered clay is believed to flow. This is due to the fact that the unweathered claystone, due to its low hydraulic conductivity, acts as a barrier to vertical ground water flow and controls horizontal flow. This surface can be seen on Figure 5. In addition to mimicking the top surface of the unweathered claystone, the ground water flow direction also appears to follow the surficial stream beds to a certain degree.

Closed Industrial Waste Disposal Area

In the early 1970's, Industrial Waste Materials Management, Inc. (IWMM), the owner of Austin Community Landfill at that time, disposed of over 21,000 barrels of industrial wastes and dumped acids and solvents (bulk) into open pits. The estimated location of this industrial waste disposal area including the location of the barrels can be seen on Figure 1. From this it can be seen that the industrial waste disposal area is believed to be located in the center of the site.

Ground Water Monitoring Program

The ground water at the site has been identified as being in the weathered clay and, therefore, this is the unit of concern for ground water monitoring. Figure 4 shows the potentiometric surface for this unit. From this, it can be seen that two potentiometric highs exist at the site, one is located near the northwest corner of the site and the other is located near the southeast corner of the site, with a potentiometric low existing near the center of the site.

Current Ground Water Monitoring System

The current ground water monitoring system includes wells MW-1A, MW-2A, MW-3, MW-4, MW-5 and MW-6. As was noted by Emmett Hudson of RUST-Houston in response to the TNRCC's comments on the Comprehensive Hydrogeological Assessment, the monitoring wells have filter packs extending greater than 10 feet above the well screen. Because this is not a recommended design, it was recommended by Emmett Hudson that these wells be abandoned and possibly replaced with new wells if the new monitoring system warranted the location of such wells. Several of the new piezometers were located in the vicinity of these old monitoring wells in order to collect water levels and for possible conversion to monitoring wells, if necessary.

Recommended Ground Water Monitoring Systems

Ground Water Monitoring System Design

Based on the potentiometric map developed using the new water level measurements (Figure 4), it is recommended that the current ground water monitoring system at the site consist of eleven ground water monitoring wells. These wells should include ten current piezometers that should be converted to monitoring wells and one new monitoring well. Figure 4 shows the locations of the recommended monitoring wells for the ground water monitoring system for the weathered clay. It should be noted that one of the recommended monitoring wells, MW-4A (PZ-20), is to be considered a temporary well because it will have to be removed when operations expand to the west.

Because two potentiometric highs exist on site, the ground water monitoring system should consist of wells which will properly monitor each of the potentiometric highs. The ground water monitoring system for the site should consist of the following wells: MW-1B (PZ-15), MW-2B (PZ-16), MW-3A (PZ-25), MW-6A (PZ-26), MW-11 (PZ-18), MW-13 (PZ-24) and the new monitoring well MW-16 (located near PZ-6) would be downgradient wells, with wells MW-4A (PZ-20), MW-5A (PZ-21), MW-12 (PZ-17) and MW-15 (PZ-22) being the upgradient wells. This information is summarized on Table 2.

The piezometer PZ-23 was intended to be included as a monitoring well for the current system, however, it is dry, and is not included as part of the recommended certified monitoring well system. It will be used for water level measurements at that location. Another well was not located in that area because of the difficult site conditions and because BFI (to the north) has a monitoring well near that location.

The above described monitoring system will also serve to monitor the closed industrial waste disposal area, located in the center of the site. Wells currently in place can be used to monitor this area, no new wells are necessary. The wells that will serve to monitor this area include two current piezometers that should be converted to monitoring wells, MW-6A (PZ-26) located downgradient of the industrial waste disposal area and MW-3A (PZ-25) located upgradient of the industrial waste disposal area. These wells will help in distinguishing between any contaminants that have been released from the industrial waste disposal area and the landfill unit itself.

Monitoring Well Screen Placement

The ground water at the site has been identified as being in the weathered clay and, therefore, this is the unit of concern for ground water monitoring. Based on this fact, it is recommended that ground water monitoring wells constructed at the site target the middle to lower part of the weathered clay unit. The depth of the actual screened interval for each monitoring location depends on the hydrogeology at that location. Recommended monitoring wells that are currently in place are screened in the middle to lower part of the weathered clay and any new monitoring wells installed will also be in this zone. Screen lengths of ten feet have proven to be effective for the ground water monitoring conditions at the site and are recommended for any wells monitoring this zone.

Monitoring Well Construction Specifications

The drilling, construction and development techniques of any recommended wells that are currently in place on site are similar to the monitoring well specifications listed in 30 TAC 330.242. The drilling, construction and development techniques of any new wells that are recommended will be similar to the monitoring well specifications listed in 30 TAC 330.242. The only deviation from the rules would be the use of an anodized aluminum protective well collar rather than one made of steel. A diagram of the typical monitoring well design is included in Attachment 1.

The drilling, construction and development of any new monitoring well will be completed in accordance with all applicable regulations. The driller will submit the required Water Well Report to the TNRCC. The geologist/hydrogeologist/engineer supervising the installation will document the installation and construction details on forms available from the TNRCC and will complete a site map to scale showing the location of all monitoring wells. The forms and the map will be submitted to the TNRCC within 30 days of well completion.

Future Ground Water Monitoring System (74-Acre Expansion)

Also part of the currently permitted site is the 74-acre expansion to the west. This area cannot be used until the year 2006 or until the existing 216-acre active area is filled to 90% capacity. Certification of the ground water monitoring system for this area will be made at least three years prior to commencing disposal activities on the expansion property.

Summary

In order to properly monitor the ground water at the Austin Community Landfill, it is recommended that eleven wells be included as part of the current ground water monitoring system to monitor the weathered clay unit at the site. The location of these wells can be seen on Figure 4.

It is recommended that ten current monitoring locations (piezometers to be converted to monitoring wells) and one new monitoring well be used to monitor the site. The purpose of this system is not to monitor individual sections or units of the landfill, but to monitor the entire landfill as a whole unit. Because of this, the monitoring wells are located on or near the property boundary (with a few exceptions). The current recommended monitoring locations MW-1B (PZ-15), MW-2B (PZ-16), MW-3A (PZ-25), MW-6A (PZ-26), MW-11 (PZ-18) and MW-13 (PZ-24) would be downgradient wells, and wells MW-4A (PZ-20), MW-5A (PZ-21), MW-12 (PZ-17) and MW-15 (PZ-22) would be the upgradient wells. A new monitoring well MW-16 (located near PZ-6 on the east side of the channel) would be a downgradient well. One of the recommended monitoring wells, MW-4A (PZ-20), is to be considered a temporary well because it will have to be removed when operations expand to the west.

Wells MW-3A (PZ-25) and MW-6A (PZ-26) will also serve to monitor the ground water in the location of the closed industrial waste disposal area. These will help to distinguish between ground water from the landfill and that from the industrial waste disposal area.

It is recommended that monitoring wells in the monitoring system at the site be screened in the middle to lower portion of the weathered clay with ten foot screens. Drilling, construction and development techniques for any monitoring well (existing or new) included in the monitoring system will be similar to the current regulations.

Table 1: Austin Community Landfill Groundwater Levels

Data Point	Surface Elevation (MSL)	Screen		Top of Casing (MSL)	Groundwater Level Measurements (Depth/MSL)								
		Top Depth/MSL	Bottom Depth/MSL		5/12/94 BTOC/MSL	6/13/94 BTOC/MSL	8/4/94 BTOC/MSL	8/11/94 BTOC/MSL	9/16/94 BTOC/MSL	10/21/94 BTOC/MSL	12/2/94 BTOC/MSL	12/23/94 BTOC/MSL	2/3/95 BTOC/MSL
PZ-6	596.46	19.0/577.46	29.0/567.46	599.2	24.24/574.96	13.26/585.94	12.51/586.69	12.47/586.73	12.39/586.81	12.3/586.90	12.5/586.7	12.54/586.66	12.57/586.63
PZ-7*	596.16	35.5/560.66	45.5/550.66	599.13	19.97/579.16	13.67/585.46	13.35/585.78	14.13/585.00	13.83/585.30	13.64/585.49	13.64/585.49	13.65/585.48	13.4/585.73
PZ-8	623.67	28.0/595.67	38.0/585.67	626.55	35.22/591.33	26.42/600.13	22.25/604.30	22.45/604.1	24.33/602.22	23.93/602.62	22.79/603.76	22.58/603.97	21.69/604.86
PZ-9	626.13	28.5/597.63	38.5/587.63	629.35	24.49/604.86	21.41/607.94	20.91/608.44	20.95/608.40	20.94/608.41	21.06/608.29	18.03/608.1**	18.02/608.11**	17.77/608.36**
PZ-10	618.25	34.5/583.75	44.5/573.75	621.19	13.55/607.64	12.75/608.44	13.27/607.92	13.16/608.03	13.04/608.15	12.85/608.34	12.86/608.33	12.67/608.52	12.57/608.62
PZ-11*	609.32	37.5/571.82	42.5/566.82	612.15	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
PZ-12	637.6	50.0/587.60	60.0/577.60	640.46	38.88/601.58	16.48/623.98	14.6/625.86	14.99/625.47	14.78/625.68	13.70/626.76	12.79/627.67	11.7/628.76	11.22/629.24
PZ-13	613.72	26.5/607.22	34.5/597.22	636.71	38.82/597.89	36.48/600.23	32.41/604.30	31.95/604.76	29.11/607.60	24.65/612.06	20.59/616.12	19.06/617.65	16.69/620.02
PZ-14*	633.52	43.0/590.52	53.0/580.52	635.5	54.92/580.58	54.22/581.28	52.66/582.84	52.48/583.02	51.47/584.03	50.42/585.08	49.35/586.15	48.82/586.68	47.83/587.67
PZ-15	624.16	29.5/594.66	39.5/584.66	626.92	28.06/598.86	19.61/607.31	17.84/609.08	17.58/609.34	16.91/610.01	16.25/610.67	16.35/610.57	16.37/610.55	16.59/610.33
PZ-16	635.38	40.5/594.88	50.5/584.88	638.18	47.45/590.73	33.40/604.78	33.40/604.78	21.84/616.34	19.90/618.28	18.90/619.28	18.52/619.66	18.35/619.83	17.98/620.2
PZ-17	644.8	45.0/599.80	55.0/589.8	648.17	64.01/594.16	31.80/616.37	31.8/616.37	25.83/622.34	24.98/623.19	24.70/623.47	24.57/623.6	24.16/624.01	23.72/624.45
PZ-18	581.64	13.5/568.14	23.5/558.14	584.47	14.37/570.10	14.13/570.34	14.13/570.34	15.00/569.47	14.99/569.48	14.95/569.52	14.52/569.95	14.6/569.87	13.71/570.76
PZ-19*	576.44	31.0/545.44	41.0/535.44	579.62	7.89/571.73	8.10/571.52	8.10/571.52	9.72/569.9	9.02/570.60	8.09/571.53	7.16/572.46	6.92/572.7	6.56/573.06
PZ-20	660.5	31.0/629.5	41.0/619.5	663.37	39.35/624.02	40.23/623.14	40.23/623.14	41.08/622.29	41.49/621.88	41.80/621.57	42.21/621.16	42.36/621.01	42.67/620.7
PZ-21	647.6	48.5/599.1	58.5/589.1	650.12	36.74/613.38	33.91/616.21	33.91/616.21	32.24/617.88	31.36/618.76	30.86/619.26	30:76/619.36	30.62/619.5	30.27/619.85
PZ-22	631.98	33.5/598.48	43.5/588.48	634.48	14.22/620.26	13.39/621.09	15.62/618.86	12.69/621.79	10.54/623.94	8.51/625.97	8.6/625.88	7.72/626.76	7.77/626.71
PZ-23	608.82	15.0/593.82	25.0/583.82	611.78	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
PZ-24	623.7	56.5/567.2	66.5/557.20	626.84	32.9/593.94	30.49/596.35	30.7/596.14	27.2/599.64	27.28/599.56	27.00/599.84	26.05/600.79	26.02/600.82	26.31/600.53
PZ-25	615.9	25.0/590.9	35.0/580.9	618.8	9.38/609.42	8.91/609.89	9.10/609.7	9.05/609.75	8.75/610.05	8.43/610.37	NM	7.83/610.97	7.51/611.29
PZ-26	583.74	15.0/568.74	25.0/558.74	586.9	8.01/578.89	4.69/582.21	4.80/582.10	4.8/582.10	3.95/582.95	3.62/583.28	3.64/583.26	3.75/583.15	3.69/583.21

* Deep well - in unweathered claystone

** depth to water measured from ground surface

NM - not measured

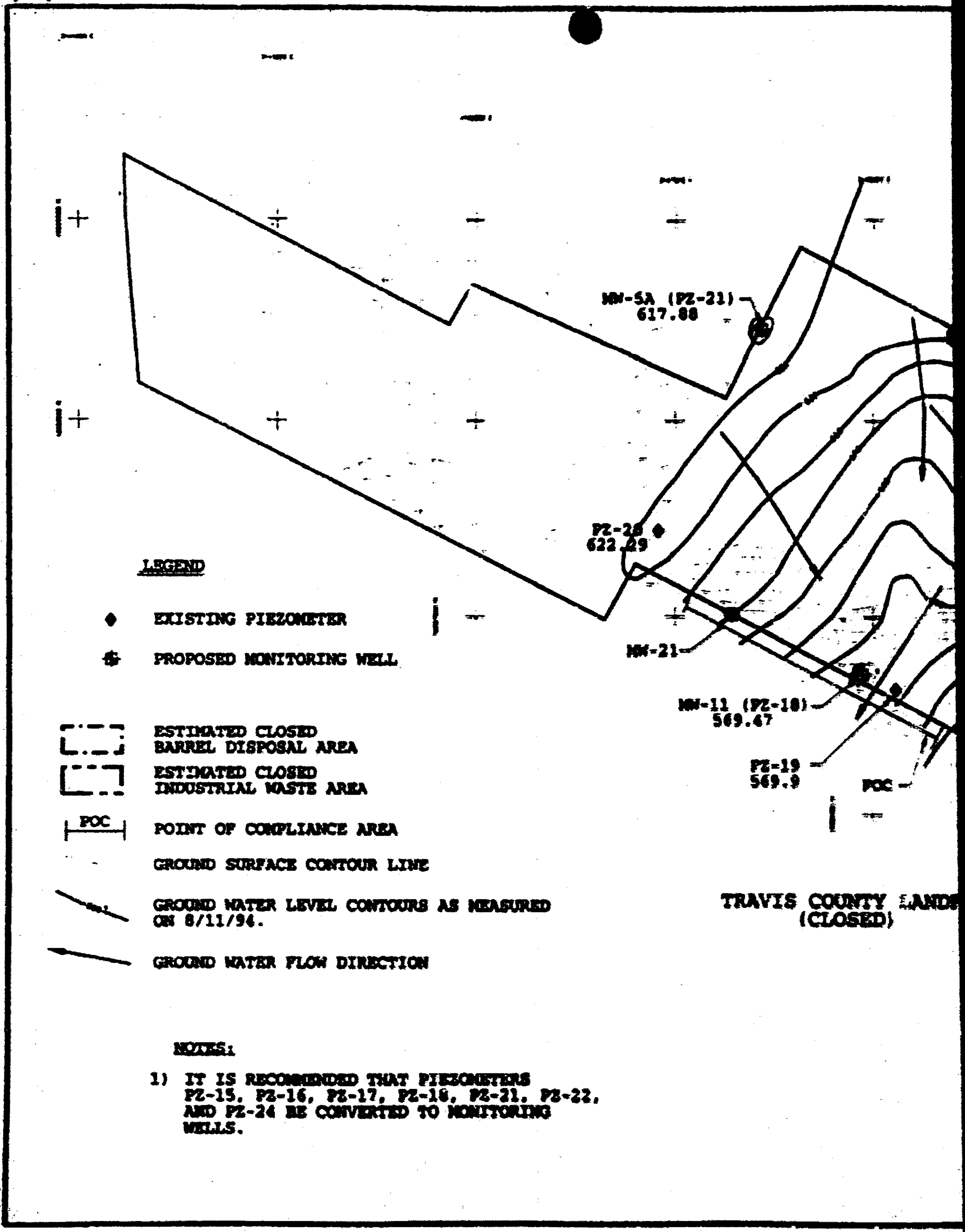
Table 2: Recommended Monitoring Well System

Showing Gradient of Wells in Relation to Area Landfills

Well ID*	ACL**	BFI***	County Lf****
MW-1B (PZ-15)	D	NA	NA
MW-2B (PZ-16)	D	NA	NA
MW-3A (PZ-25)	D	NA	D
MW-4A (PZ-20)	U	NA	NA
MW-5A (PZ-21)	U	NA	NA
MW-6A (PZ-26)	D	NA	NA
MW-11 (PZ-18)	D	NA	U
MW-12 (PZ-17)	U	NA	D
MW-13 (PZ-24)	D	U	NA
MW-15 (PZ-22)	U	D	NA
MW-16	D	D	NA

* Well label followed by current piezometer label
** Austin Community Landfill
*** BFI/Sunset Farms Landfill
**** Travis County Landfill (closed)

U = upgradient
D = downgradient
NA = not applicable



NOTES:

1) IT IS RECOMMENDED THAT PIEZOMETERS PZ-15, PZ-16, PZ-17, PZ-18, PZ-21, PZ-22, AND PZ-24 BE CONVERTED TO MONITORING WELLS.

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Barry R. McBee, Chairman
R. B. "Ralph" Marquez, Commissioner
John M. Baker, Commissioner
Dan Pearson, Executive Director

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

December 20, 1995

Mr. Rusty Fusilier, P.E.
Site Engineer WMTX
Austin Community LF
9708 Giles Road
Austin TX 78754

RE. Solid Waste - Travis County
WMI-Texas Waste Systems, Inc. - **MSW Permit No. 249**
Ground-Water Monitoring System Design Report

Dear Mr. Fusilier:

On May 1, 1995, we received a *Ground Water Monitoring System Design Report* (GWMSDR) for the subject facility. The GWMSDR was prepared by RUST Environment & Infrastructure, dated April 27, 1995, submitted under cover letter dated May 1, 1995, and signed by you. A ground-water monitoring system design certification was also included in the GWMSDR. This certification was dated April 27, 1995, and signed by Mr. H. Morris for Mr. Martin Sara, RUST Environment & Infrastructure.

We have completed the review of the document and are unable to approve the ground-water monitoring system design at this time. We realize the difficulty that is involved in characterizing a complex hydrogeologic system such as the Taylor Group. However, we believe that the following comments should be addressed before the design of the monitoring system can be approved. Please be aware that 30 TAC§§330.231(a) and 330.231(a)(2) state:

> "A ground-water monitoring system shall be installed that consists of a sufficient number of monitoring wells, installed at appropriate locations and depths, to yield representative ground-water samples from the uppermost aquifer . . ." and
>
> "The downgradient monitoring system shall include monitoring wells installed to allow determination of the quality of ground water passing the relevant point of compliance . . . The downgradient monitoring system shall be installed to ensure the detection of ground-water contamination in the uppermost aquifer . . ."

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000

Please address the following comments and suggestions within 60 days of the date of this letter.

1. **Hydrogeology** -- The discussion of the site hydrogeology identifies the weathered clay strata of the Taylor Group as the uppermost water bearing unit. Secondary porosity features facilitate the flow of ground water in this unit and account for the observed hydraulic conductivities ranging from 1 X 10[illegible] to 1 X 10[illegible] cm sec. These features are absent from the lower unweathered zone, which typically has hydraulic conductivities on the order of 1 X 10[illegible] cm sec and acts as a boundary to vertical flow of ground water. The flow pattern of the ground-water is controlled, to a large extent by the top surface of the unweathered zone. Therefore, the depiction of the top of the unweathered claystone surface that is presented in Figure 5 is extremely important to the interpretation of ground-water flow direction at the site and ultimately in the identification of upgradient and downgradient portions of the landfill. In our experience in similar geologic settings, we have noticed that the top of the unweathered surface strongly mimics the original preconstruction land surface. Therefore, we recommend that Figure 5 be reevaluated and redrawn. It may be beneficial to consider preconstruction topography and the location of drainage when preparing the contour map, especially since there is little geologic control in the south-central portion of the landfill to support the computer generated interpretation. There are unrealistic features that the contour map suggests are present such as the closed depression that is defined by data from boring X-5. There are no data points located south of X-5 that would force the closure of the contours. It is much more likely that this low point corresponds to one of the drainage valleys that transect the facility and would therefore, result in a linear depression of the top of the unweathered surface.

2. **Closed Industrial Waste Disposal Area** -- The location of the closed industrial waste disposal area is only shown on Figure 1. This figure does not show ground water flow direction or the location of the ground-water monitoring wells that are designed to monitor this portion of the facility (MW-3 and MW-6). Therefore, we recommend that the closed industrial disposal area be added to the potentiometric map presented as Figure 4

3. **Ground Water Monitoring Program** -- The proposed ground water monitoring system design is based on the potentiometric map presented as Figure 4. We would also recommend that the site map showing the location of all monitoring wells be presented on a topographic map to show the location of the wells in relation to relevant features such as topographic highs and drainage. It is also difficult to determine if there is considerable differences between the proposed locations of the monitoring wells presented in Figure 13 of the *Response to TNRCC Comments on Comprehensive Hydrologic Assessment*, November 1993, and the actual placement of piezometers. It appears that the dry piezometer PZ-23 is located approximately 300 feet east of the proposed location for MW-14.

4. **Ground Water Monitoring Program** -- We recognize that the establishment of the point of compliance (POC) for this facility is difficult. It appears from the potentiometric map presented as Figure 4, that two POCs can be established. However, due to lack of ground-water elevation data in some areas, it is difficult to establish ground-water flow direction. For instance, the permit boundary between PZ-20 and PZ-18 is shown to be parallel to the ground-water flow direction on Figure 4. If original surface topography is considered, there may be a southerly component of flow across the permit boundary. Therefore, on the basis of the data presented, we recommend that the first POC be defined as the area starting approximately 700 feet southeast of PZ-18 and continuing along the permit boundary to a point approximately 1,100 feet northwest of PZ-18. The second POC is located along the permit boundary from a point approximately 700 feet northwest of PZ-11 and continuing clockwise along the permit boundary around the northeast corner of the facility, around the southern corner of the facility, and to PZ-12.

5. **Ground Water Monitoring Program** -- The proposed ground-water monitoring system is reported to be composed of four upgradient wells (MW-4A, MW-5A, MW-12, and MW-15), four POC wells (MW-1B, MW-2B, MW-11, and MW-13) and three wells located within the landfill (MW-3, MW-6, and MW-16). One of the upgradient wells, MW-12, may actually be located along the southeastern POC, as suggested above. It appears that only five wells have been installed to monitor the total length of the POC which is approximately 7,900 feet. We recommend that the following additional downgradient POC wells be added to the ground-water monitoring system. For illustration purposes only, we have named these recommended wells MW-17 through MW-21.

- MW-17 -- Located near the permit boundary approximately 500 feet west of PZ-23. This coincides with the original proposed location of MW-14, as shown on Figure 13 of the *Response to TNRCC Comments on Comprehensive Hydrologic Assessment*.

- MW-18 -- Located near the permit boundary approximately 500 feet east of PZ-23. This is close to the original proposed location of MW-13, as shown on Figure 13 of the *Response to TNRCC Comments on Comprehensive Hydrologic Assessment*.

- MW-19 -- Located between MW-13 (PZ-24) and MW-1B (PZ-15). The current spacing between the existing wells may not be adequate to be protective of human health and the environment.

- MW-20 -- Located between MW-2B (PZ-16) and MW-12 (PZ-17). It appears from preconstruction topographic maps, that a localized topographic high existed in the southeast portion of the facility. Therefore, it is probable that radial flow from this point would also result in ground water flow across the permit boundary to the south. This suggests, as mentioned above, that MW-12 is a downgradient POC well. The current spacing between the existing wells may not be adequate to be protective of human health and the environment.

- MW-21 Located near the property boundary approximately 600 feet west of MW-11 (PZ-18). Topographic maps suggest that in this area, there may be a component of flow that is towards the permit boundary. One well in this area may not be sufficient to ensure the detection of contamination at the POC as required by our rules

All new monitoring wells should be installed following the specifications described in the sections "*Monitoring Well Screen Placement*" and "*Monitoring Well Construction Specification*" of the GWMSDR. Prior to the installation of any monitoring wells, a Class I modification request should be submitted to Mr. Mike Graeber, Permits Section, for approval.

All submittals, including cover letters are to be in triplicate, as has been required in the past. Please be sure to include the permit number and county on all submittals and correspondence. To expedite the receipt of submittals, it would be helpful to include our internal mail code, MC 124, appearing after my name and on a separate line. Your cooperation in this matter will be greatly appreciated.

If you have any questions about this matter, or would like to schedule a meeting to discuss these recommendations, please call Mr. Todd Council, Geologist, Ground-Water Monitoring Team, at (512) 239-6093.

Sincerely,

Ada Lichaa

Ada Lichaa, Team Leader
Ground-Water Monitoring Team, Municipal Solid Waste Division

AAL/TAC

cc: TNRCC Region 11 Office - Chris Smith
RUST Environment & Infrastructure

ACL-4.1.2
3/15/96

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

A Waste Management Company

March 15, 1996

96 MAR 15 PM 4:45
SOLID WASTE MGMT.

Ms. Ada Lichaa, Leader
MC 124
Ground-Water Monitoring Team
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P. O. Box 13087
Austin, TX 78711-3087

SUBJECT: Municipal Solid Waste - Travis County
Austin Community Landfill - Permit No. MSW 249-C
Response to TNRCC Comments on Groundwater Monitoring System Design Report

Dear Ms. Lichaa:

On behalf of Waste Management of Texas, Inc., enclosed is a revised Ground Water Monitoring System Design Report (GWMSDR) for the subject facility. The GWMSDR was originally submitted to the Texas Natural Resource Conservation Commission (TNRCC) on May 1, 1995. Modifications have been made to the original report in response to TNRCC comments received in a letter dated December 20, 1995. Also, comments provided by Mr. Todd Council of your staff, during a site visit on February 8, 1996, were considered when these modifications were made.

Revised figures 4a, 4b, and 5 have been included in the enclosed GWMSDR. As a result of the revisions made to Figure 5, modified cross-sections (figures 2 and 3) have also been included in the report. Necessary changes, resulting from revisions to the figures, have been made to Table 2 and the narrative. This revised report is intended as a replacement of the original report dated April 1995. Provided below is an explanation of the revisions made in response to each TNRCC comment.

TNRCC Comment No. 1 - Hydrogeology

Figure 5 of the GWMSDR has been modified to include pre-construction surface topography. Unweathered claystone surface contours have been revised to approximate pre-construction surface topography wherever possible.

TNRCC Comment No. 2 - Closed Industrial Waste Disposal Area

The closed industrial waste disposal area has been added to all revised drawings.

TNRCC Comment No. 3 - Ground Water Monitoring Program

Existing Figure 4 has been replaced by figures 4a and 4b. Figure 4a shows the potentiometric surface of the weathered clay with existing monitoring well locations. Ground water flow directions have been modified to follow pre-construction surface topography and the surface of the unweathered claystone wherever possible. Figure 4b identifies the recommended groundwater monitoring system in relation to existing topographic features at the facility.

TNRCC Comment No. 4 - Ground Water Monitoring Program

Figure 4b identifies the Point of Compliance (POC). The POC shown is as recommended by the TNRCC with the exception of the area west of PZ-23. Based on the revised ground water flow patterns, this area is upgradient of the facility.

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TNRCC Comment No. 5 - Ground Water Monitoring Program

Figure 4b identifies the recommended monitoring well system for the facility. Based on discussions with the TNRCC and revised ground water flow contours, the following system is recommended:

- Monitoring wells MW-5A (PZ-21) and MW-15 (PZ-22) located along the northwest boundary of the facility will serve as upgradient wells.
- Monitoring wells MW-21 and MW-11 (PZ-18) located along the southwest POC will serve as downgradient wells.
- Monitoring wells MW-13 (PZ-24), MW-19, MW-1B (PZ-15), MW-2B (PZ-16), MW-20 and MW-12 (PZ-17) located along the eastern POC will serve as downgradient wells. Monitoring wells MW-19 and MW-1B will be phased in at least two years prior to waste disposal in the northeast portion of the facility (i.e., the area east of a line drawn from MW-2B to MW-13) to allow adequate time (i.e., eight quarters) to collect background samples.

Monitoring wells MW-17 and MW-18, recommended by the TNRCC in the December 20th letter, are not proposed to be included in the groundwater monitoring system. Based on the revised groundwater flow contours (see Figure 4A of the enclosed report), MW-17 and MW-18 would both be located downgradient of the BFI landfill.

Piezometers PZ-25 and PZ-26, located within the landfill, are not proposed to be included in the groundwater monitoring system but will be retained for possible use in measuring water levels and sampling at the discretion of the facility operator.

As required by 30 TAC 330.113(c) of TNRCC rules, please be advised that this letter with enclosure is being placed in the operating record for the subject facility in accordance with the requirements of 30 TAC 330.113(b). Also, as required, this letter with enclosure is submitted in triplicate.

Your consideration of this revised GWMSDR is appreciated. Upon approval of this report, a certification of the groundwater monitoring system design and a Class I permit modification request will be submitted. If you should have any questions or comments regarding the enclosed report, please contact me at telephone number (512) 272-9372 in Austin.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier

Rusty Fusilier, P.E.
Environmental Engineer

RF/JG/rf (4.1.2)
Enclosure

cc w/enclosure: Sonny Sanfilippo
Johnny Williams (OR-4.1.2)
Emmett Hudson, RUST

cc w/o enclosure: Mike Ray, RUST
John Geiger, RUST

(wp60\rusty\960315-1.wrf)

Ground Water Monitoring System Design Report
for
Austin Community Landfill
MSW Permit No. 249-C

Prepared for:

Waste Management of Texas, Inc.
9708 Giles Road
Austin, TX 78754

Prepared By:

Rust Environment & Infrastructure
1240 East Diehl Road
Naperville, IL 60563

Revised March, 1996

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2323

Introduction

This report presents a discussion on the site geology, hydrogeology, closed industrial waste disposal area and the current ground water monitoring program at the Austin Community Landfill, along with recommendations for a proposed ground water monitoring system. This report addresses several recommendations made by Emmett Hudson of RUST-Houston in response to the TNRCC's comments on the Comprehensive Hydrogeological Assessment. Of the recommendations made, the following are addressed in this report: replacement ground water monitoring wells, new piezometers, new ground water monitoring wells, monthly ground water elevations, new site cross sections, and new site potentiometric surface maps. Since waste disposal activities are currently restricted to the original 216-acre landfill site, this report only addresses that portion of the permitted site. A section below (titled *Future Ground Water Monitoring System*) provides the schedule for certifying the ground water monitoring system for the 74-acre expansion site.

Geology

The geology at the site consists of claystones and marls of the Taylor Group (Cretaceous System). This Group is comprised of the Sprinkle, Pecan Gap Chalk, and the Bergstrom members. The units dip in a southeastern direction across the site and strike from northeast to southeast.

The Sprinkle member, which is the youngest of the members, is a bluish-gray montmorillonite claystone. The weathered Sprinkle member is tan, highly plastic, and contains abundant omni-directional slickensides. The unweathered Sprinkle contains occasional fractures, some of which contain gypsum.

The Pecan Gap Chalk member is a chalk which grades upward into a chalky marl. The Pecan Gap Chalk is less plastic and more competent: therefore, the regional joint sets are preserved. The joints are oriented north to south and northeast to southwest.

The Bergstrom member is typically characterized as a clay unit. The Bergstrom has been identified at the site as a plastic tan residual clay unit.

Hydrogeology

The hydrogeological conceptual model at the site consists of two strata, an unweathered claystone and a weathered clay. Two new cross sections were constructed across the site to better define the hydrogeologic conditions at the site. Figure 1 shows the location of these two cross sections. Figures 2 and 3 are of Cross Section A-A' and B-B', respectively. These show a general northeast-southwest and southeast-northwest conceptual view of the site's hydrogeology. Both units are described below.

Unweathered Claystone

The unweathered claystone is the basal unit at the site. Laboratory tests done on samples taken by McBride Ratcliff and Associates, Inc. in 1990 yielded results that typically define this stratum as not being saturated. Other test results revealed that the unit has a hydraulic conductivity value on the order of 1E-9 cm/sec. Because of these results, the unweathered claystone is not considered a hydrogeologic unit of concern to be monitored.

Weathered Clay

The weathered clay stratum is the surficial unit at the site and ground water has been identified in this unit. Secondary porosity features such as fractures and slickensided planes allow this unit to act as a transmissive unit. Hydraulic conductivity values of 1E-3 to 1E-6 cm/sec have been identified for this unit. Higher hydraulic conductivity values are probably a result of a higher density of secondary porosity features.

As recommended by Emmett Hudson of RUST-Houston in response to the TNRCC's comments on the Comprehensive Hydrogeological Assessment, in order to evaluate the ground water conditions at the site, several new piezometers were installed in the Spring of 1994 at the site and a monthly ground water level measurement program was initiated. Ground water level measurements were taken from May, 1994 to February, 1995 from 21 piezometers. Table 1 shows the results of these sampling events. The monthly levels were analyzed to observe the ground water conditions at the site and to note any seasonal variations in the levels. As can be seen from Table 1, it appears that some of the ground water levels have not yet reached (or are just now reaching) equilibrium. This is due to the fact that the water levels in some wells have shown a continual increase over the 10 month monitoring period. This could be the result of the wells being located in zones of lower hydraulic conductivity or it could be due to excess rainfall at the site. If the water levels have not reached equilibrium, the ground water elevations are not truly representative of the potentiometric surface at the site. Results from the August 11, 1995 sampling event were used to generate the potentiometric map for the weathered clay. It can be noted that all of the wells still showing rising water levels are located in the southeastern portion of the site where a potentiometric high exists (discussed later) and that rising water levels at that location will not change the direction of ground water flow. Several piezometers were not used when generating the potentiometric map because they are screened in the unweathered claystone and are not considered part of the monitoring system for the weathered clay.

Figure 4a shows the potentiometric surface in the weathered clay unit for the sampling event taken August 11, 1995. As can be seen from Figure 4a, two potentiometric highs exist at the site, one in the northwest portion of the site and one in the southeast portion of the site. Flow is generally from potentiometric highs to lows, the latter of which exists in the center of the site, with some flow off-site to the north, east, and south. This flow pattern generally mimics the top surface of the unweathered claystone on which ground water in the weathered clay is believed to flow. This is due to the fact that the unweathered claystone, due to its low hydraulic conductivity, acts as a barrier to vertical ground water flow and controls horizontal flow. This surface can be seen on Figure 5. In addition to mimicking the top surface of the unweathered claystone, the ground water flow direction also appears to follow the surficial stream beds to a certain degree.

Closed Industrial Waste Disposal Area

In the early 1970's, Industrial Waste Materials Management, Inc. (IWMM), the owner of Austin Community Landfill at that time, disposed of over 21,000 barrels of industrial wastes and dumped acids and solvents (bulk) into open pits. The estimated location of this industrial waste disposal area including the location of the barrels can be seen on Figure 1. From this it can be seen that the industrial waste disposal area is believed to be located in the center of the site.

Ground Water Monitoring Program

The ground water at the site has been identified as being in the weathered clay and, therefore, this is the unit of concern for ground water monitoring. Figure 4a shows the potentiometric surface for this unit. From this, it can be seen that two potentiometric highs exist at the site, one is located near the northwest corner of the site and the other is located near the southeast corner of the site, with a potentiometric low existing near the center of the site.

Current Ground Water Monitoring System

The current ground water monitoring system includes wells MW-1A, MW-2A, MW-3, MW-4, MW-5 and MW-6. The monitoring wells have filter packs extending greater than 10 feet above the well screen. Because this is not a recommended design, it is recommended that these wells be abandoned and possibly replaced with new wells if the new monitoring system warranted the location of such wells. Several of the new piezometers were located in the vicinity of these old monitoring wells in order to collect water levels and for possible conversion to monitoring wells, if necessary.

Recommended Ground Water Monitoring Systems

Ground Water Monitoring System Design

Based on the potentiometric map developed using the new water level measurements (Figure 4a), it is recommended that the current ground water monitoring system at the site consist of

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ten ground water monitoring wells. These wells would include seven current piezometers that will be converted to monitoring wells and three new monitoring wells. Figure 4b shows the locations of the recommended monitoring wells for the ground water monitoring system for the weathered clay.

The ground water monitoring system for the site will consist of the following downgradient wells: MW-1B (PZ-15), MW-2B (PZ-16), MW-12(PZ-17), MW-11 (PZ-18), MW-13 (PZ-24) and new monitoring wells MW-19, MW-20 and MW-21. Upgradient monitoring wells will consist of MW-5A (PZ-21) and MW-15 (PZ-22). This information is summarized on Table 2.

Monitoring Well Screen Placement

The ground water at the site has been identified as being in the weathered clay and, therefore, this is the unit of concern for ground water monitoring. Based on this fact, it is recommended that ground water monitoring wells constructed at the site target the middle to lower part of the weathered clay unit. The depth of the actual screened interval for each monitoring location depends on the hydrogeology at that location. Recommended monitoring wells that are currently in place are screened in the middle to lower part of the weathered clay and any new monitoring wells installed will also be in this zone. Screen lengths of ten feet have proven to be effective for the ground water monitoring conditions at the site and are recommended for any wells monitoring this zone.

Monitoring Well Construction Specifications

The drilling, construction and development techniques of any recommended wells that are currently in place on site are similar to the monitoring well specifications listed in 30 TAC 330.242. The drilling, construction and development techniques of any new wells that are recommended will be similar to the monitoring well specifications listed in 30 TAC 330.242. The only deviation from the rules would be the use of an anodized aluminum protective well collar rather than one made of steel. A diagram of the typical monitoring well design is included in Attachment 1.

The drilling, construction and development of any new monitoring well will be completed in accordance with all applicable regulations. The driller will submit the required Water Well Report to the TNRCC. The geologist/hydrogeologist/engineer supervising the installation will document the installation and construction details on forms available from the TNRCC and will complete a site map to scale showing the location of all monitoring wells. The forms and the map will be submitted to the TNRCC within 30 days of well completion.

Future Ground Water Monitoring System (74-Acre Expansion)

Also part of the currently permitted site is the 74-acre expansion to the west. This area cannot be used until the year 2006 or until the existing 216-acre active area is filled to 90% capacity. Certification of the ground water monitoring system for this area will be made at least three years prior to commencing disposal activities on the expansion property.

Summary

In order to properly monitor the ground water at the Austin Community Landfill, it is recommended that ten wells be included as part of the ground water monitoring system to monitor the weathered clay unit at the site. The location of these wells can be seen on Figure 4b.

It is recommended that seven current monitoring locations (piezometers to be converted to monitoring wells) and three new monitoring wells be used to monitor the site. The purpose of this system is not to monitor individual sections or units of the landfill, but to monitor the entire landfill as a whole unit. Because of this, the monitoring wells are located on or near the property boundary (near the Point of Compliance). The ground water monitoring system for the site will consist of the following downgradient wells: MW-1B (PZ-15), MW-2B (PZ-16), MW-12(PZ-17), MW-11 (PZ-18), MW-13(PZ-24) and new monitoring wells MW-19, MW-20 and MW-21. Upgradient monitoring wells will consist of MW-5A (PZ-21) and MW-15 (PZ-22).

It is recommended that monitoring wells in the monitoring system at the site be screened in the middle to lower portion of the weathered clay with ten foot screens. Drilling, construction and development techniques for any monitoring well (existing or new) included in the monitoring system will be similar to the current regulations.

Table 1: Austin Community Landfill Groundwater Levels

Data Point	Surface Elevation (MSL)	Screen		Top of Casing (MSL)	Ground Water Level Measurements (Depth/MSL)								
		Top Depth/MSL	Bottom Depth/MSL		05/11/90 BTOC/MSL	06/12/90 BTOC/MSL	08/03/90 BTOC/MSL	08/10/90 BTOC/MSL	09/15/90 BTOC/MSL	10/20/90 BTOC/MSL	12/01/90 BTOC/MSL	12/22/90 BTOC/MSL	02/02/91 BTOC/MSL
PZ-6	596.46	19.0/577.46	29.0/567.46	599.2	24.24/574.96	13.26/585.94	12.51/586.69	12.47/586.73	12.39/586.81	12.3/586.90	12.5/586.7	12.54/586.66	12.57/586.63
PZ-7*	596.16	35.5/560.66	45.5/550.66	599.13	19.97/579.16	13.67/585.46	13.35/585.78	14.13/585.00	13.83/585.30	13.64/585.49	13.64/585.49	13.65/585.48	13.4/585.73
PZ-8	623.67	28.0/595.67	38.0/585.67	626.55	35.22/591.33	26.42/600.13	22.25/604.30	22.45/604.1	24.33/602.22	23.93/602.62	22.79/603.76	22.58/603.97	21.69/604.86
PZ-9	626.13	28.5/597.63	38.5/587.63	629.35	24.49/604.86	21.41/607.94	20.91/608.44	20.95/608.40	20.94/608.41	21.06/608.29	18.03/608.1**	18.02/608.11**	17.77/608.36**
PZ-10	618.25	34.5/583.75	44.15/573.75	621.19	13.55/607.64	12.75/608.44	13.27/607.92	13.16/608.03	13.04/608.15	12.85/608.34	12.86/608.33	12.67/608.52	12.57/608.62
PZ-11*	609.32	37.5/571.82	42.5/566.82	612.15	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
PZ-12	637.6	50.0/587.60	60.0/577.60	640.46	38.88/601.58	16.48/623.98	14.6/625.86	14.99/625.47	14.78/625.68	13.70/626.76	12.79/627.67	11.7/628.76	11.22/629.24
PZ-13	613.72	26.5/607.22	36.5/597.22	636.71	38.82/597.89	36.48/600.23	32.41/604.30	31.95/604.76	29.11/607.60	24.65/612.06	20.59/616.12	19.06/617.65	16.69/620.02
PZ-14*	633.52	43.0/590.52	53.0/580.52	635.5	54.92/580.58	54.22/581.28	52.66/582.84	52.48/583.02	51.47/584.03	50.42/585.08	49.35/586.15	48.82/586.68	47.83/587.67
PZ-15	624.16	29.5/594.66	39.5/584.66	626.92	28.06/598.86	19.61/607.31	17.84/609.08	17.58/609.34	16.91/610.01	16.25/610.67	16.35/610.57	16.37/610.55	16.59/610.33
PZ-16	635.38	40.5/594.88	50.5/584.88	638.18	47.45/590.73	33.40/604.78	33.40/604.78	21.84/616.34	19.90/618.28	18.90/619.28	18.52/619.66	18.35/619.83	17.98/620.2
PZ-17	644.8	45.0/599.80	55.0/589.8	648.17	64.01/594.16	31.80/616.37	31.8/616.37	25.83/622.34	24.98/623.19	24.70/623.47	24.57/623.6	24.16/624.01	23.72/624.45
PZ-18	581.64	13.5/568.14	23.5/558.14	584.47	14.37/570.10	14.13/570.34	14.13/570.34	15.00/569.47	14.99/569.48	14.95/569.52	14.52/569.95	14.6/569.87	13.71/570.76
PZ-19*	576.44	31.0/545.44	41.0/535.44	579.62	7.89/571.73	8.10/571.52	8.10/571.52	9.72/569.9	9.02/570.60	8.09/571.53	7.16/572.46	6.92/572.7	6.56/573.06
PZ-20	660.5	31.0/629.5	41.0/619.5	663.37	39.35/624.02	40.23/623.14	40.23/623.14	41.08/622.29	41.49/621.88	41.80/621.57	42.21/621.16	42.36/621.01	42.67/620.7
PZ-21	647.6	48.5/599.1	58.5/589.1	650.12	36.74/613.38	33.91/616.21	33.91/616.21	32.24/617.88	31.36/618.76	30.86/619.26	30.76/619.36	30.62/619.5	30.27/619.85
PZ-22	631.98	33.5/598.48	43.5/588.48	634.48	14.22/620.26	13.39/621.09	15.62/618.86	12.69/621.79	10.54/623.94	8.51/625.97	8.6/625.88	7.72/626.76	7.77/626.71
PZ-23	608.82	15.0/593.82	25.0/583.82	611.78	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
PZ-24	623.7	56.5/567.2	66.5/557.20	626.84	32.9/593.94	30.49/596.35	30.7/596.14	27.2/599.64	27.28/599.56	27.00/599.84	26.05/600.79	26.02/600.82	26.31/600.53
PZ-25	615.9	25.0/590.9	35.0/580.9	618.8	9.38/609.42	8.91/609.89	9.10/609.7	9.05/609.75	8.75/610.05	8.43/610.37	NM	7.83/610.97	7.51/611.29
PZ-26	583.74	15.0/568.74	25.0/558.74	586.9	8.01/578.89	4.69/582.21	4.80/582.10	4.8/582.10	3.95/582.95	3.62/583.28	3.64/583.26	3.75/583.15	3.69/583.21

* Deep well - in unweathered claystone

** depth to water measured from ground surface

NM - not measured

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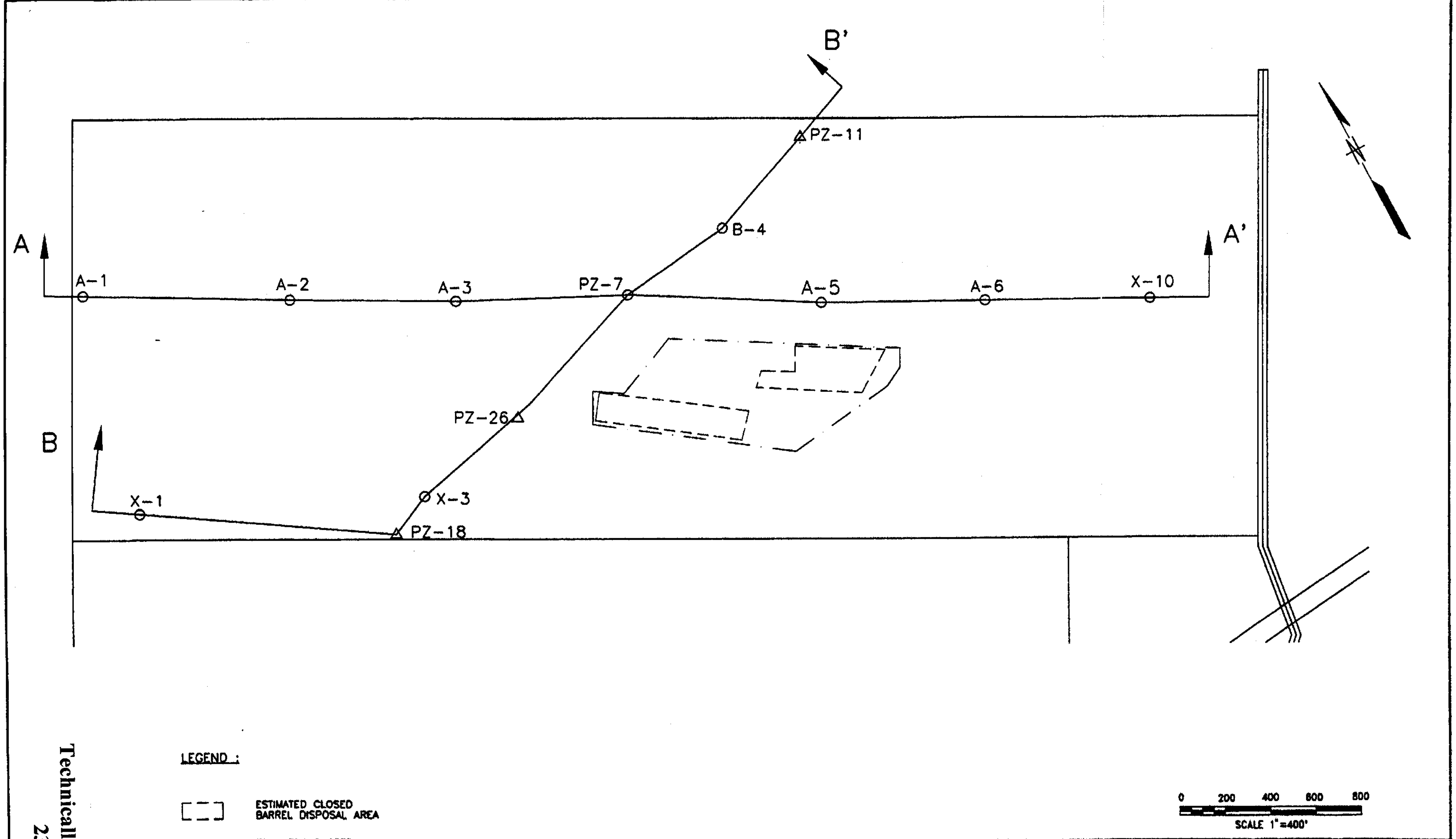
Table 2: Recommended Monitoring Well System
Showing Gradient of Wells in Relation to Area Landfills

Well ID*	ACL**	BFI***	County Lf****
MW-1B (PZ-15)	D	NA	NA
MW-2B (PZ-16)	D	NA	NA
MW-20	D	NA	NA
MW-21	D	NA	U
MW-5A (PZ-21)	U	NA	NA
MW-19	D	NA	NA
MW-11 (PZ-18)	D	NA	U
MW-12 (PZ-17)	D	NA	U
MW-13 (PZ-24)	D	D	NA
MW-15 (PZ-22)	U	D	NA

* Well label followed by current piezometer label
** Austin Community Landfill
*** BFI/Sunset Farms Landfill
**** Travis County Landfill (closed)

U = upgradient
D = downgradient
NA = not applicable



LEGEND :

[ ] ESTIMATED CLOSED BARREL DISPOSAL AREA

[ ] ESTIMATED CLOSED INDUSTRIAL WASTE AREA

RUST ENVIRONMENT & INFRASTRUCTURE
NOVEMBER 1994 (MODIFIED APRIL 1995)
Project: 72060.100
CADD File: N:\72060\2060PZ1.DWG

AUSTIN COMMUNITY RECYCLING AND DISPOSAL FACILITY
AUSTIN, TRAVIS CO. TEXAS

CROSS SECTION PLAN

FIGURE 1

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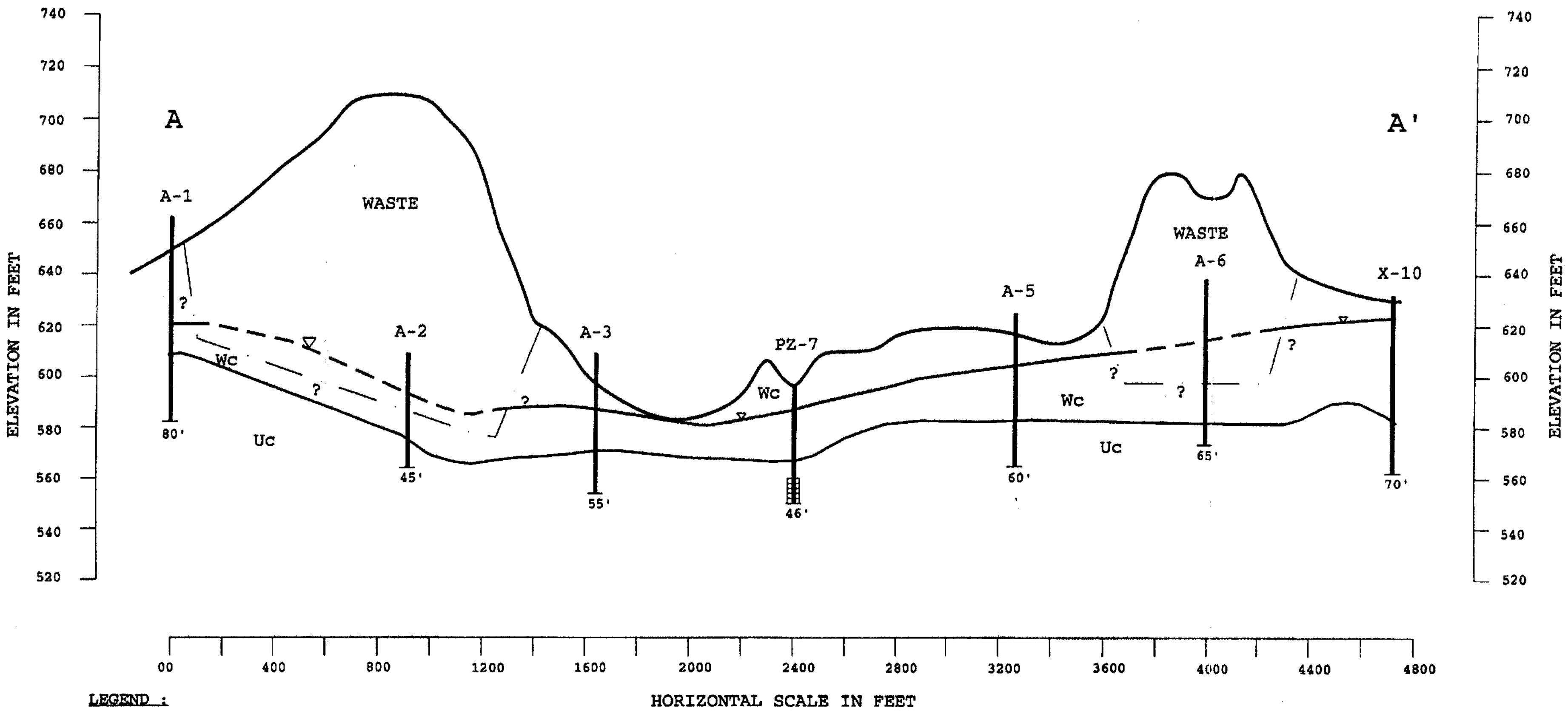
2331



LEGEND :

▽ GROUND WATER ELEVATION OBSERVATION (08/11/94) (ELEVATION TAKEN FROM FIGURE 4A)

— —▽— — GROUND WATER LEVEL DASHED WHERE ESTIMATED BECAUSE OF LACK OF CONTROL POINTS, AND BECAUSE OF INTERSECTION WITH WASTE UNIT BOUNDARY.

Wc WEATHERED CLAY

Uc UNWEATHERED CLAYSTONE

SCREENED INTERVAL

? — —? APPROXIMATE EXTENT OF WASTE TAKEN FROM McBRIDE-RATCLIFF AND ASSOCIATES INC. REPORT, 1992.

NOTES:

GEOLOGY TAKEN FROM RUST E&I-HOUSTON CROSS SECTION AND FIGURE 5.

GROUND SURFACE ELEVATIONS FROM AN AERO-METRIC 1992 SURFACE TOPOGRAPHY MAP.

RUST ENVIRONMENT & INFRASTRUCTURE
NOVEMBER 1994 (MODIFIED APRIL 1995)
Project: 72060
CADD File: 72060\2060F105.DWG

AUSTIN COMMUNITY RECYCLING AND DISPOSAL FACILITY
AUSTIN, TRAVIS CO. TEXAS

CROSS SECTION A-A'

FIGURE 2

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2332

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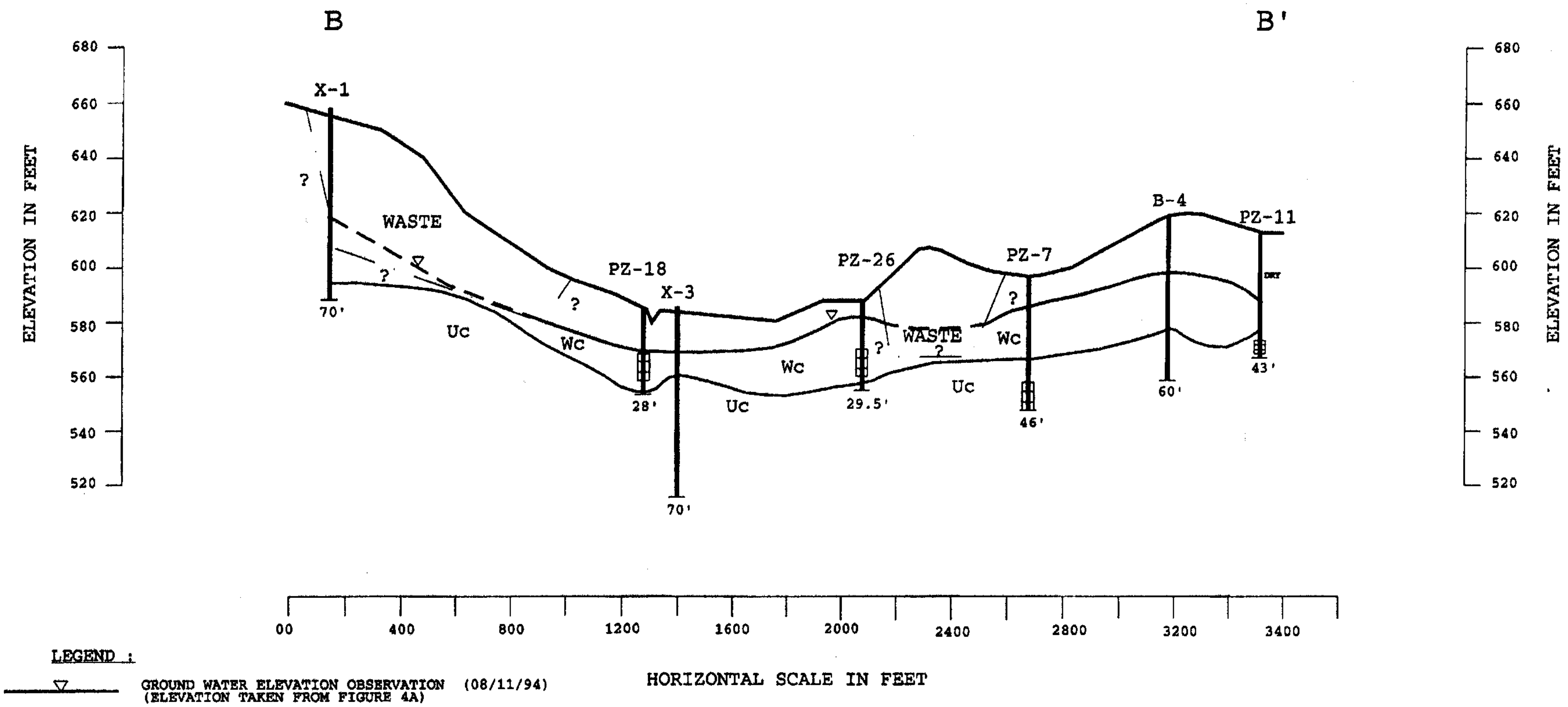

LEGEND :

▽ GROUND WATER ELEVATION OBSERVATION (08/11/94) (ELEVATION TAKEN FROM FIGURE 4A)

— —▽— — GROUND WATER LEVEL DASHED WHERE ESTIMATED BECAUSE OF LACK OF CONTROL POINTS, AND BECAUSE OF INTERSECTION WITH WASTE UNIT BOUNDARY.

Wc WEATHERED CLAY

Uc UNWEATHERED CLAYSTONE

SCREENED INTERVAL

? — — ? APPROXIMATE EXTENT OF WASTE TAKEN FROM McBRIDE-RATCLIFF AND ASSOCIATES INC. REPORT, 1992.

NOTES:

GEOLOGY TAKEN FROM RUST E&I-HOUSTON CROSS SECTION AND FIGURE 5.

GROUND SURFACE ELEVATIONS FROM AN AERO-METRIC 1992 SURFACE TOPOGRAPHY MAP.

RUST ENVIRONMENT & INFRASTRUCTURE
NOVEMBER 1994 (MODIFIED APRIL 1995)
Project: 72060
CADD File: 72060\2060F104.DWG

AUSTIN COMMUNITY RECYCLING AND DISPOSAL FACILITY
AUSTIN, TRAVIS CO. TEXAS

CROSS SECTION B-B'

FIGURE 3

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2333

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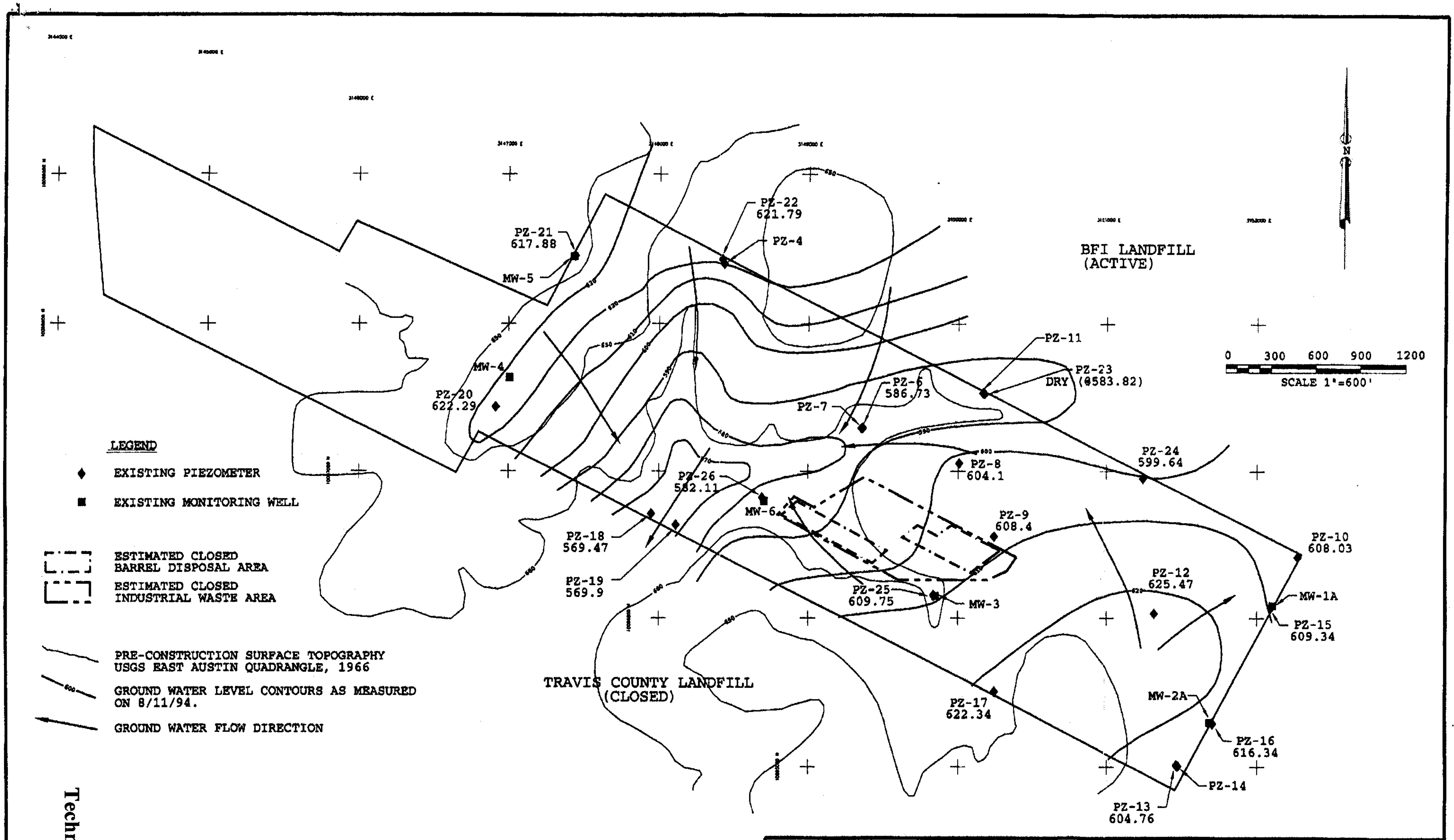

RUST ENVIRONMENT & INFRASTRUCTURE

APRIL 1995

Project: 72060.120

CADD File: 72060\2060F102.DWG

AUSTIN COMMUNITY RECYCLING AND DISPOSAL FACILITY
AUSTIN, TRAVIS CO. TEXAS

POTENTIOMETRIC SURFACE OF WEATHERED CLAY WITH EXISTING MONITORING WELL LOCATIONS

FIGURE 4A

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2334

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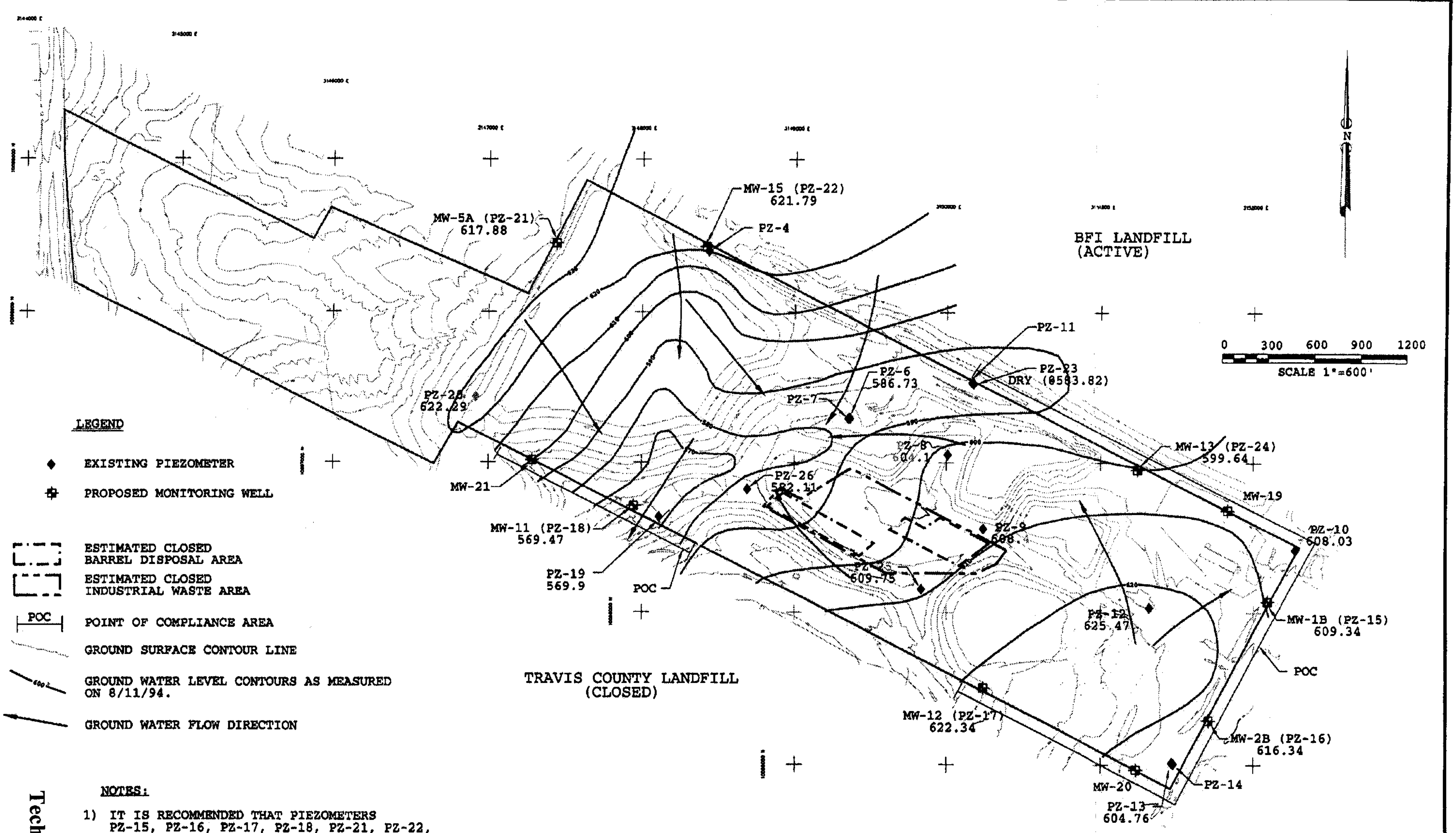

NOTES:

1) IT IS RECOMMENDED THAT PIEZOMETERS PZ-15, PZ-16, PZ-17, PZ-18, PZ-21, PZ-22, AND PZ-24 BE CONVERTED TO MONITORING WELLS.

RUST ENVIRONMENT & INFRASTRUCTURE

APRIL 1995
Project: 72060.120
CADD File: 72060\2050F103.DWG

AUSTIN COMMUNITY RECYCLING AND DISPOSAL FACILITY
AUSTIN, TRAVIS CO. TEXAS

RECOMMENDED MONITORING
WELL LOCATIONS

FIGURE 4B

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2335

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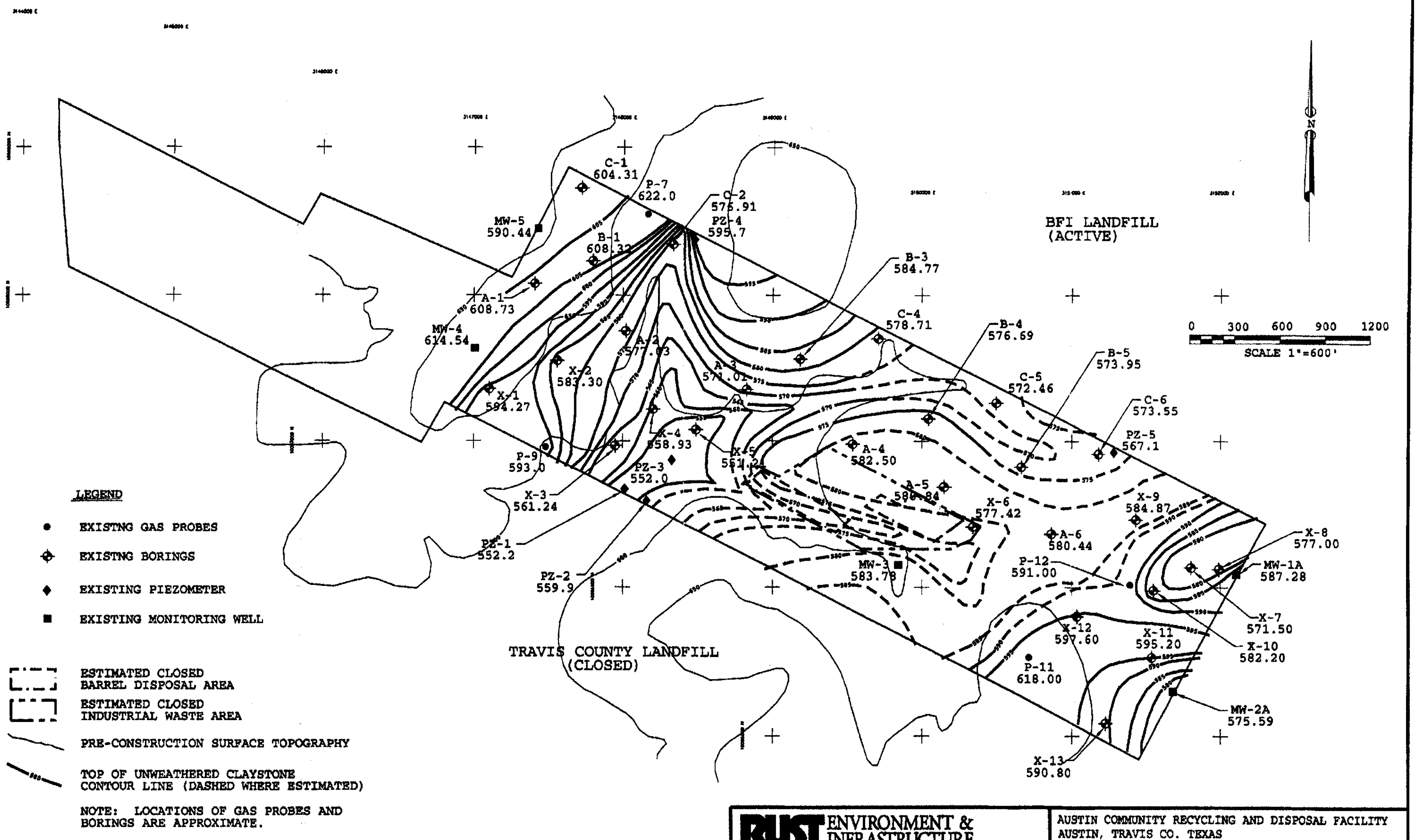

RUST ENVIRONMENT & INFRASTRUCTURE

APRIL 1995
Project: 72060.120
CADD File: 72060\2060F100.DWG

AUSTIN COMMUNITY RECYCLING AND DISPOSAL FACILITY
AUSTIN, TRAVIS CO. TEXAS

TOP OF UNWEATHERED
CLAYSTONE SURFACE

FIGURE 5

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2336

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Attachment 1

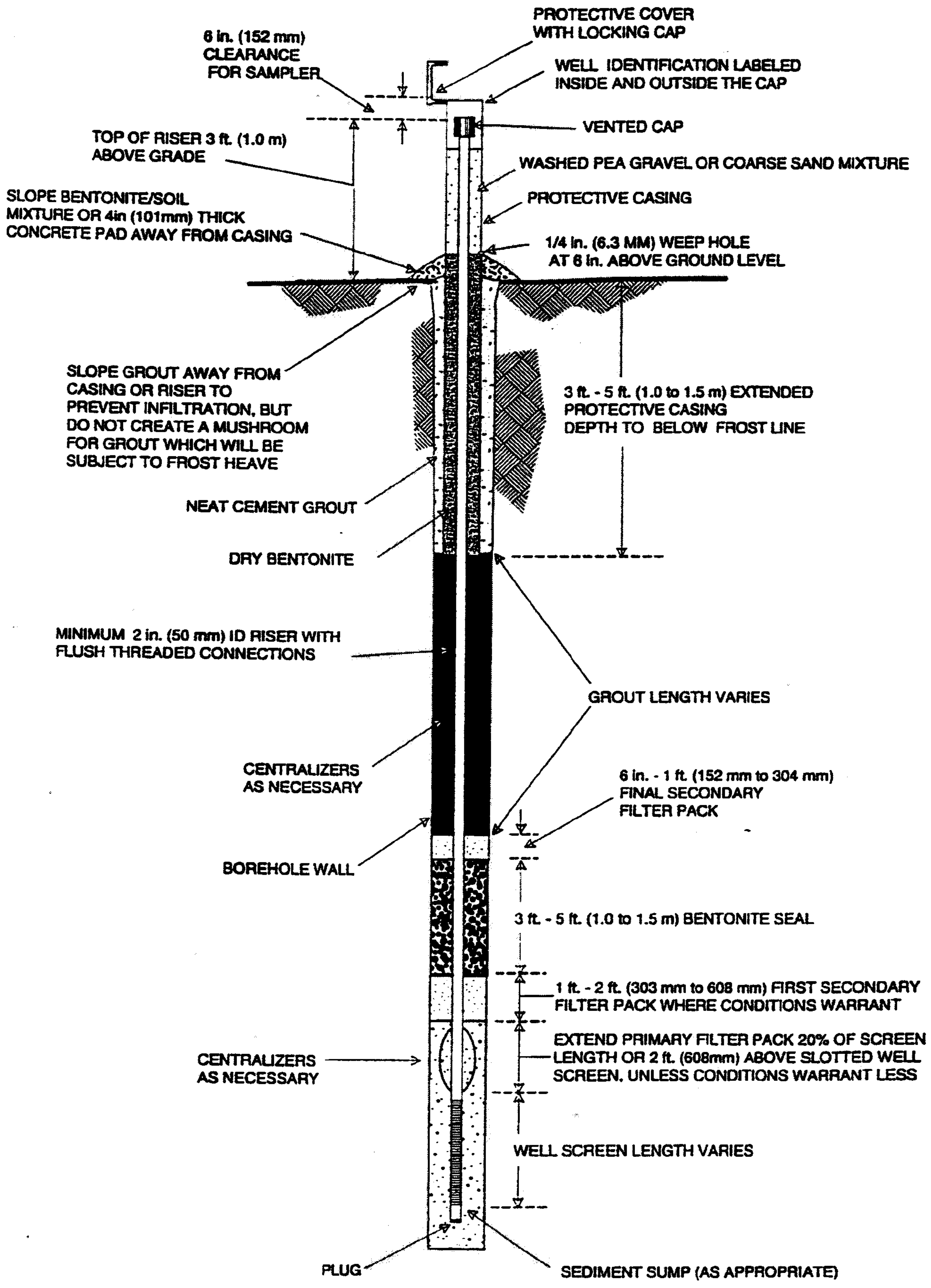

Figure 1. Well Design -- Single -Cased Well

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2338

MSW [illegible]

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

April 10, 1996

Mr. Rusty Fusilier, P.E.
Site Engineer/WMTX
Austin Community LF
9708 Giles Road
Austin, TX 78754

RE: Solid Waste - Travis County
WMI/Texas Waste Systems, Inc. - MSW Permit No. 249-C
Ground-Water Sampling and Analysis Plan
Ground-Water Monitoring System Design Report

Dear Mr. Fusilier:

On March 15, 1996, we received your "Response to TNRCC Comments on Groundwater Sampling and Analysis Plan" and "Response to TNRCC Comments on Groundwater Monitoring System Design Report." Both submittals were dated March 15, 1996, and signed by you.

We have reviewed the "Response to TNRCC Comments on Groundwater Sampling and Analysis Plan" (GWSAP) and the attached replacement pages and found them to be acceptable contingent on the acceptable submittal of the following correction:

Section 2.3 Calibration and Use of Meters, Paragraph 4, Sentence 3 -- "*If the recheck of the cooled standard . . .*" should be changed to "*If the standard . . .*" since text relating to the verification of the conductivity probe's temperature correction feature has been removed from the text.

Please provide a corrected replacement for page 3 of the GWSAP within 30 days of the date of this letter. After this modification is made, the facility will have a GWSAP that is in compliance with 30 TAC §330.233, and a copy of the final document should be placed in the site operating record.

We have also completed the review of the "Response to TNRCC Comments on Groundwater Monitoring System Design Report" and the attached revised report and find them to be acceptable. Please be advised that in accordance with 30 TAC §330.231(e), a ground-water monitoring system design certification should be submitted to our office and signed by a qualified ground-water scientist. A copy of the approved certification must be placed in the site operating record.

Prior to well installation, a request for a Class I modification to the Site Development Plan should also be submitted to Mr. Michael Graeber, Permits Section, Municipal Solid Waste Division, detailing the additions and modifications to the ground-water monitoring system and outlining the schedule for the installation of the three additional monitoring wells. We request that you also notify our office at least one week prior to the start of any drilling activities so that we may observe some of the well drilling and installation activities.

Within 30 days of the completion of the new monitoring wells, details of their construction shall be submitted to our office and should include detailed geologic logs, a description of well development procedures, Monitor Well Data Sheets (Form MSWD-SE67), and copies of the State of Texas Well Reports (Form TNRCC-0199). After the installation of the system and in accordance with 30 TAC §330.230(c) and §330.230(c)(2), a qualified ground-water scientist should certify that the installed ground-water monitoring system is in compliance with 30 TAC §330.231 and the facility is in compliance with all ground-water monitoring requirements of 30 TAC §§330.231-330-235.

If you have any questions about these matters, please call Mr. Todd Council, Geologist, Ground-Water Monitoring Team, at (512) 239-6093.

Sincerely,

Ada Lichaa

Ada Lichaa, Team Leader
Ground-Water Monitoring Team, Municipal Solid Waste Division

AAL/TAC

cc: TNRCC Region 11 Office - Chris Smith

[redacted]

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

A Waste Management Company

96 APR 23 PM 4:57

[illegible]

April 23, 1996

Ms. Ada Lichaa, Leader
MC 124
Ground-Water Monitoring Team
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P. O. Box 13087
Austin, TX 78711-3087

SUBJECT: Municipal Solid Waste - Travis County
Austin Community Landfill - Permit No. MSW 249-C
Submittal of Groundwater Monitoring System Design Certification

Dear Ms. Lichaa:

On behalf of Waste Management of Texas, Inc., enclosed is a certification of the ground water monitoring system design for the subject facility. This certification applies to the groundwater monitoring system design contained in the Groundwater Monitoring System Design Report (GWMSDR) submitted to the Texas Natural Resource Conservation Commission (TNRCC) on March 15, 1996. The TNRCC indicated acceptance of this GWMSDR in a letter dated April 10, 1996. The enclosed certification is provided in accordance with the requirements of 30 TAC 330.231(e).

As required by 30 TAC 330.113(c) of TNRCC rules, please be advised that this letter with enclosure is being placed in the operating record for the subject facility in accordance with the requirements of 30 TAC 330.113(a) and/or (b). Also, as required, this letter with enclosure is submitted in triplicate.

If you have any questions or comments regarding the enclosed certification, please contact me at telephone number (512) 272-9372 in Austin.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier

Rusty Fusilier, P.E.
Environmental Engineer

RF/rf (4.1.2)
Enclosure

cc w/enclosure: Sonny Santillippo
Johnny Williams (OR-4.1.2)
Emmett Hudson, RUST

cc w/o enclosure: Neil Mohr
Mike Ray, RUST
John Geiger, RUST

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2341

[illegible]

RUST Rust Environment & Infrastructure Inc.

A Rust International Company
1240 East Diehl Road
Naperville, IL 60563

Phone 708 955 6600
Fax 708 955 6601

April 23, 1996

Director
Texas Natural Resources Conservation
Commission
Municipal Solid Waste Division
P. O. Box 13087, Capitol Station
Austin, TX 78711-3087

RE: Solid Waste - Travis County, Austin Community Landfill - MSW Permit No. 249-C
Ground Water Monitoring System Design Certification

Director:

A review of the adequacy of the Ground Water Monitoring System at the referenced site has been completed. The review consisted of an evaluation of the geologic/hydrogeologic conditions at the site as well as the requirements set forth in 30 Texas Administrative Code, Chapter 330, Subchapter I, Section 330.231, Ground Water Monitoring Systems. The plan for the monitoring system and all supporting data has been submitted to the Texas Natural Resources Conservation Commission (TNRCC).

Based on a review of the site's hydrogeologic characteristics and the groundwater monitoring system design, as proposed in the Groundwater Monitoring System Design Report dated March 15, 1996, for Austin Community Landfill, the proposed design satisfies all the requirements set forth in Section 330.231 and will provide appropriate detection ground water monitoring of the facility.

Signature

Martin Sara, Principal Hydrogeologist
RUST Environment & Infrastructure
Name and Title

Technically Complete
2342

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

A Waste Management Company

96 APR 26 PM 4:56

April 23, 1996

Susan H. Janek, P.E., Manager
Permits Section
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P. O. Box 13087
Austin, Texas 78711-3087

SUBJECT: Municipal Solid Waste - Travis County
Austin Community Landfill - Permit No. MSW 249-C
Class I Permit Modification - Groundwater Monitoring System Design

Dear Ms. Janek:

On behalf of Waste Management of Texas, Inc., I am requesting approval of a Class I modification of the Site Development Plan for the subject facility to install and utilize a new groundwater monitoring system. This request is made in accordance with the provisions of 30 TAC 305.70(i) since the modification is minor in nature and does not substantially alter permit conditions or reduce the capacity of the facility to protect human health and the environment. The system design was provided in the Groundwater Monitoring System Design Report submitted to the Texas Natural Resource Conservation Commission (TNRCC) on March 15, 1996, and accepted by the TNRCC in a letter dated April 10, 1996. Provided below is information which details the groundwater monitoring system modifications and which gives a schedule for installation of additional wells.

Groundwater Monitoring System Modifications

The current groundwater monitoring system consists of six monitoring wells (MW-1A, MW-2A, MW-3, MW-4, MW-5, and MW-6). These wells were installed in the early 1980's. Because of well construction and locations, it became necessary to upgrade the monitoring system by replacement of these wells. The system design approved by the TNRCC consists of two upgradient monitoring wells (MW-5A and MW-15) and eight downgradient wells (MW-1B, MW-2B, MW-11, MW-12, MW-13, MW-19, MW-20, and MW-21) as shown on the enclosed map. Several of these wells (MW-1B, MW-2B, MW-5A, MW-11, MW-12, MW-13, and MW-15) were installed as piezometers, but to well specifications, during a supplemental hydrogeological investigation. Therefore, only three wells proposed in the system design remain to be installed.

Groundwater Monitoring Well Installation Schedule

As noted above, the majority of wells that will be part of the monitoring system have already been installed. At this time, installation of MW-20 and MW-21 within 60 days of approval of this Class I modification request is proposed. Upon installation of MW-20 and MW-21, quarterly background monitoring in accordance with the Groundwater Sampling and Analysis Plan will commence for those two wells plus MW-2B, MW-5A, MW-11, MW-12, MW-13, and MW-15. Installation of MW-19 is proposed to be delayed until two years prior to waste disposal operations progessing into the eastern area of the facility (i.e., the area east of a line

[illegible]

drawn from MW-2B to MW-13) since, until that occurs, this well will not function as a downgradient well to a disposal unit. For the same reason, MW-1B will not be included in the groundwater sampling schedule until two years prior to operations progressing into the eastern area. The two-year period will allow adequate time to collect background samples from these wells prior to waste disposal in their vicinity.

As required by 30 TAC 330.113(c), please be advised that this letter with enclosure is being placed in the operating record for the subject facility in accordance with the requirements of 30 TAC 330.113(a) and/or (b). Also, as required, this letter with enclosure is submitted in triplicate.

Your consideration of this request as a Class I modification is appreciated. If you have any questions regarding this matter, please contact me at telephone number (512) 272-9372 in Austin.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier

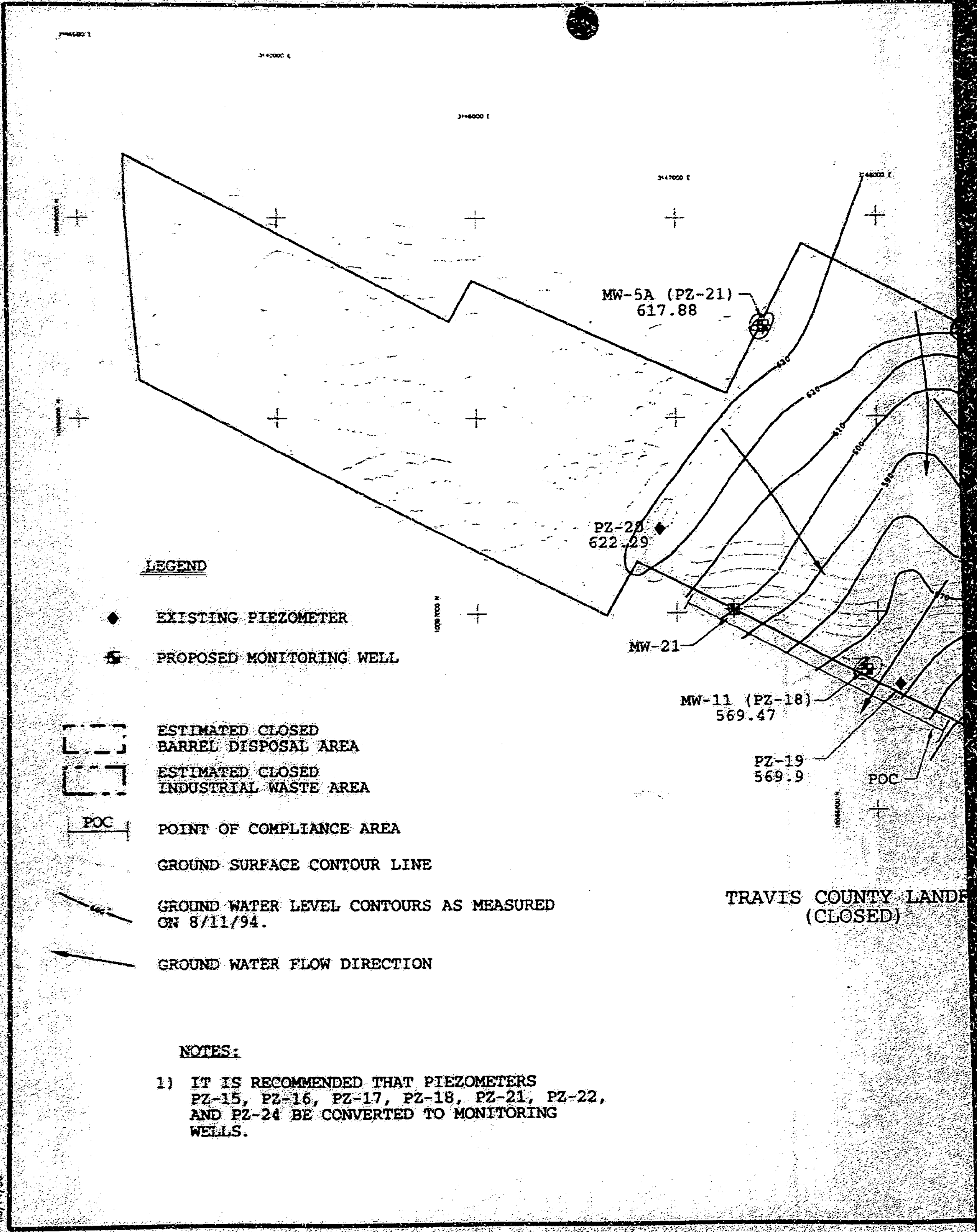
Rusty Fusilier, P.E.
Environmental Engineer

RF/rf (9.4)
Enclosure

cc w/enclosure:	Sonny Sanfilippo Johnny Williams (OR-9.4)
cc w/o enclosure:	Todd Council, TNRCC/MSW Division Emmett Hudson, Rust Mike Ray, Rust John Geiger, Rust

[illegible]

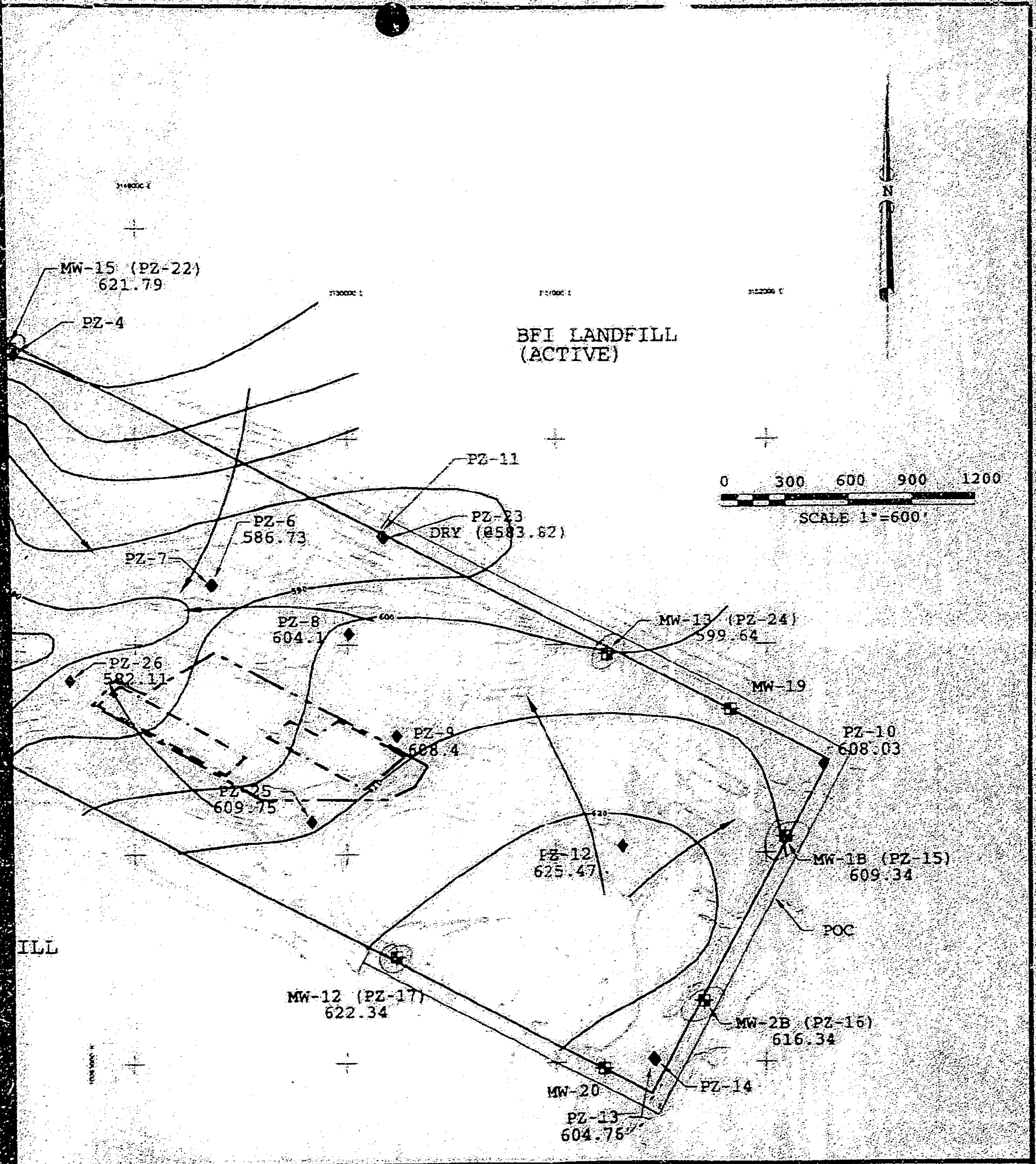
Technically Complete
2344



NOTES:

1) IT IS RECOMMENDED THAT PIEZOMETERS PZ-15, PZ-16, PZ-17, PZ-18, PZ-21, PZ-22, AND PZ-24 BE CONVERTED TO MONITORING WELLS.

Technically Complete
2345



RUST ENVIRONMENT & INFRASTRUCTURE

APRIL 1995

Project 72060.120

CADD File: 72060\2060FIG3.DWG

AUSTIN COMMUNITY RECYCLING AND DISPOSAL FACILITY
AUSTIN, TRAVIS CO. TEXAS

RECOMMENDED MONITORING
WELL LOCATIONS

FIGURE 4B

Technically Complete
2346

Texas Natural Resource Conservation Commission

INTEROFFICE MEMORANDUM

TO: Ada Lichaa, Team Leader
Ground-Water Monitoring Team

FROM: Susan Janek, P.E.
MSW Permits

RE: MSW Permit No. 249C
WMT - Austin Community Landfill

DATE: April 30, 1996

Attached is a request to install and utilize a new groundwater monitoring system for the above-refernced facility. This is based on earlier characterization work that was submitted on March 16, 1996. Todd Council was the reviewer.

We have 60 days from the receipt date to review this permit modification. Please try to have the review completed prior to June 26, 1996. Thanks!

✓cc: Mike Graeber, P.E.

Please send to Mike Graeber and place it on Permit Mod. Screening Committee.

Thanks!
SJ

Technically Complete
2347

Texas Natural Resource Conservation Commission

INTEROFFICE MEMORANDUM

To: Mike Graeber
MSW Permits Section

Date: May 10, 1996

Thru: Ada Lichaa, Team Leader A.L.
MSW Ground-Water Monitoring Team

From: Todd Council, Geologist TC 5/9/96
MSW Ground-Water Monitoring Team

Subject: MSW Permit No. 249-C
WMI - Austin Community Landfill
Class I Modification - Ground-Water Monitoring System Design

On April 26, 1996, the Municipal Solid Waste Division, Permits Section received a Class 1 Modification Request to convert piezometers, PZ-15, PZ-16, PZ-17, PZ-18, PZ-21, PZ-22, and PZ-24, to ground-water monitoring wells with the following IDs: MW-1B, MW-2B, MW-12, MW-11, MW-5A, MW-15, and MW-13, respectively. The modification request also proposed the addition of three newly installed wells, MW-19, MW-20, and MW-21, to the ground-water monitoring system. The request was forwarded to the Ground-Water Monitoring Team for technical review.

We have completed the review of the request and find it to be acceptable. We understand that the installation of well MW-19 will be delayed until two years prior to the development of the northeast portion of the facility.

Please contact me at 239-6093 if you have any other questions concerning ground water monitoring issues at this facility.

cc: Susan Janek, P.E.

[illegible]249

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

May 10, 1996

Mr. Rusty Fusilier, P.E.
Site Engineer/WMTX
Austin Community LF
9708 Giles Road
Austin, TX 78754

RE: Solid Waste - Travis County
WMI/Texas Waste Systems, Inc. - MSW Permit No. 249-C
Ground-Water Monitoring System Design Certification
Ground-Water Sampling and Analysis Plan

Dear Mr. Fusilier:

On April 26, 1996, we received your "Submittal of Groundwater Monitoring System Design Certification" and "Response to TNRCC Comment on Groundwater Sampling and Analysis Plan." The cover letters were dated April 23, 1996, and April 26, 1996, respectively, and signed by you. The Groundwater Monitoring System Design Certification was dated April 23, 1996, and signed by Mr. Martin Sara, Principal Hydrogeologist, Rust Environment & Infrastructure.

We have completed the review of the "Submittal of Groundwater Monitoring System Design Certification" and find it to be acceptable. A copy of the approved certification must be placed in the site operating record. We request that you also notify our office at least one week prior to the start of any drilling activities so that we may observe some of the well drilling and installation activities.

Within 30 days of the completion of the new monitoring wells, details of their construction shall be submitted to TNRCC and should include detailed geologic logs, a description of well development procedures, Monitor Well Data Sheets (Form MSWD-SB67), and copies of the State of Texas Well Reports (Form TNRCC-0199). After the installation of the system and in accordance with 30 TAC §330.230(c) and §330.230(c)(2), a qualified ground-water scientist should certify that the installed ground-water monitoring system is in with 30 TAC .231 and the facility is in compliance with all ground-water monitoring requirements of 30 TAC §§330.231-330-235.

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000
printed on recycled paper using soy-based ink

We have reviewed the "Response to TNRCC Comments on Groundwater Sampling and Analysis Plan" (GWSAP) and the attached replacement page and find them to be acceptable. *The facility now has a GWSAP that is in compliance with 30 TAC §330.233, and a copy of the final document should be placed in the site operating record.*

If you have any questions about these matters, please call Mr. Todd Council, Geologist, Ground-Water Monitoring Team, at (512) 239-6093.

Sincerely,

Ada Lichaa

Ada Lichaa, Team Leader
Ground-Water Monitoring Team, Municipal Solid Waste Division

AAL/TAC

cc: TNRCC Region 11 Office - Chris Smith

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

May 15, 1996

Mr. Rusty Fusilier, P.E.
Waste Management of Texas, Inc.
9708 Giles Road
Austin, TX 78754

Subject: Municipal Solid Waste - Travis County
WMT/Austin Community Landfill - Permit No. MSW-249C
0.2 Mile N of US-290, W of Giles Road

Dear Mr. Fusilier:

This is in response to your letter, dated April 23, 1996, requesting a modification to the Site Development Plan (SDP) of the subject permit. The requested modification is changes to the ground water monitor well system by replacing the 6 existing wells with 10 new wells. The request indicates that 7 of the new wells were installed as piezometers and will be converted to monitor wells as a part of this modification. The request also proposed a schedule for installation and of the other 3 wells and sampling of all the wells. The request did not indicate what would happen to the 6 existing wells. The request has been reviewed and was found to be acceptable. The modification for changes in the ground water system are hereby approved as a Class I Modification to the SDP of Permit No. MSW-249C in accordance with 30 Texas Administrative Code (TAC) Section (§) 305.70(i), subject to submission of information concerning the 6 existing ground water monitor wells to be replaced.

If you have any questions concerning this letter or if we may be of any assistance to you regarding municipal solid waste, you may contact Mr. Michael D. Graeber, P.E., at MC-124, P.O. Box 13087, Austin, Texas 78711; telephone number (512) 239-6671.

Sincerely,

Susan H. Janek

Susan H. Janek, P.E., Manager
Permits Section
Municipal Solid Waste Division

SHJ/MDG/ff

cc: TNRCC Region 11
Austin-Travis County Health Department

Technically Complete
2351

ACL-4.4.
6/12/96

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

A Waste Management Company

June 12, 1996

Susan H. Janek, P.E., Manager
MC 124
Permits Section
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P. O. Box 13087
Austin, Texas 78711-3087

96 JUN 13 AM 9:45
SOLID WASTE MGMT.

SUBJECT: Municipal Solid Waste - Travis County
Austin Community Landfill - Permit No. MSW 249-C
Groundwater Monitoring System

Dear Ms. Janek:

On behalf of Waste Management of Texas, Inc., I am writing in response to your letter dated May 15, 1996, in which you requested clarification on what would happen to the six existing groundwater monitoring wells at the subject facility (i.e., MW-1A, MW-2A, MW-3, MW-4, MW-5, and MW-6). These wells are being replaced by the eight-well groundwater monitoring system design approved as a Class I modification in your May 15th letter. Although the existing wells are not part of the approved groundwater monitoring system design, we propose to leave these wells in place except for MW-5 which is damaged. These wells are not constructed appropriately to provide representative groundwater samples for analysis but can serve as locations for intermittent monitoring of groundwater elevations in the future. These wells are in generally good condition and are located so as not to be in the way of current landfilling activities. Due to concerns about its integrity, MW-5 will be plugged. A plugging report will be submitted to the Texas Natural Resource Conservation Commission (TNRCC).

As required by 30 TAC 330.113(c) of TNRCC rules, please be advised that this letter is being placed in the operating record for the subject facility in accordance with the requirements of 30 TAC 330.113(a) and/or (b). Also, as required, this letter with enclosure is submitted in triplicate.

Please contact me at telephone number (512) 272-9372 in Austin if you have any questions regarding this matter.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier

Rusty Fusilier, P.E.
Environmental Engineer

RF/gs (4.1.2)

cc: Jim Nelson
Johnny Williams (OR-4.1.2)
Neil Mohr

(wpdocs\rusty\960612-1.wrf)

Technically Complete
2352

ACL-4.1.
7/23/96

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

A Waste Management Company

July 23, 1996

96 JUL 24 AM 8:48
SOLID WASTE MGMT.

Ms. Ada Lichaa, Leader
MC 124
Ground-Water Monitoring Team
Ground-Water Section
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P. O. Box 13087
Austin, Texas 78711-3087

SUBJECT: Municipal Solid Waste - Travis County
Austin Community Landfill - Permit No. MSW 249-C
Groundwater Monitoring System Installation Report

Dear Ms. Lichaa:

On behalf of Waste Management of Texas, Inc., I am submitting the enclosed report documenting the installation of two groundwater monitoring wells at the subject facility. These wells were installed in general accordance with the requirements of the Texas Natural Resource Conservation Commission (TNRCC) approved *Groundwater Monitoring System Design Report* (revised March 1996). These wells (MW-20 and MW-21), in combination with six existing piezometers which are being converted to wells (PZ-16/MW-2B, PZ-17/MW-12, PZ-18/MW-11, PZ-21/MW-5A, PZ-22/MW-15, and PZ-24/MW-13), provide a system adequate for monitoring the active portion of the facility. Additional wells will be added to the system in advance of waste disposal operations moving into other portions of the facility (i.e., the northeast area of the active portion of the facility and the western expansion area).

The enclosed report includes a narrative description of the installation of the new wells, well construction logs, a well location map, and monitor well data sheets . This report should fulfill the requirements of 30 TAC 330.231(d). In addition, a certification of the groundwater monitoring system, as required by 30 TAC 330.230(c) is included in the narrative. I have also enclosed copies of the monitor well data sheets for the piezometers which have been converted to monitoring wells. Construction logs for these wells were provided in the piezometer installation report submitted to the TNRCC on March 17, 1995.

As required by 30 TAC 330.113(c) of TNRCC rules, please be advised that this letter with enclosures is being placed in the operating record for the subject facility in accordance with the requirements of 30 TAC 330.113(a) and/or (b). Also, as required, this letter with enclosures is submitted to the TNRCC in triplicate.

Please be sure to contact me at telephone number 272-9372 or Emmett Hudson, C.P.G., at telephone number 474-5500 if you have any questions or comments regarding the enclosed report.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier

Rusty Fusilier, P.E.
Environmental Engineer

RF/rf (4.1.2)
Enclosures

cc w/enclosures: Jim Nelson
Johnny Williams (OR-4.1.2)

cc w/o enclosure: Neil Mohr
Emmett Hudson, Rust Environment & Infrastructure

Technically Complete
2353

(wpdoc\rusty\960723-1.wrf)

Printed on recycled pape

a Division of Waste Management of Texas, Inc.

RUST LICHLITER/JAMESON

Environment & Infrastructure
Consulting Engineers, Scientists and Planners

811 Barton Springs Road, Suite 400
Austin, TX 78704-1164
Tel. (512) 474-5500
FAX (512) 474-6325

July 18, 1996

Mr. Rusty Fusilier, P.E.
Waste Management of Texas
9708 Giles Road
Austin, Texas 78754

RE: Monitoring Well Installation
Austin Community Landfill
Permit No. MSW 249-C
Rust E&I Project No. 69020.100

Dear Rusty:

The installation of two monitoring wells, MW-20 and MW-21 was conducted at the Austin Community Landfill (ACL), Austin, Texas, June 11-12, 1996. The installation of the wells was performed by Texas licensed water well drillers Jack Holt & Associates, Inc., Austin, Texas (License No. 3023M).

A Rust Environment & Infrastructure (Rust) hydrogeologist/Certified Professional Geologist (C.P.G.) provided oversight of the installations as well as the logging of the boreholes and preparation of the construction summaries.

The monitoring wells were installed in general accordance with the Texas Natural Resource Conservation Commission (TNRCC) approved *Ground Water Monitoring System Design Report* (GWMSDR) for Austin Community Landfill, revised March, 1996 and in accordance with 30 TAC 330.242, the Texas Water Well Drillers Board guidelines and rules, the American Society for Testing and Materials (ASTM) D5092, and the Waste Management Site Assessment Manual, Appendix A. The total depth of each well and screened interval were specified on site by the Rust hydrogeologist in accordance with the GWMSDR. The drill rig employed was a CME-55 utilizing dry hollow-stem auger (HSA) methods. The well bore holes were drilled with 6.62-inch O.D. HSAs. Dry drilling methods were employed with continuous sampling using a five-foot, core-barrel system or a two-foot split spoon. The soil core samples were identified and described manually and visually in the field using the ASTM D2488 classification system. This information was recorded on the Soil Borehole Logs for each boring.

The wells were constructed of two-inch, Schedule 40, PVC flush-thread riser and .010-inch, factory slotted well screen. Colorado Silica filter sand (20-40 grade) was placed into the annulus to two feet above the slotted screened interval. A three foot bentonite seal was placed above the filter pack and allowed to hydrate with the addition of distilled water before the remaining annular space was filled with a Portland Type I cement-bentonite grout to within two feet of the ground surface. Confirmation

Technically Complete

of depths of the well materials was accomplished with a weighted fiberglass tape. The augers were throughly decontaminated by steam cleaning immediately prior to the drilling of each borehole.

Concrete pads were constructed after the completion of the well installations. The pads were constructed six-inch thick and six-feet square at the base of the riser with steel re-enforcement.. Five-foot in length by four -inch diameter round anodized aluminum locking well covers were placed over the riser approximately two feet into the cement. Construction details are shown in the Monitoring Well Construction Summary for each installation.

Monitoring well MW-21 was developed by over-pumping June 21, 1996 with a dedicated pneumatic bladder pump. The well ran dry before pH, specific conductivity, and temperature readings of the ground water could be obtained. However, the water which was removed is considered formation water as the well was installed dry and the water was consistently clear throughout pumping. Details of the monitoring well development are found in the attached Monitor Well Construction summary logs. MW-20 was dry during and after drilling and was not developed at this time.

MW-20 and MW-21 were located in general accordance with Figure No. 4B of the Austin Community Landfill GWMSDR and both serve as Point Of Compliance (P.O.C.) monitoring points. Each monitoring well was surveyed by a Rust surveyor to determine location, ground surface elevation, and elevation of the metal protective collar..

Piezometers which were completed and developed to ground-water monitoring well standards in the spring of 1994 will now become monitoring wells as part of the ground-water monitoring system. These piezometers with the corresponding monitoring well designations are as follows: PZ-15 / MW-1B, PZ-16 / MW-2B, PZ- 17 / MW-12, PZ-18 / MW-11, PZ-21/ MW-5A, PZ-22 / MW-15, and PZ-24/ MW-13. These wells were developed once again June 24, 1996 by over-pumping with dedicated pneumatic bladder pumps. The well water in each well appeared perfectly clear during the duration of the pumping of three well volumes of water or until the well was pumped dry.

Details of the soil borehole logs, monitoring well construction summaries, and the drillers well reports and logs are attached. The original copies of the drillers well reports were submitted to the Texas Water Well Drillers Board by the drillers.

It is my professional opinion, the above ground-water monitoring system has been constructed in substantial accordance with the TNRCC- approved GWMSDR. This report was prepared , as required by 30 TAC 330.231, to provide a system consisting of "a sufficient number of wells, installed at appropriate locations and depths, to yield representative ground-water samples from the uppermost aquifer."

Please contact me at (512) 474- 5500 if you have any questions concerning the installation of the ground-water monitoring system at the Austin Community Landfill.

Regards,

Emmett C. Hudson

Emmett C. Hudson C.P.G. #8605
Rust Environment & Infrastructure

Technically Complete
2355

SOIL BOREHOLE LOG

SITE NAME AND LOCATION:

WMTX/AUSTIN COMMUNITY LANDFILL
9708 Giles Road
Austin, Texas 78754

DATUM: MSL

ELEVATION: 637.2

DRILLING METHOD: Hollow-stem auger

SAMPLING METHOD: 5 ft. core-barrel system, continuous

BORING NUMBER: **MW-20**

Sheet 1 of 1

WATER LEVEL	dry	dry	dry	dry
TIME	10:38	11:15	8:15	8:30
DATE	6/12/96	6/21/96	6/24/96	6/26/96
CASING DEPTH				

DRILLING	
START	FINISH
TIME	TIME
14:14	10:38
DATE	DATE
6/11/96	6/12/96

DRILL RIG: CM-55

ANGLE: vertical

BEARING:

SAMPLE HAMMER TORQUE: ft.-lbs.

SURFACE CONDITIONS:

DRILLING CONTRACTOR *Jack Holt & Associates*
Austin, Texas

DEPTH IN FEET *(ELEVATION)*	BLOWS/6" ON SAMPLER	RECOVERY	SYMBOL	DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FT ON CASING	TEST RESULTS: WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
1				Brown and dark gray CLAY, silty; slightly moist, stiff								
2												
3												
4												
5				Tan and gray mottled CLAY, silty; fractures @ 25.2 - selenite filled 29.3 slightly moist								
6												
7												
9												
10												
11												
12												
13												
14												
15												
16												
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22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
33				Black layer @ 33.1 - 33.9 ft.								
34												
35												
36												
37												
38				Gray CLAY; dry, fissile (unweathered claystone) (CH)								
39												
40												
41												
42												
43												
44				Total Depth at 43.5 ft. borehole converted to monitoring well								
45												

LOGGED BY *E. Hudson*

CHECKED BY

DATE *6/12/96*

Technically Complete

WELL No. MW-20

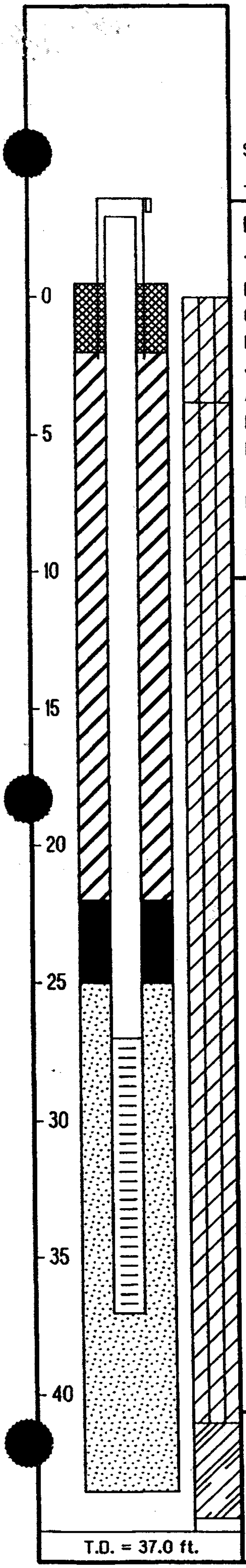
Boring No X-Ref. MW-20

MONITOR WELL CONSTRUCTION SUMMARY

Survey Coords N = 10,095,008.9901,
E = 3,151,229.1633

Elevation Ground Level 637.2

Pin Elevation 637.78 Top of Casing 640.19



Drilling Summary

Total Depth (ft): 37.0

Borehole Diameter (in): 6.62-inch

Casing Stickup Height (ft): 2.99

Driller: John Webb
Jack Webb & Associates,
Austin, Tx (License # 3023M)

Rig: CME-55

Bit (s): Hollow stem Auger

Drilling Fluid: NONE w/HSA

Protective Casing: locking 5' x 6" round Anodized Alum.

Well Design & Specifications

Basis: Geologic Log ☒ Geophysical Log ☐

Casing String (s): C = Casing S = Screen

Depth (ft)	String (s)	Elevation (MSL)
+3.67 - 1.33	C_1	640.87 -635.87
+2.99 - 27.0	C_2	640.19 -610.20
27.00 - 37.00	S_1	610.20 -600.20
-		-
-		-

Casing: C1 Round locking 5-ft x 6-in Anodized Aluminum (+3.67 - 1.33 feet)

Casing: C2 2-inch PVC, Sch.40, Flush Joint (+2.99 - 27.0 feet)

Screen: S1 2-inch PVC, Sch.40, .010-inch slotted (27.0-37.0 feet)

Casing: C3

Grout Seal: Bentonite-cement Grout (2-22 ft.)
Concrete (0 - 2 ft.)

Bentonite Seal: Bentonite granules (22-25 ft.)

Filter Pack: 20/40 Colorado Silica Sand (25-43.5 ft.)

Construction Time Log

6/12/96

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling HSA: 0 - 35 feet	6/11/96	9: 37	6/11/96	12: 51
Casing: S_1/C_2 2" PVC:	6/11/96	13: 06	6/11/96	13: 09
Filter Placement:	6/11/96	13: 12	6/11/96	13: 28
Cementing:	6/11/96	14: 36	6/11/96	14: 52
Development:				

Well Development

Well dry.

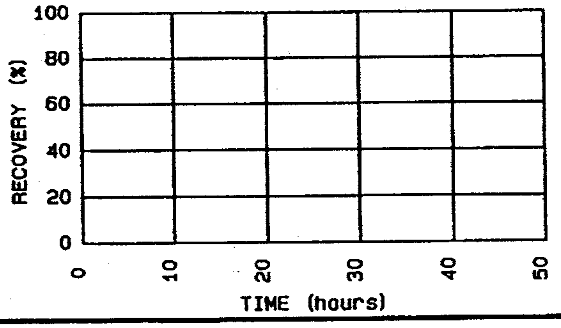
Stabilization Test Data

Time	pH	Spec. Cond.	Temp (C)

Recovery Data

Q =

S_0 =



Comments

All dates 1996

Technically Complete
2357

SITE NAME *Austin Community Landfill*

LOCATION *Austin, Texas*

SUPERVISED BY *Emmett Hudson*

CHECKED BY

DATE *6/12/96*

SOIL BOREHOLE LOG

SITE NAME AND LOCATION:

WMTX/AUSTIN COMMUNITY LANDFILL
9708 Giles Road
Austin, Texas 78754

DATUM: MSL

ELEVATION: 604.5

DRILLING METHOD: Hollow-stem auger

SAMPLING METHOD: 5 ft. core-barrel system, continuous

BORING NUMBER: **MW-21**

Sheet 1 of 1

WATER LEVEL	Dry	21.02		
TIME	12:50	15:28		
DATE	6/11/96	6/21/96		
CASING DEPTH		~33		

DRILLING	
START	FINISH
TIME	TIME
9:37	12:51
DATE	DATE
6/11/96	6/11/96

DRILL RIG: CM-55

SURFACE CONDITIONS:

ANGLE: vertical

BEARING:

SAMPLE HAMMER TORQUE: ft.-lbs.

DEPTH IN FEET *(ELEVATION)*	BLOWS/6" ON SAMPLER	RECOVERY	SYMBOL	DESCRIPTION OF MATERIAL	SAMPLER AND BIT	CASING TYPE	BLOWS/FT ON CASING	TEST RESULTS: WATER CONTENT %	LIQUID LIMIT %	PLASTIC LIMIT %	SPECIFIC GRAVITY	OTHER TESTS
1				Tan and brown CLAY, "fill" silty; stiff, slightly moist, (CH)								
2												
3												
4												
5												
6												
7				Tan and gray CLAY; moist fractures @ 9 ft., 11 ft., 14 ft., 15 ft., and 22 to 30 ft. (CH)								
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31				Gray CLAY; hard, dry, (unweathered claystone), (CH)								
32												
33												
34												
35												
36				Total Depth at 35.0 Borehole converted to monitoring well								
37												
38												
39												
40												

DRILLING CONTRACTOR *Jack Holt & Associates*
Austin, Texas

LOGGED BY *E. Hudson*

CHECKED BY

DATE *6/11/96*

Technically Complete
2358

WELL No. MW-21

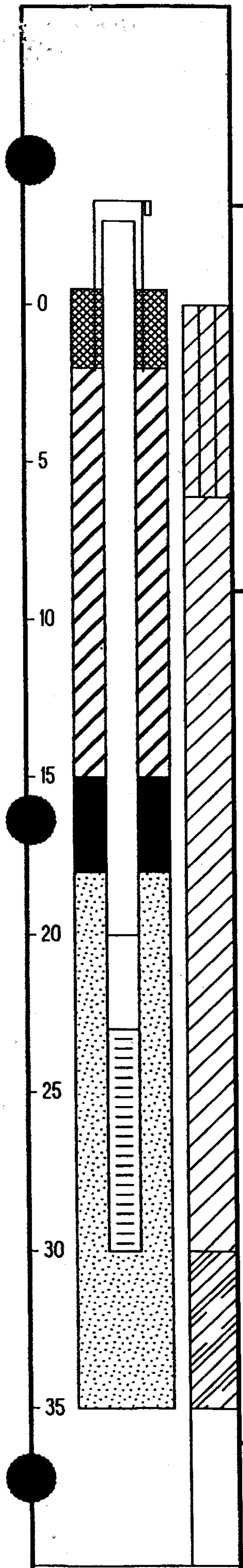
Boring No X-Ref. MW-21

MONITOR WELL CONSTRUCTION SUMMARY

Survey Coords N = 10,096976.3246,
E = 3,147,387.0179

Elevation Ground Level 604.5

Pin Elevation 604.74 Top of Casing 607.17



T.D. = 30.0 ft.

Drilling Summary

Total Depth (ft): 30.0

Borehole Diameter (in): 6.62-inch

Casing Stickup Height (ft): 2.67

Driller: John Webb
Jack Webb & Associates,
Austin, Tx (License # 3023M)

Rig: CME-55

Bit (s): Hollow stem Auger

Drilling Fluid: NONE w/HSA

Protective Casing: locking 5' x 6" round Anodized Alum.

Construction Time Log

6/11/96

Task	Start Date	Start Time	Finish Date	Finish Time
Drilling HSA: 0 - 35 feet	6/11/96	9: 37	6/11/96	12: 51
Casing: S_1/C_2 2" PVC:	6/11/96	13: 06	6/11/96	13: 09
Filter Placement:	6/11/96	13: 12	6/11/96	13: 28
Cementing:	6/11/96	14: 36	6/11/96	14: 52
Development:	6/21/96	15: 28	6/21/96	15: 45

Well Design & Specifications

Basis: Geologic Log ☒ Geophysical Log ☐

Casing String (s): C = Casing S = Screen

Depth (ft)	String (s)	Elevation (MSL)
+3.32 - 1.68	C_1	607.82 -602.82
+2.67 - 20.0	C_2	607.17 - 584.5
20.00 - 30.00	S_1	584.5 - 574.5
-		-
-		-

Casing: C1 Round locking 5-ft x 6-in Anodized Aluminum (+3.32 - 1.68 feet)

Casing: C2 2-inch PVC, Sch.40, Flush Joint (+2.67 - 20.0 feet)

Screen: S1 2-inch PVC, Sch.40, .010-inch slotted (20.0-30.0 feet)

Casing: C3

Grout Seal: Bentonite-cement Grout (2-15 feet)
Concrete (0 - 2 ft.)

Bentonite Seal: Bentonite granules (15-18 ft)

Filter Pack: 20/40 Colorado Silica Sand (18-35 feet)

Well Development

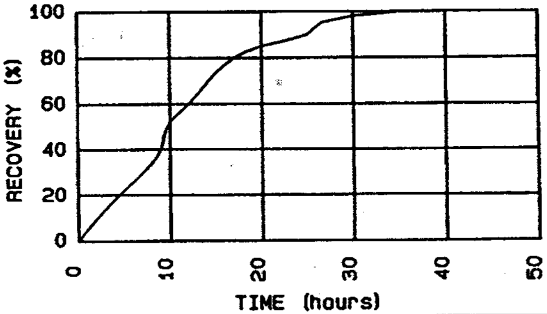
Over-pumping with well wizard. Well pumped dry.
Total purge: 6.5 gallons

Stabilization Test Data

Time	pH	Spec. Cond.	Temp (C)

Recovery Data

Q = S_0 =



Comments

All dates 1996

Technically Complete
2359

SITE NAME Austin Community Landfill
LOCATION Austin, Texas

SUPERVISED BY Emmett Hudson CHECKED BY
DATE 6/11/96

Monitoring Well No. MW-20

PROJECT: A.C.L.
DATE: 06/13/96
LOGGED BY: John Webb
DRILL RIG: CME 55, 3 1/4" Hollow Stem Auger
HOLE DIA.: 6 5/8" in.
SAMPLER: None
INITIAL GW DEPTH: FEET ft.
FINAL GW: ft.
HOLE ELEV.: N/A

DESCRIPTION

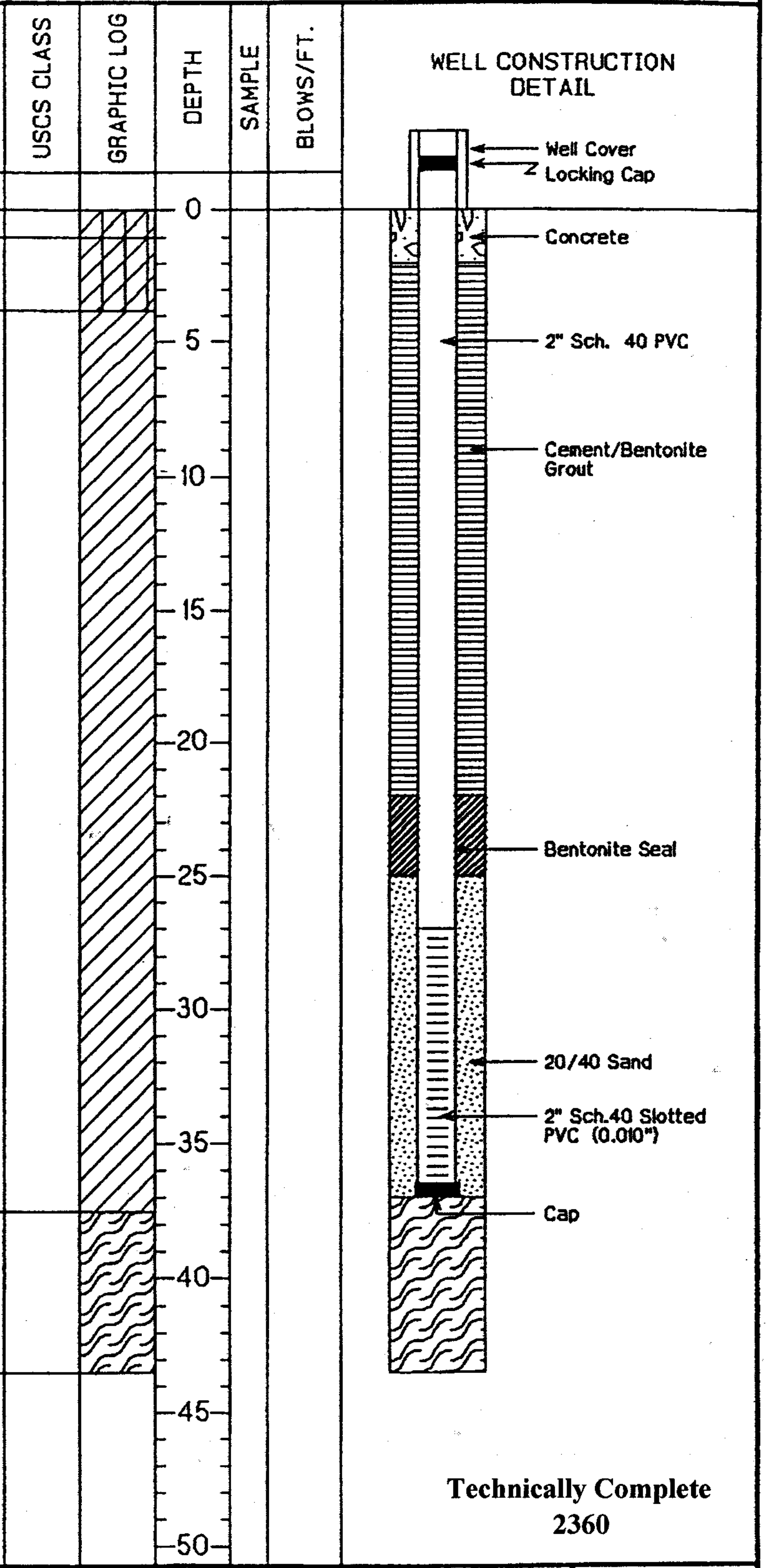
Fill - Brown silty clay

Brown silty clay

Tan & gray clay

Gray shale

Terminated @ 43.5 feet



Technically Complete
2360

JACK H. HOLT & ASSOCIATES, INC.

2220 Barton Skyway
Austin, Texas

Notes:

Project No.
06-17896

Send original copy by certified mail to: TNRCC, P.O. Box 13087, Austin, TX 78711-3087 *Please use black ink.*

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

State of Texas
WELL REPORT

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

1) OWNER Waste Management of Texas (Name) ADDRESS 9708 Giles Road, (Street or RFD) Austin, (City) Texas (State) 76754 (Zip)

2) ADDRESS OF WELL:
County Travis 9708 Giles Road, (Street or RFD) Austin, (City) Texas (State) 76754 (Zip) GRID # 58-44-1

3) TYPE OF WORK (Check):
☒ New Well ☐ Deepening
☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☒ Monitor ☐ Environmental Soil Boring ☐ Domestic
☐ Industrial ☐ Irrigation ☐ Injection ☐ Public Supply ☐ De-watering ☐ Testwell
If Public Supply well, were plans submitted to the TNRCC? ☐ Yes ☐ No

5)

N

6) WELL LOG:
Date Drilling:
Started 6-11 19 96
Completed 6-11 19 96

DIAMETER OF HOLE

Dia.. (in.)	From (ft.)	To (ft.)
6-5/8	Surface	43.5

7) DRILLING METHOD (Check): ☐ Driven
☐ Air Rotary ☐ Mud Rotary ☒ Bored
☐ Air Hammer ☐ Cable Tool ☐ Jetted
☐ Other

From (ft.)	To (ft.)	Description and color of formation material
MW-20		
See attached Well Log.		

(Use reverse side if necessary)

8) Borehole Completion (Check): ☐ Open Hole ☐ Straight Wall
☐ Underreamed ☐ Gravel Packed ☒ Other
If Gravel Packed give interval ... from 25 ft. to 43.5 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	Setting (ft.) To	Gage Casting Screen
2	N	PVC SCH. 40	-3	27	
2	N	Slotted PVC	27	37	

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 0 ft. to 22 ft. No. of sacks used 3-½
22 ft. to 25 ft. No. of sacks used 1
Method used Poured
Cemented by John Webb
Distance to septic system field lines or other concentrated contamination ______ ft.
Method of verification of above distance

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed (Rule 338.44(2)(A)]
☐ Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
☐ Pitless Adapter Used [Rule 338.44(3)(b)]
☐ Approved Alternative Procedure Used [Rule 338.71]

11) WATER LEVEL NONE
Static Level ______ ft. below land surface Date ______
Artesian flow ______ gpm Date ______

12) PACKERS: N/A Type Depth

13) TYPE PUMP: NONE
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other
Depth to pump bowls, cylinder, jet, etc., ______ ft.

14) WELL TESTS: NONE
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: ______ gpm with ______ ft. drawdown after ______ hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
☐ Yes ☒ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? ______ Depth of strata ______
Was a chemical analysis made? ☐ Yes ☒ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Jack Holt & Associates, Inc. (Type or print) WELL DRILLER'S LICENSE NO. 3023M

ADDRESS 2220 Barton Skyway, (Street or RFD) Austin, (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Licensed Well Driller) (Signed) ______ (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

Technically Complete
2361

TNRCC-0199 (Rev. 11-1-94)

Monitoring Well No. MW-21

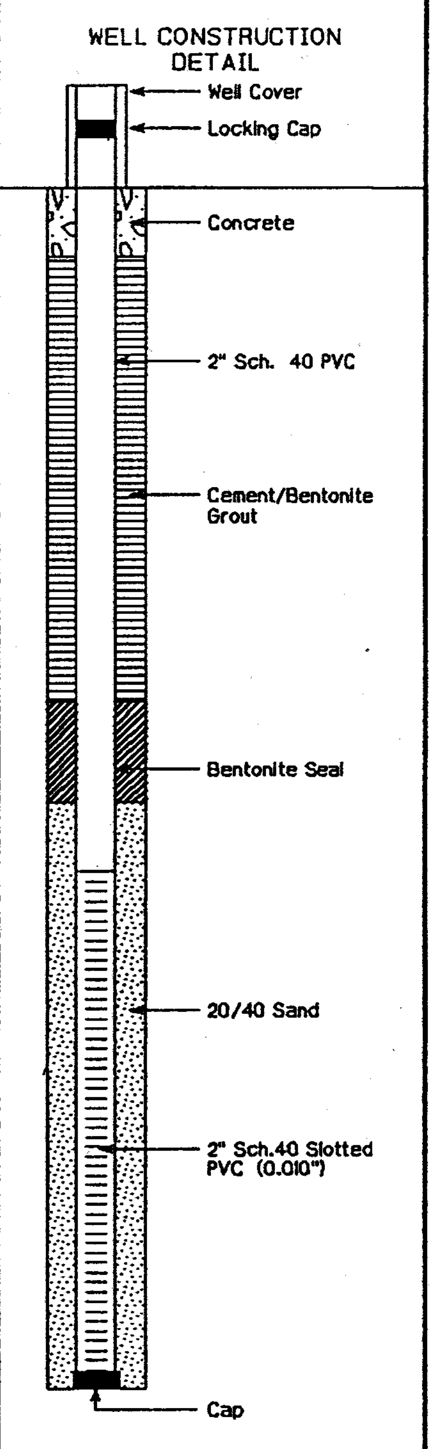
PROJECT: A.C.L.
DRILL RIG: CME 55, 3 1/4" Hollow Stem Auger
INITIAL GW DEPTH: FEET ft.

DATE: 06/13/96
HOLE DIA.: 6 5/8" in.
FINAL GW: ft.

LOGGED BY: John Webb
SAMPLER: None
HOLE ELEV.: N/A

DESCRIPTION	USCS CLASS	GRAPHIC LOG	DEPTH	SAMPLE	BLOWS/FT.
Fill - Brown & tan silty clay			0		
Tan & gray clay			5		
			10		
			15		
			20		
			25		
Gray shale			30		
Terminated @ 35.0 feet			35		
			40		

WELL CONSTRUCTION DETAIL



Technically Complete
2362

JACK H. HOLT & ASSOCIATES, INC.

2220 Barton Skyway
Austin, Texas

Notes:

Project No.
06-17896

Page 1 of 1

Send original copy by certified mail to: TNRCC, P.O. Box 13087, Austin, TX 78711-3087 *Please use black ink.*

ATTENTION OWNER: *Confidentiality Privilege Notice on Reverse Side*

State of Texas
WELL REPORT

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, TX 78711-3087
512-239-0530

OWNER Waste Management of Texas (Name) ADDRESS 9708 Giles Road, (Street or RFD) Austin, (City) Texas (State) 76754 (Zip)

2) ADDRESS OF WELL:
County Travis 9708 Giles Road, (Street or RFD) Austin, (City) Texas (State) 76754 (Zip) GRID # 58-44-1

3) TYPE OF WORK (Check):
☒ New Well ☐ Deepening
☐ Reconditioning ☐ Plugging

4) PROPOSED USE (Check): ☒ Monitor ☐ Environmental Soil Boring ☐ Domestic ☐ Industrial ☐ Irrigation ☐ Injection ☐ Public Supply ☐ De-watering ☐ Testwell
If Public Supply well, were plans submitted to the TNRCC? ☐ Yes ☐ No

5)

N

6) WELL LOG:
Date Drilling:
Started 6-11 19 96
Completed 6-11 19 96

DIAMETER OF HOLE

Dia.. (in.)	From (ft.)	To (ft.)
6-5/8	Surface	35

7) DRILLING METHOD (Check): ☐ Driven ☐ Air Rotary ☐ Mud Rotary ☒ Bored ☐ Air Hammer ☐ Cable Tool ☐ Jetted ☐ Other

From (ft.)	To (ft.)	Description and color of formation material
MW-21		
See attached Well Log.		

(Use reverse side if necessary)

8) Borehole Completion (Check): ☐ Open Hole ☐ Straight Wall ☐ Underreamed ☐ Gravel Packed ☒ Other 20-40 Sand Packing
If Gravel Packed give interval ... from 25 ft. to 35 ft.

CASING, BLANK PIPE, AND WELL SCREEN DATA:

Dia. (in.)	New or Used	Steel, Plastic, etc. Perf., Slotted, etc. Screen Mfg., if commercial	Setting (ft.) From	To	Gage Casting Screen
2	N	PVC SCH. 40	-3	20	
2	N	Slotted PVC	20	30	

9) CEMENTING DATA [Rule 338.44(1)]
Cemented from 0 ft. to 15 ft. No. of sacks used 2-¼
15 ft. to 18 ft. No. of sacks used 1
Method used Poured
Cemented by John Webb
Distance to septic system field lines or other concentrated contamination ft.
Method of verification of above distance

10) SURFACE COMPLETION
☒ Specified Surface Slab Installed (Rule 338.44(2)(A)]
☐ Specified Steel Sleeve Installed [Rule 338.44(3)(A)]
☐ Pitless Adapter Used [Rule 338.44(3)(b)]
☐ Approved Alternative Procedure Used [Rule 338.71]

11) WATER LEVEL NONE
Static Level ft. below land surface Date
Artesian flow gpm Date

12) PACKERS: N/A Type Depth

13) TYPE PUMP: NONE
☐ Turbine ☐ Jet ☐ Submersible ☐ Cylinder
☐ Other
Depth to pump bowls, cylinder, jet, etc., ft.

14) WELL TESTS: NONE
Type Test: ☐ Pump ☐ Bailer ☐ Jetted ☐ Estimated
Yield: gpm with ft. drawdown after hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable constituents?
☐ Yes ☒ No If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? Depth of strata
Was a chemical analysis made? ☐ Yes ☒ No

I hereby certify that this well was drilled by me (or under my supervision) and that each and all of the statements herein are true to the best of my knowledge and belief. I understand that failure to complete items 1 thru 15 will result in the log(s) being returned for completion and resubmittal.

COMPANY NAME Jack Holt & Associates, Inc. (Type or print) WELL DRILLER'S LICENSE NO. 3023M

ADDRESS 2220 Barton Skyway, (Street or RFD) Austin, (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Licensed Well Driller) (Signed) (Registered Driller Trainee)

Please attach electric log, chemical analysis, and other pertinent information, if available.

TNRCC-0199 (Rev. 11-1-94)

Technically Complete
2363

A. Monitor Well Data Sheet

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
MSWD-SE67

Permittee or Site Name: **AUSTIN COMMUNITY LANDFILL**
County: **Travis**
Date of Monitor Well Installation: **6/12/96**
Monitor Well: Latitude: **30° 19' 56.36"**
Longitude: **97° 37' 26.50"**
Monitor Well Groundwater: Upgradient:
Downgradient: **X**

MSW Permit No.: **249-C**
Monitor Well I.D. No.: **MW-20**
Date of Monitor Well Development: **Pending**
Monitor Well Driller Name: **Jack Holt & Associates**
License No.: **3023M**

NOTE:
(A) The information shown in the sketch below should be considered the minimum required for an installed ground-water monitor well.
(B) Report All Depths from Surface Elevation and all Elevations relative to Mean Sea Level.
(C) The minimum distance between the inside wall of the Bore Hole and the outside of the Well Casing shall be 3".
(D) Use Flush Screw Joint Casing only, 2" diameter or larger. Recommend 4" diameter minimum & Teflon Taping Casing Joints.
(E) Well development should continue until water is clear, and pH and conductivity are stable.

Geologist, Hydrologist or Engineer Supervising Well Installation: **Emmett Hudson**

Static Water Level Elevation (with respect to MSL) after Well Development: **DRY**

Name of Geologic Formation (s) in which Well is completed: **Taylor**

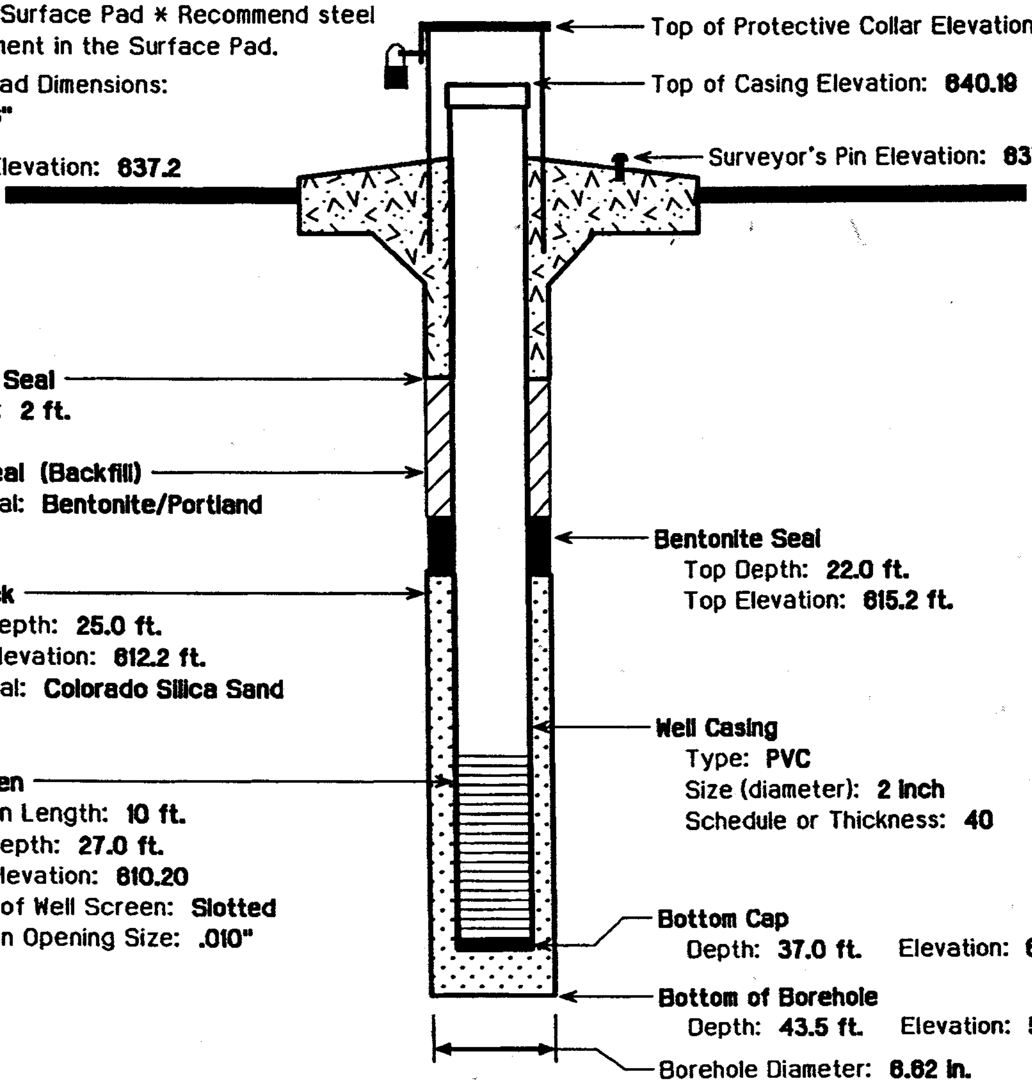
Type of Locking Device: **Padlock**

Type of Casing Protection: **Metal**

Concrete Surface Pad * Recommend steel reinforcement in the Surface Pad.

Surface Pad Dimensions:
6' x 6' x 6"

Surface Elevation: **837.2**



Top of Protective Collar Elevation: **840.87**

Top of Casing Elevation: **840.19**

Surveyor's Pin Elevation: **837.78**

Concrete Seal
Depth: **2 ft.**

Casing Seal (Backfill)
Material: **Bentonite/Portland**

Bentonite Seal
Top Depth: **22.0 ft.**
Top Elevation: **815.2 ft.**

Filter Pack
Top Depth: **25.0 ft.**
Top Elevation: **812.2 ft.**
Material: **Colorado Silica Sand**

Well Casing
Type: **PVC**
Size (diameter): **2 inch**
Schedule or Thickness: **40**

Well Screen
Screen Length: **10 ft.**
Top Depth: **27.0 ft.**
Top Elevation: **810.20**
Type of Well Screen: **Slotted**
Screen Opening Size: **.010"**

Bottom Cap
Depth: **37.0 ft.** Elevation: **800.2 ft.**

Bottom of Borehole
Depth: **43.5 ft.** Elevation: **593.7 ft.**

Borehole Diameter: **6.62 in.**

Technically Complete
2364

A. Monitor Well Data Sheet

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
MSWD-SE67

Permittee or Site Name: **AUSTIN COMMUNITY LANDFILL**
County: **Travis**
Date of Monitor Well Installation: **6/11/96**
Monitor Well: Latitude: **30° 20' 16.76"**
Longitude: **97° 38' 16.76"**
Monitor Well Groundwater: Upgradient:
Downgradient: **X**

MSW Permit No.: **249-C**
Monitor Well I.D. No.: **MW-21**
Date of Monitor Well Development: **6/21/96**
Monitor Well Driller Name: **Jack Holt & Associates**
License No.: **3023M**

NOTE:
(A) The information shown in the sketch below should be considered the minimum required for an installed ground-water monitor well.
(B) Report All Depths from Surface Elevation and all Elevations relative to Mean Sea Level.
(C) The minimum distance between the inside wall of the Bore Hole and the outside of the Well Casing shall be 3".
(D) Use Flush Screw Joint Casing only, 2" diameter or larger. Recommend 4" diameter minimum & Teflon Taping Casing Joints.
(E) Well development should continue until water is clear, and pH and conductivity are stable.

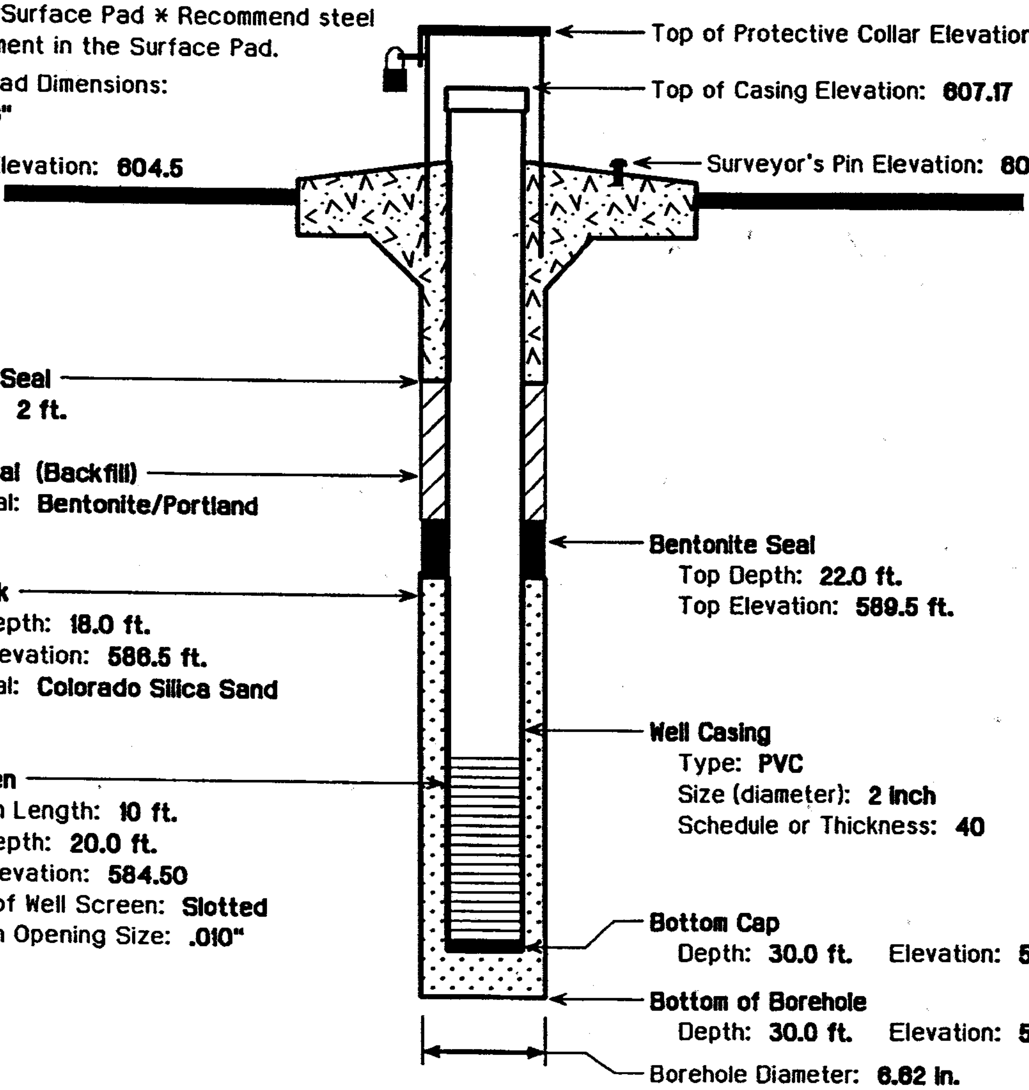
Geologist, Hydrologist or Engineer Supervising Well Installation: **Emmett Hudson**

Static Water Level Elevation (with respect to MSL) after Well Development: **583.48**

Name of Geologic Formation (s) in which Well is completed: **Taylor**

Type of Locking Device: **Padlock**

Type of Casing Protection: **Metal**



Concrete Surface Pad * Recommend steel reinforcement in the Surface Pad.
Surface Pad Dimensions:
6' x 6' x 6"

Top of Protective Collar Elevation: **607.82**

Top of Casing Elevation: **607.17**

Surface Elevation: **604.5**

Surveyor's Pin Elevation: **604.74**

Concrete Seal
Depth: **2 ft.**

Casing Seal (Backfill)
Material: **Bentonite/Portland**

Bentonite Seal
Top Depth: **22.0 ft.**
Top Elevation: **589.5 ft.**

Filter Pack
Top Depth: **18.0 ft.**
Top Elevation: **586.5 ft.**
Material: **Colorado Silica Sand**

Well Casing
Type: **PVC**
Size (diameter): **2 inch**
Schedule or Thickness: **40**

Well Screen
Screen Length: **10 ft.**
Top Depth: **20.0 ft.**
Top Elevation: **584.50**
Type of Well Screen: **Slotted**
Screen Opening Size: **.010"**

Bottom Cap
Depth: **30.0 ft.** Elevation: **574.5 ft.**

Bottom of Borehole
Depth: **30.0 ft.** Elevation: **574.5 ft.**

Borehole Diameter: **6.62 in.**

Technically Complete
2365

A. Monitor Well Data Sheet

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
MSWD-SE67

Permittee or Site Name: **AUSTIN COMMUNITY LANDFILL**
County: **Travis**
Date of Monitor Well Installation: **4/13/94**
Monitor Well: Latitude: **30° 19' 59.02"**
Longitude: **97° 37' 21.33"**
Monitor Well Groundwater: Upgradient:
Downgradient: **X**

MSW Permit No.: **249-C**
Monitor Well I.D. No.: **MW-2B**
Date of Monitor Well Development: **5/10/94**
Monitor Well Driller Name: **Jack Holt & Associates**
License No.: **3023M**

NOTE:
(A) The information shown in the sketch below should be considered the minimum required for an installed ground-water monitor well.
(B) Report All Depths from Surface Elevation and all Elevations relative to Mean Sea Level.
(C) The minimum distance between the inside wall of the Bore Hole and the outside of the Well Casing shall be 3".
(D) Use Flush Screw Joint Casing only, 2" diameter or larger. Recommend 4" diameter minimum & Teflon Taping Casing Joints.
(E) Well development should continue until water is clear, and pH and conductivity are stable.

Geologist, Hydrologist or Engineer Supervising Well Installation: **Emmett Hudson**

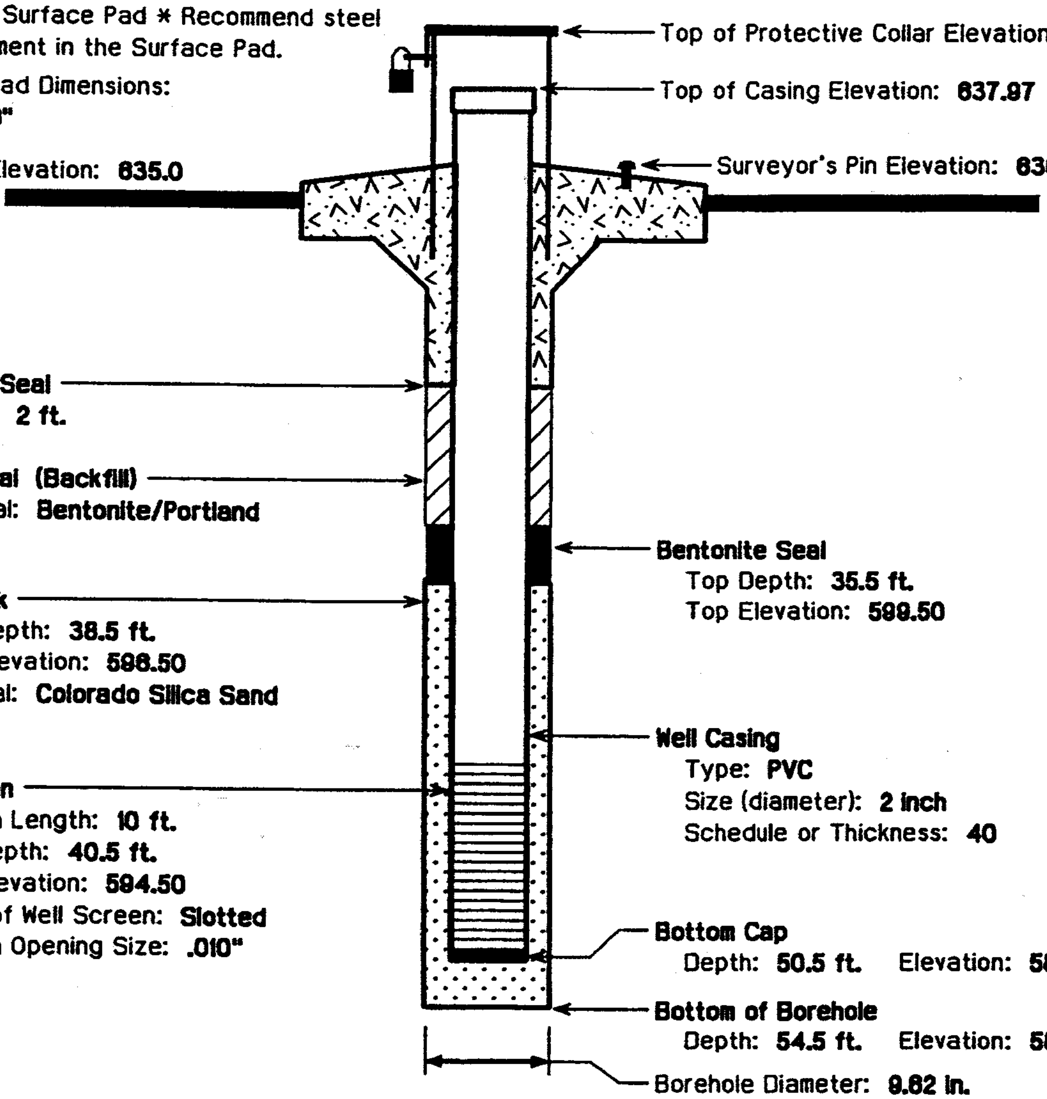
Static Water Level Elevation (with respect to MSL) after Well Development: **Dry**

Name of Geologic Formation (s) in which Well is completed: **Taylor**

Type of Locking Device: **Padlock**

Type of Casing Protection: **Metal**

Concrete Surface Pad * Recommend steel reinforcement in the Surface Pad.
Surface Pad Dimensions:
6' x 6' x 6"



Top of Protective Collar Elevation: **638.28**
Top of Casing Elevation: **637.97**
Surveyor's Pin Elevation: **636.01**
Surface Elevation: **635.0**

Concrete Seal
Depth: **2 ft.**

Casing Seal (Backfill)
Material: **Bentonite/Portland**

Bentonite Seal
Top Depth: **35.5 ft.**
Top Elevation: **599.50**

Filter Pack
Top Depth: **38.5 ft.**
Top Elevation: **596.50**
Material: **Colorado Silica Sand**

Well Casing
Type: **PVC**
Size (diameter): **2 inch**
Schedule or Thickness: **40**

Well Screen
Screen Length: **10 ft.**
Top Depth: **40.5 ft.**
Top Elevation: **594.50**
Type of Well Screen: **Slotted**
Screen Opening Size: **.010"**

Bottom Cap
Depth: **50.5 ft.** Elevation: **584.50**

Bottom of Borehole
Depth: **54.5 ft.** Elevation: **580.50**

Borehole Diameter: **9.62 in.**

Technically Complete
2366

A. Monitor Well Data Sheet

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
MSWD-SE67

Permittee or Site Name: **AUSTIN COMMUNITY LANDFILL**
County: **Travis**
Date of Monitor Well Installation: **4/25/94**
Monitor Well: Latitude:
Longitude:
Monitor Well Groundwater: Upgradient: **X**
Downgradient:

MSW Permit No.: **249-C**
Monitor Well I.D. No.: **MW-5A**
Date of Monitor Well Development: **4/27/94**
Monitor Well Driller Name: **Jack Holt & Associates**
License No.: **3023M**

NOTE:
(A) The information shown in the sketch below should be considered the minimum required for an installed ground-water monitor well.
(B) Report All Depths from Surface Elevation and all Elevations relative to Mean Sea Level.
(C) The minimum distance between the inside wall of the Bore Hole and the outside of the Well Casing shall be 3".
(D) Use Flush Screw Joint Casing only, 2" diameter or larger. Recommend 4" diameter minimum & Teflon Taping Casing Joints.
(E) Well development should continue until water is clear, and pH and conductivity are stable.

Geologist, Hydrologist or Engineer Supervising Well Installation: **Emmett Hudson**

Static Water Level Elevation (with respect to MSL) after Well Development: **54.40 ft.**

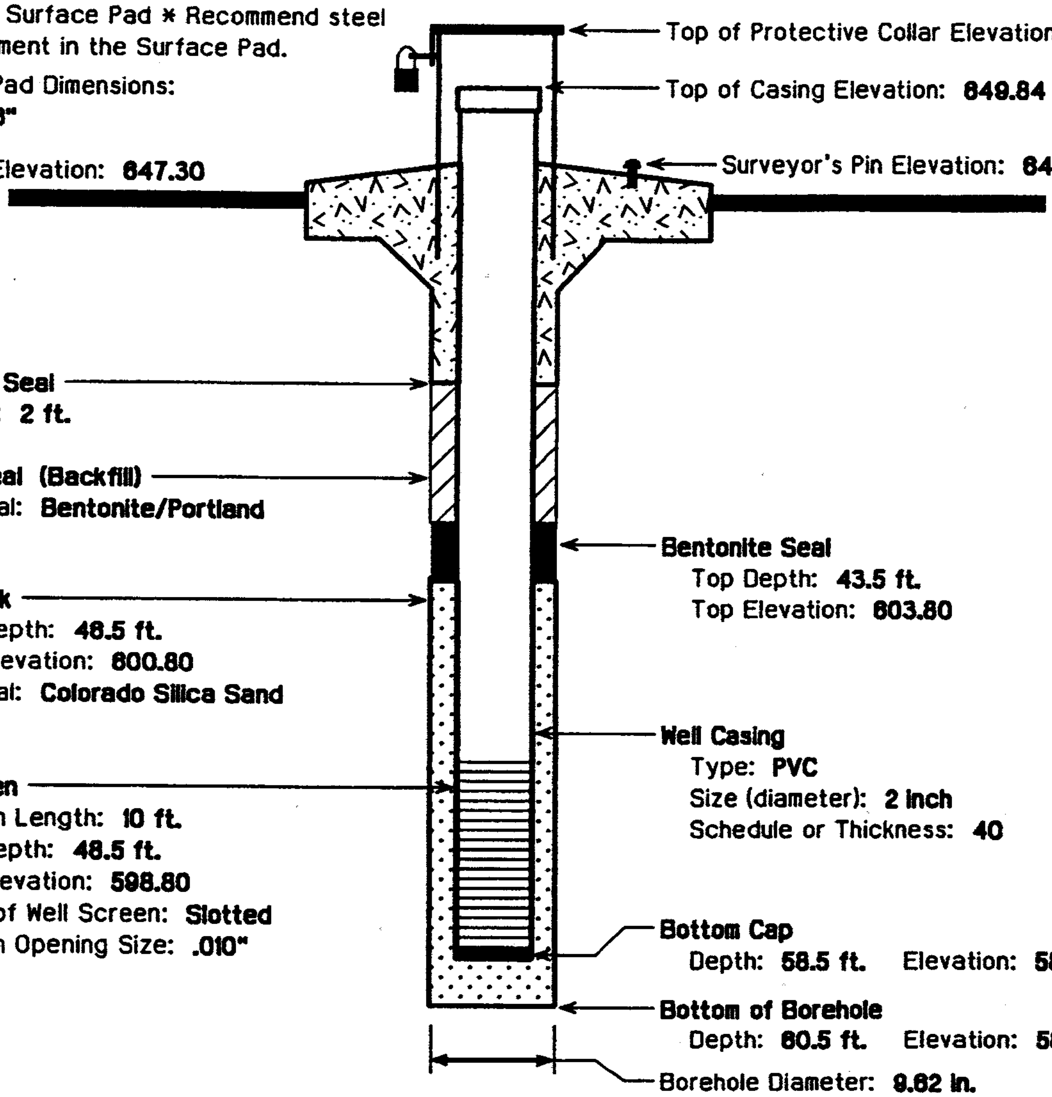
Name of Geologic Formation (s) in which Well is completed: **Taylor**

Type of Locking Device: **Padlock**

Type of Casing Protection: **Metal**

Concrete Surface Pad * Recommend steel reinforcement in the Surface Pad.
Surface Pad Dimensions:
6' x 6' x 6"

Surface Elevation: **647.30**



Top of Protective Collar Elevation: **650.26**
Top of Casing Elevation: **649.84**
Surveyor's Pin Elevation: **647.93**

Concrete Seal
Depth: **2 ft.**

Casing Seal (Backfill)
Material: **Bentonite/Portland**

Bentonite Seal
Top Depth: **43.5 ft.**
Top Elevation: **603.80**

Filter Pack
Top Depth: **46.5 ft.**
Top Elevation: **600.80**
Material: **Colorado Silica Sand**

Well Casing
Type: **PVC**
Size (diameter): **2 inch**
Schedule or Thickness: **40**

Well Screen
Screen Length: **10 ft.**
Top Depth: **48.5 ft.**
Top Elevation: **598.80**
Type of Well Screen: **Slotted**
Screen Opening Size: **.010"**

Bottom Cap
Depth: **58.5 ft.** Elevation: **588.80**

Bottom of Borehole
Depth: **60.5 ft.** Elevation: **586.80**

Borehole Diameter: **9.62 in.**

Technically Complete
2367

A. Monitor Well Data Sheet

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
MSWD-SE67

Permittee or Site Name: **AUSTIN COMMUNITY LANDFILL**
County: **Travis**
Date of Monitor Well Installation: **4/12/94**
Monitor Well: Latitude: **30° 20' 13.89"**
Longitude: **97° 38' 3.49"**
Monitor Well Groundwater: Upgradient:
Downgradient: **X**

MSW Permit No.: **249-C**
Monitor Well I.D. No.: **MW-11**
Date of Monitor Well Development: **5/11/94**
Monitor Well Driller Name: **Jack Holt & Associates**
License No.: **3023M**

NOTE:
(A) The information shown in the sketch below should be considered the minimum required for an installed ground-water monitor well.
(B) Report All Depths from Surface Elevation and all Elevations relative to Mean Sea Level.
(C) The minimum distance between the inside wall of the Bore Hole and the outside of the Well Casing shall be 3".
(D) Use Flush Screw Joint Casing only, 2" diameter or larger. Recommend 4" diameter minimum & Teflon Taping Casing Joints.
(E) Well development should continue until water is clear, and pH and conductivity are stable.

Geologist, Hydrologist or Engineer Supervising Well Installation: **Emmett Hudson**

Static Water Level Elevation (with respect to MSL) after Well Development: **14.41 ft.**

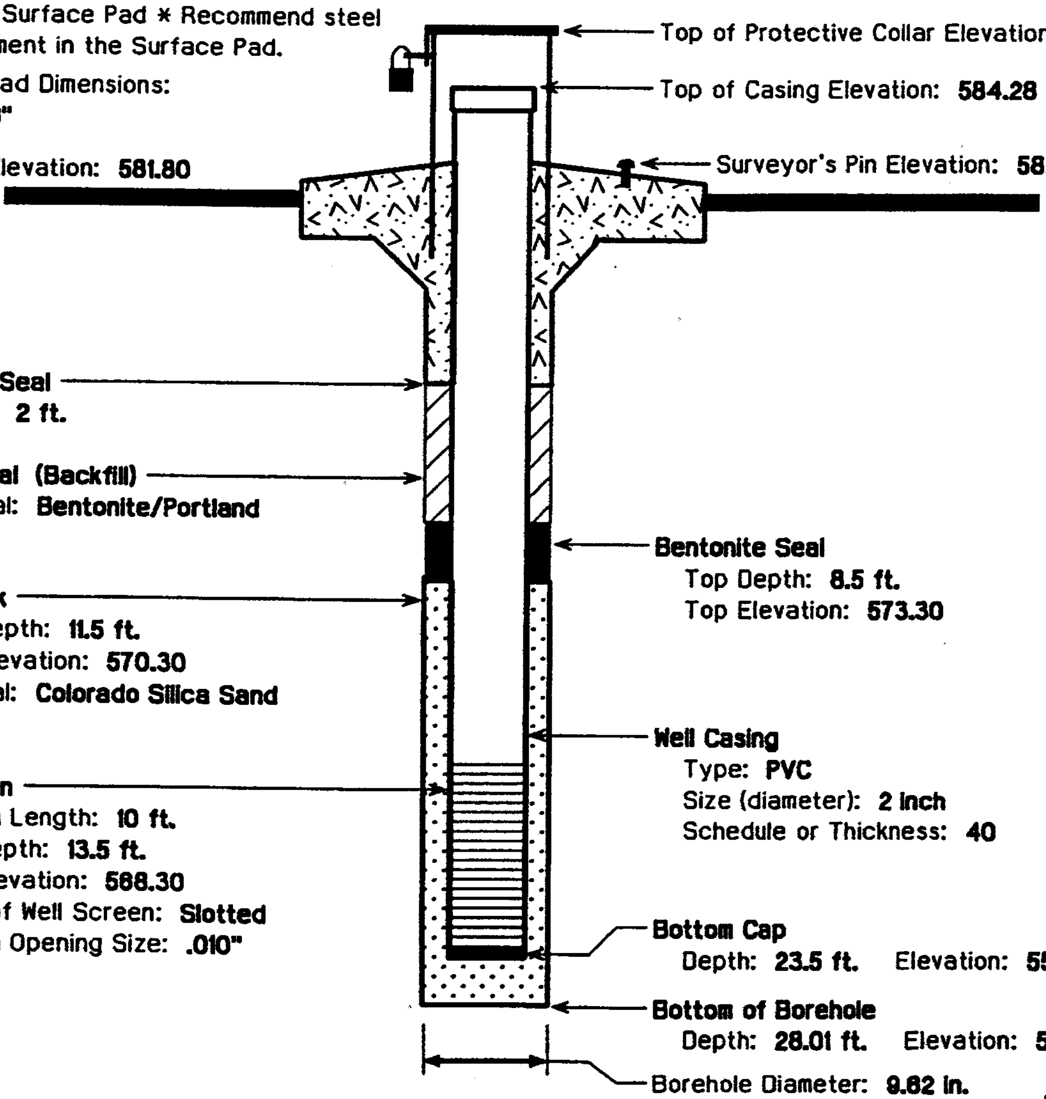
Name of Geologic Formation (s) in which Well is completed: **Taylor**

Type of Locking Device: **Padlock**

Type of Casing Protection: **Metal**

Concrete Surface Pad * Recommend steel reinforcement in the Surface Pad.
Surface Pad Dimensions:
6' x 6' x 6"

Surface Elevation: **581.80**



Top of Protective Collar Elevation: **584.80**

Top of Casing Elevation: **584.28**

Surveyor's Pin Elevation: **582.02**

Concrete Seal
Depth: **2 ft.**

Casing Seal (Backfill)
Material: **Bentonite/Portland**

Bentonite Seal
Top Depth: **8.5 ft.**
Top Elevation: **573.30**

Filter Pack
Top Depth: **11.5 ft.**
Top Elevation: **570.30**
Material: **Colorado Silica Sand**

Well Casing
Type: **PVC**
Size (diameter): **2 inch**
Schedule or Thickness: **40**

Well Screen
Screen Length: **10 ft.**
Top Depth: **13.5 ft.**
Top Elevation: **568.30**
Type of Well Screen: **Slotted**
Screen Opening Size: **.010"**

Bottom Cap
Depth: **23.5 ft.** Elevation: **558.30**

Bottom of Borehole
Depth: **28.01 ft.** Elevation: **553.79**

Borehole Diameter: **9.62 in.**

Technically Complete
2368

A. Monitor Well Data Sheet

TEXAS NATURAL RESOURCE
CONSERVATION COMMISSION
MSWD-SE67

Permittee or Site Name: **AUSTIN COMMUNITY LANDFILL**
County: **Travis**
Date of Monitor Well Installation: **4/5/94**
Monitor Well: Latitude: **30° 20' 15.78"**
Longitude: **97° 37' 25.0"**
Monitor Well Groundwater: Upgradient:
Downgradient:

MSW Permit No.: **249-C**
Monitor Well I.D. No.: **MW-13**
Date of Monitor Well Development: **5/10/94**
Monitor Well Driller Name: **Jack Holt & Associates**
License No.: **3023M**

NOTE:
(A) The information shown in the sketch below should be considered the minimum required for an installed ground-water monitor well.
(B) Report All Depths from Surface Elevation and all Elevations relative to Mean Sea Level.
(C) The minimum distance between the inside wall of the Bore Hole and the outside of the Well Casing shall be 3".
(D) Use Flush Screw Joint Casing only, 2" diameter or larger. Recommend 4" diameter minimum & Teflon Taping Casing Joints.
(E) Well development should continue until water is clear, and pH and conductivity are stable.

Geologist, Hydrologist or Engineer Supervising Well Installation: **Emmett Hudson**

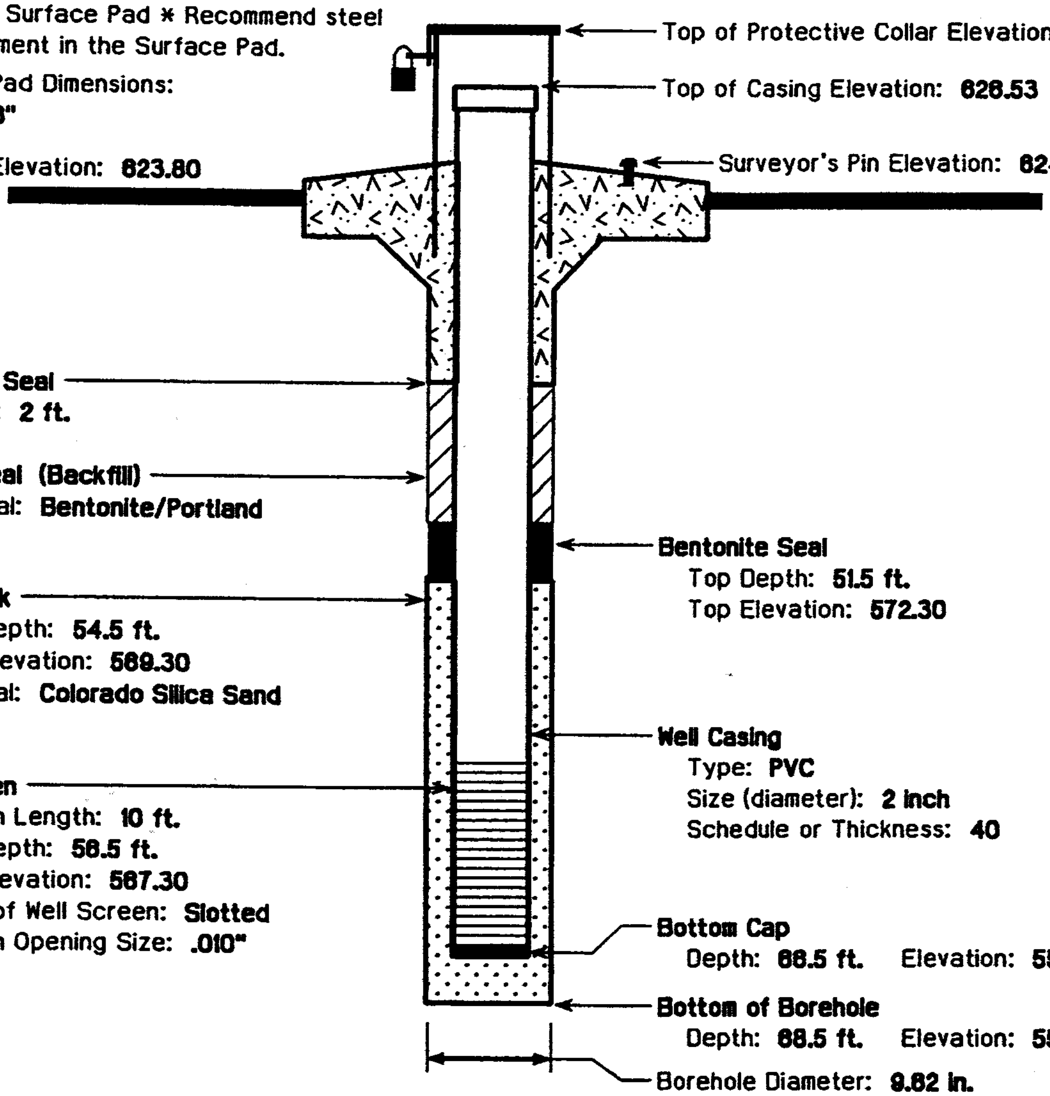
Static Water Level Elevation (with respect to MSL) after Well Development: **30.79 ft.**

Name of Geologic Formation (s) in which Well is completed: **Taylor**

Type of Locking Device: **Padlock**

Type of Casing Protection: **Metal**

Concrete Surface Pad * Recommend steel reinforcement in the Surface Pad.
Surface Pad Dimensions:
6' x 6' x 6"
Surface Elevation: **623.80**



Top of Protective Collar Elevation: **626.97**
Top of Casing Elevation: **626.53**
Surveyor's Pin Elevation: **624.47**

Concrete Seal
Depth: **2 ft.**

Casing Seal (Backfill)
Material: **Bentonite/Portland**

Bentonite Seal
Top Depth: **51.5 ft.**
Top Elevation: **572.30**

Filter Pack
Top Depth: **54.5 ft.**
Top Elevation: **569.30**
Material: **Colorado Silica Sand**

Well Casing
Type: **PVC**
Size (diameter): **2 inch**
Schedule or Thickness: **40**

Well Screen
Screen Length: **10 ft.**
Top Depth: **56.5 ft.**
Top Elevation: **567.30**
Type of Well Screen: **Slotted**
Screen Opening Size: **.010"**

Bottom Cap
Depth: **66.5 ft.** Elevation: **557.30**

Bottom of Borehole
Depth: **68.5 ft.** Elevation: **555.30**

Borehole Diameter: **9.62 in.**

Technically Complete
2369

A. Monitor Well Data Sheet

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION
MSWD-SE87

Permittee or Site Name: **AUSTIN COMMUNITY LANDFILL**
County: **Travis**
Date of Monitor Well Installation: **4/4/94**
Monitor Well: Latitude:
Longitude:
Monitor Well Groundwater: Upgradient: **X**
Downgradient:

MSW Permit No.: **249-C**
Monitor Well I.D. No.: **MW-15**
Date of Monitor Well Development: **4/25/94**
Monitor Well Driller Name: **Jack Holt & Associates**
License No.: **3023M**

NOTE:
(A) The information shown in the sketch below should be considered the minimum required for an installed ground-water monitor well.
(B) Report All Depths from Surface Elevation and all Elevations relative to Mean Sea Level.
(C) The minimum distance between the inside wall of the Bore Hole and the outside of the Well Casing shall be 3".
(D) Use Flush Screw Joint Casing only, 2" diameter or larger. Recommend 4" diameter minimum & Teflon Taping Casing Joints.
(E) Well development should continue until water is clear, and pH and conductivity are stable.

Geologist, Hydrologist or Engineer Supervising Well Installation: **Emmett Hudson**

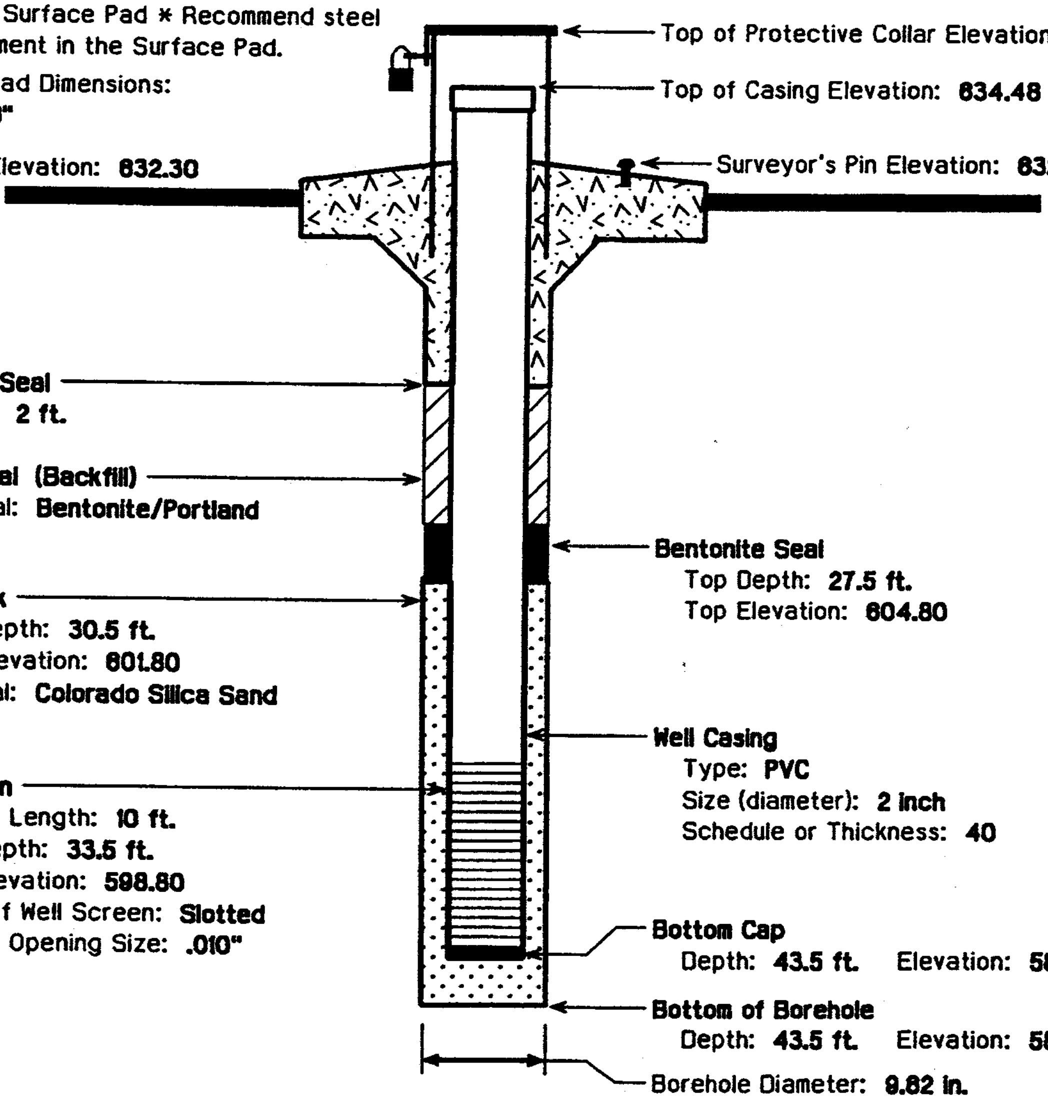
Static Water Level Elevation (with respect to MSL) after Well Development: **15.30 ft.**

Name of Geologic Formation (s) in which Well is completed: **Taylor**

Type of Locking Device: **Padlock**

Type of Casing Protection: **Metal**

Concrete Surface Pad * Recommend steel reinforcement in the Surface Pad.
Surface Pad Dimensions:
6' x 6' x 6"



Top of Protective Collar Elevation: **834.75**

Top of Casing Elevation: **834.48**

Surface Elevation: **832.30**

Surveyor's Pin Elevation: **832.43**

Concrete Seal
Depth: **2 ft.**

Casing Seal (Backfill)
Material: **Bentonite/Portland**

Bentonite Seal
Top Depth: **27.5 ft.**
Top Elevation: **804.80**

Filter Pack
Top Depth: **30.5 ft.**
Top Elevation: **801.80**
Material: **Colorado Silica Sand**

Well Casing
Type: **PVC**
Size (diameter): **2 inch**
Schedule or Thickness: **40**

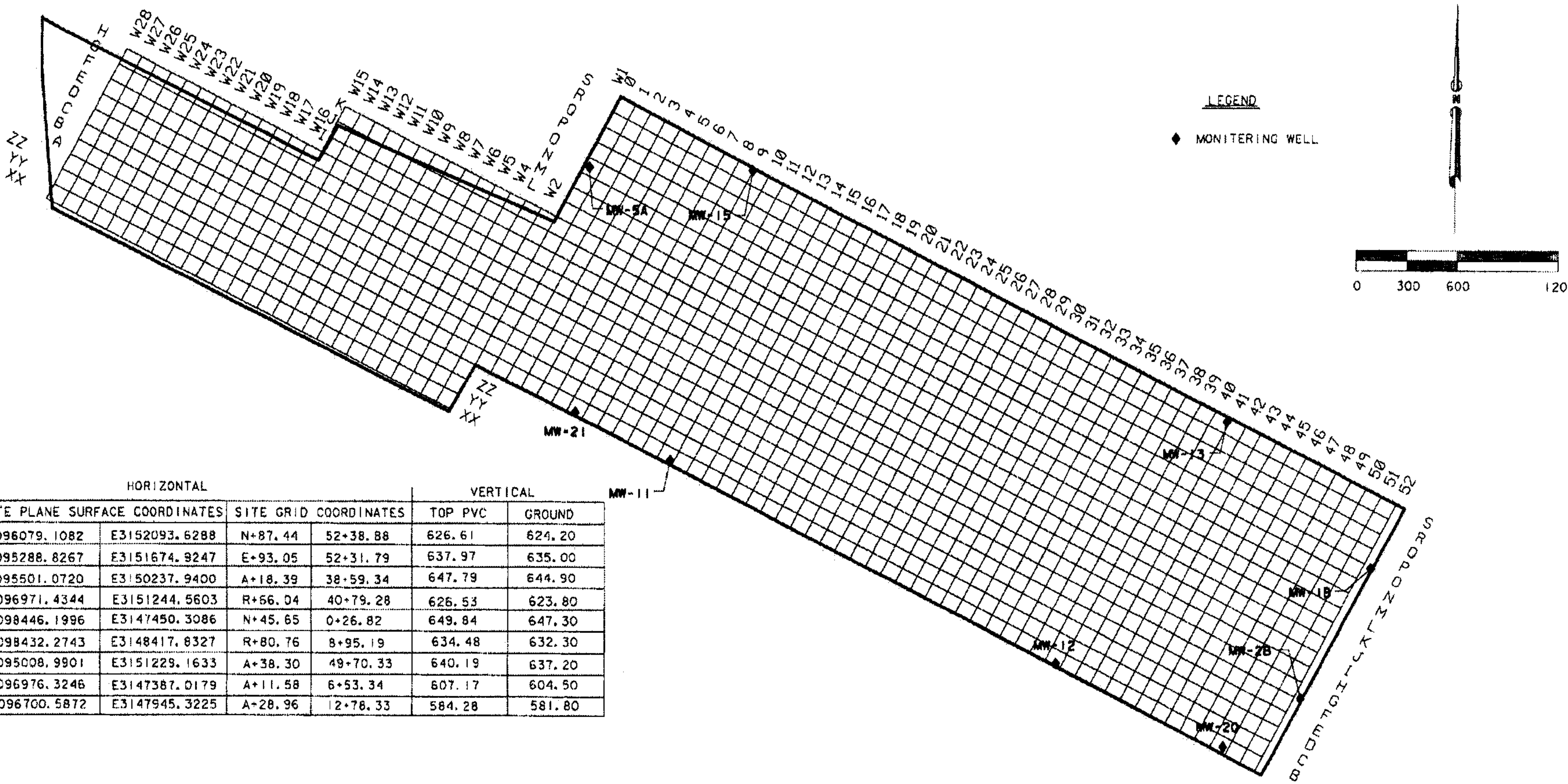
Well Screen
Screen Length: **10 ft.**
Top Depth: **33.5 ft.**
Top Elevation: **598.80**
Type of Well Screen: **Slotted**
Screen Opening Size: **.010"**

Bottom Cap
Depth: **43.5 ft.** Elevation: **588.80**

Bottom of Borehole
Depth: **43.5 ft.** Elevation: **588.80**

Borehole Diameter: **9.82 in.**

Technically Complete
2370



	HORIZONTAL				VERTICAL	
NO.	STATE PLANE SURFACE COORDINATES		SITE GRID COORDINATES		TOP PVC	GROUND
MW-1B	N10096079.1082	E3152093.6288	N+87.44	52+38.88	626.61	624.20
MW-2B	N10095288.8267	E3151674.9247	E+93.05	52+31.79	637.97	635.00
MW-12	N10095501.0720	E3150237.9400	A+18.39	38+59.34	647.79	644.90
MW-13	N10096971.4344	E3151244.5603	R+56.04	40+79.28	626.53	623.80
MW-5A	N10098446.1996	E3147450.3086	N+45.65	0+26.82	649.84	647.30
MW-15	N10098432.2743	E3148417.8327	R+80.76	8+95.19	634.48	632.30
MW-20	N10095008.9901	E3151229.1633	A+38.30	49+70.33	640.19	637.20
MW-21	N10096976.3246	E3147387.0179	A+11.58	6+53.34	607.17	604.50
MW-11	N10096700.5872	E3147945.3225	A+28.96	12+78.33	584.28	581.80

DATE: JULY 96

MONITERING WELL LOCATIONS

AUSTIN COMMUNITY LANDFILL
AUSTIN, TEXAS

RUST LICHLITER/JAMESON

Environment & Infrastructure
Consulting Engineers, Scientists and Planners
811 Barton Springs Road, Suite 400, Austin, Texas 78704-1164

Technically Complete
2371

ACL-9.4
7/24/96

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

July 24, 1996

RECEIVED
JUL 29 1996

Mr. Rusty Fusilier, P.E.
Waste Management of Texas, Inc.
9708 Giles Road
Austin, TX 78754

Subject: Municipal Solid Waste - Travis County
WMT/Austin Community Landfill - Permit No. MSW-249C
0.2 Mile N of US-290 on Giles Road

Dear Mr. Fusilier:

This is in response to your letter, dated June 12, 1996, submitting information regarding the five existing ground water monitor wells at the subject site. We understand that one of these 5 wells will be plugged and the other four will remain in place, but will not be a part of the ground water monitor well system. This information will be passed to our Ground Water Monitoring Team and will be placed in the file for this site.

If you have any questions concerning this letter or if we may be of any assistance to you regarding municipal solid waste, you may contact me at MC-124, P.O. Box 13087, Austin, Texas 78711; telephone number (512) 239-6671.

Sincerely,

Michael D. Graeber, P.E.
Permits Section
Municipal Solid Waste Division

MDG/ff

cc: TNRCC Region 11
Austin-Travis County Health Department
Jim Nelson
Johnny Williams (OR-4.1.2)
Neil Mohr

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2372

P.O. Box 13087 • Austin, Texas 78711-3087 • 512/239-1000

ACL-4.1.2
8/9/96

Austin Community Landfill
P.O. Box 14644
Austin, Texas 78761
512/272-8262
512/272-9370 Fax

A Waste Management Company

96 AUG -9 PM 4:30
SOLID WASTE MGMT.

August 9, 1996

Ms. Ada Lichaa, Leader
MC 124
Ground-Water Monitoring Team
Ground-Water Section
Municipal Solid Waste Division
Texas Natural Resource Conservation Commission
P. O. Box 13087
Austin, Texas 78711-3087

SUBJECT: Municipal Solid Waste - Travis County
Austin Community Landfill - Permit No. MSW 249-C
Piezometer/Monitoring Well/Gas Probe Decommissioning Report

Dear Ms. Lichaa:

On behalf of Waste Management of Texas, Inc., enclosed is a report documenting the decommissioning of nine piezometers, one groundwater monitoring well, and twelve gas monitoring probes at the subject facility. The report includes a narrative description of the decommissioning of the piezometers, wells, and probes and copies of well plugging reports, the originals of which were submitted directly to the Texas Water Well Drillers Board (TWWDB) by the driller. These piezometers/well/probes were plugged in general accordance with the requirements of the Texas Natural Resource Conservation Commission (TNRCC) and TWWDB and with Waste Management guidelines. The piezometers had been installed during prior hydrogeological investigations at the facility and were in the way of ongoing landfill activities. The well was part of the old groundwater monitoring system at the facility but was damaged and was not included in the currently approved groundwater monitoring system. Of the probes, three were damaged and had to be replaced, and the remaining nine were used for a study done a few years ago and were not part of the approved gas monitoring system.

As required by 30 TAC 330.113(c) of TNRCC rules, please be advised that this letter with enclosure is being placed in the operating record for the subject facility in accordance with the requirements of 30 TAC 330.113(a) and/or (b). Also, as required, this letter with enclosure is submitted to the TNRCC in triplicate.

Please be sure to contact me at telephone number (512) 272-9372 in Austin if you have any questions or comments regarding the enclosed report.

Sincerely,
Waste Management of Texas, Inc.

Rusty Fusilier

Rusty Fusilier, P.E.
Environmental Engineer

RF/rf (4.1.2)
Enclosure

cc w/enclosure: Johnny Williams (OR-4.1.2)

cc w/o enclosure: Jim Nelson
Neil Mohr
Emmett Hudson, Rust Environment & Infrastructure

(wpdoc\rusty\960809-1.wrf)

a Division of Waste Management of Texas, Inc.

Technically Complete
2373

RUST LICHLITER/JAMESON

Environment & Infrastructure
Consulting Engineers, Scientists and Planners

811 Barton Springs Road, Suite 400
Austin, TX 78704-1164
Tel. (512) 474-5500
FAX (512) 474-6325

August 6, 1996

Mr. Rusty Fusilier
Waste Management of Texas
P.O. Box 14644
Austin, Texas 78761

Re: **Piezometer/ Monitoring Well/**
Gas Probe Decommissioning
Austin Community Landfill
Permit No. MSW 249-C
Rust E&I Project No. 69020.100

Dear Rusty:

A Rust Environment & Infrastructure Inc. (Rust), Certified Professional Geologist (CPG), and the drilling team of Jack Holt & Associates, Austin, Texas, (Texas License No. 3023M) met at Austin Community Landfill June 11, 1996 through July 2, 1996 for the purpose of decommissioning nine piezometers, one ground-water monitoring well, and 12 gas monitoring probes. The piezometers decommissioned were PZ-4, PZ-6, PZ-7, PZ-10, PZ-11, PZ-13, PZ-14, PZ-19, PZ-23, and monitoring well MW-5A. The gas probes decommissioned were GP-2, GP-3, and GP-3A which were part of the gas monitoring system, and nine gas monitoring probes which were not part of the gas monitoring system designated GP-1 through GP-9.

The piezometers and wells were decommissioned according to guidelines and regulations of the State of Texas Water Well Drillers Board, the Texas Natural Resource Conservation Commission (TNRCC), and Waste Management of North America (WMNA) guidelines found in the WMNA "Site Assessment Manual." The overdrill and grout backfill method was utilized in the decommissioning of the piezometers, monitoring well, and gas probes as follows:

> The surface pads were removed from the piezometers /monitoring well / gas probes. The entire length of the piezometers /monitoring well / gas probes were re-augured with clean 6.25-inch diameter augers. The 2-inch PVC casing, screen, grout, and filter pack were completely removed from the boreholes. A neat cement slurry (5 gallons water per 9 pound bag of cement) was mixed and tremied into the boreholes via a 1-inch I.D. PVC pipe from the bottom up. Slow low pressure pumping continued until all formation water and the watery slurry mix was displaced from the top of the borehole. The tremi-pipe was slowly withdrawn with the tremi-pipe remaining below the pure slurry at all times. The augers were removed in 5-foot flights. The cement slurry was topped off after each flight was removed.

This method was used in the decommissioning of all of the above mentioned nine piezometers, monitoring well (MW-5A), gas probe GP-3 which was part of the gas monitoring system, and all nine of the gas probes (P-1 through P-9) which were not part of the gas monitoring system. Due to limited space GP-2 and GP-3A were decommissioned and GP-2A and GP-3B were reconstructed in their respective boreholes as follows:

> The surface pads were removed from the gas probes. The entire length of the gas probes were re-augured with clean 6.25-inch diameter augers. The 2-inch PVC casing and screen, grout, and filter pack were completely removed from the boreholes. The boreholes were not plugged with grout, as the clean borehole was utilized in the construction of the replacement gas probes GP-2A and GP-3B. New 2-inch PVC casing, screen, filter pack, and grout were replaced in the borehole in accordance with TNRCC gas probe construction guidelines and specifications. New well covers and concrete pads were installed as part of the surface completion.

Please find attached copies of the drillers well plugging reports submitted to the Texas Water Well Drillers Board at the TNRCC. If you should have any questions concerning the piezometer, monitoring well, and gas probe decommissioning at the Austin Community Landfill please do not hesitate to contact me at (512) 474-5500.

Regards,
Rust Environment & Infrastructure

Emmett C. Hudson

Emmett C. Hudson, C.P.G.

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number PZ4

3) Location of Well: County Travis miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☒ Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller Baker Core Drilling License Number N/A City Austin

5) Drilled 4/17 1990 ; 6) Diameter of hole 8.0 inches; 7) Total depth of well 45.0 feet.

C. Current Plugging Data

8) Date well plugged 6/25, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	45.5	5
		3/8 sack bent.

Hole plugged with cement bentonite from 0 to 45.5 feet.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88) *White - TNRCC* *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2376

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd. (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number PZ6

3) Location of Well: County Travis ______ miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☒ Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller John Webb License Number 3023 M City Austin

5) Drilled 3/30 1994 ; 6) Diameter of hole 6.62 inches; 7) Total depth of well 29.0 feet.

C. Current Plugging Data

8) Date well plugged 6/20, 1996 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 30.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	30.5	3
		1/4 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) ______ (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2377

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number PZ7

3) Location of Well: County Travis miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller John Webb License Number 3023 M City Austin

5) Drilled 3/30 1994 ; 6) Diameter of hole 6.62 inches; 7) Total depth of well 45.5 feet.

C. Current Plugging Data

8) Date well plugged 6/20, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 46.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	46.5	5
		3/8 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ______ (Owner of Well)

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

For TNRCC use only
Well No. ______
Location on map ______

Technically Complete
2378

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number PZ10

3) Location of Well: County Travis ______ miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller John Webb License Number 3023 M City Austin

5) Drilled 4/6 1994 ; 6) Diameter of hole 6.62 inches; 7) Total depth of well 45.0 feet.

C. Current Plugging Data

8) Date well plugged 6/19, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 45 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	45	5 -
		3/8 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88) *White - TNRCC* *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2379

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number PZ11

3) Location of Well: County Travis miles in ________ (N.E., S.W., etc.) direction from ________ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Within COA - 9708 Giles Rd.

Section No. ________ Block No. _ Township ________

Abstract No. ________ Survey Name ________

Distance and direction from two intersecting section lines or survey lines: ________

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller John Webb License Number 3023M City Austin

5) Drilled 3/31 1994 ; 6) Diameter of hole 6.62 inches; 7) Total depth of well 43.0 feet.

C. Current Plugging Data

8) Date well plugged 6/21, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 43.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	43.5	5
		3/8 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) ________ (Person performing plugging operations) (Signed) ________ (Owner of Well)

For TNRCC use only
Well No. ________
Location on map ________

TNRCC-0055 (rev. 07-27-88) *White - TNRCC* *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2380

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number PZ13

3) Location of Well: County Travis miles in ________ (N.E., S.W., etc.) direction from ________ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☒ Legal description: Within COA - 9708 Giles Rd.

Section No. ________ Block No. _ Township ________

Abstract No. ________ Survey Name ________

Distance and direction from two intersecting section lines or survey lines: ________

☐ See Attached map.

B. Historical Data on Well To Be Plugged (If available)

4) Driller John Webb License Number 3023M City Austin

5) Drilled 4/7 1994; 6) Diameter of hole 6.62 inches; 7) Total depth of well 38.0 feet.

C. Current Plugging Data

8) Date well plugged 6/19 -, 19 96.

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 38.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	38.5	4
		1/3 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) ________ (Person performing plugging operations) (Signed) ________ (Owner of Well)

For TNRCC use only
Well No. ________
Location on map ________

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2381

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

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Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd. (Street or RFD) Austin (City) Texas (State) 78754 (Zip)

2) Owner's Well Number PZ14

3) Location of Well: County Travis miles in ________ (N.E., S.W., etc.) direction from ________ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☒ Legal description: Within COA - 9708 Giles Rd.

Section No. ________ Block No. _ Township ________

Abstract No. ________ Survey Name ________

Distance and direction from two intersecting section lines or survey lines: ________

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller John Webb License Number 3023M City Austin

5) Drilled 4/17 1994; 6) Diameter of hole 6.62 inches; 7) Total depth of well 53.0 feet.

C. Current Plugging Data

8) Date well plugged 6/19, 19 96.

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	53.5	6
		1/2 sack bent.

Hole plugged with cement bentonite from 0 to 53.5 feet.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) ________ (Person performing plugging operations) (Signed) ________ (Owner of Well)

For TNRCC use only
Well No. ________
Location on map ________

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2382

Please use black ink.
File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

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Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd. (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number PZ19

3) Location of Well: County Travis ____ miles in ____ (N.E., S.W., etc.) direction from ____ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☒ Legal description: Within COA - 9708 Giles Rd.

Section No. ____ Block No. _ Township ____

Abstract No. ____ Survey Name ____

Distance and direction from two intersecting section lines or survey lines: ____

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller John Webb License Number 3023M City Austin

5) Drilled 4/11 1994; 6) Diameter of hole 6.62 inches; 7) Total depth of well 41.0 feet.

C. Current Plugging Data

8) Date well plugged 6/20, 1996.

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 42.0 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	42.0	4
		3/8 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) ____ (Person performing plugging operations) (Signed) ____ (Owner of Well)

For TNRCC use only
Well No. ____
Location on map ____

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2383

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number PZ23

3) Location of Well: County Travis miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☒ Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller John Webb License Number 3023M City Austin

5) Drilled 3/31 1994 ; 6) Diameter of hole 6.62 inches; 7) Total depth of well 31.51 feet.

C. Current Plugging Data

8) Date well plugged 6/21, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	25.5 -	3
		1/4 sack bent.

Hole plugged with cement bentonite from 0 to 25.5 feet.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) ______ (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2384

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number MW5

3) Location of Well: County Travis miles in ________ (N.E., S.W., etc.) direction from ________ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☒ Legal description: Within COA - 9708 Giles Rd.

Section No. ________ Block No. _ Township ________

Abstract No. ________ Survey Name ________

Distance and direction from two intersecting section lines or survey lines: ________

☐ See Attached map.

B. Historical Data on Well To Be Plugged (If available)

4) Driller Underground Resource Management License Number N/A City Austin

5) Drilled 3/29 1982 ; 6) Diameter of hole 8.0 inches; 7) Total depth of well 55.0 feet.

C. Current Plugging Data

8) Date well plugged 6/23, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	55.5	6
		1/2 sack bent.

Hole plugged with cement bentonite from 0 to 55.5 feet.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ________ (Owner of Well)

For TNRCC use only
Well No. ________
Location on map ________

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2385

Please use black ink.

File WHITE COPY with:

NRCC
.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd. (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number GP3

3) Location of Well: County Travis miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

- Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (If available)

4) Driller SW LAB License Number N/A City Austin

5) Drilled 11/23, 19 87 6) Diameter of hole N/A inches; 7) Total depth of well 30.0 feet.

C. Current Plugging Data

Date well plugged 6/23, 19 96

) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 30.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb

If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	30.5	3
		1/4 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88) *White - TNRCC Yellow - Well Owner Pink - Contractor*

Technically Complete
2386

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number GP1

3) Location of Well: County Travis miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller Baker Core Drilling License Number N/A City Austin

5) Drilled 6/4 1990 ; 6) Diameter of hole N/A inches; 7) Total depth of well 5.0 feet.

C. Current Plugging Data

8) Date well plugged 6/23, 1996.

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 5.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	5.5	1/2
		1/10 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2387

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number GP2

3) Location of Well: County Travis miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller Baker Core Drilling License Number N/A City Austin

5) Drilled 6/4 1990 ; 6) Diameter of hole N/A inches; 7) Total depth of well 15.0 feet.

C. Current Plugging Data

8) Date well plugged 6/23, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 15.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	15.5	1.5
		3/10 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) ______ (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2388

Please use black ink.

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P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

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Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number GP3

3) Location of Well: County Travis miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller Baker Core Drilling License Number N/A City Austin

5) Drilled 6/4 1990 ; 6) Diameter of hole N/A inches; 7) Total depth of well 30.0 feet.

C. Current Plugging Data

8) Date well plugged 6/23, 1996 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 30.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	30.5	3
		1/4 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2389

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd. (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number GP4

3) Location of Well: County Travis miles in _____ (N.E., S.W., etc.) direction from _____ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☒ Legal description: Within COA - 9708 Giles Rd.

Section No. _____ Block No. _ Township _____

Abstract No. _____ Survey Name _____

Distance and direction from two intersecting section lines or survey lines: _____

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller Baker Core Drilling License Number N/A City Austin

5) Drilled 6/4 1990 ; 6) Diameter of hole N/A inches; 7) Total depth of well 30.0 feet.

C. Current Plugging Data

8) Date well plugged 7/1, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 30.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	30.5	3
		1/4 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) _____ (Owner of Well)

For TNRCC use only
Well No. _____
Location on map _____

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2390

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd. (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number GP5

3) Location of Well: County Travis miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

☒ Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller Baker Core Drilling License Number N/A City Austin

5) Drilled 6/4 1990 ; 6) Diameter of hole N/A inches; 7) Total depth of well 15.0 feet.

C. Current Plugging Data

8) Date well plugged 7/1, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 15.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	15.5	1.5
		3/10 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2391

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number GP6

3) Location of Well: County Travis miles in ________ (N.E., S.W., etc.) direction from ________ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Within COA - 9708 Giles Rd.

Section No. ________ Block No. _ Township ________

Abstract No. ________ Survey Name ________

Distance and direction from two intersecting section lines or survey lines: ________

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller Baker Core Drilling License Number N/A City Austin

5) Drilled 6/4 1990; 6) Diameter of hole N/A inches; 7) Total depth of well 5.0 feet.

C. Current Plugging Data

8) Date well plugged 7/1, 19 96.

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 5.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb

If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	5.5	1/2
		1/10 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ________ (Owner of Well)

For TNRCC use only
Well No. ________
Location on map ________

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2392

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number GP7

3) Location of Well: County Travis miles in ________ (N.E., S.W., etc.) direction from ________ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Within COA - 9708 Giles Rd.

Section No. ________ Block No. _ Township ________

Abstract No. ________ Survey Name ________

Distance and direction from two intersecting section lines or survey lines: ________

☐ See Attached map.

B. Historical Data on Well To Be Plugged (If available)

4) Driller Baker Core Drilling License Number N/A City Austin

5) Drilled 6/4 1990 ; 6) Diameter of hole N/A inches; 7) Total depth of well 5.0 feet.

C. Current Plugging Data

8) Date well plugged 6/25, 1996.

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 5.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	5.5	1/2
		1/10 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ________ (Owner of Well)

For TNRCC use only
Well No. ________
Location on map ________

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2393

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number GP8

3) Location of Well: County Travis miles in ______ (N.E., S.W., etc.) direction from ______ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Within COA - 9708 Giles Rd.

Section No. ______ Block No. _ Township ______

Abstract No. ______ Survey Name ______

Distance and direction from two intersecting section lines or survey lines: ______

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller Baker Core Drilling License Number N/A City Austin

5) Drilled 6/4 1990 ; 6) Diameter of hole N/A inches; 7) Total depth of well 15.0 feet.

C. Current Plugging Data

8) Date well plugged 6/25, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

10) Name of Driller or other person actually performing the plugging operations John Webb

If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	15.5	1.5
		3/10 sack bent.

Hole plugged with cement bentonite from 0 to 15.5 feet.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ______ (Owner of Well)

For TNRCC use only
Well No. ______
Location on map ______

TNRCC-0055 (rev. 07-27-88)

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

Technically Complete
2394

Please use black ink.

File WHITE COPY with:

TNRCC
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

State of Texas

PLUGGING REPORT

(This form must be completed and filed with the TNRCC within 30 days following the date the well is plugged as required by current statutory law.)

Texas Water Well Drillers Advisory Council
P.O. Box 13087
Austin, Texas 78711
Phone (512) 239-0528

A. Well Identification and Location Data

1) Owner Waste Management of Texas-ACL (Name) Address 9708 Giles Rd., (Street or RFD) Austin, (City) Texas (State) 78754 (Zip)

2) Owner's Well Number GP9

3) Location of Well: County Travis miles in ____ (N.E., S.W., etc.) direction from ____ (Town)

Driller or other person performing the plugging operations must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Scale Texas County General Highway Map and attach the map to this form.

■ Legal description: Within COA - 9708 Giles Rd.

Section No. ____ Block No. _ Township ____

Abstract No. ____ Survey Name ____

Distance and direction from two intersecting section lines or survey lines: ____

☐ See Attached map.

B. Historical Data on Well To Be Plugged (if available)

4) Driller Baker Core Drilling License Number N/A City Austin

5) Drilled 6/4 1990 ; 6) Diameter of hole N/A inches; 7) Total depth of well 30.0 feet.

C. Current Plugging Data

8) Date well plugged 6/25, 19 96 .

9) Sketch of well: Using space at right, show method of plugging the well including all casing and cemented intervals.

Hole plugged with cement bentonite from 0 to 30.5 feet.

10) Name of Driller or other person actually performing the plugging operations John Webb
If a water well driller plugged the well, give the driller's license no. 3023M

11) Casing and cementing data relative to the plugging operations:

Diameter (inches)	Casing Left in Well	
	From (feet)	To (feet)
none		

Cement Plug(s) Placed in Well		Sack(s) of cement used
From (feet)	To (feet)	
0	30.5	3
		1/4 sack bent.

D. Validation of Information Included in Form

I hereby certify that this well was plugged by me (or under my supervision) and that all of the statements herein are true and accurate to the best of my knowledge and belief.

Company or Individual's Name Jack H. Holt & Associates (Type or print)

Address 2220 Barton Skyway (Street or RFD) Austin (City) Texas (State) 78704 (Zip)

(Signed) John Webb (Person performing plugging operations) (Signed) ____ (Owner of Well)

For TNRCC use only
Well No. ____
Location on map ____

White - TNRCC *Yellow - Well Owner* *Pink - Contractor*

TNRCC-0055 (rev. 07-27-88)

Technically Complete
2395

MSW 249

RUST LICHLITER/JAMESON

Environment & Infrastructure
Consulting Engineers, Scientists and Planners

811 Barton Springs Road, Suite 400
Austin, TX 78704-1164
Tel. (512) 474-5500
FAX (512) 474-6325

RECEIVED
OCT -4 96
CENTRAL RECORDS

96 SEP 27 11:29
SOLID WASTE

July 18, 1996

Mr. Rusty Fusilier, P.E.
Waste Management of Texas
9708 Giles Road
Austin, Texas 78754

RE: Monitoring Well Installation
Austin Community Landfill
Permit No. MSW 249-C
Rust E&I Project No. 69020.100

Dear Rusty:

The installation of two monitoring wells, MW-20 and MW-21 was conducted at the Austin Community Landfill (ACL), Austin, Texas, June 11-12, 1996. The installation of the wells was performed by Texas licensed water well drillers Jack Holt & Associates, Inc., Austin, Texas (License No. 3023M).

A Rust Environment & Infrastructure (Rust) hydrogeologist/Certified Professional Geologist (C.P.G.) provided oversight of the installations as well as the logging of the boreholes and preparation of the construction summaries.

The monitoring wells were installed in general accordance with the Texas Natural Resource Conservation Commission (TNRCC) approved *Ground Water Monitoring System Design Report* (GWMSDR) for Austin Community Landfill, revised March, 1996 and in accordance with 30 TAC 330.242, the Texas Water Well Drillers Board guidelines and rules, the American Society for Testing and Materials (ASTM) D5092, and the Waste Management Site Assessment Manual, Appendix A. The total depth of each well and screened interval were specified on site by the Rust hydrogeologist in accordance with the GWMSDR. The drill rig employed was a CME-55 utilizing dry hollow-stem auger (HSA) methods. The well bore holes were drilled with 6.62-inch O.D. HSAs. Dry drilling methods were employed with continuous sampling using a five-foot, core-barrel system or a two-foot split spoon. The soil core samples were identified and described manually and visually in the field using the ASTM D2488 classification system. This information was recorded on the Soil Borehole Logs for each boring.

The wells were constructed of two-inch, Schedule 40, PVC flush-thread riser and .010-inch, factory slotted well screen. Colorado Silica filter sand (20-40 grade) was placed into the annulus to two feet above the slotted screened interval. A three foot bentonite seal was placed above the filter pack and allowed to hydrate with the addition of distilled water before the remaining annular space was filled with a Portland Type I cement-bentonite grout to within two feet of the ground surface. Confirmation of depths of the well materials was accomplished with a weighted fiberglass tape. The augers were throughly decontaminated by steam cleaning immediately prior to the drilling of each borehole.

Concrete pads were constructed after the completion of the well installations. The pads were constructed six-inch thick and six-feet square at the base of the riser with steel re-enforcement. Five- foot in length by four -inch diameter round anodized aluminum locking well covers were placed over the riser approximately two

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2396

feet into the cement. Construction details are shown in the Monitoring Well Construction Summary for each installation.

Monitoring well MW-21 was developed by over-pumping June 21, 1996 with a dedicated pneumatic bladder pump. The well ran dry before pH, specific conductivity, and temperature readings of the ground water could be obtained. However, the water which was removed is considered formation water as the well was installed dry and the water was consistently clear throughout pumping. Details of the monitoring well development are found in the attached Monitor Well Construction summary logs. MW-20 was dry during and after drilling and was not developed at this time.

MW-20 and MW-21 were located in general accordance with Figure No. 4B of the Austin Community Landfill GWMSDR and both serve as Point Of Compliance (P.O.C.) monitoring points. Each monitoring well was surveyed by a Rust surveyor to determine location, ground surface elevation, and elevation of the metal protective collar.

Piezometers which were completed and developed to ground-water monitoring well standards in the spring of 1994 will now become monitoring wells as part of the ground-water monitoring system. These piezometers with the corresponding monitoring well designations are as follows: PZ-15 / MW-1B, PZ-16 / MW-2B, PZ- 17 / MW-12, PZ-18 / MW-11, PZ-21/ MW-5A, PZ-22 / MW-15, and PZ-24/ MW-13. These wells were developed once again June 24, 1996 by over-pumping with dedicated pneumatic bladder pumps. The well water in each well appeared perfectly clear during the duration of the pumping of three well volumes of water or until the well was pumped dry.

Details of the soil borehole logs, monitoring well construction summaries, and the drillers well reports and logs are attached. The original copies of the drillers well reports were submitted to the Texas Water Well Drillers Board by the drillers.

MW-19 as part of the ground-water monitoring system recommended in the GWMSDR was not installed at this time. This proposed POC well location is far removed from landfill operations at this time. The well shall be installed as future landfill construction advances near enough to warrant initiation of monitoring this area.

It is my professional opinion, the above ground-water monitoring system has been constructed in substantial accordance with the TNRCC- approved GWMSDR. This report was prepared , as required by 30 TAC 330.231, to provide a system consisting of "a sufficient number of wells, installed at appropriate locations and depths, to yield representative ground-water samples from the uppermost aquifer."

This letter also serves to certify that the ACL facility now meets the requirements set forth in 30 TAC 330.231-330-235.

Please contact me at (512) 474- 5500 if you have any questions concerning the installation of the ground-water monitoring system at the Austin Community Landfill.

Regards,

Emmett C. Hudson

Emmett C. Hudson C.P.G. #8605
Rust Environment & Infrastructure

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2397

ACL-4.1.2
9/30/96

Barry R. McBee, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
John M. Baker, *Commissioner*
Dan Pearson, *Executive Director*

TEXAS NATURAL RESOURCE CONSERVATION COMMISSION

Protecting Texas by Reducing and Preventing Pollution

September 30, 1996

Mr. Rusty Fusilier, P.E.
Site Engineer/WMTX
Austin Community LF
9708 Giles Road
Austin, TX 78754

RE: Solid Waste - Travis County
WMI/Texas Waste Systems, Inc. - MSW Permit No. 249-C
Ground-Water Monitoring System Installation Report
Ground-Water Monitoring System Installation Certification

Dear Mr. Fusilier:

On July 24, 1996, we received a letter-report documenting the installation of two new ground-water monitoring wells (MW-20, and MW-21) at the subject facility. The letter-report was submitted under cover letter dated July 23, 1996, and signed by Rusty Fusilier, P.E., Environmental Engineer, Waste Management of Texas, Inc. (WMTX). On September 27, 1996, we received a revised copy of the letter-report that also included the certification that the ground-water monitoring system installed at the subject facility meets the requirements set forth in 30 Texas Administrative Code (TAC) §§330.231 - 330.235. The letter-report, dated July 18, 1996, was prepared and signed by Mr. Emmett C. Hudson, C.P.G., Rust Environment & Infrastructure Inc. Also included with the letter-report are geologic boring logs, Monitor Well Data Sheets, and State of Texas Well Reports for the newly installed monitoring wells, MW-20 and MW-21.

We have completed the review of these submittals and find them to be acceptable. ***The facility now has a ground-water monitoring system that is in compliance with 30 TAC §§330.231-330.235.***

If you have any questions about this matter, please call Mr. Todd Council, Geologist, Ground-Water Monitoring Team, at (512) 239-6093.

Sincerely,

Ada Lichaa

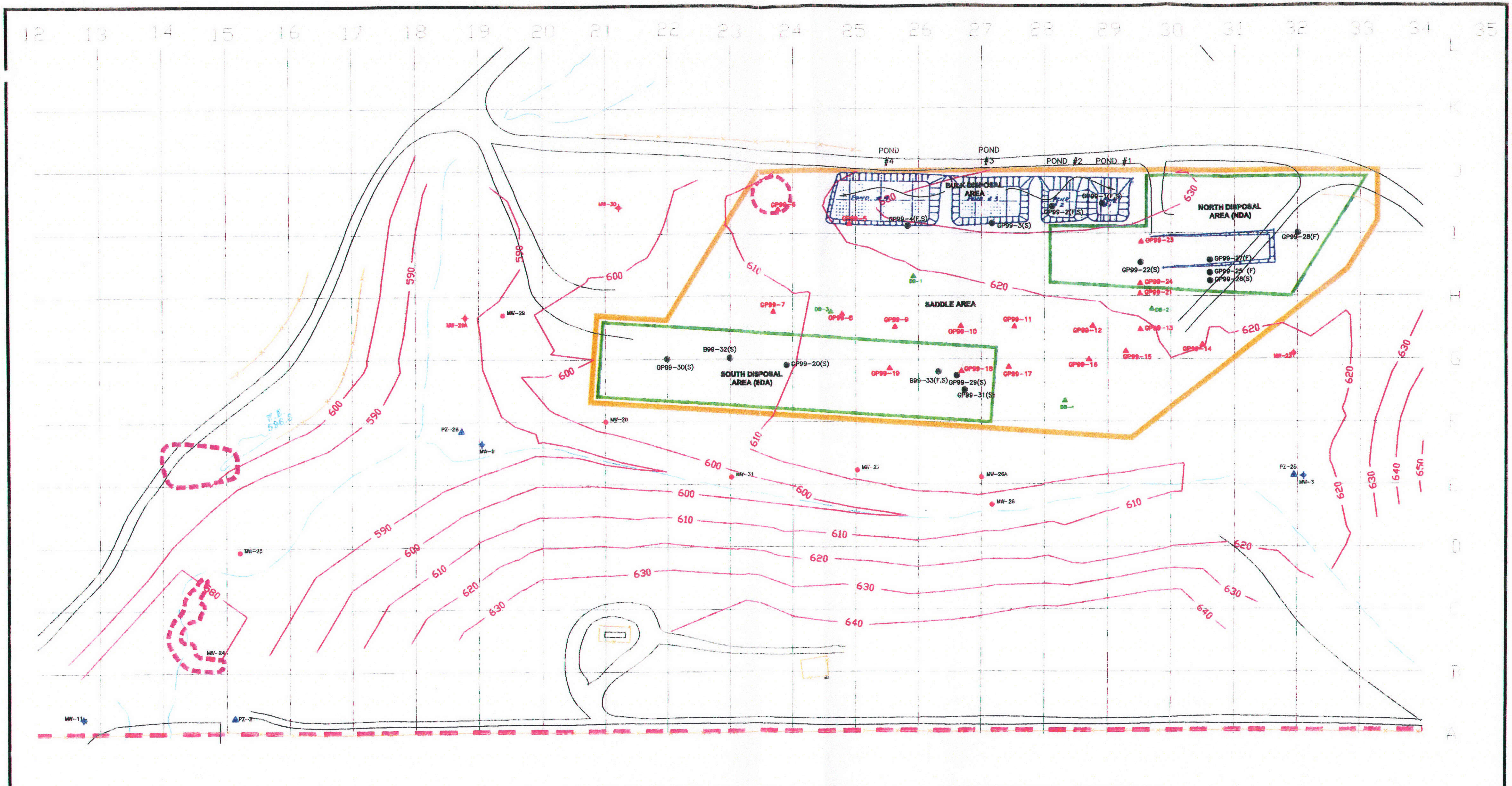
Ada Lichaa, Team Leader
Ground-Water Monitoring Team, Municipal Solid Waste Division

AAL/TAC

cc: TNRCC Region 11 Office - Chris Smith
Jim Nelson
Johnny Williams (OR-4.1.2)
Neil Mohr
Emmett Hudson Rust

Technically Complete
2398

BORING LOGS FROM IWU INVESTIGATION



LEGEND

- MW- GW MONITORING WELL (EXISTING)
- PZ- PIEZOMETER (EXISTING)
- MW- INVESTIGATION WELL
- MW- SOIL BORING
- GEOPROBE PIEZOMETER FOR FLUID SAMPLING, BASED ON SATURATED LOCATIONS
- B- DEEP BORINGS
- B- GEOPROBE BORING
- BULK LIQUID DISPOSAL AREAS - WIMBERLY 1972 & AERIAL PHOTOGRAPHS
- 2000 TOPOGRAPHIC SURFACE
- 1998 SURFACE IMPROVEMENTS
- PROPERTY BOUNDARY
- DRAINAGE FEATURE
- CLOSED INDUSTRIAL WASTE UNIT BOUNDARY (FROM SURVEY DATED 1986)
- AREA OF UNKNOWN OR SUSPECTED INDUSTRIAL WASTE MANAGEMENT, FEBRUARY 4, 1973

75 0 150

Scale 1"= 150'

ThermoRetec

Technically Complete
2400

WASTE MANAGEMENT OF TEXAS, INC.
AUSTIN COMMUNITY LANDFILL
WASMN-04198-500

BORING AND WELL LOCATION MAP

CURRENT DATE	053100	CADD FILE	SAMPLE LOC

FIGURE 2-1

HOLE No. GP-99-1

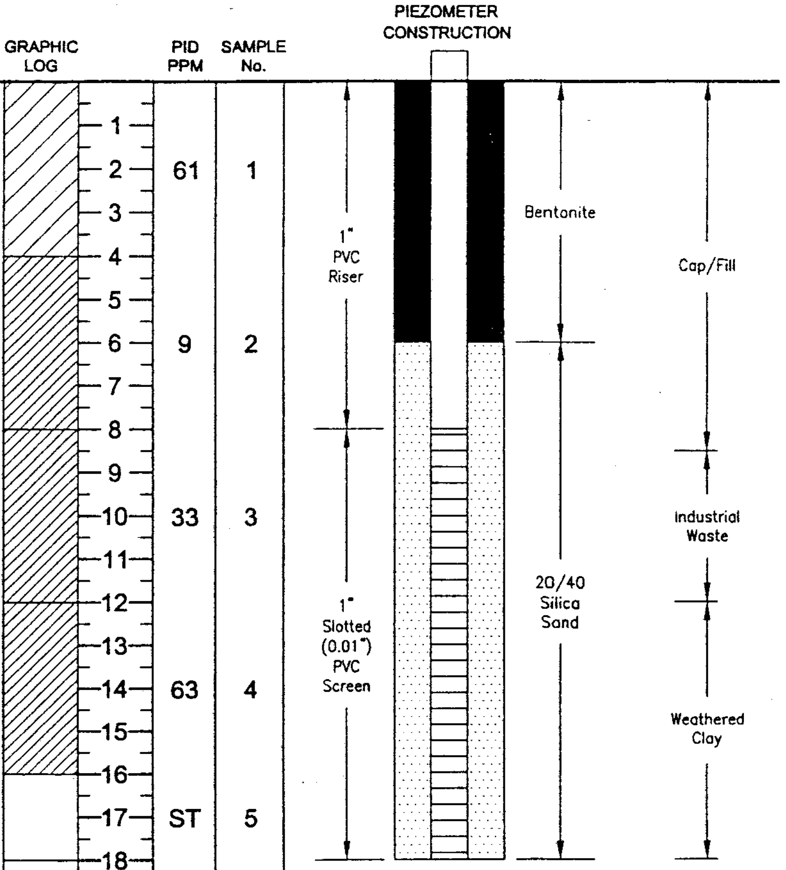
PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Bulk Storage Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/2/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 18'

ThermoRetec

DESCRIPTION	SOIL TYPE		PID PPM	SAMPLE No.
0-4: Clay, tan with orange mottling, trace silt, trace fine sand, stiff, hard, medium plasticity, dry.	CL	2	61	1
4-8: Top 2 feet clay, tan with orange mottling, trace silt, trace medium sand, stiff, hard, medium plasticity, dry. BTM 2 feet brown clay with trace sand, high plasticity, moist.	CH	6	9	2
8-12: Clay, top 8 inches tan clay with trace sand, dry, stiff. 20 feet black stained clay, trace sand, grading to tan clay with yellow staining at 3 feet, moist, high plasticity, bottom 6 inches gray clay, trace sand, dry (waste).	CH	10	33	3
12-16: Clay, tan, orange-tan, and gray mottled, hard, high plasticity, slightly moist. Vertical gray clay structure along long axis of sample.	CH	14	63	4
16-18: Shelby Tube.	-	17	ST	5

Total Depth = 18 feet



4198/logs/gp1-31

Technically Complete
2401

ThermoRetec

HOLE No. GP-99-2

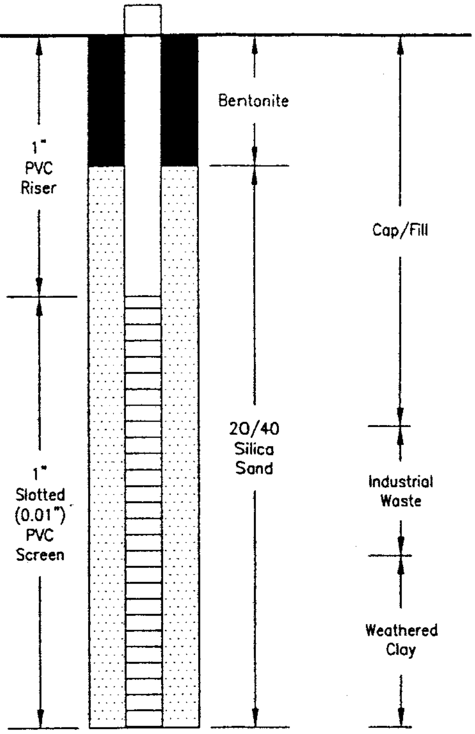
PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Bulk Storage Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/2/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0-4: Clay, top 2 feet tan to brown (black bottom 3 inches), hard, dry. Bottom 2 feet clay, tan, gray, and orange, trace sand, dry, hard.	CL	50	1
4-6: Shelby Tube (refusal). No sample collected.	-	-	2
6-10: Top 3 feet clay, brown, tan, and orange, trace sand, dry, highly plastic. Bottom 1 foot clay, yellow-green, moist, highly plastic (waste).	CH	5	3
10-14: Top 2 feet clay, yellow-green, moist, highly plastic (waste). Bottom 2 feet clay, tan with orange and very light tan to off-white mottling, hard, plastic, slightly moist.	CH	8	4
14-16: Shelby Tube.	-	-	5

Total Depth = 16 feet

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2402

HOLE No. GP-99-3

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Bulk Storage Area
PROJECT #: WASMN-04198-400

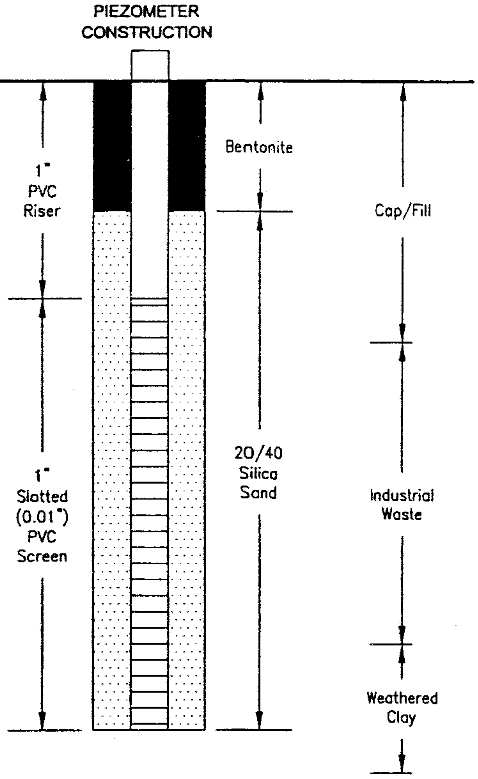
DATE DRILLED: 12/2/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG	PID PPM	SAMPLE No.
0–4: Clay, upper 2 feet brown to gray-brown, stiff, hard, dry. Bottom 2 feet clay, tan to light brown, trace sand, dry. Bottom 4 inches moist.	CL	▨	0	1
4–6: Shelby Tube.	-		-	2
6–10: Top 4 inches clay, gray-tan, hard dry. Next 4 inches saturated, white, elongated crystal mass (size approximately similar to rice grains). Next 10 inches dark brown to brown crystal mass. Saturated crystals much smaller than white crystals above. Bottom 6 inches tan, silty clay with trace small gravel, saturated.	CL	▨	2	3
10–14: Top 3 feet white crystals (waste) grading to pink-brown silt, trace clay saturated. Bottom 6 inches clay, tan with yellow staining, moist. Bottom 1 foot tan-orange and gray clay with filled fractures and some horizontal laminae, slightly moist, highly plastic, hard.	CL	▨	0	4
14–16: Shelby Tube – no recovery. Fluid in hole turned Shelby Tube a purplish-pink color.	-		-	5

Total Depth = 16 feet

PIEZOMETER CONSTRUCTION



Technically Complete
2403

HOLE No. GP-99-4

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Bulk Storage Area
PROJECT #: WASMN-04198-400

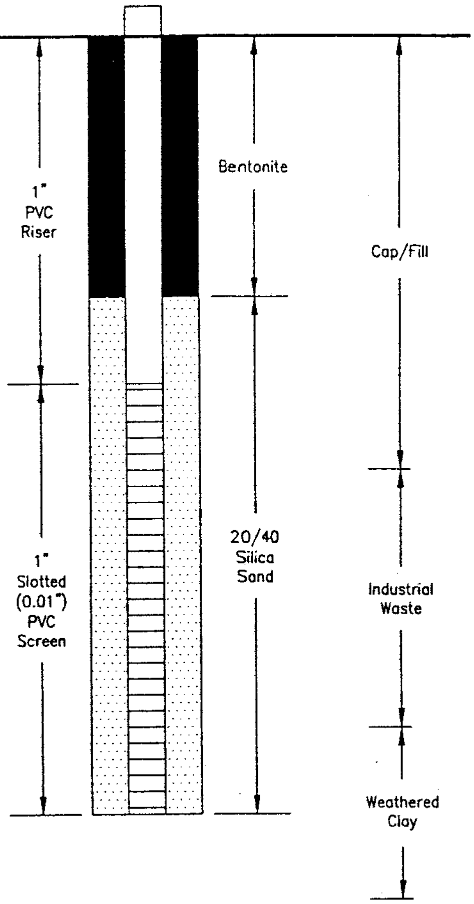
DATE DRILLED: 12/3/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 20'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0-4: Top 2 inches clay, red with tan and gray mottling, hard, highly plastic, dry. Middle 3 feet clay, tan with orange and gray mottling, hard, plastic, dry. Bottom 10 inches clay, brown, trace iron staining, trace silt, dry, hard.	CH	0	1
4-6: Shelby Tube.	-	-	2
6-10: Clay, tan to light brown with some orange mottling, trace sand and gravel, dry at top increasing to slightly moist at bottom, medium plasticity. Bottom 1 inch has black-filled fractures.	CH	2	3
10-14: Top 8 inches clay, tan with orange mottling, wet, soft. Middle 3 feet dark brown crystals, wet. 3 inches off-white soft clay in middle. Bottom 4 inches tan to light brown, clayey silt, moist, soft.	CH	40	4
14-18: Top 1.5 foot tan silty clay, with some dark brown staining, moist. Bottom 2.5 feet tan to orange-tan clay with gray mottling and vertical structures, trace small woody (roots) material near bottom, hard, highly plastic, slightly moist.	CH	50	4
18-20: Shelby Tube.	-	-	5

Total Depth = 20 feet

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2404

HOLE No. GP-99-5

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Bulk Storage Arae
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/3/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.	REMARKS	
0-4: Clay (top 4 inches wet), tan and gray clay with orange mottling, trace iron staining, trace white crystals, trace gravel, hard, moderate plasticity, dry.	CH	▨				Backfilled with hydrated bentonite.	
		▨	1				
		▨	2	0	1		
		▨	3				
4-8: Clay, top 2 feet gray to gray with orange and medium gray mottling, hard, plastic, dry. Bottom 6 inches tan to off-white silty clay. Bottom 2 feet clay, dark brown (waste), moist. Bottom 4 inches tan, silty clay, slightly moist, moderate plasticity.	CH	▨	4				Industrial/ Waste
		▨	5				
		▨	6	175	2		
		▨	7				
8-12: Clay, tan to light brown with sections of orange clay with tan and gray mottling, hard, dry, high plastic.	CH	▨	8				
		▨	9				
		▨	10	120	3		Fill
		▨	11				
12-16: Clay tan to orange-brown, hard, dry, highly plastic.	CH	▨	12				
		▨	13				
		▨	14	105	4		Weathered Clay
		▨	15				
Total Depth = 16 feet			16				
			17				
			18				
			19				
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			35				

4198/logs/gp1-31

Technically Complete
2405

HOLE No. GP-99-6

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Suspected Waste Area
PROJECT #: WASMN-04198-400

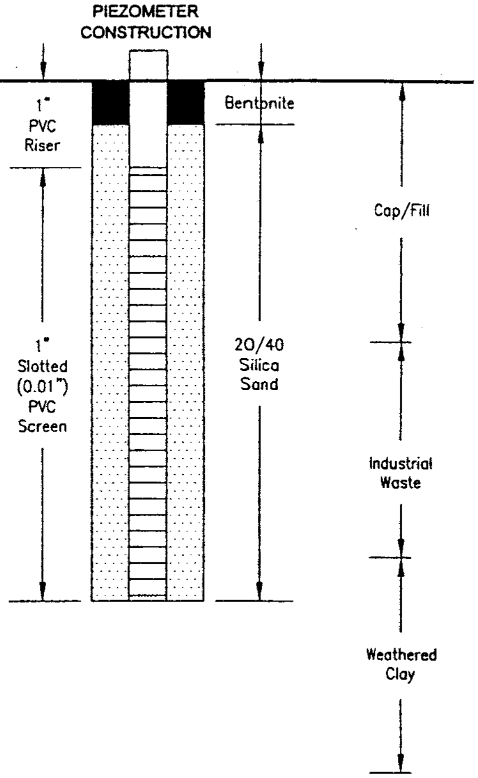
DATE DRILLED: 12/3/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG	PID PPM	SAMPLE No.
0–4: Clay, light brown with tan and gray and orange mottling, stiff, high plasticity, slightly moist, trace gravel, some black mottling near bottom (fill).	CH	▨	12	1
4–6: Shelby Tube.	-		-	2
6–10: Clay, top 4 inches orange-tan with black mottling, black clay trace gravel, tan to brown clay trace orange and black mottling, slightly moist, moderate plasticity (possibly waste/fill).	CL	▨	7	3
10–14: Clay, top 10 inches (fill), light brown with gray-brown mottling. Bottom 3 feet, 2 inches tan clay with orange and gray mottling and gray laminae to 1/4 inch dry, hard, highly plastic.	CH	▨	9	4
14–16: Shelby Tube. Lost Shelby Tube in hole.	-		-	5

Total Depth = 16 feet

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2406

HOLE No. GP-99-7

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

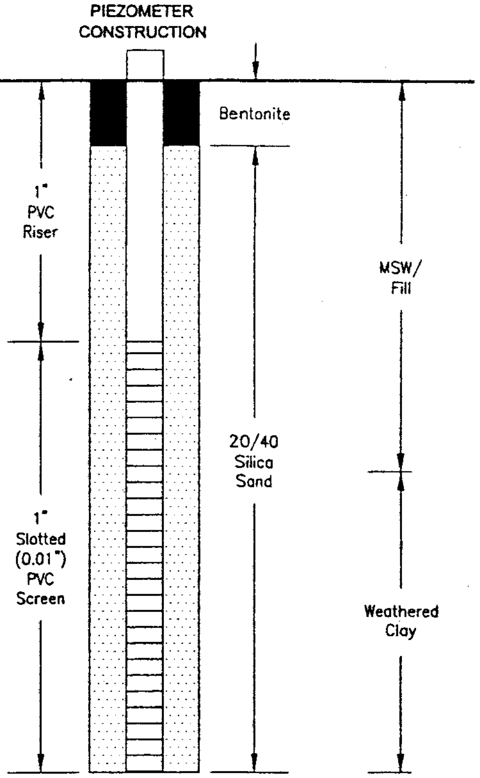
DATE DRILLED: 12/6/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0–4: Top 6 inches clay with some plastic and insulation material, trace sand and gravel. Bottom 2.5 feet wood debris, black and red wood, trace gray-tan clay (MSW).	CH	7.6	1
4–8: Clay, gray to gray-brown clay (fill), wood at top, black interval in middle of sample with wood (MSW). Bottom 2.5 feet orange-tan clay, slightly moist, stiff, highly plastic (fill).	CH	11	2
8–12: Clay, top 1 foot tan to gray-brown clay, slightly moist, stiff, moderate plasticity (fill). Bottom 3 feet tan to orange-tan clay, trace gray mottling, slightly moist, stiff, highly plastic (WC.	CH	7	3
12–16: Clay, tan to orange-brown, trace silt, gray mottling, some horizontal laminae, hard, slightly moist (WC).	CH	6	4

Total Depth = 16 feet

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2407

HOLE No. GP-99-8

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 2"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/6/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 20'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.	REMARKS	
0-4: Top 1 foot tan to gray-brown clay, trace orange mottling, hard, dry. Bottom 3 feet, gray-brown clay, wood, trace gravel, trace silt, slightly moist, highly plastic (MSW).	CH	▨				Backfilled with hydrated bentonite.	Cap/Fill
		▨	1				
		▨	2	17	1		
		▨	3				
4-8: Clay, top 1 foot gray-brown, stiff, slightly moist (fill). Bottom 3 feet tan to orange-brown clay, trace orange and gray, highly plastic (fill).	CH	▨	4				
		▨	5				
		▨	6	4	2		
		▨	7				
8-12: Clay, tan to light brown with orange and gray mottling, slightly moist, stiff, highly plastic. No horizontal structures (fill).	CH	▨	8				Fill
		▨	9				
		▨	10	6	3		
		▨	11				
12-16: Clay, tan to orange-brown to gray-brown, stiff, slightly moist, highly plastic. Bottom 1 foot has trace horizontal laminations (WC).	CH	▨	12				
		▨	13				
		▨	14	4	4		
		▨	15				
16-20: Clay, tan to orange-brown, stiff, slightly moist, highly plastic (WC).	CH	▨	16				
		▨	17				Weathered Clay
		▨	18	4	5		
		▨	19				
Total Depth = 20 feet			20				
			21				
			22				
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			35				

4198/logs/gp1-31

Technically Complete
2408

HOLE No. GP-99-9

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

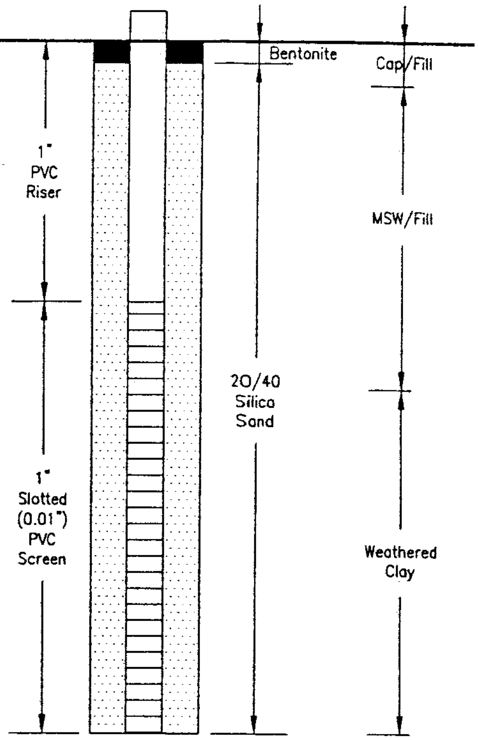
DATE DRILLED: 12/6/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0–4: Top 1 foot clay, tan-orange, some black, trace silt, stiff, slightly moist, plastic (fill). Bottom 2.5 feet dark brown to gray clay, plastic, wood, and glass fragments (MSW), moist, moderate plasticity.	CL	7	1
4–8: Clay, gray-brown, trace silt, plastic bag, insulation, aluminum can fragments, moist, moderate plasticity (MSW).	CL	13	2
8–12: Clay, tan to orange-brown, with gray clay-filled fractures. Some high-angle fractures in clay, plastic to highly plastic, slightly moist contact at 8.2 feet (WC).	CH	7.5	3
12–16: Clay, tan to orange-tan, vertical fracture infilled with gray clay, high-angle fractures, slightly moist (WC).	CH	3	4

Total Depth = 16 feet

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2409

HOLE No. GP-99-10

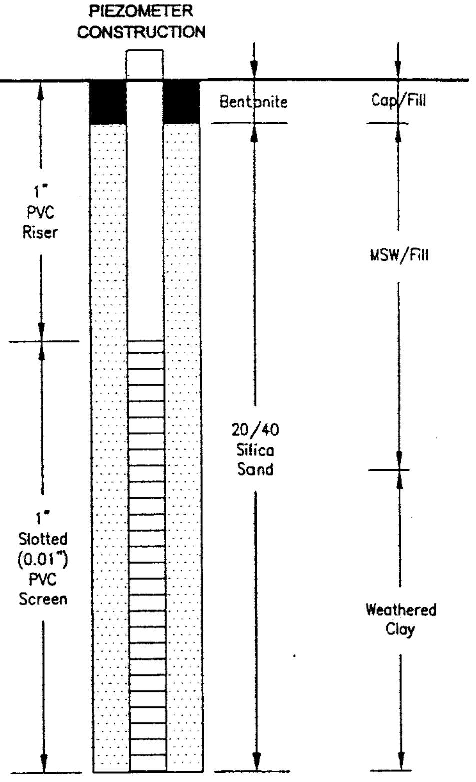
PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/6/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE		PID PPM	SAMPLE No.
Top 1.5 foot clay, gray-brown with iron staining, stiff, slightly moist, highly plastic (fill). Bottom 1.5 foot clay, gray and tan with wood, fibers, plastic bag, and some stones (MSW). Clay, highly plastic, slightly moist (fill).	CH	2	8.5	1
4-8: Clay, tan to orange-brown, with gray mottling, slightly moist, highly plastic, wood, plastic, and black-stained clay, 4- inch layer in center of sample (MSW/fill).	CH	6	5	2
8-12: Top 1 foot tan-orange and gray clay with black mottling, highly plastic, slightly moist (fill). Bottom 3 feet tan-orange clay with high-angle fractures and gray clay-filled fractures and horizontal laminations, roots, moist, highly plastic, stiff (WC).	CH	10	3	3
12-16: Clay, tan to orange-tan with gray horizontal laminations and gray vertical clay-filled fractures, slightly moist, highly plastic, stiff (WC).	CH	14	4	4

Total Depth = 16 feet



4198/logs/gp1-31

Technically Complete
2410

HOLE No. GP-99-11

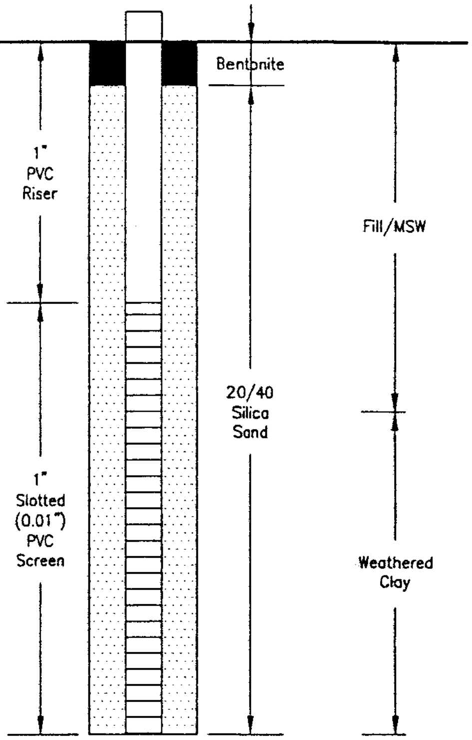
PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400
DATE DRILLED: 12/6/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0-4: Clay, gray-brown, orange, and tan with black mottling and MSW (glass, plastic, plastic bags, wood). Clay highly plastic, slightly moist, stiff (MSW/fill).	CH	2	1
4-8: Clay, gray-brown, trace silt, trace orange mottling at bottom. No structures, no laminae. Trace MSW (plastic, glass, metal), clay highly plastic, slightly moist, stiff (MSW/fill).	CH	3	2
8-12: Clay, tan to orange-tan and gray, slightly moist, highly plastic, stiff (fill/WC contact at 8.5).	CH	4.5	3
12-16: Clay, tan to orange-brown with gray clay-filled fractures and horizontal structures, high-angle fractures (WC), roots.	CH	4	4

Total Depth = 16 feet

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2411

HOLE No. GP-99-12

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

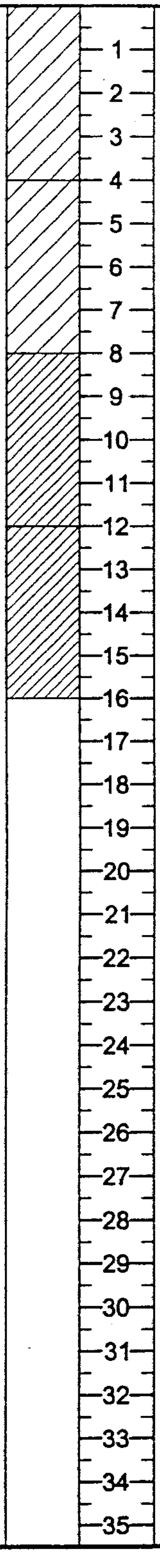
DATE DRILLED: 12/7/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

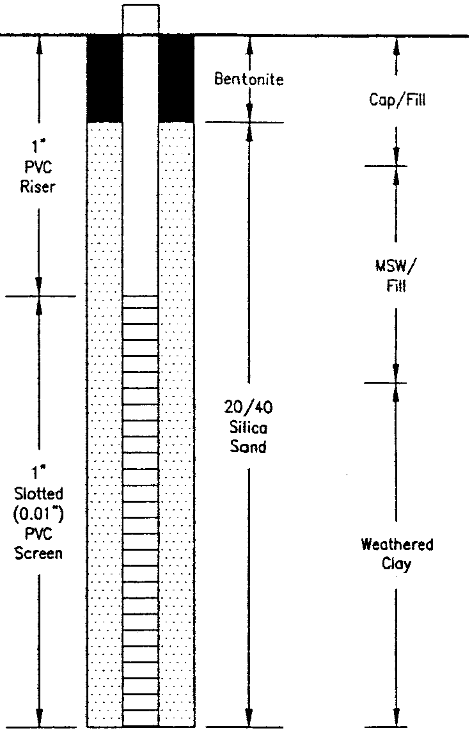
DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0-4: Clay, top 4 inches silty clay, tan to orange-brown clay to 3 feet, becoming black with gravel paper, wood, glass, slightly moist, moderate plasticity, stiff (MSW/fill).	CL	6.5	1
4-8: Clay, brown at top to gray-brown, trace gravel, stiff, slightly moist, moderate plasticity (fill).	CL	3	2
8-12: Clay, tan to orange-brown with gray clay-filled fractures, roots and horizontal laminations, stiff, highly plastic, slightly moist (WC contact at 8 feet).	CH	1	3
12-16: Clay, orange-brown to tan, with gray clay-filled fractures and horizontal laminations. Stiff, highly plastic, slightly moist (WC).	CH	1	4

Total Depth = 16 feet

GRAPHIC LOG



PIEZOMETER CONSTRUCTION



Technically Complete
2412

HOLE No. GP-99-13

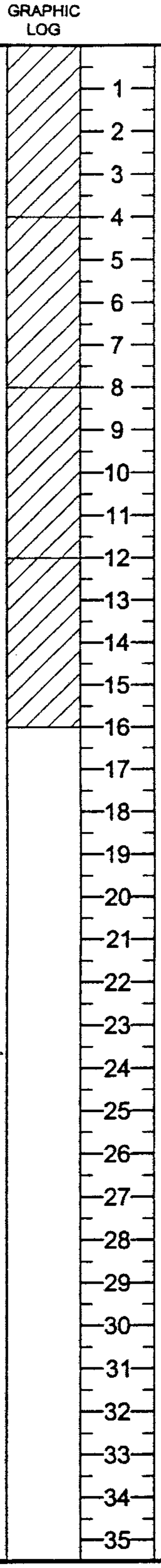
PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

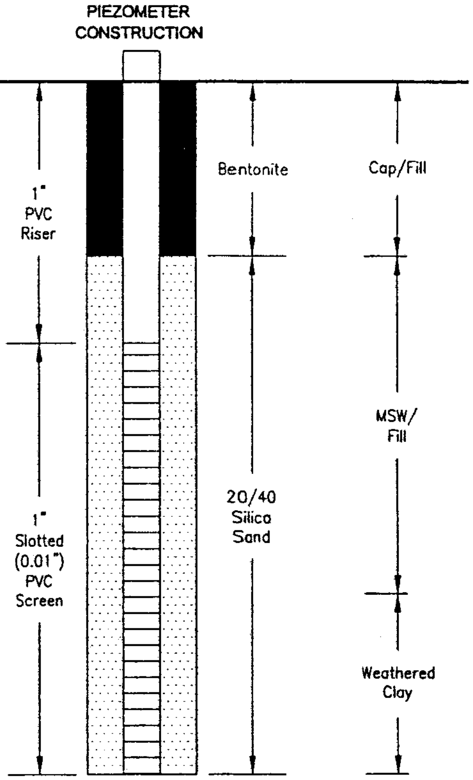
DATE DRILLED: 12/7/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0-4: Clay, tan to light orange-brown, trace gravel, trace silt, slightly moist, moderate plasticity, stiff (fill).	CL	2.5	1
4-8: Clay, top 6 inches tan to orange-brown, grading to greenish-brown and to dark brown, some metal (rusted) in middle of sample. Bottom 2 feet dark brown to black, some gravel, very stiff, plastic, slightly moist (fill/MSW).	CL	0.5	2
8-12: Clay, dark brown at top grading to tan to light brown with orange and gray mottling, with some black mottling throughout, stiff, slightly moist, moderate plasticity (Contact fill/WC at 11.8 feet).	CL	0.0	3
12-16: Clay, tan to orange-brown with tan horizontal laminae. Some vertical, gray, clay-filled fractures, trace high-angle fractures, slightly moist.	CL	0.0	4

Total Depth = 16 feet





Technically Complete
2413

HOLE No. GP-99-14

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

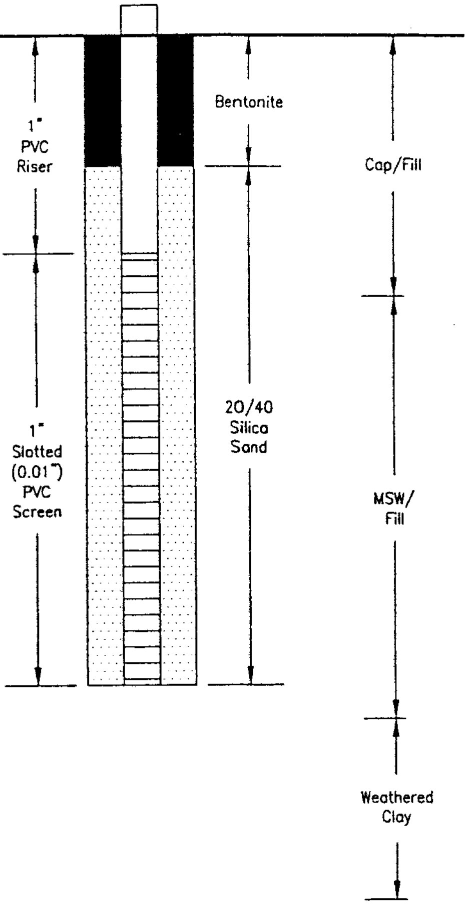
DATE DRILLED: 12/7/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 20'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0-4: Clay, tan with orange and gray mottling, dry, friable, slightly plastic (fill).	CL	-	1
4-8: Clay, top 1 foot tan, orange and gray, grading to tan to orange with black at 2.5 feet. Bottom 1.5 foot black clay with gravel. MSW at bottom (plastic bags, glass, paper, cardboard), clay, slightly moist, stiff, moderate plasticity (fill/MSW).	CL	-	2
8-12: Clay, dark gray at top grading to tan with glass and plastic at 1.5 foot. Bottom 2.5 feet black to dark gray with white plastic, slightly, moist, stiff, highly plastic (MSW/fill).	CH	-	3
12-16: Clay, gray-brown, MSW at top (3 inches glass, plastic, and paper), trace gravel, black clay mottling to 3.5 feet. Bottom 0.5 foot clay, tan to orange-brown with gray areas, slightly moist, highly plastic, stiff (WC contact at 15.8 feet).	CH	-	4
16-20: Clay, orange with tan and gray clay-filled fractures, roots, very stiff, slightly moist, highly plastic (WC).	CH	-	5

Total Depth = 20 feet

PIEZOMETER CONSTRUCTION



Technically Complete
2414

HOLE No. GP-99-15

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

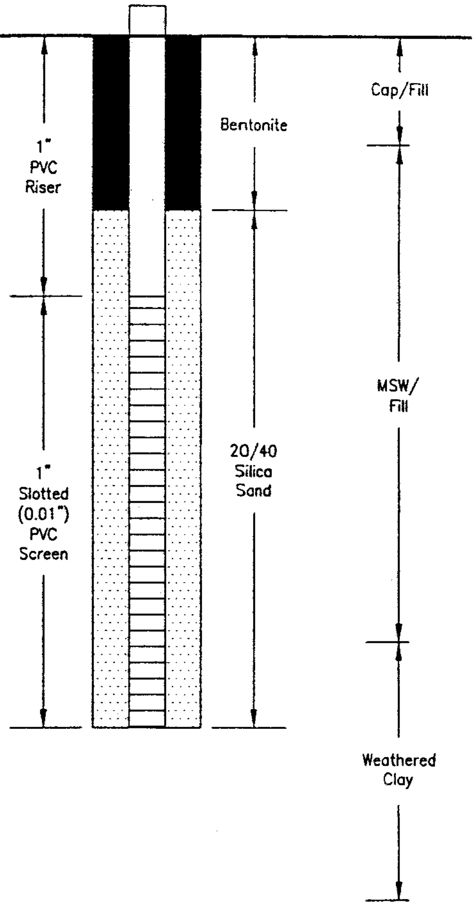
DATE DRILLED: 12/7/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 20'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0–4: Clay, 1.5 foot tan, gray and orange, dry, stiff, moderate plasticity. Bottom 2.5 feet clay, brown to tan with gray mottling, some black mottling, slightly moist, plastic, stiff, trace white plastic (fill/MSW).	CL	1.6	1
4–8: Clay, tan to orange-brown with gray mottling. Some black clay intervals in middle of sample. Bottom 8 inches of sample wood, fibers, metal, plastic and plastic bag (fill/MSW).	CL	6	2
8–12: Clay, brown to gray-brown mixed with intervals (4 – 6 inches) of MSW (paper, fiber, wood, glass, and fiberglass), slightly moist clay, plastic, stiff MSW dry (fill/MSW).	CL	7	3
12–16: Clay, top 1 foot gray-brown, grading to orange-brown with gray. Bottom 3 feet slightly moist, stiff, plastic (WC contact at 14 feet).	CL	4	4
16–20: Clay, tan to orange-brown, gray-filled fractures, slightly moist, stiff, moderate plasticity (WC).	CL	0	5

Total Depth = 20 feet

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2415

HOLE No. GP-99-16

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

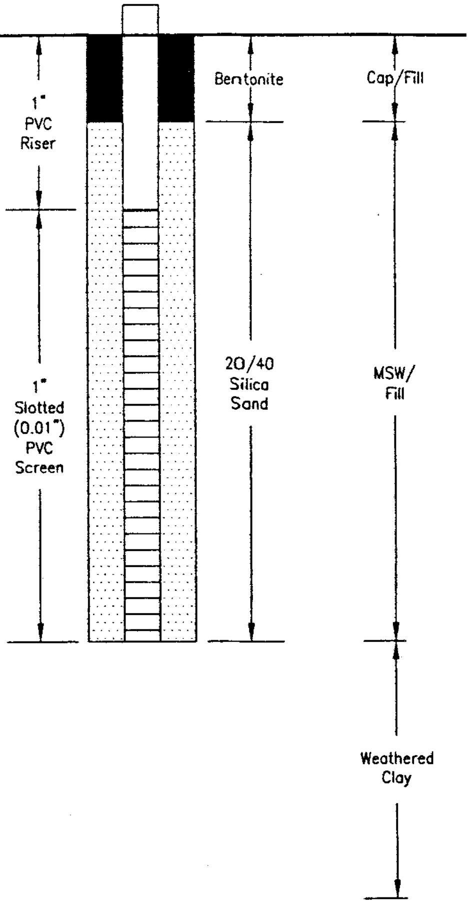
DATE DRILLED: 12/8/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 20'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.
0-2: Shelby Tube.	-		1	-	1
2-6: Top 1.5 foot clay, tan and gray at top, grading to black, stiff, slightly moist, moderate plasticity (fill). Bottom 2.5 feet MSW (wood, plastic, styrofoam, paper, cloth), slightly moist, trace clay at bottom of sample, tan to black, slightly moist, moderate plasticity (fill).	CL	▨	4	6	2
6-10: Clay, tan to gray to black with some black mottling, stiff, moist, moderate plasticity (fill).	CL	▨	8	3	3
10-14: Clay, top 1 foot gray with black mottling, trace MSW (glass, plastic), moist, moderate plasticity. Bottom 3 feet tan, orange, and gray clay, stiff, moist, moderate plasticity (MSW/fill).	CL	▨	12	0	4
14-18: Clay, tan to orange-tan with gray clay-filled fractures and some horizontal gray-filled fractures, slightly moist, trace white, chalky material, medium plastic, stiff (WC contact at 14 feet.	CL	▨	16	0	5
18-20: Shelby Tube.	-		19	-	6

Total Depth = 20 feet

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2416

HOLE No. GP-99-17

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

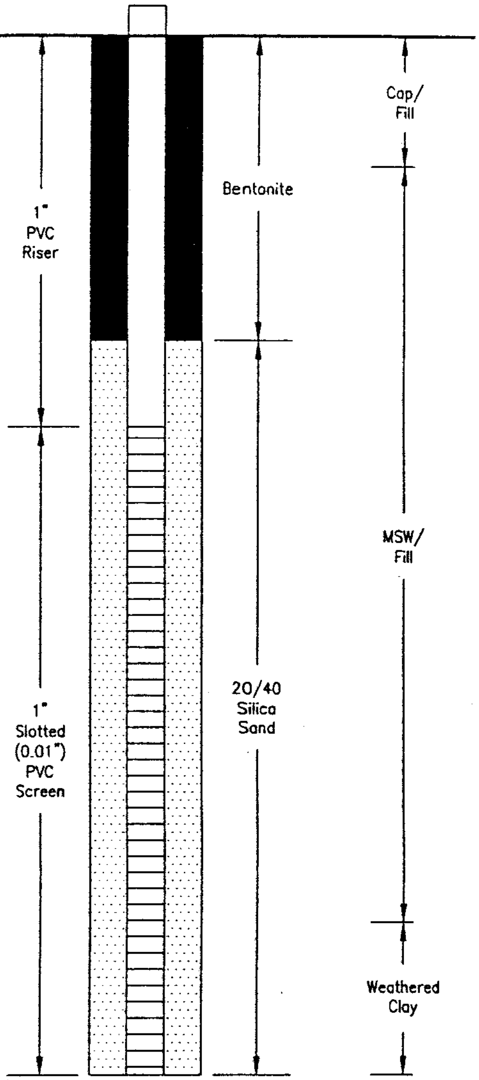
DATE DRILLED: 12/8/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 24'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0–4: Clay, tan to orange-brown with gray mottling. Wood at a 3 feet (3 inches thick). Some black clay, slightly moist, stiff, plastic clay (fill).	CL	1	1
4–8: Clay, tan, gray, black, trace orange, wood at bottom, slightly moist, plastic, dry, stiff (fill/MSW). (MSW, wood, plastic bags, paper, plastic drinking straw).	CL	2	2
8–12: Clay, top 8 inches tan, brown, gray, and black. Slightly moist. Bottom mostly wood, trace plastic, plastic bags, (MSW).	CL	5.2	3
12–16: Clay, gray-brown with wood, glass, and plastic throughout length of sample, saturated, clay wet, moderately stiff, plastic to highly plastic (MSW).	CH	1	4
16–20: Clay, tan to orange-brown, trace wood fragments throughout, wet, stiff, highly plastic clay (fill/MSW).	CH	0	5
20–24: Clay, top 0.5 foot tan to orange-brown with black, stiff, slightly moist, moderate plasticity (fill). Bottom 1.5 foot tan to orange-brown with gray clay-filled fractures, high-angle fractures, gray clay-filled horizontal structures, (WC) slightly moist, stiff, moderate plasticity (WC contact at 20.5 feet).	CL	5	6

Total Depth = 24 feet

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2417

HOLE No. GP-99-18

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 2"
LOCATION: South Drum Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/8/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 34'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.	REMARKS
0-4: Clay, tan, gray and trace orange color, some black colored intervals and mottling, slightly moist, stiff, medium plasticity (fill).	CL	▨	1 2 3	2	1	Tremie with portland cement/grout from total depth back to surface. Cap/Fill
4-8: Clay, gray, tan, and orange mottled, black color in middle of sample, dark gray to black at bottom with MSW (plastic bags and cardboard), clay is stiff, slightly moist, medium plasticity (fill/MSW).	CL	▨	4 5 6 7	1.6	2	
8-12: MSW top 2.5 feet (cardboard, plastic bags, wood, no soil). Bottom 0.5 foot, light gray, orange, and black clay, moist, medium soft, moderate plasticity. MSW is saturated.	CL	▨	8 9 10 11	1.4	3	MSW/ Fill
12-16: Clay and MSW. Top 0.5 foot light gray to medium gray clay, wet. Middle 2 feet MSW (paper, cardboard, plastic, plastic bags, glass, wood). Bottom 1 foot gray-tan to gray-brown clay, moist, stiff, moderate plasticity. MSW saturated (MSW/fill).	CL	▨	12 13 14 15	1	4	
16-20: Clay, tan and gray with wood, some MSW at top, clay, slightly moist, stiff, moderate plasticity (fill).	CL	▨	16 17 18 19	1	5	
20-24: Clay, gray, tan, and orange-brown, moist, stiff, moderate plasticity. MSW throughout sample (wood, plastic, paper, brown glass) (fill/MSW).	CL	▨	20 21 22 23	1	6	Fill
24-28: Clay, tan, orange, gray with some black, slightly moist, moderate plasticity, stiff (fill).	CL	▨	24 25 26 27	1	7	
28-30: Tan, gray, and orange-brown clay, wet at top, moist at bottom, some MSW (plastic).	CL	▨	28 29	1.2	8	
30-32: Clay, gray-brown to dark gray, soft, wet, has chemical odor (not hydrocarbon). Note: will clean out hole to remove cavings to 32 feet. Recovered 8 inches tan to light brown, clay, very soft, saturated, trace plastic bags.	CL	▨	30 31	2	9	Industrial Waste
32-34: Top 6 inches gray saturated clay. Next 3 inches brown cardboard. Next 4 inches gray clay with black material and metal (pieces of drum ring, lid and top edge of drum, lid has seal attached). Bottom 11 inches clay, top gray-brown (1 inch). Rest of sample is tan to orange-brown clay with gray clay-filled, vertical fracture, stiff, slightly moist, medium plasticity (WC contact at 33 feet). Total Depth = 34 feet	CL	▨	32 33 34 35	12	10	Weathered Clay

4198/logs/gp1-31

Technically Complete
2418

HOLE No. GP-99-19

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 2"
LOCATION: South Drum Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/10/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 30'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.	REMARKS	
0–4: Clay, tan with light-brown, orange, and gray mottling, dark brown intervals (2 – 3 inches thick) in middle of sample and at bottom, trace gravel and silt, top 2 feet dry. Bottom 2 feet slightly moist, stiff, and slightly plastic (fill).	CL	▨	1 2 3	2	1	Tremie with portland cement/grout from total depth back to surface.	Cap/Fill
4–8: Clay, tan to gray-brown. Bottom 4 inches darker gray-brown, some gray and orange mottling, stiff low plasticity, wood fragments in middle of sample (fill).	CL	▨	4 5 6 7	2	2		
8–12: Clay, tan, orange, gray, and some black, MSW (plastic, glass, plastic bags). Bottom 8 inches wood and glass (no soil). Clay is stiff, moderate plasticity, slightly moist, wood at bottom is wet (MSW/fill).	CL	▨	8 9 10 11	1.2	3		
12–16: Top 6 inches wood, some saturated gray soft clay, plastic bag. Bottom 3.5 feet tan, orange-brown, and gray clay, stiff, slightly moist, moderate plasticity (plastic bag at bottom) (MSW/fill).	CL	▨	12 13 14 15	1	4		
16–20: Clay, gray-brown with brown, gray, orange, and black, moderately stiff, moist, moderate plasticity, intervals of wood, plastic bags, newspaper. MSW is wet to saturated (fill/MSW).	CL	▨	16 17 18 19	1	5		MSW/ Fill
20–24: Clay/MSW, tan, orange-brown, and gray clay saturated with leacheate.	CL	▨	20 21 22 23	1	6		
24–28: Top 1.5 foot saturated black clay with MSW plastic bags and glass (MSW/fill). Bottom 2.5 feet tan, orange, and gray mottled clay, stiff, moderate plasticity, slightly moist (fill).	CL	▨	24 25 26 27	80	7		
28–30: Refusal at 30 feet, clay, gray-brown to orange-brown, top 6 inches saturated, soft gray-black clay with MSW (plastic, glass, wire) may be cavings. Bottom 1.5 foot clay, gray-brown to orange-brown with black very hard material, very stiff, slightly moist, slightly plastic. The sample from the cutting shoe of the sample contained a piece of steel drum and black material with a chemical odor (IW).	CL	▨	28 29	13	8		Industrial Waste
Total Depth = 30 feet			30 31 32 33 34 35				

4198/logs/gp1-31

Technically Complete
2419

HOLE No. GP-99-20

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: South Drum Area
PROJECT #: WASMN-04198-400

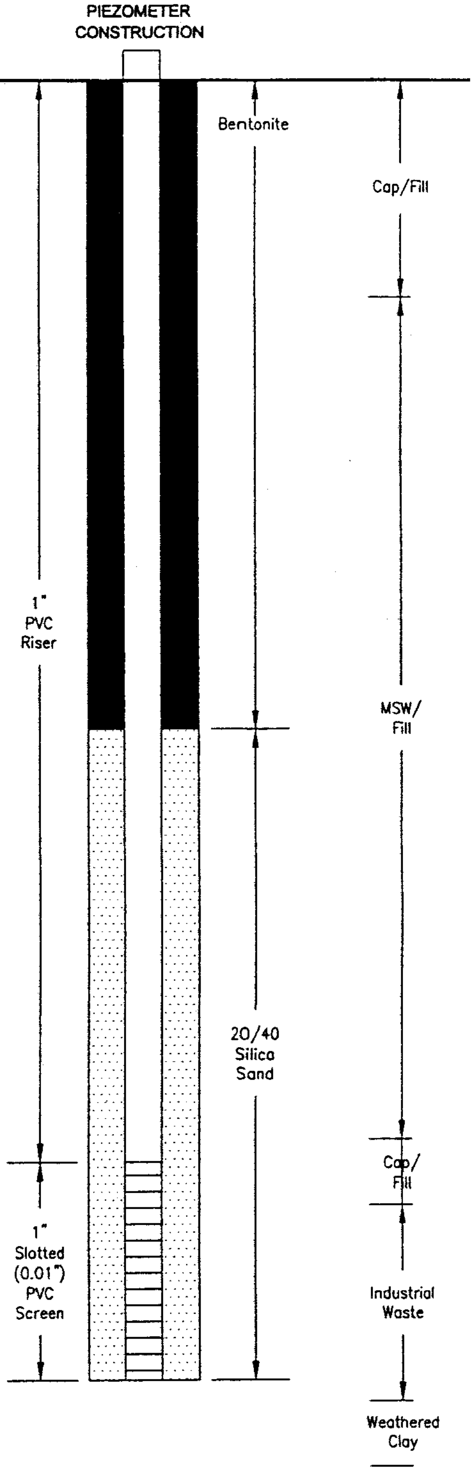
DATE DRILLED: 12/13/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 32'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0-2: Shelby Tube.	-	-	1
2-6: Clay, gray, tan, and orange, some black (2-inch layer) color and black mottling throughout, moist, moderate plasticity, stiff, MSW (plastic and newspaper at bottom) (fill/MSW).	CL	1	2
6-10: Top 1 foot tan, gray, and orange, clay, moist, stiff, moderate plasticity (fill). Bottom 2.5 feet black, paper, glass, wood, plastic, rubber (MSW), wet.	CL	2	3
10-14: MSW and clay, tan, stiff, slightly moist, moderate plasticity, MSW (wood, paper, glass electrical wire, plastic), saturated black liquid (fill/MSW).	CL	2	4
14-18: Top 1 foot MSW (rubber, paper, plastic, glass), saturated. Middle 1.5 foot clay, tan, gray, and orange-brown, slightly moist, stiff, plastic, some plastic and paper. Bottom 0.5 foot cardboard, wood, paper, black liquid with leacheate odor.	CL	6	5
18-22: Clay and MSW. Clay, two intervals (4 inches thick), tan to gray-brown, slightly moist, stiff, moderate plasticity, MSW (wood, paper, plastic, glass), saturated black liquid (with leacheate odor) (fill/MSW).	CL	4	6
22-26: Top 1.5 foot black saturated, MSW, (wood, paper, plastic). bottom 2.5 feet gray to tan, orange and gray clay, slightly moist, stiff, low plasticity (MSW/fill).	CL	30	7
26-28: Refusal at 28 feet. Recovered 0.5 foot MSW (glass, plastic) cavings, piece of steel (drum) in cutter shoe.	-	80	8
28-32: Top 0.5 foot MSW (cavings), glass, paper, plastic, wood. Saturated. Bottom 3 feet clay, tan to orange-brown, slightly moist, stiff, highly plastic. Top 1 foot of this interval has black viscous (tar-like) interval (industrial waste). Contact W/WC at 30.5 feet gray clay-filled fractures and high-angle fractures.	CL	70	9

Total Depth = 32 feet

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2420

HOLE No. GP-99-21

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 2"
LOCATION: Saddle Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/14/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.	REMARKS	
0-4: Clay, top 1 foot dark brown to black with roots, slightly moist, plastic, stiff (fill). Bottom 3 feet tan, orange, and gray clay, slightly moist, stiff, low plasticity (fill).	CL	▨	1 2 3	 1.8	 1	Backfilled with hydrated bentonite.	Cap/Fill
4-8: Clay, tan to gray-brown, root fragments at 2 feet, slightly moist, stiff, moderate plasticity (fill).	CL	▨	4 5 6 7	 4	 2		
8-12: Clay, tan, orange, and gray, very stiff, slightly moist, trace silt, low plasticity to medium plasticity (fill).	CL	▨	8 9 10 11	 4.6	 3		
12-16: Clay, tan to orange with gray clay-filled fractures, some high-angle fractures, very stiff, slightly moist (WC contact at 11 feet).	CL	▨	12 13 14 15	 3	 4		Weathered Clay
Total Depth = 16 feet			16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35				

4198/logs/gp1-31

Technically Complete
2421

HOLE No. GP-99-22

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: North Drum Area
PROJECT #: WASMN-04198-400

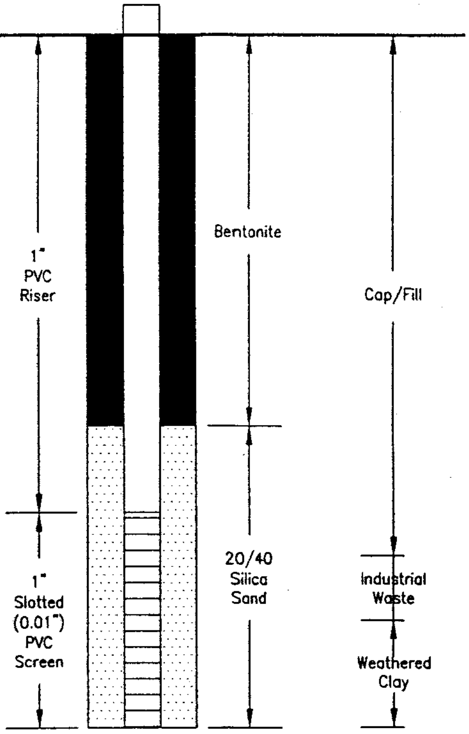
DATE DRILLED: 12/14/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0–2: Shelby Tube.	-	-	1
2–4: Clay, tan orange and gray, trace gravel, some black color bottom 4 inches of sample, slightly moist, stiff, moderate plasticity (fill).	CL	50	2
4–8: Clay, orange, tan, and brown mottled, moist, soft to moderately soft, high plasticity, some black color top 5 inches of sample (fill).	CH	90	3
8–12: Clay, tan brown to orange-brown, slightly moist, soft to medium soft, medium plasticity. Bottom 4 inches has dark red-brown, viscous, wet material (IW).	CL	140	4
12–16: Top 1.5 foot red-brown to black viscous material, some hard pieces, some soft (IW). Bottom 2.5 feet tan to orange-brown clay, stiff to very stiff, slightly moist, gray clay-filled vertical fractures (WC contact at 13.5 feet). Note: outside surface of bottom 2.5 feet sample coated with the black sticky material, but is not within the clay when it is cut.	CL	-	5

Total Depth = 16 feet

PIEZOMETER CONSTRUCTION



Technically Complete
2422

HOLE No. GP-99-23

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: North Drum Area
PROJECT #: WASMN-04198-400

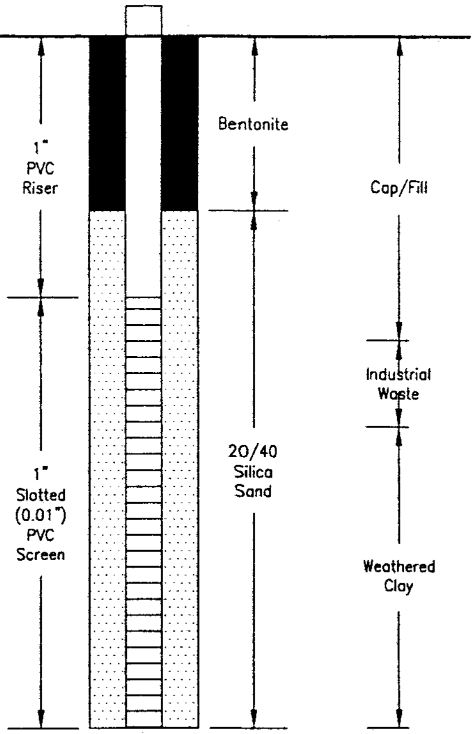
DATE DRILLED: 12/14/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.
0-2: Shelby Tube.	-		1	-	1
2-4: Clay, tan and light brown with orange mottling, stiff to very stiff, slightly moist, moderate plasticity (fill).	CL		3	12	2
4-8: Clay, tan to gray-brown with some orange and gray mottling, some black color at about 7-7.5 feet, stiff, slightly moist (fill). Apparent chemical odor.	CL		6	25	3
8-12: Clay, tan to orange-brown, trace black color at top, stiff, slightly must, moderate plasticity (WC contact at 9 feet).	CL		10	70	4
12-16: Clay, tan to orange-brown with gray clay-filled fractures and high-angle fractures, slightly moist, stiff, moderate plasticity (WC).	CL		14	190	5
16-18: Shelby Tube (no recovery; tube pulled out of drive head).	-		17	-	6

Total Depth = 16 feet

PIEZOMETER CONSTRUCTION



Technically Complete
2423

HOLE No. GP-99-24

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 2"
LOCATION: North Drum Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/14/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 16'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.	REMARKS
0-4: clay, brown, gray, orange, and black mottled clay, stiff, slightly moist, moderate plasticity. Bottom 4 inches dark gray-brown clay, soft, low to non-plastic, moist (fill).	CL	▨	1			Backfilled with hydrated bentonite.
		▨	2	150	1	
		▨	3			
4-8: Clay, dark, gray-brown with orange mottling. Bottom 1 foot, slightly moist, stiff, moderate plasticity (fill).	CL	▨	4			
		▨	5			
		▨	6	190	2	Cap/Fill
		▨	7			
8-12: Clay, tan, orange, and orange-brown, slightly moist, moderate plasticity, stiff. Black color top 0.5 feet of sample (fill).	CL	▨	8			
		▨	9			
		▨	10	20	3	
		▨	11			
12-15: Clay, tan to orange-brown with gray clay-filled vertical fractures, high-angle fractures and gray horizontal laminations, stiff, slightly moist (WC contact at 13.5 feet).	CL	▨	12			
		▨	13			
		▨	14	38	4	Weathered Clay
		▨	15			
Total Depth = 16 feet			16			
			17			
			18			
			19			
			20			
			21			
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4198/logs/gp1-31

Technically Complete
2424

HOLE No. GP-99-25

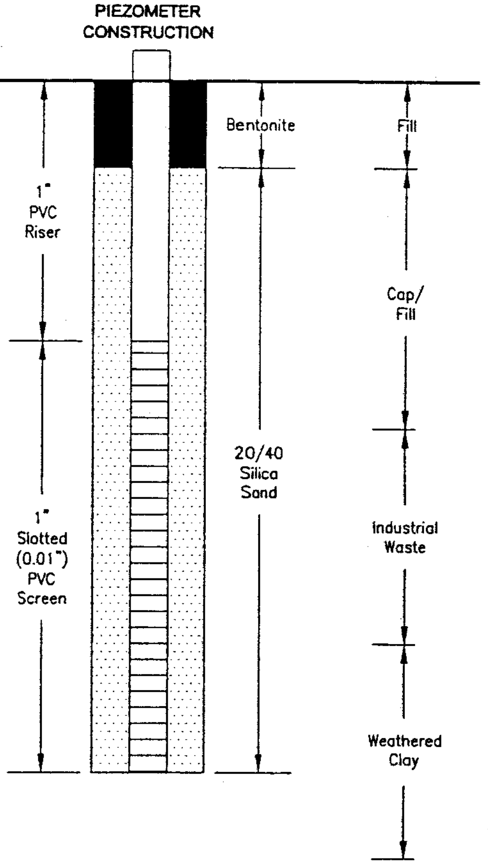
PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: North Drum Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/15/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 18'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0-2: Clay, top 1.25 foot tan to dark brown clay, trace gravel, trace roots (fill). Bottom 0.75 foot tan to orange-brown clay with orange and gray mottling, slightly moist, stiff, low plasticity (fill).	CL	4	1
2-4: Clay, top 1 foot clay, tan, medium brown with orange mottling, stiff, slightly moist, moderate plasticity. Bottom 0.5 foot dark brown clay, some orange mottling, stiff, slightly moist, moderate plasticity (fill).	CL	20	2
4-8: Clay, orange-tan with intervals (6 inches thick) of brown to gray-brown clay. Bottom tan to light brown. Sample moist from 6-8 feet, soft, highly plastic (fill).	CH	130	3
8-12: Clay, tan with orange-brown to orange hard clay nodules. Some dark red granular clay-like material, and reddish-black viscous material, moist to wet, bottom 0.75 foot.	CL	-	4
12-16: Clay, tan to orange-brown with gray clay-filled vertical fractures and some gray horizontal structures, stiff, slightly moist, highly plastic (WC contact at 13 feet). Note: outside of sampler a red-brown viscous, liquid, sample did not have viscous red material on it.	CH	70	5
16-18: Shelby Tube (sample tube filled with red-brown viscous mater, had only couple of inches of soil in Shelby Tube).	-	-	6

Total Depth = 18 feet



4198/logs/gp1-31

Technically Complete
2425

HOLE No. GP-99-26

PROJECT:	Waste Management of Texas	DATE DRILLED:	12/15/99
DRILL RIG:	Geoprobe	LOGGED BY:	M. Riggle
HOLE DIA:	3"	SAMPLER:	M. Riggle
LOCATION:	North Drum Area	DRILLER:	ETTL
PROJECT #:	WASMN-04198-400	TOTAL DEPTH:	18'

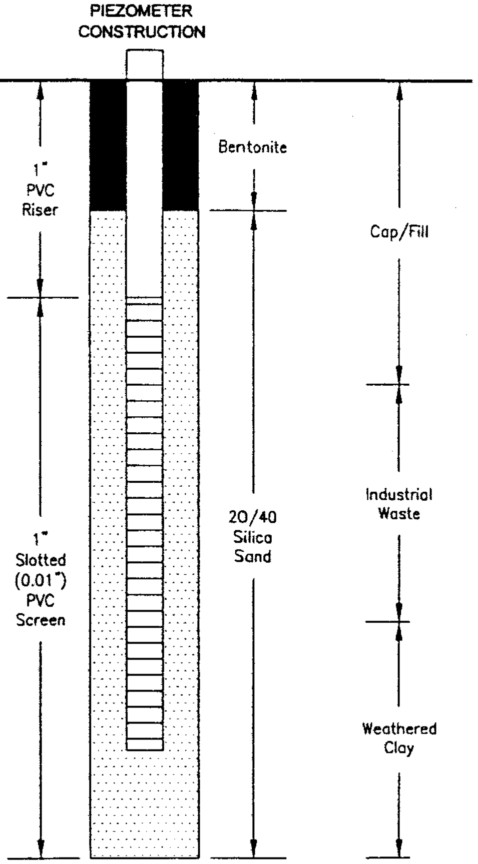
ThermoRetec

DESCRIPTION	SOIL TYPE
0-2: Clay, top 1 foot brown to dark brown with orange layer in middle, very stiff, dry, no plasticity (fill). Bottom 1 foot orange, tan, and gray clay, stiff, slightly moist, moderate plasticity.	CL
2-4: Shelby Tube.	-
4-8: Clay, top 3 feet tan, gray, brown, orange, and black clay, slightly moist, moderate plasticity, stiff (fill). Bottom 1 foot clay dark gray to gray-brown, soft, moderate plasticity, wet with unknown fluid that emitted a chemical odor, trace silt (fill).	CL
8-12: Clay, top 4 inches black, silty clay, soft, wet with fluid that emitted a chemical odor. Rest of sample is clay, tan, orange, and gray with some black color throughout, slightly moist, stiff, moderate plasticity (fill).	CL
12-16: Clay, tan to orange-brown with gray clay-filled vertical and horizontal fractures, trace silt to silty clay. Top 0.5 foot slightly moist, stiff, moderate plasticity (WC contact at 12.5 feet).	CL
16-18: Shelby Tube	-

Total Depth = 18 feet

DEPTH	PID PPM	SAMPLE No.
1	2	1
3	-	2
5	170	3
8	300	3
11	300	3
13	-	4
14	250	5
17	-	6

PIEZOMETER CONSTRUCTION



4198/logs/gp1-31

Technically Complete
2426

HOLE No. GP-99-27

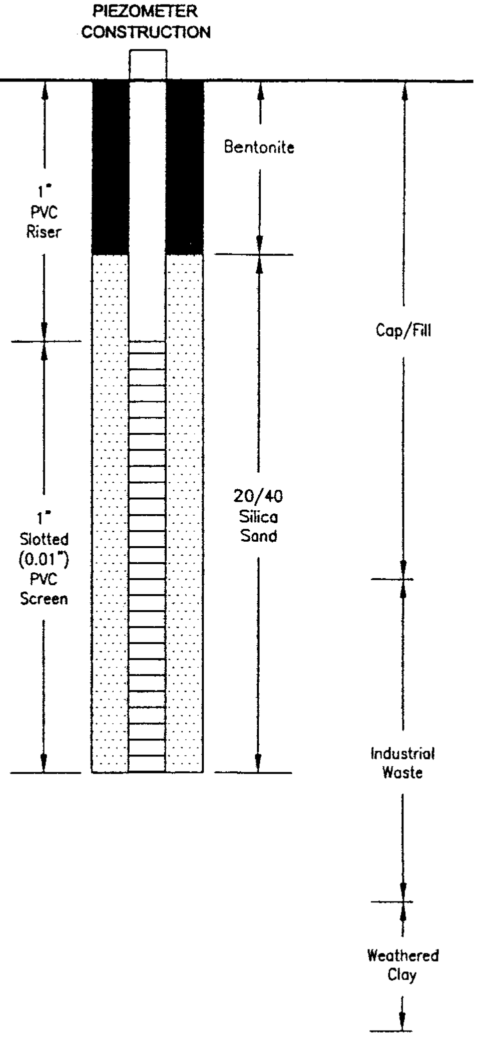
PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/15/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 20'

ThermoRetec

DESCRIPTION	SOIL TYPE	Depth	PID PPM	SAMPLE No.
0-2: Clay, dark, gray-brown, trace orange mottling, trace gravel, dry, stiff, non-plastic. Bottom 4 inches tan to orange-brown clay, slightly moist, moderate plasticity (fill).	CL	1	8	1
2-4: Shelby Tube.	-	3	-	2
4-8: Clay, tan to orange-brown with black color bottom 1.5 foot of sample, moderately soft, moist, moderate plasticity (fill).	CL	6	38	3
8-12: Top 1 foot tan to orange-brown clay, soft, moist, moderate plasticity (fill). Bottom 0.5 foot greenish-brown granular clay (will not pack together), apparent oily fluid, wet, non-plastic, soft (fill).	CL	10	132	4
12-16: Clay, top 1.5 foot tan to brown clay with red-brown to black, viscous material. Bottom 1 foot tan to orange-brown clay, stiff, moderate plasticity (WC).	CL	14	45	5
16-20: Sample and sample liner stuck in sample barrel. Bottom 1 foot of sample recovered intact (WC).	-	18	17	6
20-22: Shelby Tube. No recovery after pushing to refusal at 1.5 foot.	-	21	-	7

Total Depth = 20 feet



4198/logs/gp1-31

Technically Complete
2427

HOLE No. GP-99-28

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: North Drum Area
PROJECT #: WASMN-04198-400

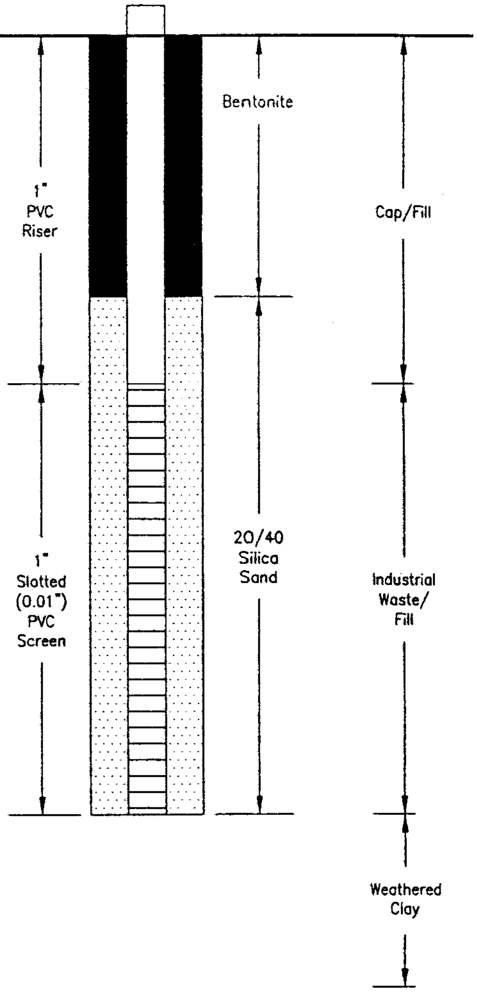
DATE DRILLED: 12/16/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 22'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.
0-4: Clay, top 2 feet clay, dark brown, slightly moist to dry, stiff. Bottom 2 feet tan, orange-brown, and gray clay, crumbly, dry (fill).	CL	▨	2	2	1
4-8: Clay, tan, orange-brown to brown with some black mottling, stiff, slightly moist, moderate plasticity. Bottom 3 inches gray-black to dark orange-brown, slightly moist, soft, some root hairs (fill).	CL	▨	6	2	2
8-12: Clay, top 1.5 foot dark gray to black clay, moist, soft. Bottom 1.5 foot tan-gray to gray clay, moist, soft (fill).	CL	▨	10	15	3
12-16: Clay, top 1.5 foot tan-gray to gray clay, loosely compacted, soft, moist, grading to tan, orange, and gray clay. Bottom 2.5 feet trace silt, slightly moist, stiff, loosely compacted (fill).	CL	▨	14	30	4
16-20: Top 1 foot gray, soft, saturated clay. Bottom 3 feet tan to orange-brown clay with gray clay-filled fractures, slightly moist, stiff, moderate plasticity (WC contact at 18 feet).	CL	▨	18	0	5
20-22: Shelby Tube.	-		21	-	6

Total Depth = 22 feet

PIEZOMETER CONSTRUCTION



Technically Complete
2428

HOLE No. GP-99-29

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: South Drum Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/16/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 38'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.	REMARKS	
0-4: Clay, tan, orange, gray, and brown with some black mottling, stiff, slightly moist, moderate plasticity (fill).	CL	▨	1 2 3	4	1	tremie portland cement/grout from total depth back to surface.	Cap/Fill
4-8: Clay, tan-brown, orange and gray, wood fragments at 6 feet. Bottom 2 inches black clay with trace paper and plastic, slightly moist, stiff (fill/MSW).	CL	▨	4 5 6 7	2	2		
8-12: MSW and gray to black clay, clay is wet, soft. MSW is wet paper and plastic (MSW/fill).	CL	▨	8 9 10 11	3	3		
12-16: Clay, tan-brown to gray, wet to moist, stiff, moderate plasticity. MSW intermixed. MSW (paper, plastic, wood, glass), saturated with black liquid (MSW/fill).	CL	▨	12 13 14 15	2	4		MSW/ Fill
16-20: MSW, very little clay material, MSW (wood, paper, plastic, glass). Pieces of steel at bottom of sample within the MSW.	CL	▨	16 17 18 19	4	5		
20-24: Top 1 foot MSW (cavings) glass, plastic with 4 inches tan to orange-brown clay. Next 1.5 foot tan to brown clay, stiff, slightly moist. Bottom 0.5 foot gray to gray-black clay with MSW (paper, plastic, wood) (MSW/fill).	CL	▨	20 21 22 23	2	6		
24-26: Top 1 foot saturated MSW (paper, plastic, wood). May be cavings. Bottom 1.5 foot clay, tan to orange-brown to brown slightly moist, stiff, moderate plasticity (fill). Possibly clay cap.	CL	▨	24 25	3	7		
26-28: Shelby Tube. Top looks like MSW (plastic). Bottom of tube is solid red-brown resin-like material.	-		26 27	-	8		Cap/Fill
28-32: Saturated gray-brown clay, soft, sampler cutter shoe has 1 inch red-brown solid amorphous material, and pieces of steel.	CL	▨	28 29 30 31	50	9		Industrial Waste
32-36: Sample stuck in sampler. Retrieved the top 2 feet intact. Top 0.5 foot brown clay with red-brown solid amorphous material. Next 1.5 foot tan and orange clay with some solid amorphous material in fractures and some black at bottom. Emitting chemical odor. Bottom 2 feet sample retrieved in pieces, tan-brown clay, stiff, slightly moist (WC).	CL	▨	32 33 34 35	90	10		Weathered Clay

4198/logs/gp1-31

Technically Complete
2429

HOLE No.
GP-99-29

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: South Drum Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/16/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 38'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.	REMARKS
	CL	▨	36			tremie portland cement/grout from total depth back to surface.
36-38: Shelby Tube. Refusal at 37.5 feet (plastic in top of tube).	-		37	-	11	Weathered Clay
Total Depth = 38 feet			38			
			39			
			40			
			41			
			42			
			43			
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			69			
			70			

Technically Complete
2430

HOLE No. GP-99-30

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 3"
LOCATION: South Drum Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/17/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 28'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG	DEPTH	PID PPM	SAMPLE No.	REMARKS
0–4: Clay, tan, orange-brown, orange with black clay interval from 0.5 to 1.5 foot, stiff, slightly moist, moderate plasticity (fill).	CL	▨	1 2 3	1	1	tremie portland cement/grout from total depth back to surface. Cap/Fill
4–8: Clay, tan, orange-brown, and gray with some black clay layers (1–3 inches) near bottom, slightly moist, stiff, moderate plasticity, some gravel near bottom (fill).	CL	▨	4 5 6 7	1	2	
8–12: Clay, tan, orange-brown, and gray, stiff, slightly moist, moderate plasticity. 0.5 foot of paper 11–11.5 feet. Gray-brown clay 11.5–12 feet, slightly moist, stiff, moderate plasticity (fill)(MSW).	CL	▨	8 9 10 11	2	3	
12–16: Clay, tan to orange-brown and gray, moist, moderately hard to moderately soft. MSW (wood, paper, plastic) top 1.5 foot of sample (fill/MSW).	CL	▨	12 13 14 15	3	4	MSW/ Fill
16–20: Clay, gray to black, saturated (very little soil, mostly MSW). MSW (paper, plastic, metal, glass, wood, leaves, grass), saturated (MSW).	CL	▨	16 17 18 19	160	5	
20–24: Swabbed dark brown oily liquid to surface with sampler. Top 2.5 feet, MSW, saturated with brown, oily liquid. Has strong petroleum hydrocarbon odor. MSW is paper, cardboard box material, wood. Bottom 0.5 foot tan orange-brown and gray clay, slightly moist, stiff, moderate plasticity (fill).	CL	▨	20 21 22 23	90	6	
24–28: Clay, tan to orange-brown with gray clay-filled horizontal and vertical structures top 2 feet. Bottom 2 feet dark gray-brown clay, very stiff, slightly moist, low to no plasticity. WC contact at 24 feet.	CL	▨	24 25 26 27	110	7	Weathered Clay Unweathered Clay
Total Depth = 28 feet			28 29 30 31 32 33 34 35			

Technically Complete
2431

HOLE No. GP-99-31

PROJECT: Waste Management of Texas
DRILL RIG: Geoprobe
HOLE DIA: 2"
LOCATION: South Drum Area
PROJECT #: WASMN-04198-400

DATE DRILLED: 12/17/99
LOGGED BY: M. Riggle
SAMPLER: M. Riggle
DRILLER: ETTL
TOTAL DEPTH: 34'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.	REMARKS
0-4: Clay, tan, brown, orange-brown, and gray, trace gravel, slightly moist, stiff, moderate plasticity (fill).	CL	▨	1 2 3	2	1	tremie portland cement/grout from total depth back to surface.
4-8: Clay, tan, orange-brown, gray with some black, moist, moderately stiff, plastic (fill).	CL	▨	4 5 6 7	1	2	Cap/Fill
8-12: Top 3 feet clay, tan, orange-brown and gray. Black layer at 1.5 foot (4 inches thick) and at 2.5 feet. MSW from 3-4 feet (paper, glass, fiberglass insulation, metal), moist (MSW/fill).	CL	▨	8 9 10 11	1	3	
12-16: Top 2 inches gray clay, wet. MSW below (paper, plastic bags, wood, metal, plastic, moist) (MSW).	CL	▨	12 13 14 15	1	4	
16-20: Top 2 feet MSW (paper, plastic, rocks), saturated 8 inches tan, gray-brown clay, moist, moderately stiff. MSW (plastic, paper, wood). Next 2 inches clay, gray and black, moderately stiff, moist (MSW/fill).	CL	▨	16 17 18 19	1	5	MSW/ Fill
20-24: MSW, saturated (paper, plastic, styrofoam, glass). Some gray clay cavings at top (MSW).	CL	▨	20 21 22 23	1	6	
24-26: Top 1.5 foot MSW, saturated (wood, paper, plastic, glass). Some of this is probably cavings Bottom 6-8 inches tan, orange, and gray clay, moist, moderately stiff, plastic (fill).	CH	▨	24 25	1	7	
26-28: Shelby Tube. Recovered MSW 1.25 foot and clay 0.75 foot.	-		26 27	-	8	Cap/ Fill
28-30: Shelby Tube (some MSW and clay at bottom).	-		28 29	-	9	
30-34: Clay, tan to orange-brown with gray clay-filled fractures, stiff to very stiff, slightly moist, moderate plasticity. WC contact at approximately 30 feet.	CL	▨	30 31 32 33	90	10	Weathered Clay
Total Depth = 34 feet			34 35			

4198/logs/gp1-31

Technically Complete

HOLE No. MW-99-24

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/4/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 31'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.	
0-3: Silty clay, dark gray to black, some gravel (1/8 inch), white, sandy silt occasionally.	CL	1	1	Cap/Fill
3-13: MSW in clay matrix – styrofoam, gravel, wood, fiber, paper, plastic. Clay, orange, mottled, medium soft, moist.	CL	1	2	MSW/ Fill
8-13: No recovery.	-	1	3	
13-22: Clay, dark gray, soft, occasional gravel, occasional orange and white clay mottling. Sample twisted; only 1 foot recovery.	-	2 1	4 5	
22-26: Clay, gray–dark gray interbedded. Vertical and horizontal fractures, very hard.	CH	6	6	Transition Zone
26-31: Clay, dark gray-black. No layering, very hard, dry.	CH	4	7	Unweathered Clay
Total Depth = 31 feet				

4198/logs/mw23-33

Technically Complete
2433

HOLE No. B-99-33

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/13/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 38'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.	WELL CONSTRUCTION
0-5: Silty clay, brown, gray, orange mottled. Dry, hardness > 5, occasional gravel, trace sand. At 4 feet have 3-inch layer sandy gravel. At 5 feet have 2 inch layer black wood fiber.	CL	2	1	Cap/Fill
5-11: Clay fill, brown, orange, gray mottled, hardness = 2.5, slightly moist, occasional gravel (1 inch), occasional plastic, 2-inch layer of gravel at 9 feet.	CL	4 4	2 3	
11-25.5: MSW - plastic, cardboard, glass, wood, plywood, paper, fiber, brick mixed with very little clay, wet and saturated, leacheate odor.	CL	9 4	4 5	MSW/ Fill
25.5-28.5: Clay, brown-orange with light gray mottling, dry, hardness > 5, no odor. Clay is 2 inches in diameter twisted inside 4-inch barrel.	CL	100	6	Cap/ Fill
28.5-38: Twisted plastic sheeting. Powdery, silty, sandy-size substance. Chemical odor, partially wet and sticky.	-	NA	7	Industrial Waste

4198/logs/mw23-33

Technically Complete
2434

HOLE No.
B-99-33

PROJECT:	Waste Management of Texas	DATE DRILLED:	1/13/00
DRILL RIG:	Hollow Stem Rotary	LOGGED BY:	B. Crone
HOLE DIA:	8.25"	SAMPLER:	B. Crone
LOCATION:	-	DRILLER:	ETTL
PROJECT #:	WASMN-04198-400	TOTAL DEPTH:	38'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE No.	WELL CONSTRUCTION
	-			450	8	Industrial Waste
			36			
			37			
Total Depth = 38 feet			38			
			39			
			40			
			41			
			42			
			43			
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			70			

Technically Complete
2435

HOLE No. MW-99-23

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/5/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 40'

ThermoRetec

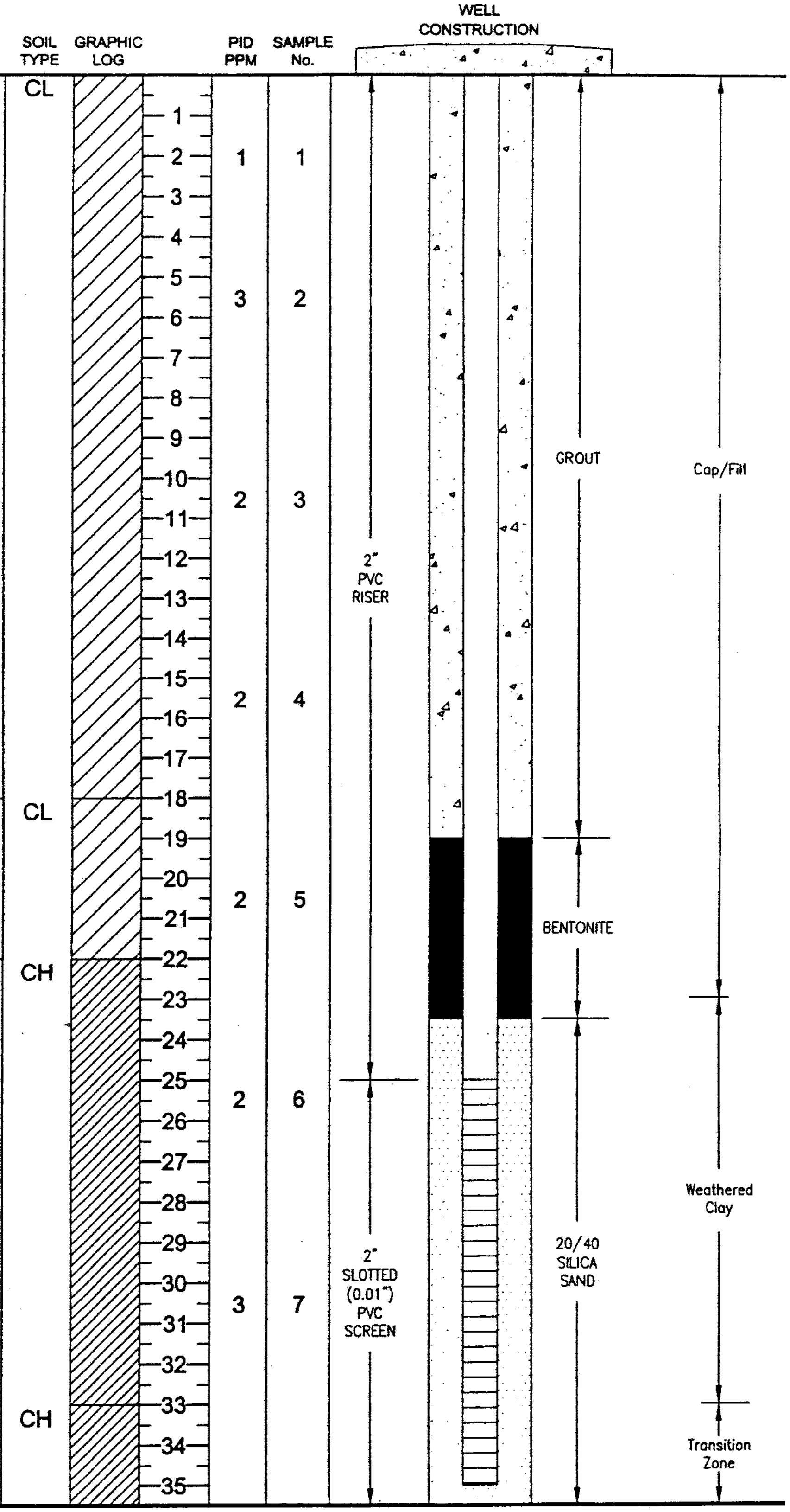
DESCRIPTION

0-22: Silty clay, black, dark gray, brown and orange mottled, roots, hard, dry, trace sand (white), occasional gravel, becomes softer and moister toward bottom. Pieces of beer can at bottom of Shelby Tube at 10 feet.

18-22: Clay, orange with small horizontal gray layers, some silt in horizontal layers, medium hard.

22-33: Clay, orange with gray mottling in vertical and horizontal fractures. Silt in gray fractured layers, moist in fracture area. Gray, silty fracture areas become very numerous at 30-33 feet.

33-37: Clay, dark gray and orange horizontal layers (6 inches), moist, easy drilling. 10-inch thick clay layer at 36-37 feet. Clay, black to dark gray, hard slightly moist at 37 feet. Dry at 40 feet.



4198/logs/mw23-33

Technically Complete
2436

HOLE No. MW-99-23

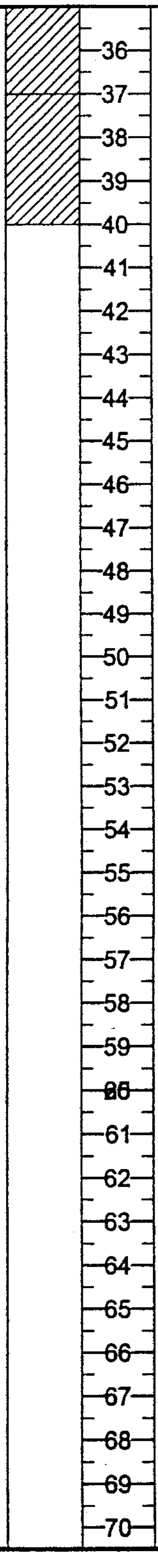
PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

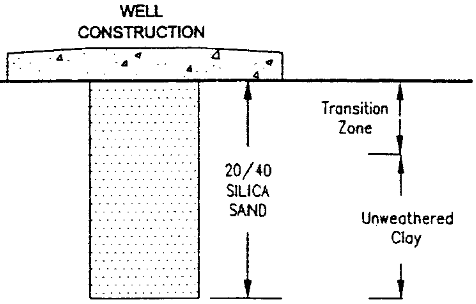
DATE DRILLED: 1/5/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 40'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
	CH	3	7
33–37: Clay, dark gray and orange horizontal layers (6 inches), moist, easy drilling. 10–inch thick clay layer at 36–37 feet. Clay, black to dark gray, hard slightly moist at 37 feet. Dry at 40 feet.	CH	2	8

Total Depth = 40 feet





Technically Complete
2437

HOLE No.
MW-99-25

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/4/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 28'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG	PID PPM	SAMPLE No.	WELL CONSTRUCTION
0–12: Silty clay fill, brown, orange, black, light gray mixed, occasional gravel. Apparent construction debris at 1–2 feet. Medium hard, becoming softer and more moist. Very moist and soft at 12 feet.	CL	▨	1 2 2	1 2 3	No well, plugged and abandoned.
12–13: MSW, paper, fiber, glass, gravel, black and dark gray.	-				
13–21: No recovery.	-		NA 3	4 5	
21–25: Clay, tan-orange, hard, vertical fractures with silt, dry.	CH	▨			
25–27: Clay, dark gray-black with some orange interlayering and vertical fractures, hard, dry.	CH	▨	3	6	
27–28: Clay, dark gray-black, very thin interbedded and fractures, hard, dry.	CH	▨			

Total Depth = 31 feet

Cap/Fill

MSW/
Fill

Weathered
Clay

Transition
Zone

Unweathered Clay

4198/logs/mw23-33

Technically Complete
2438

HOLE No. MW-99-26

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/6/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 18'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.	WELL CONSTRUCTION
0-12: Clay, orange, gray, and black mottling and layers. Soft, slightly moist, small roots, sandy silt in fractures.	CL	3 2 2	1 2 3	Cap/Fill
12-15 : Slight chemical odor at 12-15 feet. Pieces of wood and plastic mixed with clay (MSW).	CL			MSW/ Fill
15-18: MSW (paper, plastic, plywood, wood, fiber, cardboard, styrofoam). MSW very soft and crumbly, leachate odor, water in hole, gray, leacheate odor. Water accumulating in borehole.	CL	1	4	

Total Depth = 18 feet

HOLE No. MW-99-26A

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/10/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 13'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG	PID PPM	SAMPLE No.	WELL CONSTRUCTION
0-8: Clay, brown, dark gray, light gray, orange mottled, hard and dry at surface becoming soft and moist with depth.	CL	▨	1 1	1 2	Cap/Fill
8-13: MSW with 6-inch layer of clay at 11 feet (paper, fiber, glass, rubber, cardboard, leacheate odor, water at 8 feet.	CL	▨	4	3	MSW/ Fill
Total Depth = 13 feet					

4198/logs/mw23-33

Technically Complete
2440

HOLE No.
MW-99-27

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/11/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 18'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG	PID PPM	SAMPLE No.	WELL CONSTRUCTION
0-9: Clay, trace sand and silt, gray, dark gray, brown and orange mottled, dry at top, grading to slightly moist, occasional glass and wood pieces at 5-9 feet.	CL		2	1	Cap/Fill
			2	2	
9-18: MSW layers alternating with clay, paper, rubber, rubble, cardboard, glass, gravel, some mixed MSW and clay, soft, wet at 13 feet, water in hole.	CL		2	3	MSW/ Fill
			1	4	
Total Depth = 18 feet					

4198/logs/mw23-33

Technically Complete
2441

HOLE No. MW-99-28

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/11/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 18'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG	PID PPM	SAMPLE No.	WELL CONSTRUCTION
0–12: Silty clay, light brown, gray to orange mixed. At 5 feet grades to clay, light gray and light brown mottled, dry, occasional roots and gravel.	CL	▨			Cap/Fill
		▨	1	1	
		▨	1	2	
8–12: Easy drilling, water coming into hole, very moist and soft at 12 feet.		▨			
		▨	1	3	
12–18: MSW – gravel, concrete (1 inch), wood, plywood, paper, plastic, glass, tile.	CL	▨			MSW/ Fill
		▨	1	4	
Total Depth = 18 feet					

4198/logs/mw23–33

Technically Complete
2442

HOLE No. MW-99-29

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/10/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 33'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG	PID PPM	SAMPLE No.	WELL CONSTRUCTION
0–17: Clay, brown, black, light gray, orange mottled, dry and hard at top, getting moister and softer with depth. Refusal at 17 feet. MSW (wood, glass) is end of sample.	CL	▨	1	1	Cap/Fill
			1	2	
			1	3	
			2	4	
17–33: No recovery, water in hole at 17 feet, leacheate odor. No recovery to 33 feet.	-		1	5	MSW/ Fill
			6	6	
			4	7	
Total Depth = 33 feet					

Depth scale: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35

Technically Complete

HOLE No. MW-99-29A

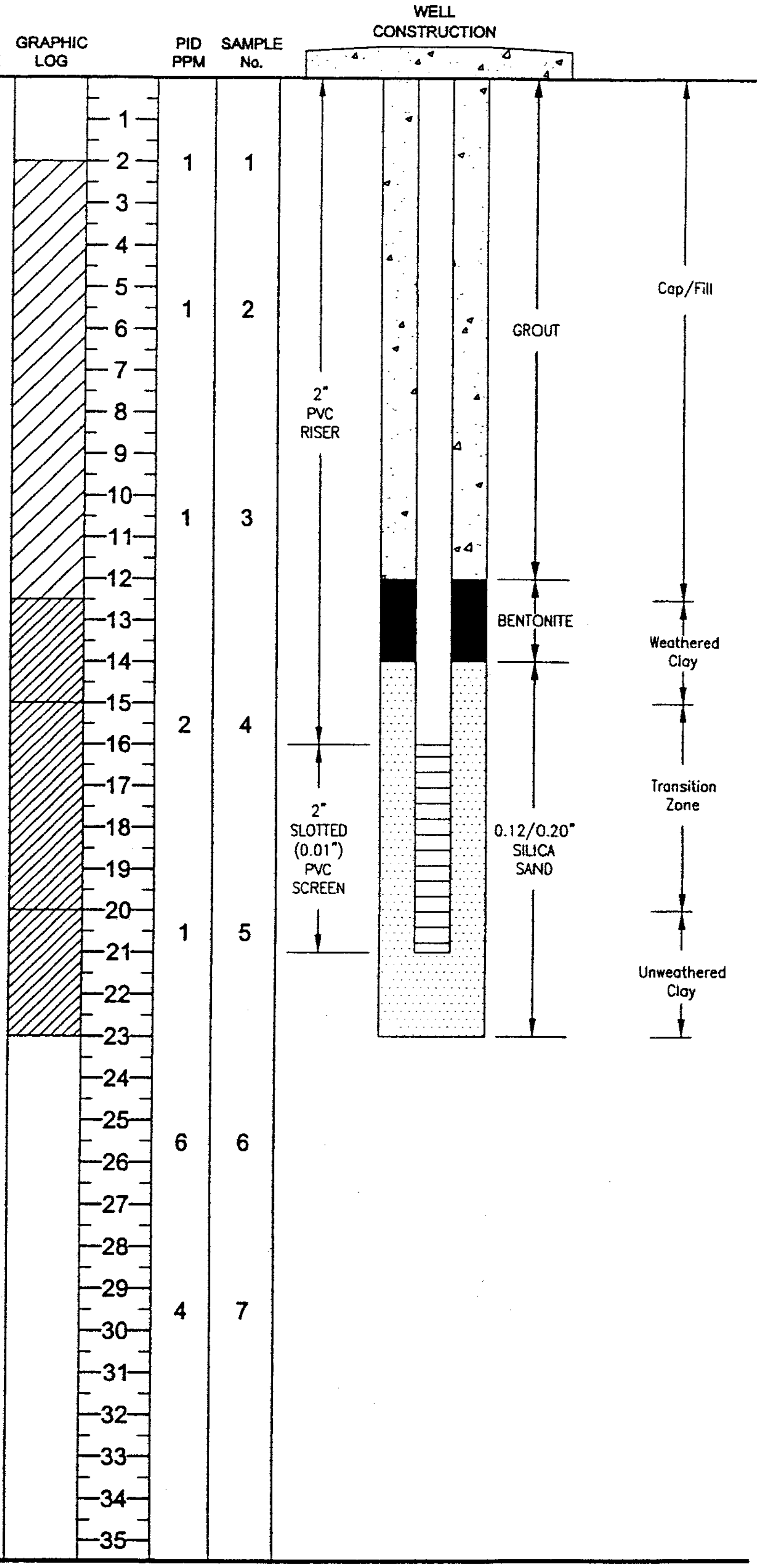
PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/12/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 23'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.
0-2: Large piece of limestone.	-		
2-12.5: Silty clay, brown with light gray and orange mottling. Moist, occasional gravel (1/8 inch). 1/4 inch spots of dark, dry clay. At 7 feet have 1-inch layer of black-dark brown clay.	CL	1 1 1	1 2 3
12.5-15: Clay, brown and orange with light gray mottling, light gray clay very pronounced in horizontal and vertical fracture filling.	CH		
15-20: Clay, brown with frequent lenses of sandy silt, vertical and horizontal fractures filled with silty sand, dry clay, moist in silty sandy fractures and lenses.	CH	2	4
20-23: Clay with trace silt, dark gray, dry.	CH	1	5
Total Depth = 23 feet		6 4	6 7

WELL CONSTRUCTION



4198/logs/mw23-33

Technically Complete
2444

HOLE No. MW-99-30

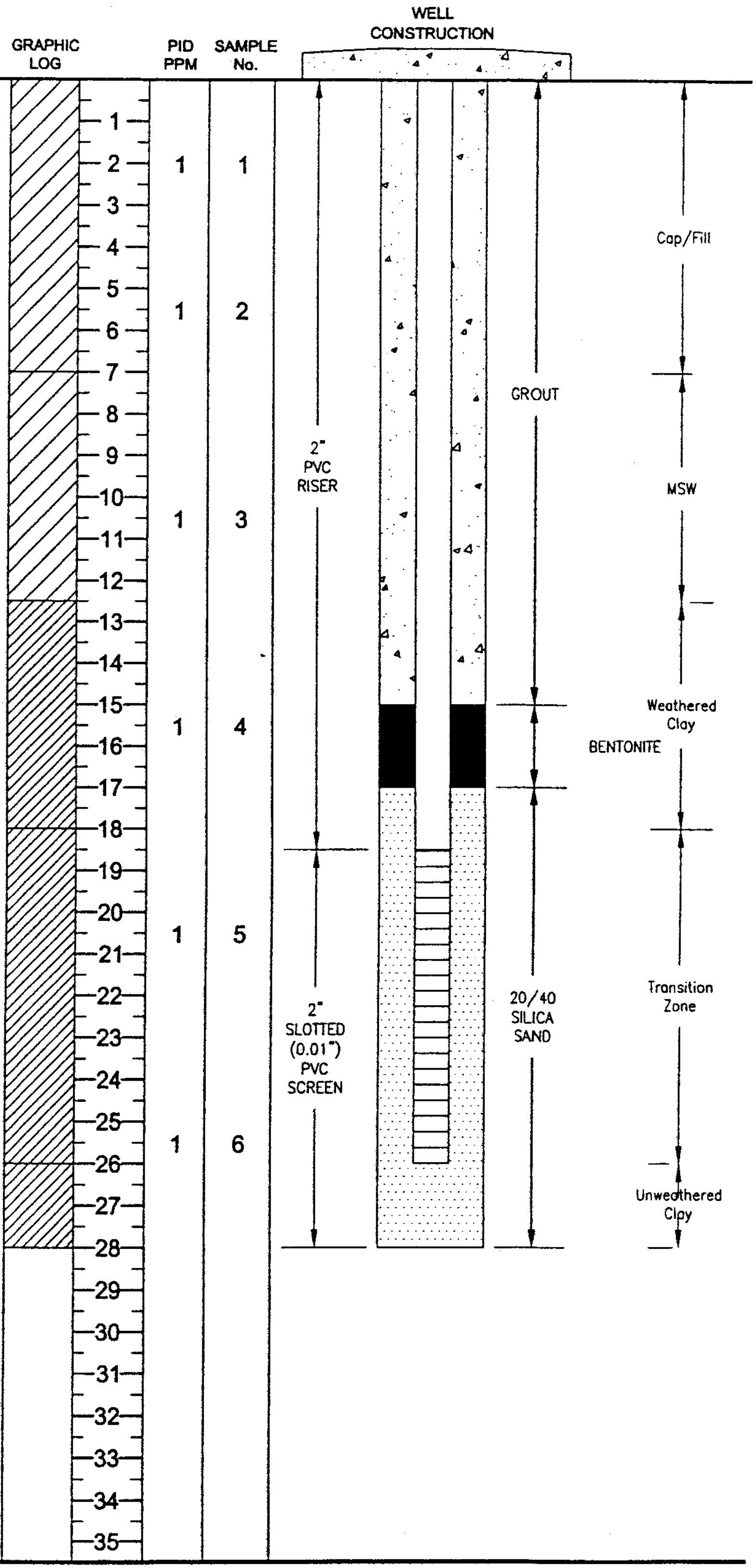
PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/12/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 28'

ThermoRetec

DESCRIPTION	SOIL TYPE
0-7: Clay, trace silt, brown with light brown, gray, orange mottling, slightly moist, occasional gravel, hardness at 1 foot = 2, hardness at 3 feet = 4.5 (1-inch layer of MSW (gravel and styrofoam) at 4 feet, leacheate odor, very soft).	CL
7-8: MSW mixed with clay, black to dark gray, paper, cardboard, wood, concrete. 8-12.5: Clay, dark gray to black with light gray and orange mottling, occasional MSW thin layers, medium soft, slightly moist.	CL
12.5-13: Clay, light brown-dark gray with orange mottling, dry, hardness > 5. 13-18: Clay, brown to orange with gray mottling in vertical and horizontal fracture fillings.	CH
18-26: Silty clay, orange and dark gray layers, dry, hardness > 5.	CH
26-28: Clay, dark gray, very hard, dry, hardness > 5.	CH
Total Depth = 28 feet	

PID PPM	SAMPLE No.
1	1
1	2
1	3
1	4
1	5
1	6



Technically Complete
2445

HOLE No. MW-99-31

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/6/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 30'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE No.	WELL CONSTRUCTION
0–18: Silty clay to clay, brown, light gray, dark gray, orange mottled, very hard and dry at top. Becomes softer and moister with depth, slight leacheate odor at 8 feet. Black inclusions and some small gravel (1/8 inch) at 12–13 feet, leachate odor. Moist at 18 feet, slightly leacheate odor.	CL	1 1 1 1	1 2 3 4	Cap/Fill
18–20.5: MSW layer at 19 feet. Pieces of roofing shingles and plywood, leacheate odor, roots, moist.	CL			MSW/ Fill
20.5–23: Clay, light gray with orange mottling, moist.	CH	1	5	Weathered Clay
23–28: No recovery till 28 feet. Clay, dark gray with orange layer 1 inch thick.	CH	1	6	
28–30: Clay, dark gray, very hard and dry.	CH			Unweathered Clay

Total Depth = 30 feet

4198/logs/mw23–33

Technically Complete
2446

HOLE No. B-99-32

PROJECT: Waste Management of Texas
DRILL RIG: Hollow Stem Rotary
HOLE DIA: 8.25"
LOCATION: -
PROJECT #: WASMN-04198-400

DATE DRILLED: 1/13/00
LOGGED BY: B. Crone
SAMPLER: B. Crone
DRILLER: ETTL
TOTAL DEPTH: 32'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG	PID PPM	SAMPLE No.	WELL CONSTRUCTION	
0–3: Sandy, silty clay, brown, light brown with orange mottling, very hard and dry.	CL	▨	2	1		Cap/Fill
3–7: Silty clay, light gray, dark gray, orange mottled, slightly moist.	CL	▨	2	2		
7–13: MSW mixed with clay at top grading to no clay, MSW only – paper, fiber, black to dark brown, leacheate odor, concrete (4 inches), very soft and water at 9 feet.	CL	▨	3	3		MSW/ Fill
13–18: No recovery, piece of concrete at bottom of sampler, water level up to 8 feet in hole.	-		NA	4		
19–24: Clay, light brown, gray, orange mottled, piece of plastic at 22.5 feet, soft.	CL	▨	NA	5		Clay/ Fill
24–30: Apparent industrial waste, strong hydrocarbon odor, plastic, wood, paper, glass, cardboard, styrofoam, metal.	-		70	6		Industrial Waste
30–32: Clay, brown with silty, sandy fillings in fractures, dry, hardness > 5.	CH	▨				Transition Zone
Total Depth = 32 feet						

4198/logs/mw23-33

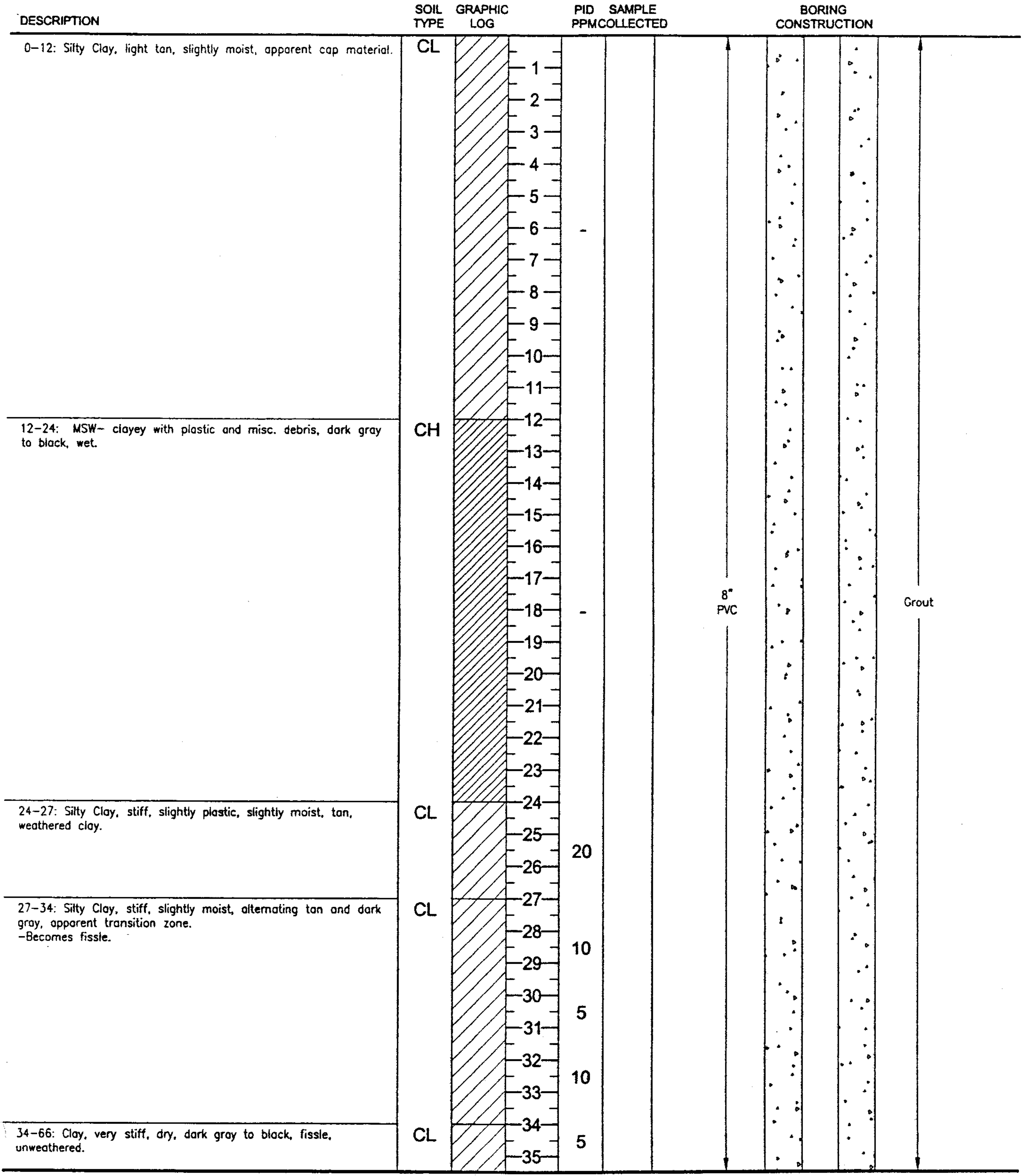
Technically Complete
2447

HOLE No. DB-1

PROJECT: Waste Management of Texas
DRILL RIG: –
HOLE DIA: 8"
LOCATION: Industrial Waste Unit
PROJECT #: WASMN-04198-400

DATE DRILLED: 4/5,10/00
LOGGED BY: C. Kopec
SAMPLER: C. Kopec
DRILLER: Best Drilling
TOTAL DEPTH: 66'

ThermoRetec



DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE COLLECTED
0–12: Silty Clay, light tan, slightly moist, apparent cap material.	CL	-	
12–24: MSW– clayey with plastic and misc. debris, dark gray to black, wet.	CH	-	
24–27: Silty Clay, stiff, slightly plastic, slightly moist, tan, weathered clay.	CL	20	
27–34: Silty Clay, stiff, slightly moist, alternating tan and dark gray, apparent transition zone. –Becomes fissle.	CL	10 5 10	
34–66: Clay, very stiff, dry, dark gray to black, fissle, unweathered.	CL	5	

4198/logs/db1-4

Technically Complete
2448

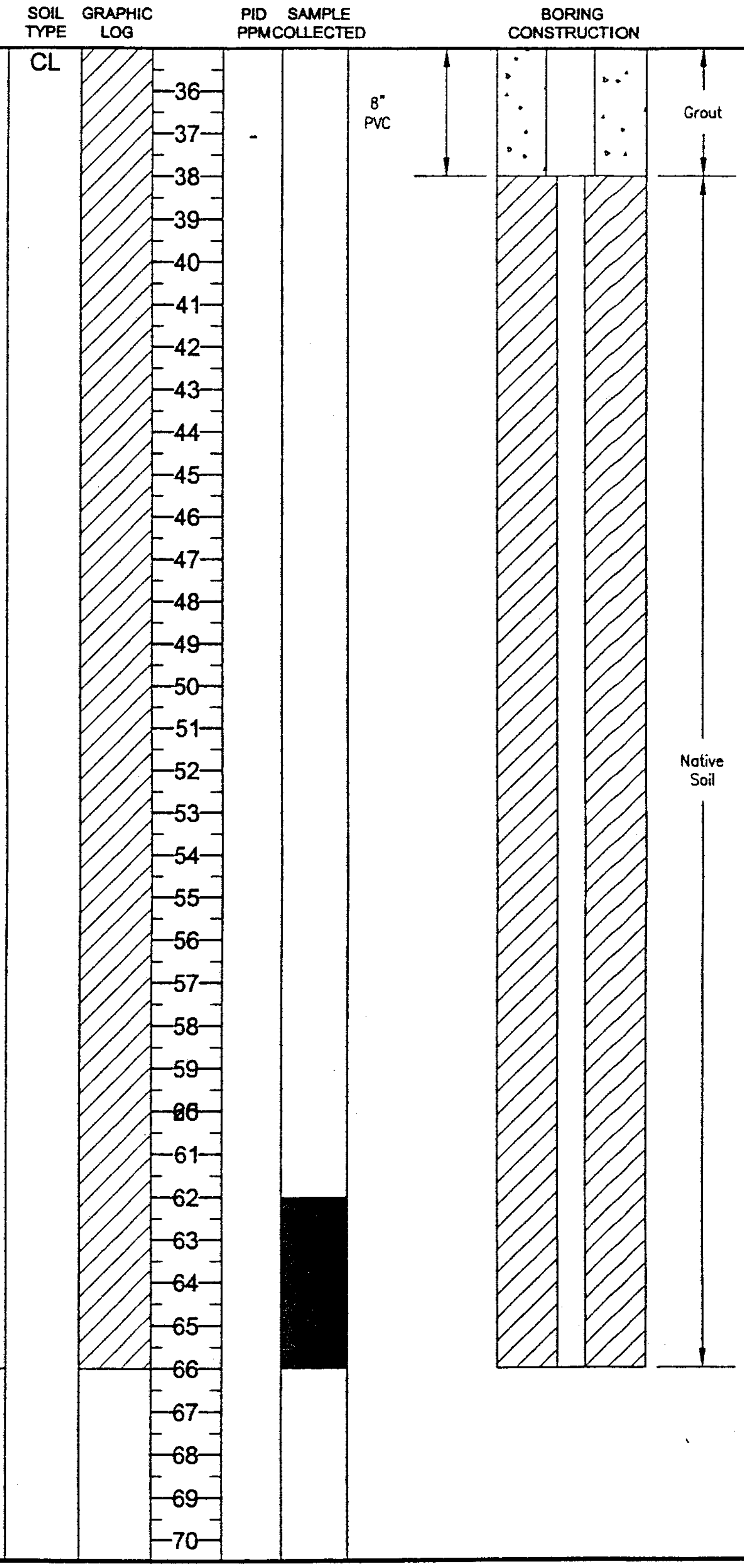
HOLE No. DB-1

PROJECT: Waste Management of Texas
DRILL RIG: –
HOLE DIA: 8"
LOCATION: Industrial Waste Unit
PROJECT #: WASMN-04198-400
DATE DRILLED: 4/5,10/00
LOGGED BY: C. Kopec
SAMPLER: C. Kopec
DRILLER: Best Drilling
TOTAL DEPTH: 66'

ThermoRetec

DESCRIPTION

Total Depth = 66 feet



4198/logs/db1-4

Technically Complete
2449

HOLE No. DB-2

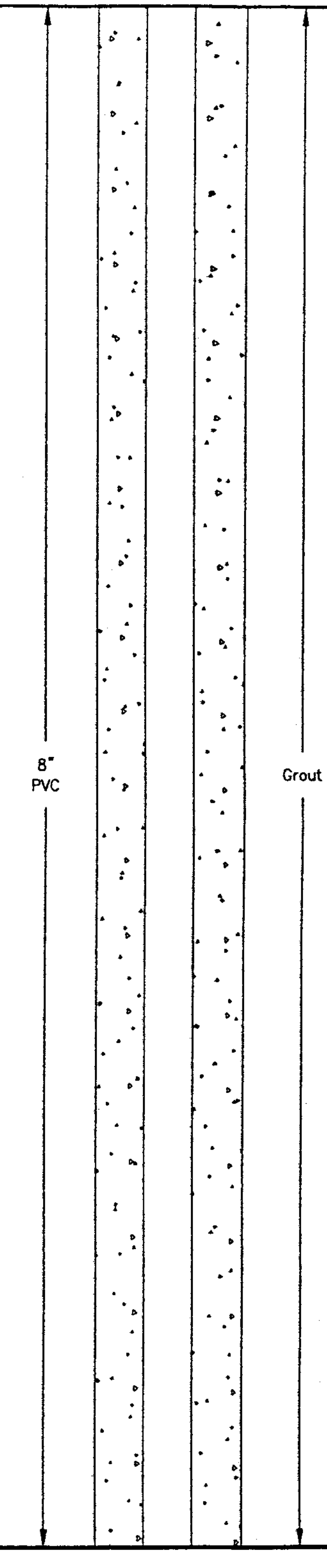
PROJECT: Waste Management of Texas
DRILL RIG: –
HOLE DIA: 8"
LOCATION: Industrial Waste Unit
PROJECT #: WASMN-04198-400

DATE DRILLED: 4/6,10/00
LOGGED BY: C. Kopec
SAMPLER: C. Kopec
DRILLER: Best Drilling
TOTAL DEPTH: 66'

ThermoRetec

DESCRIPTION	SOIL TYPE	GRAPHIC LOG		PID PPM	SAMPLE COLLECTED
0–22: Silty Clay, slightly moist, light tan.	CL				
			1		
			2		
			3		
			4		
			5		
			6	-	
			7		
			8		
			9		
			10		
			11		
			12		
			13		
			14		
			15		
			16		
			17		
			18	-	
			19		
			20		
			21		
22–32.5: Silty Clay, stiff, moderately plastic, slightly moist, tan, intermittent dark gray color, sparse micro-fracture with anhydrite crystalline filling, slight chemical odor from 29' to 32', apparent transition zone.	CL		22		
			23	0	
			24		
			25		
			26	6	
			27	13	
			28		
			29	500	
			30		
			31	510	
			32	500	
32.5–66: Clay, very stiff, dry, dark gray to black, slight chemical odor from 32.5' to 35'.	CL		33		
			34		
			35	450	

BORING CONSTRUCTION



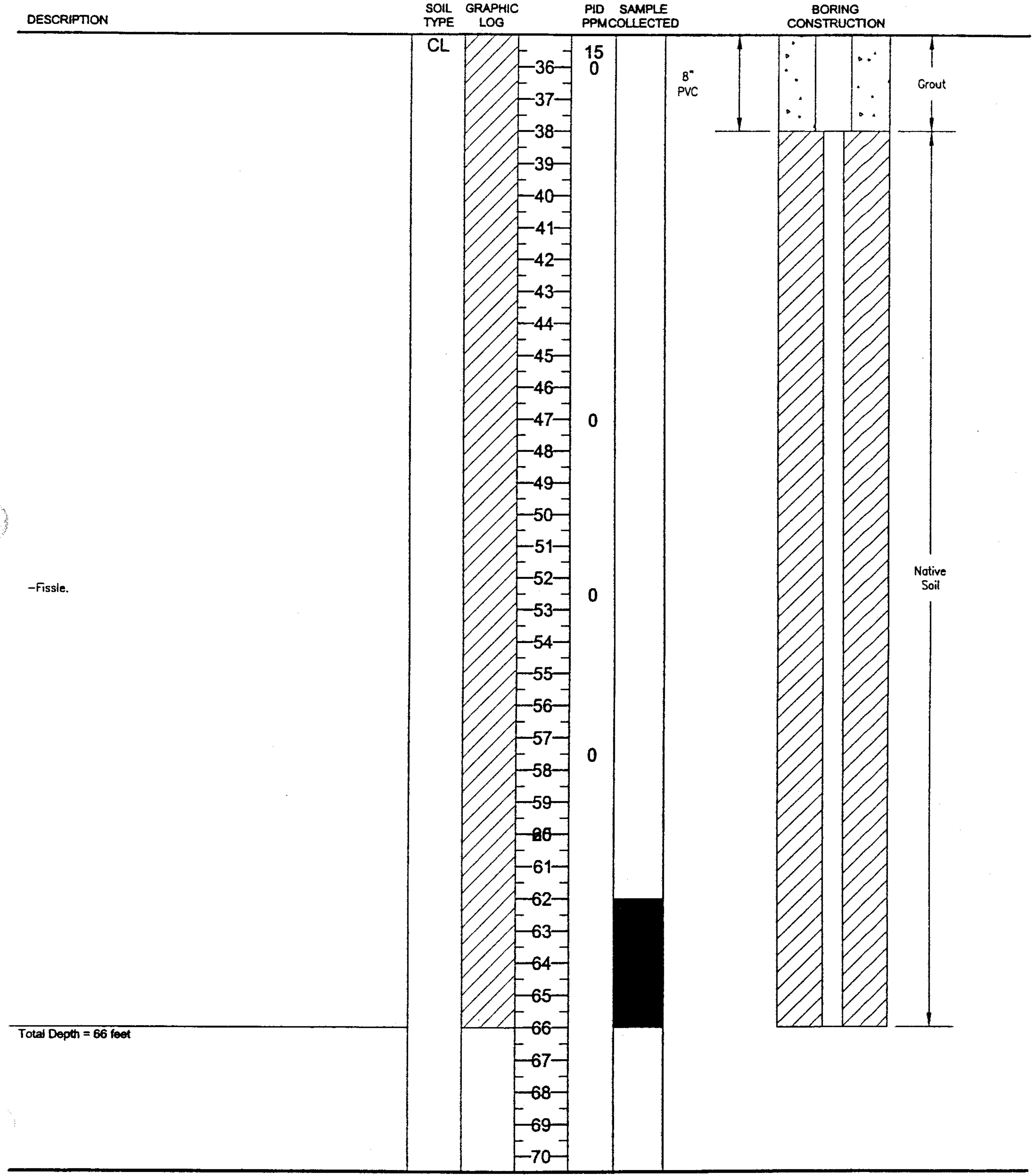
Technically Complete
2450

HOLE No. DB-2

PROJECT: Waste Management of Texas
DRILL RIG: –
HOLE DIA: 8"
LOCATION: Industrial Waste Unit
PROJECT #: WASMN-04198-400

DATE DRILLED: 4/6,10/00
LOGGED BY: C. Kopec
SAMPLER: C. Kopec
DRILLER: Best Drilling
TOTAL DEPTH: 66'

ThermoRetec



–Fissle.

Total Depth = 66 feet

Technically Complete
2451

HOLE No.
DB-3

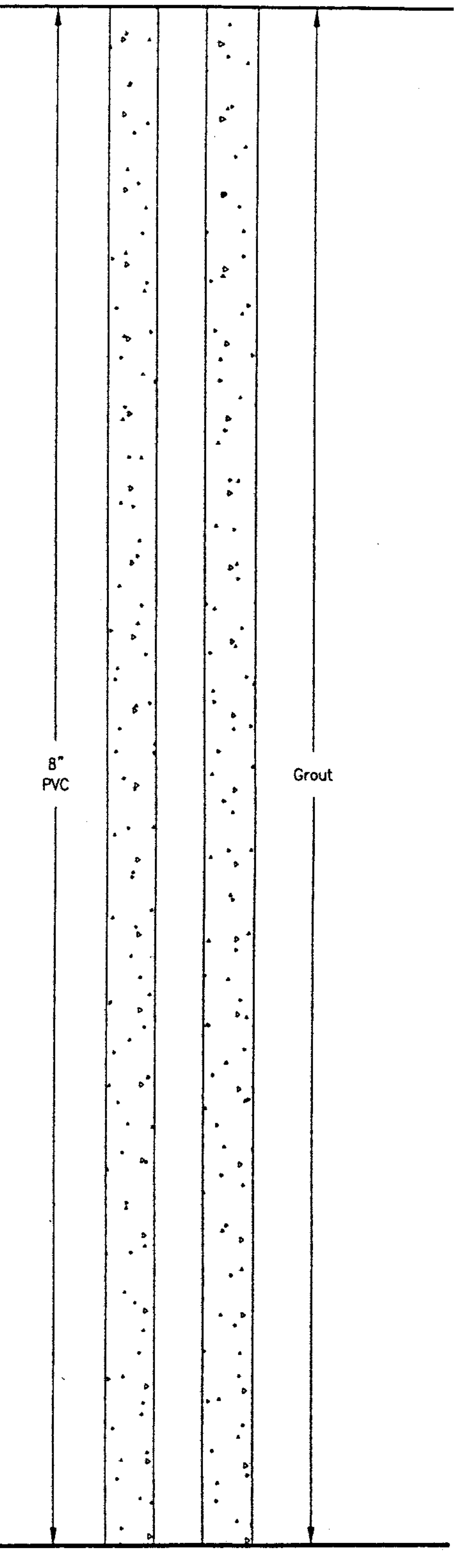
PROJECT:	Waste Management of Texas	DATE DRILLED:	4/7, 11/00
DRILL RIG:	–	LOGGED BY:	C. Kopec
HOLE DIA:	8"	SAMPLER:	C. Kopec
LOCATION:	Industrial Waste Unit	DRILLER:	Best Drilling
PROJECT #:	WASMN-04198-400	TOTAL DEPTH:	69'

ThermoRetec

DESCRIPTION	SOIL TYPE
0–3.5: Silty Clay, moist, tan to light brown, apparent cap material.	CL
3.5–7: MSW – Silty Clay with minor amounts of debris.	CH
7–29: Silty Clay, slightly moist, stiff, semi-plastic, tan.	CL
29–37: Silty Clay, very stiff, slightly moist, intermittent tan and dark gray layers, apparent transition zone, slight chemical odor from 34' to 40'.	CL

GRAPHIC LOG	PID PPM	SAMPLE COLLECTED
1		
2		
3		
4		
5		
6	-	
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21	0	
22	0	
23		
24	0	
25		
26		
27	0	
28		
29	0	
30	4	
31		
32		
33		
34	400	
35		

BORING CONSTRUCTION



4198/logs/db1-4

Technically Complete
2452

HOLE No.
DB-3

PROJECT: Waste Management of Texas
DRILL RIG: –
HOLE DIA: 8"
LOCATION: Industrial Waste Unit
PROJECT #: WASMN-04198-400

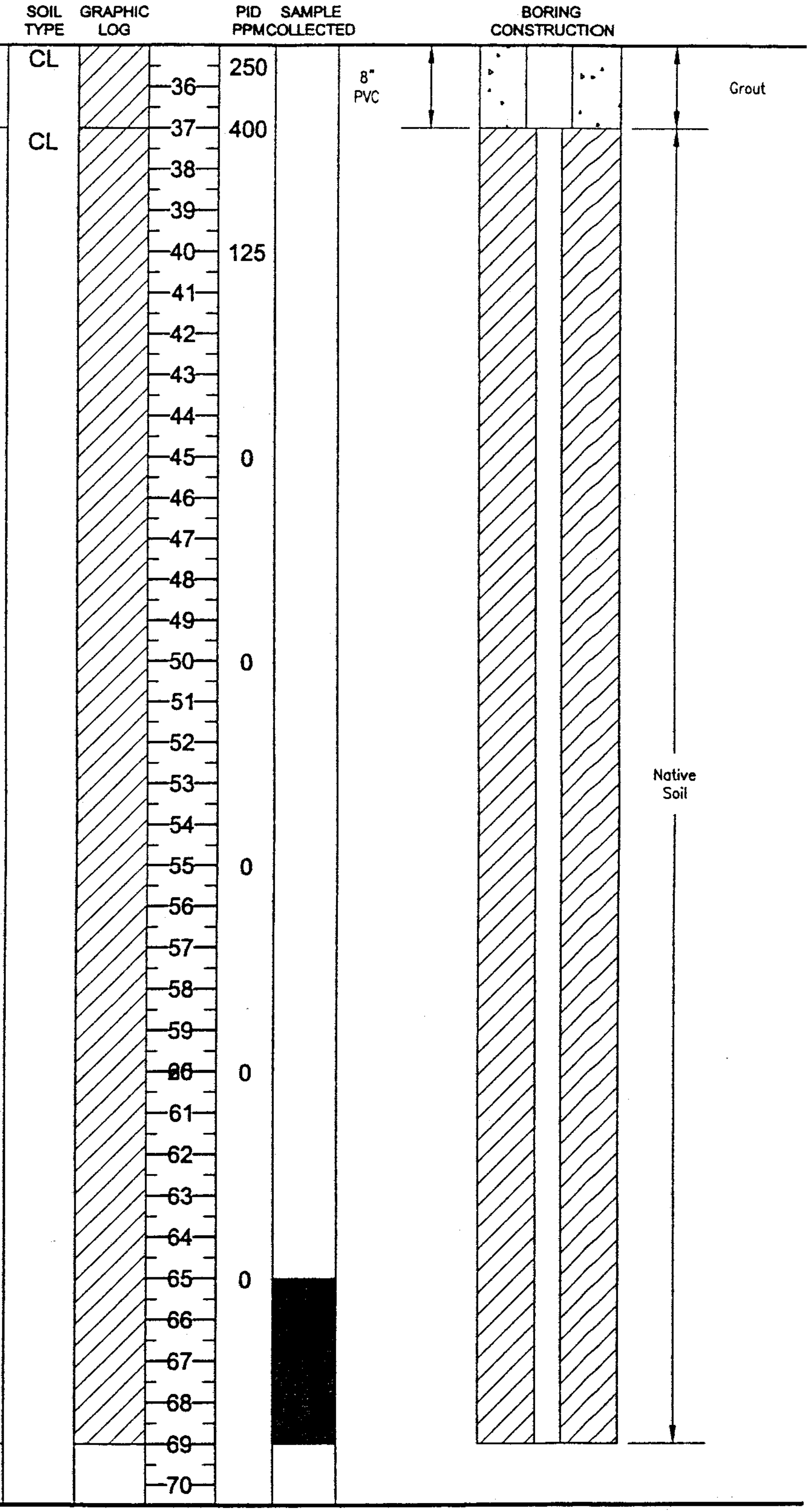
DATE DRILLED: 4/7, 11/00
LOGGED BY: C. Kopec
SAMPLER: C. Kopec
DRILLER: Best Drilling
TOTAL DEPTH: 69'

ThermoRetec

DESCRIPTION

37-69: Clay, stiff, dry, dark gray to black, unweathered.

Total Depth = 69 feet



4198/logs/db1-4

Technically Complete
2453

HOLE No. DB-4

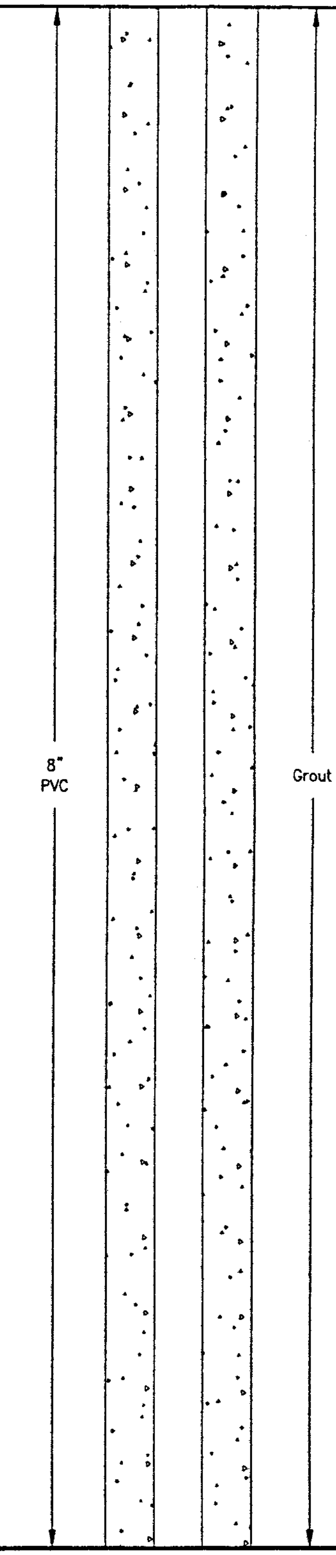
PROJECT: Waste Management of Texas
DRILL RIG: –
HOLE DIA: 8"
LOCATION: Industrial Waste Unit
PROJECT #: WASMN-04198-400

DATE DRILLED: 4/6,11/00
LOGGED BY: C. Kopec
SAMPLER: C. Kopec
DRILLER: Best Drilling
TOTAL DEPTH: 66'

ThermoRetec

DESCRIPTION	SOIL TYPE	PID PPM	SAMPLE COLLECTED
0–12: Silty Clay, moist, light tan, apparent cap material.	CL	-	
12–17.5: MSW – Silty Clay with minor amount of debris, dark gray to black, wet.	CH		
17.5–30: Silty Clay, tan, stiff, semi-plastic.	CL	- 0 0	
30–34: Silty Clay, very stiff, slightly moist, slightly plastic, alternating tan and dark gray layers, apparent transition zone.	CL	0 0	
34–66: Clay, very stiff, dry, very dark gray to black.	CL	0 0	

BORING CONSTRUCTION



4198/logs/db1-4

Technically Complete
2454

HOLE No. DB-4

PROJECT: Waste Management of Texas
DRILL RIG: –
HOLE DIA: 8"
LOCATION: Industrial Waste Unit
PROJECT #: WASMN-04198-400

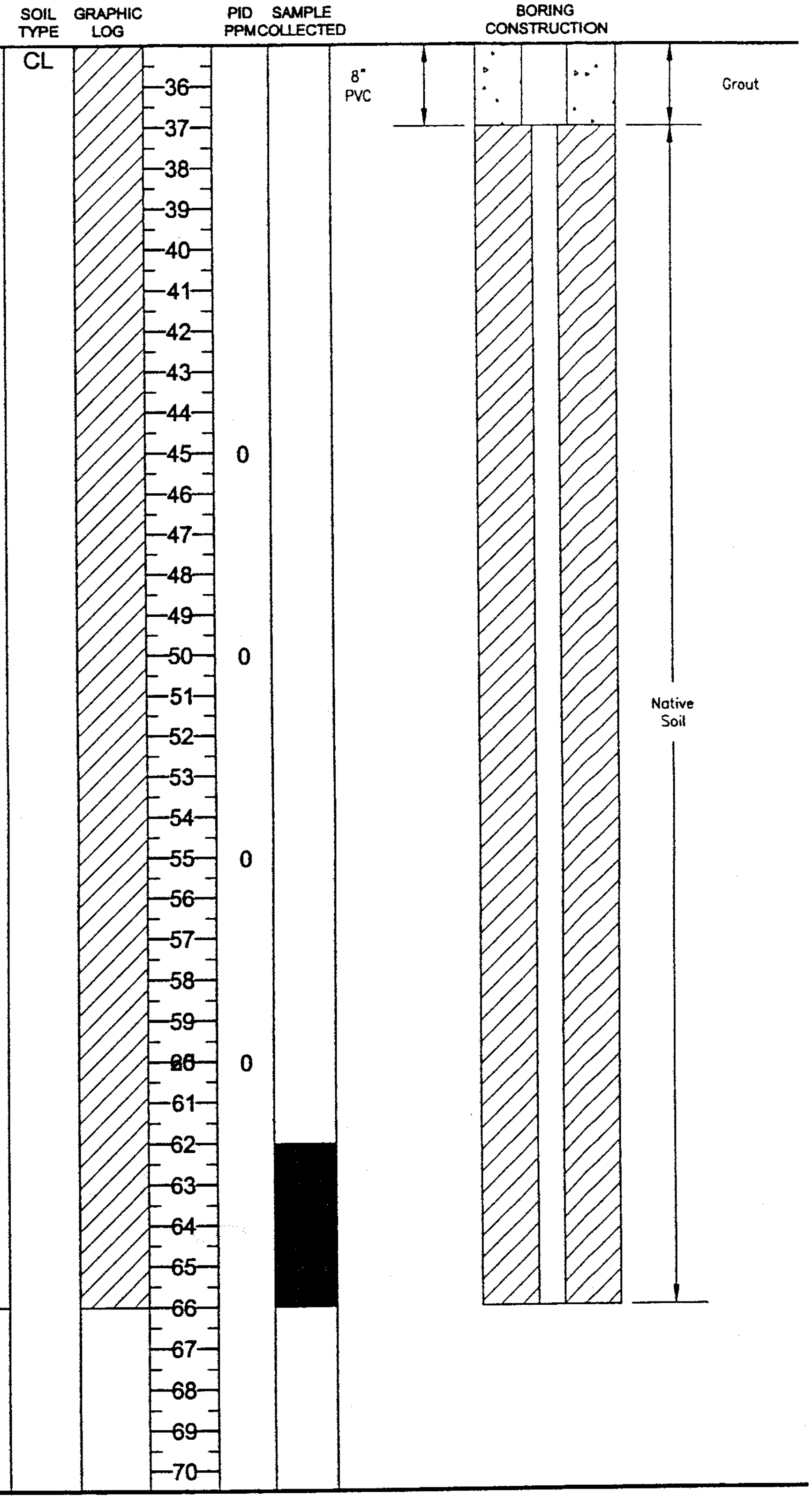
DATE DRILLED: 4/6,11/00
LOGGED BY: C. Kopec
SAMPLER: C. Kopec
DRILLER: Best Drilling
TOTAL DEPTH: 66'

ThermoRetec

DESCRIPTION

–Fissle.

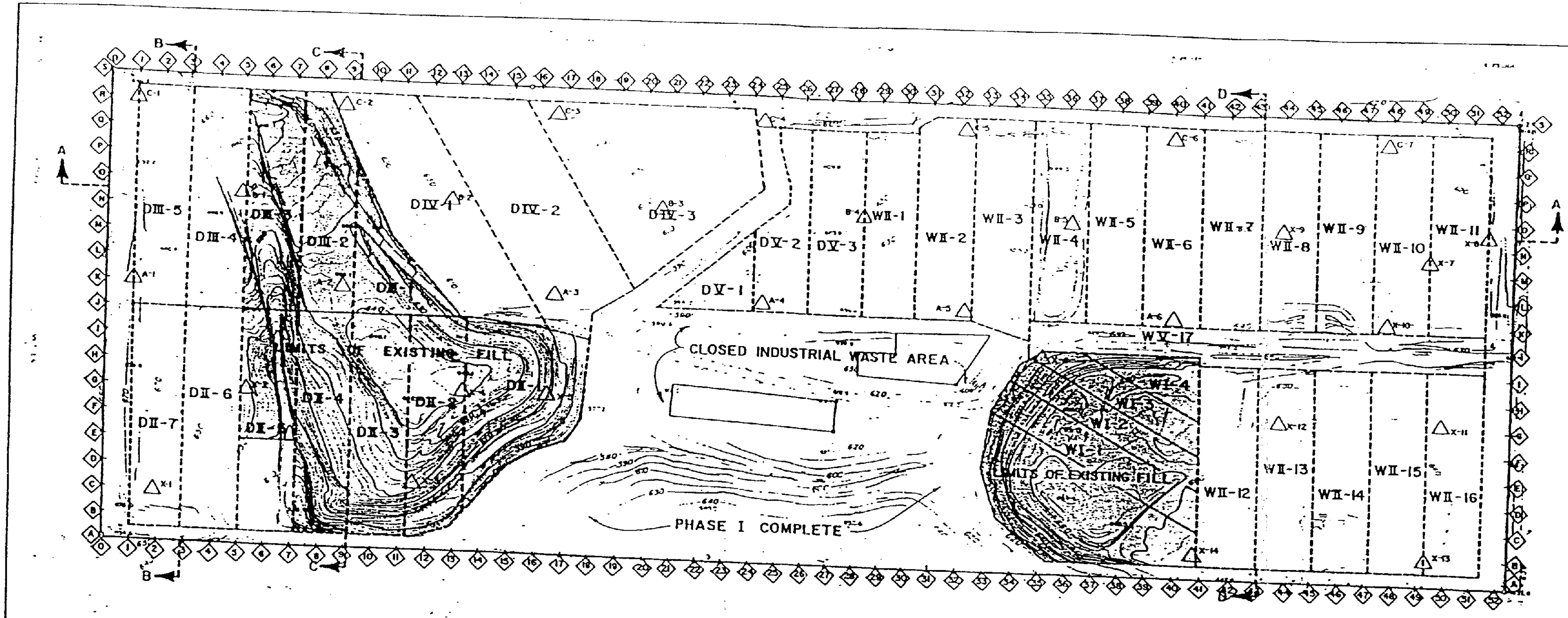
Total Depth = 66 feet



4198/logs/db1-4

Technically Complete
2455

INFORMATION USED TO SUPPORT BORING LOCATIONS AND ELEVATIONS CONTAINED IN TABLE 4.4



NOTE:

IN ACCORDANCE WITH TEXAS DEPARTMENT OF HEALTH REGULATION No. 325.602 (c), GRID MARKERS WILL BE SPACED ALONG SITE BOUNDARIES AT 100 FOOT STATIONS. THESE MARKERS WILL BE INSTALLED TO ENCOMPASS THE CURRENT FILL AREAS AND THE AREAS TO BE FILLED WITHIN A THREE YEAR PERIOD AND EXPANDED PROGRESSIVELY AS NEEDED.

LEGEND

E 24,000	TOPOGRAPHIC COORDINATES
640 ●	EXISTING SPOT ELEVATION
662	EXISTING CONTOUR
B ◄	CROSS SECTION LOCATION
———	PROPERTY LINE
- - - -	LIMITS OF FILL SECTORS
DIV-1	DRY WEATHER, PHASE 4, SECTOR 1. W-WET WEATHER
△ C-5	SOIL BORING LOCATION & LOG NUMBER
◇ 50	SITE GRID MARKERS
▨	EXISTING FILL AS OF 9/1/85
●	EXISTING CONCRETE MONUMENT

ELEANOR ANN SMYTH
59535

Eleanor A. Smyth
1-1-94

Removed from Plan by TCEQ approval 1/28/03

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RUST ENVIRONMENT & INFRASTRUCTURE

SITE DEVELOPMENT MAF
FIGURE 2a

SCALE: 1" = 200'
DESIGNED BY: DLP
DRAWN BY: DR/MJ
CHECKED BY:

PROJECT:
AUSTIN COMMUNITY LANDFILL
TRAVIS COUNTY, TEXAS.

SHEET TITLE:
SECTORIZED FILL LAYOUT

PITTMAN ENGINEERING
1408 NETHER
AUSTIN TEXAS 78704

SHEET 3 OF 10
ATTACHMENT NO.
4

Tech. Complete 2457

PERMANENT GAS [illegible]NITORING PROBE DATA

[illegible]ure 3b

Austin Community Recycling and Disposal Facility

Probe	Grid Coordinates	Natural Ground Elevation (ft MSL)	Depth of Probe (ft below ground)	Probe Bottom Elevation (ft MSL)	Screen Length (ft)	Top of Screen Elevation (ft MSL)	Elevation @ Top of Riser (ft MSL)	Approximate Depth of Waste* (ft)	Age of Waste** (yrs)
1	N R+95, E 49+20	621.4	30	591.4	25*	616.4*	623.90	32	5-10
2A	N R+96, E 48+52	621.4	30	591.4	26	617.4	623.38	36	5-10
3B	N R+91, E 47+82	621.5	20	601.5	15	616.5	624.71	33.5	5-10
4	N R+89, E 47+05	622.2	30	592.2	25*	617.2*	624.77	35	5-10
5	N R+86, E 46+09	622.1	30	592.1	25*	617.1*	625.48	35	5-10
6	N R+88, E 45+31	622.5	30	592.5	25*	617.5*	626.08	36	5-10
7	N R+87, E 5+83	640.3	30	610.3	25*	635.3*	643.31	24	1-5
8	N N+51, E 0+13	644.1	20	624.1	15*	639.1*	646.02	8	1-5
9	N ZZ+98, E 6+28	606.5	50	556.5	45*	601.5*	609.90	26.5	5-10
10	N A+15, E 40+62	663.9	30	633.9	25*	658.9*	666.81	47	10-15
13	N P+55, E 46+33	623.1	32	591.1	27*	618.1*	626.16	31	5-10
14	N Q+69, E 43+13	627.0	40	587.0	35*	622.0*	629.31	41	5-10
15A	N B+26, E 52+25	632.9	15	617.9	10*	627.9*	635.84	35	1-5
16	N R+79, E 21+94	623.0	40	583.0	35	618.0	625.52	35	1-5
17	*N H+80, E 51+50*	633.4	33	600.4	29	629.4	635.96	*55*	*1-5*
18	*N I+85, E W10+15*	604.4	43	561.4	39	600.4	606.81	*48*	*0*
19	*N G+20, E W18+90*	576.5	82	494.5	78	572.5	579.25	*87*	*0*
20	*N G+10, E W28+0*	551.8	52	499.8	48	547.8	554.59	*57*	*0*
21	*N B+50, E W28+0*	549.5	51	497.5	47	545.5	552.11	*53*	*0*
22	*N WW+85, E W20+0*	548.0	58	490.0	54	544.0	550.93	*59*	*0*
23	*N WW+85, E W10+50*	602.3	49	553.3	45	598.3	604.86	*82*	*0*
24	*N WW+90, E W1+20*	634.3	49	585.3	45	630.3	636.85	*48*	*0*
25	*N R+90, E 30+10*	609.8	28	581.8	24	605.8	612.19	*36.5*	*5-10*
26	*N A+43, E 49+00*	645.2	*40*	*605.2*	*36*	*641.2*	*647.96*	*52*	*1-5*

*These values are approximate lengths taken from typical drawings, not as-builts.

Technically Complete
2458

	Site Grid (Fig 3b) Coordinates		Translated Coordinates	
Probe	Northing	Easting	Northing	Easting
1	R+95	49+20	10096587.90	3151996.51
2A	R+96	48+52	10096620.16	3151936.64
3A				
3B	R+91	47+82	10096648.02	3151872.23
4	R+89	47+05	10096681.78	3151802.99
5	R+86	46+09	10096723.41	3151716.43
6	R+88	45+31	10096761.17	3151648.16
6A				
6B	R+89	39+49		
7	R+87	5+83	10098581.85	3148145.03
8	N+51	0+13	10098458.02	3147438.17
9	ZZ+98	6+28	10096973.89	3147359.54
10	A+15	40+62	10095404.56	3150414.02
13	P+55	46+33	10096507.39	3151631.15
14	Q+69	43+13	10096756.18	3151399.84
15A	B+26	52+25	10094966.44	3151497.04
16	R+79	21+94	10097831.45	3149570.60
17	H+80	51+50	10095581.28	3151732.30
18	I+85	W10+15	10098472.80	3146399.85
19	G+20	W18+90	10098641.37	3145501.28
20	G+10	W28+0	10099052.36	3144689.32
21	B+50	W28+0	10098644.26	3144477.08
22	WW+85	W20+0	10097862.59	3144972.29
23	WW+85	W10+50	10097424.27	3145815.12
24	WW+90	W1+20	10096999.61	3146642.52
25	R+90	30+10	10097464.72	3150299.65
26	A+43	49+00	10095042.76	3151170.41

SAM INC.

SURVEYING - AERIAL MAPPING - SUBSURFACE UTILITY ENGINEERING

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COMMENTS: Piezometer coordinates from field 05-26-2005

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Technically Complete
2460

File: X:\WM\AUSTIN\field\05-26-2005-GPS\CALCS\05-26-05.TXT 5/27/2005, 14:45:23

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ACL PIEZOMETERS 05-26-2005 J. SANDOVAL

NO. NORTHING   EASTING   ELEV.  DESC.

1060,10095038.830,3151171.259,640.644,ng.
1061,10095041.217,3151167.932,640.819,ng.
1062,10095044.634,3151170.362,641.046,ng.
1063,10095042.227,3151173.853,640.845,ng.
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1065,10095041.235,3151168.092,641.103,ec.
1066,10095044.433,3151170.341,641.157,ec.
1067,10095042.301,3151173.482,641.136,ec.
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1069,10095042.119,3151171.112,641.159,se.
1070,10095041.859,3151170.966,644.518,top.case
1071,10095041.761,3151170.842,644.040,pvc.top
1072,10096614.825,3151932.863,620.182,ng.
1073,10096616.883,3151929.125,620.438,ng.
1074,10096620.626,3151931.089,619.749,ng.
1075,10096618.584,3151934.836,619.970,ng.
1076,10096615.195,3151932.806,620.647,ec.
1077,10096616.978,3151929.474,620.663,ec.
1078,10096620.284,3151931.200,620.522,ec.
1079,10096618.563,3151934.544,620.483,ec.
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1095,10096648.997,3151871.376,621.973,pvc.top
```

23/493

05/26/05
WM Incorporations
Sam #23101

Locat. P-26 R2A #038
DWG. ACL-P162

J. Sandoval
M. Brown

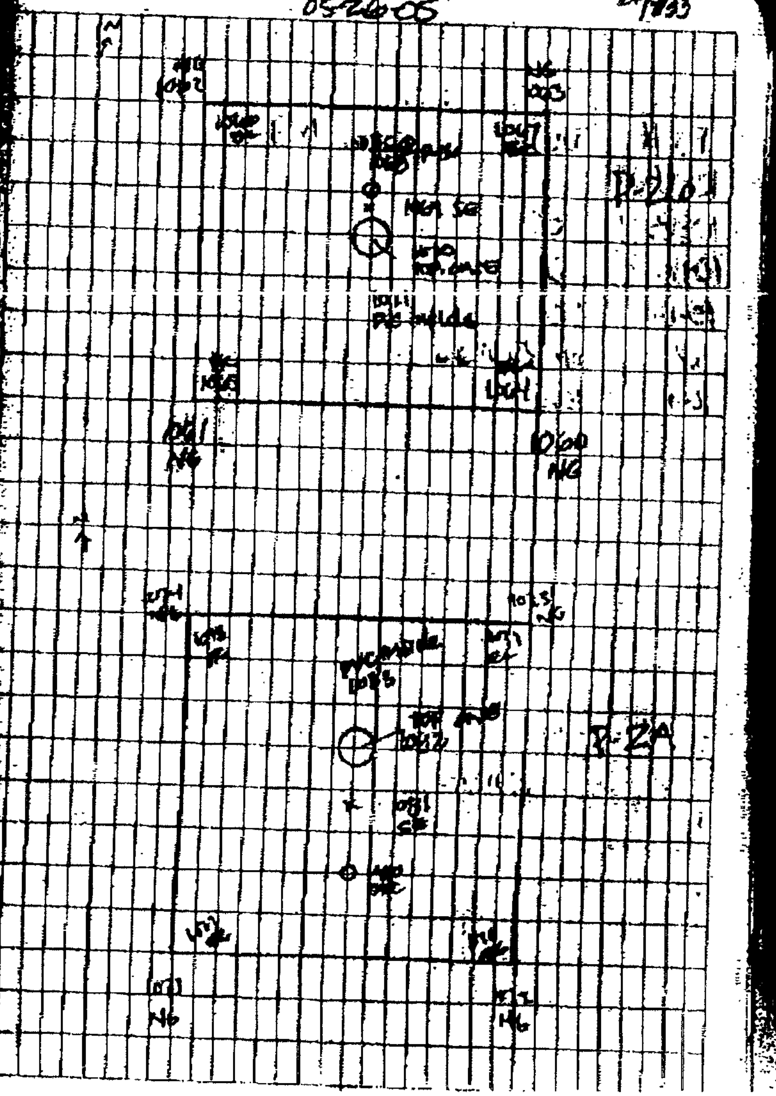
TC 80°

Base@	Ant Type	Rec Type	Ant Ht
52	Trimble 6-6	Trimble 6-6	6.562ft
Rover T	Trimble R8		2-unit
DC	Ranger w/ [illegible] ACL-PIEZ		
FS#	DESC	D-26	
1060-63	NG		
1064-67	EC		
1068	TIE @ D-26		
1069	SE.		
1070	TOP. CASE		
1071	TOP. PVC (INSIDE)		
1072-75	NG.	D-2A	
1076-79	EC.		
1080	DUC @ D-2A		
1081	SE.		
1082	TOP. CASE		
1083	TOP PVC. (INSIDE)		

ndoel lacw

05-26-05

?/433



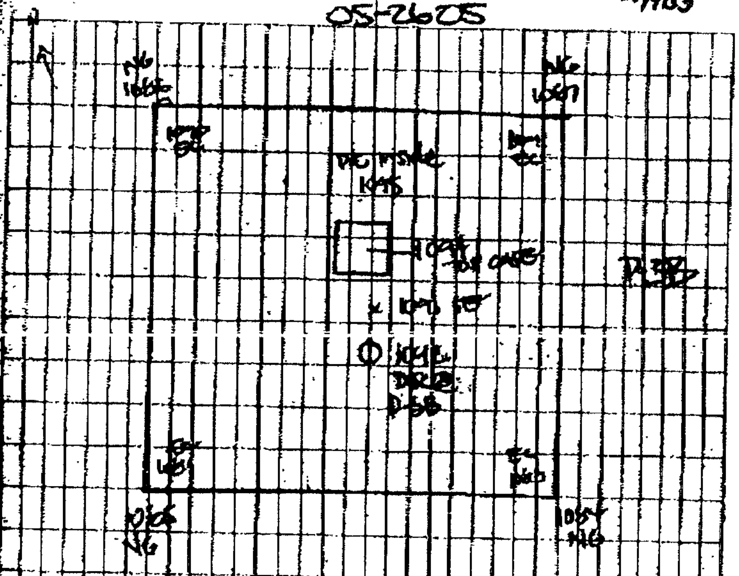
Base @
— S2 —

FS#	DESC.
1084-87	NG
1088-91	EC.
1092	DVC @ P3B
1093	SE.
1094	TOP CASE
1095	TOP DVC (inside)

Sandoval & crew

05-2605

25/1103



Technically Complete
2464

APPENDIX E

GROUNDWATER QUALITY TESTING DATA

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,1,2-Tetrachloroethane	PZ-32	7/28/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-02C	7/20/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-05A	7/20/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-11	7/20/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-12	7/20/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-13	7/20/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-15	7/20/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-20	7/20/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-21	7/20/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-33	7/20/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-10	5/12/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-32	5/12/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-32	1/24/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-02C	1/19/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-05A	1/19/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-11	1/19/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-12	1/19/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-13	1/19/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-15	1/19/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-20	1/19/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-21	1/19/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-33	1/19/06	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	FB-01	11/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-30	11/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-33	11/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	TRIP BLANK	11/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-29	8/26/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-33	8/26/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-02C	8/18/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-05A	8/18/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-11	8/18/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-12	8/18/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-13	8/18/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-15	8/18/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-20	8/18/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW-21	8/18/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW07	3/23/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW33	3/23/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-29	3/23/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-30	3/23/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-32	3/23/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-33	3/23/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	3/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	3/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	3/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	3/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	3/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	3/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	3/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	3/17/05	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	9/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	9/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	9/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	9/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	9/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	9/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	9/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	9/2/04	5	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,1,2-Tetrachloroethane	PZ-29	5/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-33	5/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW33	5/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-30	5/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-28	4/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-29	4/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-32	4/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-33	4/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW33	4/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-30	4/2/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	3/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	3/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	3/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	3/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	3/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	3/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	3/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	3/26/04	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-29	12/30/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-33	12/30/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-30	12/30/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-27	12/30/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-29	10/1/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-33	10/1/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-30	10/1/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW33	10/1/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-32	10/1/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-27	10/1/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	9/24/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	9/24/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	9/24/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	9/24/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	9/24/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	9/24/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	9/24/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	9/24/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW33	7/25/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-30	7/25/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	3/20/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	3/20/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	3/20/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	3/20/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	3/20/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	3/20/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	3/20/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	3/20/03	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	9/24/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	9/24/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	9/24/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	9/24/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	9/24/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	9/24/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	9/24/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	9/24/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	3/12/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	3/12/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	3/12/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	3/12/02	5	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,1,2-Tetrachloroethane	MW15	3/12/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	3/12/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	3/12/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	3/12/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	1/9/02	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	9/25/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	9/25/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	9/25/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	9/25/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	9/25/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	9/25/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	9/25/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	9/25/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	6/1/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	3/14/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	3/14/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	3/14/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	3/14/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	3/14/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	3/14/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	3/14/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	3/14/01	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	12/6/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	9/26/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	9/26/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	9/26/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02C	9/26/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	9/26/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	9/26/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	9/26/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	9/26/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW30	3/21/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	3/21/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	3/21/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	3/21/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	3/21/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	3/21/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	3/21/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	3/21/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	3/21/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW29A	3/20/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-26	3/16/00	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	9/21/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	9/21/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	9/21/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	9/21/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	9/21/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	9/21/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	9/21/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	9/21/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	3/17/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	3/17/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	3/16/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	3/16/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	3/16/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	3/16/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	3/15/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	3/15/99	5	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,1,2-Tetrachloroethane	PZ-26	2/25/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW06	2/25/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	PZ-25	2/25/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW03	2/25/99	5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	10/15/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	10/15/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	10/15/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	10/15/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	10/15/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	10/15/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	10/15/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	10/15/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	3/12/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	3/12/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	3/12/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	3/12/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	3/12/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	3/12/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	3/12/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	3/12/98	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	12/19/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	12/19/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	12/19/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	12/19/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	12/19/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	12/19/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	12/19/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	12/19/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	9/11/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	9/11/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	9/11/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	9/10/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	9/10/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	9/10/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	9/10/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	9/10/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	6/27/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	6/27/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	6/27/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	6/27/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	6/27/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	6/27/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	6/27/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	6/27/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	3/12/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	3/12/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	3/12/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	3/12/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	3/12/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	3/12/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	3/12/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	3/12/97	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	12/4/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	12/4/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	12/4/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	12/4/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	12/4/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	12/4/96	0.2	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,1,2-Tetrachloroethane	MW20	12/4/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	12/4/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	9/11/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	9/11/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	9/11/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	9/11/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	9/11/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	9/11/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	9/11/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	9/11/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02B	7/2/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	7/2/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW11	7/2/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW12	7/2/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW13	7/2/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	7/2/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW20	7/2/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW21	7/2/96	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW01A	7/22/94	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02A	7/22/94	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW03	7/22/94	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05	7/22/94	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW06	7/22/94	0.2	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05A	5/12/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW15	4/26/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW01A	4/25/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02A	4/25/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW03	4/25/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05	4/25/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW06	4/25/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW01A	1/31/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02A	1/31/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW03	1/31/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05	1/31/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW06	1/31/94	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW01A	10/18/93	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02A	10/18/93	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW03	10/18/93	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05	10/18/93	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW06	10/18/93	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW03	7/27/93	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW06	7/27/93	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW01A	7/26/93	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW02A	7/26/93	0.5	5	ND	ug/L
1,1,1,2-Tetrachloroethane	MW05	7/26/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-32	7/28/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-02C	7/20/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-05A	7/20/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-11	7/20/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-12	7/20/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-13	7/20/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-15	7/20/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-20	7/20/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-21	7/20/06	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-33	7/20/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-10	5/12/06	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-32	5/12/06	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-32	1/24/06	5	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,1-Trichloroethane	MW-02C	1/19/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-05A	1/19/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-11	1/19/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-12	1/19/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-13	1/19/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-15	1/19/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-20	1/19/06	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-21	1/19/06	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-33	1/19/06	5	5	ND	ug/L
1,1,1-Trichloroethane	FB-01	11/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-30	11/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-33	11/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	TRIP BLANK	11/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-29	8/26/05	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-33	8/26/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-02C	8/18/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-05A	8/18/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-11	8/18/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-12	8/18/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-13	8/18/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-15	8/18/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-20	8/18/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW-21	8/18/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW07	3/23/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW33	3/23/05	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-29	3/23/05	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-30	3/23/05	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-32	3/23/05	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-33	3/23/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	3/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	3/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	3/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	3/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	3/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	3/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	3/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	3/17/05	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	9/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	9/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	9/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	9/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	9/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	9/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	9/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	9/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-29	5/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-33	5/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW33	5/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-30	5/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-28	4/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-29	4/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-32	4/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-33	4/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW33	4/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-30	4/2/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	3/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	3/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	3/26/04	5	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,1-Trichloroethane	MW02C	3/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	3/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	3/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	3/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	3/26/04	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-29	12/30/03	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-33	12/30/03	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-30	12/30/03	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-27	12/30/03	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-29	10/1/03	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-33	10/1/03	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-30	10/1/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW33	10/1/03	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-32	10/1/03	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-27	10/1/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	9/24/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	9/24/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	9/24/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	9/24/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	9/24/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	9/24/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	9/24/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	9/24/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW33	7/25/03	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-30	7/25/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	3/20/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	3/20/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	3/20/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	3/20/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	3/20/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	3/20/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	3/20/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	3/20/03	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	9/24/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	9/24/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	9/24/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	9/24/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	9/24/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	9/24/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	9/24/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	9/24/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	3/12/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	3/12/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	3/12/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	3/12/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	3/12/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	3/12/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	3/12/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	3/12/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	1/9/02	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	9/25/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	9/25/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	9/25/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	9/25/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	9/25/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	9/25/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	9/25/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	9/25/01	5	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,1-Trichloroethane	MW02C	6/1/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	3/14/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	3/14/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	3/14/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	3/14/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	3/14/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	3/14/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	3/14/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	3/14/01	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	12/6/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	9/26/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	9/26/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	9/26/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02C	9/26/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	9/26/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	9/26/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	9/26/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	9/26/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW30	3/21/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	3/21/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	3/21/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	3/21/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	3/21/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	3/21/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	3/21/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	3/21/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	3/21/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW29A	3/20/00	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-26	3/16/00	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	9/21/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	9/21/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	9/21/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	9/21/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	9/21/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	9/21/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	9/21/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	9/21/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW13	3/17/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	3/17/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	3/16/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW21	3/16/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW12	3/16/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW20	3/16/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	3/15/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW11	3/15/99	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-26	2/25/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW06	2/25/99	5	5	ND	ug/L
1,1,1-Trichloroethane	PZ-25	2/25/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW03	2/25/99	5	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	10/15/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	10/15/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW11	10/15/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW12	10/15/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW13	10/15/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW15	10/15/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW20	10/15/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW21	10/15/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	3/12/98	0.2	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,1-Trichloroethane	MW05A	3/12/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW11	3/12/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW12	3/12/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW13	3/12/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW15	3/12/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW20	3/12/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW21	3/12/98	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	12/19/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	12/19/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW11	12/19/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW12	12/19/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW13	12/19/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW15	12/19/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW20	12/19/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW21	12/19/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	9/11/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW11	9/11/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW21	9/11/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	9/10/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW12	9/10/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW13	9/10/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW15	9/10/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW20	9/10/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	6/27/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	6/27/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW11	6/27/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW12	6/27/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW13	6/27/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW15	6/27/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW20	6/27/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW21	6/27/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	3/12/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	3/12/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW11	3/12/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW12	3/12/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW13	3/12/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW15	3/12/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW20	3/12/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW21	3/12/97	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	12/4/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	12/4/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW11	12/4/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW12	12/4/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW13	12/4/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW15	12/4/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW20	12/4/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW21	12/4/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	9/11/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	9/11/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW11	9/11/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW12	9/11/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW13	9/11/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW15	9/11/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW20	9/11/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW21	9/11/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW02B	7/2/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	7/2/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW11	7/2/96	0.2	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,1-Trichloroethane	MW12	7/2/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW13	7/2/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW15	7/2/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW20	7/2/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW21	7/2/96	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW01A	7/22/94	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW02A	7/22/94	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW03	7/22/94	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW05	7/22/94	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW06	7/22/94	0.2	5	ND	ug/L
1,1,1-Trichloroethane	MW05A	5/12/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW15	4/26/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW01A	4/25/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW02A	4/25/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW03	4/25/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW05	4/25/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW06	4/25/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW01A	1/31/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW02A	1/31/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW03	1/31/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW05	1/31/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW06	1/31/94	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW01A	10/18/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW02A	10/18/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW03	10/18/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW05	10/18/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW06	10/18/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW03	7/27/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW06	7/27/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW01A	7/26/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW02A	7/26/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW05	7/26/93	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW02A	5/21/92	2	5	ND	ug/L
1,1,1-Trichloroethane	MW01A	11/7/91	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW02A	11/7/91	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW03	11/7/91	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW05	11/7/91	0.5	5	ND	ug/L
1,1,1-Trichloroethane	MW06	11/7/91	0.5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-32	7/28/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-02C	7/20/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-05A	7/20/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-11	7/20/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-12	7/20/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-13	7/20/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-15	7/20/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-20	7/20/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-21	7/20/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-33	7/20/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-10	5/12/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-32	5/12/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-32	1/24/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-02C	1/19/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-05A	1/19/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-11	1/19/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-12	1/19/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-13	1/19/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-15	1/19/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-20	1/19/06	5	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,2,2-Tetrachloroethane	MW-21	1/19/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-33	1/19/06	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	FB-01	11/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-30	11/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-33	11/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	TRIP BLANK	11/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-29	8/26/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-33	8/26/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-02C	8/18/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-05A	8/18/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-11	8/18/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-12	8/18/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-13	8/18/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-15	8/18/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-20	8/18/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW-21	8/18/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW07	3/23/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW33	3/23/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-29	3/23/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-30	3/23/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-32	3/23/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-33	3/23/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	3/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	3/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	3/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	3/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	3/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	3/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	3/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	3/17/05	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	9/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	9/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	9/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	9/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	9/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	9/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	9/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	9/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-29	5/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-33	5/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW33	5/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-30	5/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-28	4/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-29	4/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-32	4/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-33	4/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW33	4/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-30	4/2/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	3/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	3/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	3/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	3/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	3/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	3/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	3/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	3/26/04	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-29	12/30/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-33	12/30/03	5	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,2,2-Tetrachloroethane	PZ-30	12/30/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-27	12/30/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-29	10/1/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-33	10/1/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-30	10/1/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW33	10/1/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-32	10/1/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-27	10/1/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	9/24/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	9/24/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	9/24/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	9/24/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	9/24/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	9/24/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	9/24/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	9/24/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW33	7/25/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-30	7/25/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	3/20/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	3/20/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	3/20/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	3/20/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	3/20/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	3/20/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	3/20/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	3/20/03	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	9/24/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	9/24/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	9/24/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	9/24/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	9/24/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	9/24/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	9/24/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	9/24/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	3/12/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	3/12/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	3/12/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	3/12/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	3/12/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	3/12/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	3/12/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	3/12/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	1/9/02	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	9/25/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	9/25/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	9/25/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	9/25/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	9/25/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	9/25/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	9/25/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	9/25/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	6/1/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	3/14/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	3/14/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	3/14/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	3/14/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	3/14/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	3/14/01	5	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,2,2-Tetrachloroethane	MW20	3/14/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	3/14/01	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	12/6/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	9/26/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	9/26/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	9/26/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02C	9/26/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	9/26/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	9/26/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	9/26/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	9/26/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW30	3/21/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	3/21/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	3/21/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	3/21/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	3/21/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	3/21/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	3/21/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	3/21/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	3/21/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW29A	3/20/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-26	3/16/00	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	9/21/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	9/21/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	9/21/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	9/21/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	9/21/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	9/21/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	9/21/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	9/21/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	3/17/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	3/17/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	3/16/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	3/16/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	3/16/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	3/16/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	3/15/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	3/15/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-26	2/25/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW06	2/25/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	PZ-25	2/25/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW03	2/25/99	5	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	10/15/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	10/15/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	10/15/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	10/15/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	10/15/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	10/15/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	10/15/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	10/15/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	3/12/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	3/12/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	3/12/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	3/12/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	3/12/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	3/12/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	3/12/98	0.2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	3/12/98	0.2	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,2,2-Tetrachloroethane	MW02B	12/19/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	12/19/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	12/19/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	12/19/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	12/19/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	12/19/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	12/19/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	12/19/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	9/11/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	9/11/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	9/11/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	9/10/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	9/10/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	9/10/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	9/10/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	9/10/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	6/27/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	6/27/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	6/27/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	6/27/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	6/27/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	6/27/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	6/27/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	6/27/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	3/12/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	3/12/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	3/12/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	3/12/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	3/12/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	3/12/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	3/12/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	3/12/97	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	12/4/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	12/4/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	12/4/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	12/4/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	12/4/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	12/4/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	12/4/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	12/4/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	9/11/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	9/11/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	9/11/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	9/11/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	9/11/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	9/11/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	9/11/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	9/11/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02B	7/2/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	7/2/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW11	7/2/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW12	7/2/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW13	7/2/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	7/2/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW20	7/2/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW21	7/2/96	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW01A	7/22/94	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02A	7/22/94	0.3	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,2,2-Tetrachloroethane	MW03	7/22/94	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05	7/22/94	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW06	7/22/94	0.3	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05A	5/12/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW15	4/26/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW01A	4/25/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02A	4/25/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW03	4/25/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05	4/25/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW06	4/25/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW01A	1/31/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02A	1/31/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW03	1/31/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05	1/31/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW06	1/31/94	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW01A	10/18/93	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02A	10/18/93	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW03	10/18/93	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05	10/18/93	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW06	10/18/93	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW03	7/27/93	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW06	7/27/93	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW01A	7/26/93	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02A	7/26/93	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05	7/26/93	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02A	5/21/92	2	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW01A	11/7/91	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW02A	11/7/91	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW03	11/7/91	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW05	11/7/91	1	5	ND	ug/L
1,1,2,2-Tetrachloroethane	MW06	11/7/91	1	5	ND	ug/L
1,1,2-Trichloroethane	PZ-32	7/28/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-02C	7/20/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-05A	7/20/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-11	7/20/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-12	7/20/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-13	7/20/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-15	7/20/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-20	7/20/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-21	7/20/06	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-33	7/20/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-10	5/12/06	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-32	5/12/06	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-32	1/24/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-02C	1/19/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-05A	1/19/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-11	1/19/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-12	1/19/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-13	1/19/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-15	1/19/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-20	1/19/06	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-21	1/19/06	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-33	1/19/06	5	5	ND	ug/L
1,1,2-Trichloroethane	FB-01	11/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-30	11/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-33	11/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	TRIP BLANK	11/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-29	8/26/05	5	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,2-Trichloroethane	PZ-33	8/26/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-02C	8/18/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-05A	8/18/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-11	8/18/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-12	8/18/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-13	8/18/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-15	8/18/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-20	8/18/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW-21	8/18/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW07	3/23/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW33	3/23/05	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-29	3/23/05	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-30	3/23/05	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-32	3/23/05	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-33	3/23/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	3/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	3/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	3/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	3/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	3/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	3/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	3/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	3/17/05	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	9/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	9/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	9/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	9/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	9/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	9/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	9/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	9/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-29	5/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-33	5/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW33	5/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-30	5/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-28	4/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-29	4/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-32	4/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-33	4/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW33	4/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-30	4/2/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	3/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	3/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	3/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	3/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	3/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	3/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	3/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	3/26/04	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-29	12/30/03	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-33	12/30/03	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-30	12/30/03	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-27	12/30/03	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-29	10/1/03	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-33	10/1/03	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-30	10/1/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW33	10/1/03	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-32	10/1/03	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,2-Trichloroethane	PZ-27	10/1/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	9/24/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	9/24/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	9/24/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	9/24/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	9/24/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	9/24/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	9/24/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	9/24/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW33	7/25/03	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-30	7/25/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	3/20/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	3/20/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	3/20/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	3/20/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	3/20/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	3/20/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	3/20/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	3/20/03	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	9/24/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	9/24/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	9/24/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	9/24/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	9/24/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	9/24/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	9/24/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	9/24/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	3/12/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	3/12/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	3/12/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	3/12/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	3/12/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	3/12/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	3/12/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	3/12/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	1/9/02	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	9/25/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	9/25/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	9/25/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	9/25/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	9/25/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	9/25/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	9/25/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	9/25/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	6/1/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	3/14/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	3/14/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	3/14/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	3/14/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	3/14/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	3/14/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	3/14/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	3/14/01	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	12/6/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	9/26/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	9/26/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	9/26/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02C	9/26/00	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,2-Trichloroethane	MW13	9/26/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	9/26/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	9/26/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	9/26/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW30	3/21/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	3/21/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	3/21/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	3/21/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	3/21/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	3/21/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	3/21/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	3/21/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	3/21/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW29A	3/20/00	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-26	3/16/00	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	9/21/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	9/21/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	9/21/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	9/21/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	9/21/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	9/21/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	9/21/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	9/21/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW13	3/17/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	3/17/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW15	3/16/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW21	3/16/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW12	3/16/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW20	3/16/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	3/15/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW11	3/15/99	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-26	2/25/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW06	2/25/99	5	5	ND	ug/L
1,1,2-Trichloroethane	PZ-25	2/25/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW03	2/25/99	5	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	10/15/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	10/15/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW11	10/15/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW12	10/15/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW13	10/15/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW15	10/15/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW20	10/15/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW21	10/15/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	3/12/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	3/12/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW11	3/12/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW12	3/12/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW13	3/12/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW15	3/12/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW20	3/12/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW21	3/12/98	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	12/19/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	12/19/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW11	12/19/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW12	12/19/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW13	12/19/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW15	12/19/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW20	12/19/97	0.2	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,2-Trichloroethane	MW21	12/19/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	9/11/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW11	9/11/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW21	9/11/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	9/10/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW12	9/10/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW13	9/10/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW15	9/10/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW20	9/10/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	6/27/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	6/27/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW11	6/27/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW12	6/27/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW13	6/27/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW15	6/27/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW20	6/27/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW21	6/27/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	3/12/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	3/12/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW11	3/12/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW12	3/12/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW13	3/12/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW15	3/12/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW20	3/12/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW21	3/12/97	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	12/4/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	12/4/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW11	12/4/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW12	12/4/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW13	12/4/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW15	12/4/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW20	12/4/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW21	12/4/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	9/11/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	9/11/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW11	9/11/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW12	9/11/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW13	9/11/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW15	9/11/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW20	9/11/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW21	9/11/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW02B	7/2/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	7/2/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW11	7/2/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW12	7/2/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW13	7/2/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW15	7/2/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW20	7/2/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW21	7/2/96	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW01A	7/22/94	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW02A	7/22/94	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW03	7/22/94	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05	7/22/94	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW06	7/22/94	0.2	5	ND	ug/L
1,1,2-Trichloroethane	MW05A	5/12/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW15	4/26/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW01A	4/25/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW02A	4/25/94	1	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1,2-Trichloroethane	MW03	4/25/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW05	4/25/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW06	4/25/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW01A	1/31/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW02A	1/31/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW03	1/31/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW05	1/31/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW06	1/31/94	1	5	ND	ug/L
1,1,2-Trichloroethane	MW01A	10/18/93	1	5	ND	ug/L
1,1,2-Trichloroethane	MW02A	10/18/93	1	5	ND	ug/L
1,1,2-Trichloroethane	MW03	10/18/93	1	5	ND	ug/L
1,1,2-Trichloroethane	MW05	10/18/93	1	5	ND	ug/L
1,1,2-Trichloroethane	MW06	10/18/93	1	5	ND	ug/L
1,1,2-Trichloroethane	MW03	7/27/93	1	5	ND	ug/L
1,1,2-Trichloroethane	MW06	7/27/93	1	5	ND	ug/L
1,1,2-Trichloroethane	MW01A	7/26/93	1	5	ND	ug/L
1,1,2-Trichloroethane	MW02A	7/26/93	1	5	ND	ug/L
1,1,2-Trichloroethane	MW05	7/26/93	1	5	ND	ug/L
1,1,2-Trichloroethane	MW02A	5/21/92	1	5	ND	ug/L
1,1,2-Trichloroethane	MW01A	11/7/91	1	5	ND	ug/L
1,1,2-Trichloroethane	MW02A	11/7/91	1	5	ND	ug/L
1,1,2-Trichloroethane	MW03	11/7/91	1	5	ND	ug/L
1,1,2-Trichloroethane	MW05	11/7/91	1	5	ND	ug/L
1,1,2-Trichloroethane	MW06	11/7/91	1	5	ND	ug/L
1,1-Dichloroethane	PZ-32	7/28/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-02C	7/20/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-05A	7/20/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-11	7/20/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-12	7/20/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-13	7/20/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-15	7/20/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-20	7/20/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-21	7/20/06	5	5	ND	ug/L
1,1-Dichloroethane	PZ-33	7/20/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-10	5/12/06	5	5	ND	ug/L
1,1-Dichloroethane	PZ-32	5/12/06	5	5	ND	ug/L
1,1-Dichloroethane	DUP-01	4/19/06	1	1	ND	ug/L
1,1-Dichloroethane	FB-01	4/19/06	1	1	ND	ug/L
1,1-Dichloroethane	MW-29A	4/19/06	1	1	ND	ug/L
1,1-Dichloroethane	MW-32	4/19/06	1	1	ND	ug/L
1,1-Dichloroethane	PZ-26	4/19/06	1	1	ND	ug/L
1,1-Dichloroethane	PZ-32	1/24/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-02C	1/19/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-05A	1/19/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-11	1/19/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-12	1/19/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-13	1/19/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-15	1/19/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-20	1/19/06	5	5	ND	ug/L
1,1-Dichloroethane	MW-21	1/19/06	5	5	ND	ug/L
1,1-Dichloroethane	PZ-33	1/19/06	5	5	ND	ug/L
1,1-Dichloroethane	FB-01	11/17/05	5	5	ND	ug/L
1,1-Dichloroethane	PZ-30	11/17/05	5	5	ND	ug/L
1,1-Dichloroethane	PZ-33	11/17/05	5	5	ND	ug/L
1,1-Dichloroethane	TRIP BLANK	11/17/05	5	5	ND	ug/L
1,1-Dichloroethane	DUP-01	11/3/05	1	1	ND	ug/L
1,1-Dichloroethane	FB-01	11/3/05	1	1	ND	ug/L
1,1-Dichloroethane	MW-29A	11/3/05	1	1	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1-Dichloroethane	MW-32	11/3/05	1	1	ND	ug/L
1,1-Dichloroethane	PZ-26	11/3/05	1	1	ND	ug/L
1,1-Dichloroethane	TRIP BLANK	11/3/05	1	1	ND	ug/L
1,1-Dichloroethane	PZ-29	8/26/05	5	5	ND	ug/L
1,1-Dichloroethane	PZ-33	8/26/05	5	5	ND	ug/L
1,1-Dichloroethane	MW-02C	8/18/05	5	5	ND	ug/L
1,1-Dichloroethane	MW-05A	8/18/05	5	5	ND	ug/L
1,1-Dichloroethane	MW-11	8/18/05	5	5	ND	ug/L
1,1-Dichloroethane	MW-12	8/18/05	5	5	ND	ug/L
1,1-Dichloroethane	MW-13	8/18/05	5	5	ND	ug/L
1,1-Dichloroethane	MW-15	8/18/05	5	5	ND	ug/L
1,1-Dichloroethane	MW-20	8/18/05	5	5	ND	ug/L
1,1-Dichloroethane	MW-21	8/18/05	5	5	ND	ug/L
1,1-Dichloroethane	MW07	3/23/05	5	5	ND	ug/L
1,1-Dichloroethane	MW33	3/23/05	5	5	ND	ug/L
1,1-Dichloroethane	PZ-29	3/23/05	5	5	ND	ug/L
1,1-Dichloroethane	PZ-30	3/23/05	5	5	ND	ug/L
1,1-Dichloroethane	PZ-32	3/23/05	5	5	ND	ug/L
1,1-Dichloroethane	PZ-33	3/23/05	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	3/17/05	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	3/17/05	5	5	ND	ug/L
1,1-Dichloroethane	MW11	3/17/05	5	5	ND	ug/L
1,1-Dichloroethane	MW12	3/17/05	5	5	ND	ug/L
1,1-Dichloroethane	MW13	3/17/05	5	5	ND	ug/L
1,1-Dichloroethane	MW15	3/17/05	5	5	ND	ug/L
1,1-Dichloroethane	MW20	3/17/05	5	5	ND	ug/L
1,1-Dichloroethane	MW21	3/17/05	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	9/2/04	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	9/2/04	5	5	ND	ug/L
1,1-Dichloroethane	MW11	9/2/04	5	5	ND	ug/L
1,1-Dichloroethane	MW12	9/2/04	5	5	ND	ug/L
1,1-Dichloroethane	MW13	9/2/04	5	5	ND	ug/L
1,1-Dichloroethane	MW15	9/2/04	5	5	ND	ug/L
1,1-Dichloroethane	MW20	9/2/04	5	5	ND	ug/L
1,1-Dichloroethane	MW21	9/2/04	5	5	ND	ug/L
1,1-Dichloroethane	MW32	5/26/04	1	1	ND	ug/L
1,1-Dichloroethane	MW29A	5/26/04	1	1	ND	ug/L
1,1-Dichloroethane	PZ-31	5/26/04	1	1	ND	ug/L
1,1-Dichloroethane	PZ-26	5/26/04	1	1	ND	ug/L
1,1-Dichloroethane	PZ-29	5/26/04	5	5	ND	ug/L
1,1-Dichloroethane	PZ-33	5/26/04	5	5	ND	ug/L
1,1-Dichloroethane	MW33	5/26/04	5	5	ND	ug/L
1,1-Dichloroethane	PZ-30	5/26/04	5	5	ND	ug/L
1,1-Dichloroethane	MW1X	5/26/04	1	1	ND	ug/L
1,1-Dichloroethane	PZ-28	4/2/04	5	5	ND	ug/L
1,1-Dichloroethane	PZ-29	4/2/04	5	5	ND	ug/L
1,1-Dichloroethane	PZ-32	4/2/04	5	5	ND	ug/L
1,1-Dichloroethane	PZ-33	4/2/04	5	5	ND	ug/L
1,1-Dichloroethane	MW33	4/2/04	5	5	ND	ug/L
1,1-Dichloroethane	PZ-30	4/2/04	5	5	ND	ug/L
1,1-Dichloroethane	MW11	3/26/04	5	5	ND	ug/L
1,1-Dichloroethane	MW21	3/26/04	5	5	ND	ug/L
1,1-Dichloroethane	MW13	3/26/04	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	3/26/04	5	5	ND	ug/L
1,1-Dichloroethane	MW15	3/26/04	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	3/26/04	5	5	ND	ug/L
1,1-Dichloroethane	MW12	3/26/04	5	5	ND	ug/L
1,1-Dichloroethane	MW20	3/26/04	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1-Dichloroethane	PZ-29	12/30/03	5	5	ND	ug/L
1,1-Dichloroethane	PZ-33	12/30/03	5	5	ND	ug/L
1,1-Dichloroethane	PZ-30	12/30/03	5	5	ND	ug/L
1,1-Dichloroethane	PZ-27	12/30/03	5	5	ND	ug/L
1,1-Dichloroethane	PZ-26	10/22/03	1	1	ND	ug/L
1,1-Dichloroethane	MW29A	10/22/03	1	1	ND	ug/L
1,1-Dichloroethane	MW32	10/22/03	1	1	ND	ug/L
1,1-Dichloroethane	PZ-29	10/1/03	5	5	ND	ug/L
1,1-Dichloroethane	PZ-33	10/1/03	5	5	ND	ug/L
1,1-Dichloroethane	PZ-30	10/1/03	5	5	ND	ug/L
1,1-Dichloroethane	MW33	10/1/03	5	5	ND	ug/L
1,1-Dichloroethane	PZ-32	10/1/03	5	5	ND	ug/L
1,1-Dichloroethane	PZ-27	10/1/03	5	5	ND	ug/L
1,1-Dichloroethane	MW11	9/24/03	5	5	ND	ug/L
1,1-Dichloroethane	MW21	9/24/03	5	5	ND	ug/L
1,1-Dichloroethane	MW13	9/24/03	5	5	ND	ug/L
1,1-Dichloroethane	MW15	9/24/03	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	9/24/03	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	9/24/03	5	5	ND	ug/L
1,1-Dichloroethane	MW12	9/24/03	5	5	ND	ug/L
1,1-Dichloroethane	MW20	9/24/03	5	5	ND	ug/L
1,1-Dichloroethane	MW33	7/25/03	5	5	ND	ug/L
1,1-Dichloroethane	PZ-30	7/25/03	5	5	ND	ug/L
1,1-Dichloroethane	MW32	5/15/03	1	1	ND	ug/L
1,1-Dichloroethane	MW29A	5/15/03	1	1	ND	ug/L
1,1-Dichloroethane	PZ-26	5/15/03	1	1	ND	ug/L
1,1-Dichloroethane	MW02C	3/20/03	5	5	ND	ug/L
1,1-Dichloroethane	MW12	3/20/03	5	5	ND	ug/L
1,1-Dichloroethane	MW11	3/20/03	5	5	ND	ug/L
1,1-Dichloroethane	MW15	3/20/03	5	5	ND	ug/L
1,1-Dichloroethane	MW13	3/20/03	5	5	ND	ug/L
1,1-Dichloroethane	MW20	3/20/03	5	5	ND	ug/L
1,1-Dichloroethane	MW21	3/20/03	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	3/20/03	5	5	ND	ug/L
1,1-Dichloroethane	PZ-26	11/1/02	1	1	ND	ug/L
1,1-Dichloroethane	MW29A	11/1/02	1	1	ND	ug/L
1,1-Dichloroethane	MW32	11/1/02	1	1	ND	ug/L
1,1-Dichloroethane	MW11	9/24/02	5	5	ND	ug/L
1,1-Dichloroethane	MW21	9/24/02	5	5	ND	ug/L
1,1-Dichloroethane	MW13	9/24/02	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	9/24/02	5	5	ND	ug/L
1,1-Dichloroethane	MW15	9/24/02	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	9/24/02	5	5	ND	ug/L
1,1-Dichloroethane	MW12	9/24/02	5	5	ND	ug/L
1,1-Dichloroethane	MW20	9/24/02	5	5	ND	ug/L
1,1-Dichloroethane	MW11	3/12/02	5	5	ND	ug/L
1,1-Dichloroethane	MW21	3/12/02	5	5	ND	ug/L
1,1-Dichloroethane	MW13	3/12/02	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	3/12/02	5	5	ND	ug/L
1,1-Dichloroethane	MW15	3/12/02	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	3/12/02	5	5	ND	ug/L
1,1-Dichloroethane	MW12	3/12/02	5	5	ND	ug/L
1,1-Dichloroethane	MW20	3/12/02	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	1/9/02	5	5	ND	ug/L
1,1-Dichloroethane	PZ-26	10/31/01	1	1	ND	ug/L
1,1-Dichloroethane	MW29A	10/31/01	1	1	ND	ug/L
1,1-Dichloroethane	MW11	9/25/01	5	5	ND	ug/L
1,1-Dichloroethane	MW21	9/25/01	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1-Dichloroethane	MW13	9/25/01	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	9/25/01	5	5	ND	ug/L
1,1-Dichloroethane	MW15	9/25/01	5	5	ND	ug/L
1,1-Dichloroethane	MW20	9/25/01	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	9/25/01	5	5	ND	ug/L
1,1-Dichloroethane	MW12	9/25/01	5	5	ND	ug/L
1,1-Dichloroethane	PZ-26	6/29/01	1	1	ND	ug/L
1,1-Dichloroethane	MW29A	6/29/01	1	1	ND	ug/L
1,1-Dichloroethane	MW02C	6/1/01	5	5	ND	ug/L
1,1-Dichloroethane	MW11	3/14/01	5	5	ND	ug/L
1,1-Dichloroethane	MW21	3/14/01	5	5	ND	ug/L
1,1-Dichloroethane	MW13	3/14/01	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	3/14/01	5	5	ND	ug/L
1,1-Dichloroethane	MW15	3/14/01	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	3/14/01	5	5	ND	ug/L
1,1-Dichloroethane	MW20	3/14/01	5	5	ND	ug/L
1,1-Dichloroethane	MW12	3/14/01	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	12/6/00	5	5	ND	ug/L
1,1-Dichloroethane	MW11	9/26/00	5	5	ND	ug/L
1,1-Dichloroethane	MW12	9/26/00	5	5	ND	ug/L
1,1-Dichloroethane	MW20	9/26/00	5	5	ND	ug/L
1,1-Dichloroethane	MW02C	9/26/00	5	5	ND	ug/L
1,1-Dichloroethane	MW13	9/26/00	5	5	ND	ug/L
1,1-Dichloroethane	MW15	9/26/00	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	9/26/00	5	5	ND	ug/L
1,1-Dichloroethane	MW21	9/26/00	5	5	ND	ug/L
1,1-Dichloroethane	MW30	3/21/00	0.24	5	J	ug/L
1,1-Dichloroethane	MW11	3/21/00	5	5	ND	ug/L
1,1-Dichloroethane	MW21	3/21/00	5	5	ND	ug/L
1,1-Dichloroethane	MW13	3/21/00	5	5	ND	ug/L
1,1-Dichloroethane	MW02B	3/21/00	5	5	ND	ug/L
1,1-Dichloroethane	MW20	3/21/00	5	5	ND	ug/L
1,1-Dichloroethane	MW15	3/21/00	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	3/21/00	5	5	ND	ug/L
1,1-Dichloroethane	MW12	3/21/00	5	5	ND	ug/L
1,1-Dichloroethane	MW29A	3/20/00	5	5	ND	ug/L
1,1-Dichloroethane	PZ-26	3/16/00	5	5	ND	ug/L
1,1-Dichloroethane	MW13	9/21/99	5	5	ND	ug/L
1,1-Dichloroethane	MW15	9/21/99	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	9/21/99	5	5	ND	ug/L
1,1-Dichloroethane	MW21	9/21/99	5	5	ND	ug/L
1,1-Dichloroethane	MW11	9/21/99	5	5	ND	ug/L
1,1-Dichloroethane	MW12	9/21/99	5	5	ND	ug/L
1,1-Dichloroethane	MW20	9/21/99	5	5	ND	ug/L
1,1-Dichloroethane	MW02B	9/21/99	5	5	ND	ug/L
1,1-Dichloroethane	MW13	3/17/99	5	5	ND	ug/L
1,1-Dichloroethane	MW05A	3/17/99	5	5	ND	ug/L
1,1-Dichloroethane	MW15	3/16/99	5	5	ND	ug/L
1,1-Dichloroethane	MW21	3/16/99	5	5	ND	ug/L
1,1-Dichloroethane	MW12	3/16/99	5	5	ND	ug/L
1,1-Dichloroethane	MW20	3/16/99	5	5	ND	ug/L
1,1-Dichloroethane	MW02B	3/15/99	5	5	ND	ug/L
1,1-Dichloroethane	MW11	3/15/99	5	5	ND	ug/L
1,1-Dichloroethane	PZ-26	2/25/99	5	5	ND	ug/L
1,1-Dichloroethane	MW06	2/25/99	5	5	ND	ug/L
1,1-Dichloroethane	PZ-25	2/25/99	5	5	ND	ug/L
1,1-Dichloroethane	MW03	2/25/99	5	5	ND	ug/L
1,1-Dichloroethane	MW02B	10/15/98	0.2	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1-Dichloroethane	MW05A	10/15/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW11	10/15/98	2	5	J	ug/L
1,1-Dichloroethane	MW12	10/15/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW13	10/15/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW15	10/15/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW20	10/15/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW21	10/15/98	0.2	5	J	ug/L
1,1-Dichloroethane	MW02B	3/12/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW05A	3/12/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW11	3/12/98	1	5	J	ug/L
1,1-Dichloroethane	MW12	3/12/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW13	3/12/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW15	3/12/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW20	3/12/98	0.2	5	ND	ug/L
1,1-Dichloroethane	MW21	3/12/98	1	5	J	ug/L
1,1-Dichloroethane	MW02B	12/19/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW05A	12/19/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW11	12/19/97	0.3	5	J	ug/L
1,1-Dichloroethane	MW12	12/19/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW13	12/19/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW15	12/19/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW20	12/19/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW21	12/19/97	0.6	5	J	ug/L
1,1-Dichloroethane	MW05A	9/11/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW11	9/11/97	0.4	5	J	ug/L
1,1-Dichloroethane	MW21	9/11/97	0.5	5	J	ug/L
1,1-Dichloroethane	MW02B	9/10/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW12	9/10/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW13	9/10/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW15	9/10/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW20	9/10/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW02B	6/27/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW05A	6/27/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW11	6/27/97	1	5	J	ug/L
1,1-Dichloroethane	MW12	6/27/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW13	6/27/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW15	6/27/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW20	6/27/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW21	6/27/97	2	5	J	ug/L
1,1-Dichloroethane	MW02B	3/12/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW05A	3/12/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW11	3/12/97	0.7	5	J	ug/L
1,1-Dichloroethane	MW12	3/12/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW13	3/12/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW15	3/12/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW20	3/12/97	0.2	5	ND	ug/L
1,1-Dichloroethane	MW21	3/12/97	0.6	5	J	ug/L
1,1-Dichloroethane	MW02B	12/4/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW05A	12/4/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW11	12/4/96	1	5	J	ug/L
1,1-Dichloroethane	MW12	12/4/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW13	12/4/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW15	12/4/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW20	12/4/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW21	12/4/96	0.2	5	J	ug/L
1,1-Dichloroethane	MW02B	9/11/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW05A	9/11/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW11	9/11/96	2	5	J	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1-Dichloroethane	MW12	9/11/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW13	9/11/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW15	9/11/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW20	9/11/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW21	9/11/96	0.3	5	J	ug/L
1,1-Dichloroethane	MW02B	7/2/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW05A	7/2/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW11	7/2/96	0.7	5	J	ug/L
1,1-Dichloroethane	MW12	7/2/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW13	7/2/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW15	7/2/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW20	7/2/96	0.2	5	ND	ug/L
1,1-Dichloroethane	MW21	7/2/96	0.3	5	J	ug/L
1,1-Dichloroethane	MW01A	7/22/94	0.2	5	ND	ug/L
1,1-Dichloroethane	MW02A	7/22/94	0.2	5	ND	ug/L
1,1-Dichloroethane	MW03	7/22/94	0.2	5	ND	ug/L
1,1-Dichloroethane	MW05	7/22/94	10	5		ug/L
1,1-Dichloroethane	MW06	7/22/94	0.2	5	ND	ug/L
1,1-Dichloroethane	MW05A	5/12/94	0.5	5	ND	ug/L
1,1-Dichloroethane	MW15	4/26/94	0.5	5	ND	ug/L
1,1-Dichloroethane	MW01A	4/25/94	0.5	5	ND	ug/L
1,1-Dichloroethane	MW02A	4/25/94	0.5	5	ND	ug/L
1,1-Dichloroethane	MW03	4/25/94	0.5	5	ND	ug/L
1,1-Dichloroethane	MW05	4/25/94	18	5		ug/L
1,1-Dichloroethane	MW06	4/25/94	0.5	5	ND	ug/L
1,1-Dichloroethane	MW01A	1/31/94	0.5	5	ND	ug/L
1,1-Dichloroethane	MW02A	1/31/94	0.5	5	ND	ug/L
1,1-Dichloroethane	MW03	1/31/94	0.5	5	ND	ug/L
1,1-Dichloroethane	MW05	1/31/94	26	5		ug/L
1,1-Dichloroethane	MW06	1/31/94	0.5	5	ND	ug/L
1,1-Dichloroethane	MW01A	10/18/93	0.5	5	ND	ug/L
1,1-Dichloroethane	MW02A	10/18/93	0.5	5	ND	ug/L
1,1-Dichloroethane	MW03	10/18/93	0.5	5	ND	ug/L
1,1-Dichloroethane	MW05	10/18/93	42	5		ug/L
1,1-Dichloroethane	MW06	10/18/93	0.5	5	ND	ug/L
1,1-Dichloroethane	MW03	7/27/93	0.5	5	J	ug/L
1,1-Dichloroethane	MW06	7/27/93	0.5	5	ND	ug/L
1,1-Dichloroethane	MW01A	7/26/93	0.5	5	ND	ug/L
1,1-Dichloroethane	MW02A	7/26/93	0.5	5	ND	ug/L
1,1-Dichloroethane	MW05	7/26/93	21	5		ug/L
1,1-Dichloroethane	MW02A	5/21/92	3	5	ND	ug/L
1,1-Dichloroethane	MW01A	11/7/91	0.5	5	ND	ug/L
1,1-Dichloroethane	MW02A	11/7/91	0.5	5	ND	ug/L
1,1-Dichloroethane	MW03	11/7/91	0.5	5	J	ug/L
1,1-Dichloroethane	MW05	11/7/91	1	5	J	ug/L
1,1-Dichloroethane	MW06	11/7/91	0.5	5	ND	ug/L
1,1-Dichloroethene	PZ-32	7/28/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-02C	7/20/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-05A	7/20/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-11	7/20/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-12	7/20/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-13	7/20/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-15	7/20/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-20	7/20/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-21	7/20/06	5	5	ND	ug/L
1,1-Dichloroethene	PZ-33	7/20/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-10	5/12/06	5	5	ND	ug/L
1,1-Dichloroethene	PZ-32	5/12/06	5	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1-Dichloroethene	PZ-26	4/19/06	0.28	0.28	ND	ug/L
1,1-Dichloroethene	PZ-32	1/24/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-02C	1/19/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-05A	1/19/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-11	1/19/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-12	1/19/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-13	1/19/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-15	1/19/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-20	1/19/06	5	5	ND	ug/L
1,1-Dichloroethene	MW-21	1/19/06	5	5	ND	ug/L
1,1-Dichloroethene	PZ-33	1/19/06	5	5	ND	ug/L
1,1-Dichloroethene	FB-01	11/17/05	5	5	ND	ug/L
1,1-Dichloroethene	PZ-30	11/17/05	5	5	ND	ug/L
1,1-Dichloroethene	PZ-33	11/17/05	5	5	ND	ug/L
1,1-Dichloroethene	TRIP BLANK	11/17/05	5	5	ND	ug/L
1,1-Dichloroethene	PZ-29	8/26/05	5	5	ND	ug/L
1,1-Dichloroethene	PZ-33	8/26/05	5	5	ND	ug/L
1,1-Dichloroethene	MW-02C	8/18/05	5	5	ND	ug/L
1,1-Dichloroethene	MW-05A	8/18/05	5	5	ND	ug/L
1,1-Dichloroethene	MW-11	8/18/05	5	5	ND	ug/L
1,1-Dichloroethene	MW-12	8/18/05	5	5	ND	ug/L
1,1-Dichloroethene	MW-13	8/18/05	5	5	ND	ug/L
1,1-Dichloroethene	MW-15	8/18/05	5	5	ND	ug/L
1,1-Dichloroethene	MW-20	8/18/05	5	5	ND	ug/L
1,1-Dichloroethene	MW-21	8/18/05	5	5	ND	ug/L
1,1-Dichloroethene	MW07	3/23/05	5	5	ND	ug/L
1,1-Dichloroethene	MW33	3/23/05	5	5	ND	ug/L
1,1-Dichloroethene	PZ-29	3/23/05	5	5	ND	ug/L
1,1-Dichloroethene	PZ-30	3/23/05	5	5	ND	ug/L
1,1-Dichloroethene	PZ-32	3/23/05	5	5	ND	ug/L
1,1-Dichloroethene	PZ-33	3/23/05	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	3/17/05	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	3/17/05	5	5	ND	ug/L
1,1-Dichloroethene	MW11	3/17/05	5	5	ND	ug/L
1,1-Dichloroethene	MW12	3/17/05	5	5	ND	ug/L
1,1-Dichloroethene	MW13	3/17/05	5	5	ND	ug/L
1,1-Dichloroethene	MW15	3/17/05	5	5	ND	ug/L
1,1-Dichloroethene	MW20	3/17/05	5	5	ND	ug/L
1,1-Dichloroethene	MW21	3/17/05	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	9/2/04	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	9/2/04	5	5	ND	ug/L
1,1-Dichloroethene	MW11	9/2/04	5	5	ND	ug/L
1,1-Dichloroethene	MW12	9/2/04	5	5	ND	ug/L
1,1-Dichloroethene	MW13	9/2/04	5	5	ND	ug/L
1,1-Dichloroethene	MW15	9/2/04	5	5	ND	ug/L
1,1-Dichloroethene	MW20	9/2/04	5	5	ND	ug/L
1,1-Dichloroethene	MW21	9/2/04	5	5	ND	ug/L
1,1-Dichloroethene	PZ-29	5/26/04	5	5	ND	ug/L
1,1-Dichloroethene	PZ-33	5/26/04	5	5	ND	ug/L
1,1-Dichloroethene	MW33	5/26/04	5	5	ND	ug/L
1,1-Dichloroethene	PZ-30	5/26/04	5	5	ND	ug/L
1,1-Dichloroethene	PZ-28	4/2/04	5	5	ND	ug/L
1,1-Dichloroethene	PZ-29	4/2/04	5	5	ND	ug/L
1,1-Dichloroethene	PZ-32	4/2/04	5	5	ND	ug/L
1,1-Dichloroethene	PZ-33	4/2/04	5	5	ND	ug/L
1,1-Dichloroethene	MW33	4/2/04	5	5	ND	ug/L
1,1-Dichloroethene	PZ-30	4/2/04	5	5	ND	ug/L
1,1-Dichloroethene	MW11	3/26/04	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1-Dichloroethene	MW21	3/26/04	5	5	ND	ug/L
1,1-Dichloroethene	MW13	3/26/04	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	3/26/04	5	5	ND	ug/L
1,1-Dichloroethene	MW15	3/26/04	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	3/26/04	5	5	ND	ug/L
1,1-Dichloroethene	MW12	3/26/04	5	5	ND	ug/L
1,1-Dichloroethene	MW20	3/26/04	5	5	ND	ug/L
1,1-Dichloroethene	PZ-29	12/30/03	5	5	ND	ug/L
1,1-Dichloroethene	PZ-33	12/30/03	5	5	ND	ug/L
1,1-Dichloroethene	PZ-30	12/30/03	5	5	ND	ug/L
1,1-Dichloroethene	PZ-27	12/30/03	5	5	ND	ug/L
1,1-Dichloroethene	PZ-29	10/1/03	5	5	ND	ug/L
1,1-Dichloroethene	PZ-33	10/1/03	5	5	ND	ug/L
1,1-Dichloroethene	PZ-30	10/1/03	5	5	ND	ug/L
1,1-Dichloroethene	MW33	10/1/03	5	5	ND	ug/L
1,1-Dichloroethene	PZ-32	10/1/03	5	5	ND	ug/L
1,1-Dichloroethene	PZ-27	10/1/03	5	5	ND	ug/L
1,1-Dichloroethene	MW11	9/24/03	5	5	ND	ug/L
1,1-Dichloroethene	MW21	9/24/03	5	5	ND	ug/L
1,1-Dichloroethene	MW13	9/24/03	5	5	ND	ug/L
1,1-Dichloroethene	MW15	9/24/03	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	9/24/03	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	9/24/03	5	5	ND	ug/L
1,1-Dichloroethene	MW12	9/24/03	5	5	ND	ug/L
1,1-Dichloroethene	MW20	9/24/03	5	5	ND	ug/L
1,1-Dichloroethene	MW33	7/25/03	5	5	ND	ug/L
1,1-Dichloroethene	PZ-30	7/25/03	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	3/20/03	5	5	ND	ug/L
1,1-Dichloroethene	MW12	3/20/03	5	5	ND	ug/L
1,1-Dichloroethene	MW11	3/20/03	5	5	ND	ug/L
1,1-Dichloroethene	MW15	3/20/03	5	5	ND	ug/L
1,1-Dichloroethene	MW13	3/20/03	5	5	ND	ug/L
1,1-Dichloroethene	MW20	3/20/03	5	5	ND	ug/L
1,1-Dichloroethene	MW21	3/20/03	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	3/20/03	5	5	ND	ug/L
1,1-Dichloroethene	MW11	9/24/02	5	5	ND	ug/L
1,1-Dichloroethene	MW21	9/24/02	5	5	ND	ug/L
1,1-Dichloroethene	MW13	9/24/02	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	9/24/02	5	5	ND	ug/L
1,1-Dichloroethene	MW15	9/24/02	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	9/24/02	5	5	ND	ug/L
1,1-Dichloroethene	MW12	9/24/02	5	5	ND	ug/L
1,1-Dichloroethene	MW20	9/24/02	5	5	ND	ug/L
1,1-Dichloroethene	MW11	3/12/02	5	5	ND	ug/L
1,1-Dichloroethene	MW21	3/12/02	5	5	ND	ug/L
1,1-Dichloroethene	MW13	3/12/02	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	3/12/02	5	5	ND	ug/L
1,1-Dichloroethene	MW15	3/12/02	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	3/12/02	5	5	ND	ug/L
1,1-Dichloroethene	MW12	3/12/02	5	5	ND	ug/L
1,1-Dichloroethene	MW20	3/12/02	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	1/9/02	5	5	ND	ug/L
1,1-Dichloroethene	MW11	9/25/01	5	5	ND	ug/L
1,1-Dichloroethene	MW21	9/25/01	5	5	ND	ug/L
1,1-Dichloroethene	MW13	9/25/01	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	9/25/01	5	5	ND	ug/L
1,1-Dichloroethene	MW15	9/25/01	5	5	ND	ug/L
1,1-Dichloroethene	MW20	9/25/01	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1-Dichloroethene	MW05A	9/25/01	5	5	ND	ug/L
1,1-Dichloroethene	MW12	9/25/01	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	6/1/01	5	5	ND	ug/L
1,1-Dichloroethene	MW11	3/14/01	5	5	ND	ug/L
1,1-Dichloroethene	MW21	3/14/01	5	5	ND	ug/L
1,1-Dichloroethene	MW13	3/14/01	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	3/14/01	5	5	ND	ug/L
1,1-Dichloroethene	MW15	3/14/01	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	3/14/01	5	5	ND	ug/L
1,1-Dichloroethene	MW20	3/14/01	5	5	ND	ug/L
1,1-Dichloroethene	MW12	3/14/01	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	12/6/00	5	5	ND	ug/L
1,1-Dichloroethene	MW11	9/26/00	5	5	ND	ug/L
1,1-Dichloroethene	MW12	9/26/00	5	5	ND	ug/L
1,1-Dichloroethene	MW20	9/26/00	5	5	ND	ug/L
1,1-Dichloroethene	MW02C	9/26/00	5	5	ND	ug/L
1,1-Dichloroethene	MW13	9/26/00	5	5	ND	ug/L
1,1-Dichloroethene	MW15	9/26/00	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	9/26/00	5	5	ND	ug/L
1,1-Dichloroethene	MW21	9/26/00	5	5	ND	ug/L
1,1-Dichloroethene	MW30	3/21/00	5	5	ND	ug/L
1,1-Dichloroethene	MW11	3/21/00	5	5	ND	ug/L
1,1-Dichloroethene	MW21	3/21/00	5	5	ND	ug/L
1,1-Dichloroethene	MW13	3/21/00	5	5	ND	ug/L
1,1-Dichloroethene	MW02B	3/21/00	5	5	ND	ug/L
1,1-Dichloroethene	MW20	3/21/00	5	5	ND	ug/L
1,1-Dichloroethene	MW15	3/21/00	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	3/21/00	5	5	ND	ug/L
1,1-Dichloroethene	MW12	3/21/00	5	5	ND	ug/L
1,1-Dichloroethene	MW29A	3/20/00	5	5	ND	ug/L
1,1-Dichloroethene	PZ-26	3/16/00	5	5	ND	ug/L
1,1-Dichloroethene	MW13	9/21/99	5	5	ND	ug/L
1,1-Dichloroethene	MW15	9/21/99	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	9/21/99	5	5	ND	ug/L
1,1-Dichloroethene	MW21	9/21/99	5	5	ND	ug/L
1,1-Dichloroethene	MW11	9/21/99	5	5	ND	ug/L
1,1-Dichloroethene	MW12	9/21/99	5	5	ND	ug/L
1,1-Dichloroethene	MW20	9/21/99	5	5	ND	ug/L
1,1-Dichloroethene	MW02B	9/21/99	5	5	ND	ug/L
1,1-Dichloroethene	MW13	3/17/99	5	5	ND	ug/L
1,1-Dichloroethene	MW05A	3/17/99	5	5	ND	ug/L
1,1-Dichloroethene	MW15	3/16/99	5	5	ND	ug/L
1,1-Dichloroethene	MW21	3/16/99	5	5	ND	ug/L
1,1-Dichloroethene	MW12	3/16/99	5	5	ND	ug/L
1,1-Dichloroethene	MW20	3/16/99	5	5	ND	ug/L
1,1-Dichloroethene	MW02B	3/15/99	5	5	ND	ug/L
1,1-Dichloroethene	MW11	3/15/99	5	5	ND	ug/L
1,1-Dichloroethene	PZ-26	2/25/99	5	5	ND	ug/L
1,1-Dichloroethene	MW06	2/25/99	5	5	ND	ug/L
1,1-Dichloroethene	PZ-25	2/25/99	5	5	ND	ug/L
1,1-Dichloroethene	MW03	2/25/99	5	5	ND	ug/L
1,1-Dichloroethene	MW02B	10/15/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW05A	10/15/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW11	10/15/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW12	10/15/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW13	10/15/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW15	10/15/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW20	10/15/98	0.3	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1-Dichloroethene	MW21	10/15/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW02B	3/12/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW05A	3/12/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW11	3/12/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW12	3/12/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW13	3/12/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW15	3/12/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW20	3/12/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW21	3/12/98	0.3	5	ND	ug/L
1,1-Dichloroethene	MW02B	12/19/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW05A	12/19/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW11	12/19/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW12	12/19/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW13	12/19/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW15	12/19/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW20	12/19/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW21	12/19/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW05A	9/11/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW11	9/11/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW21	9/11/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW02B	9/10/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW12	9/10/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW13	9/10/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW15	9/10/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW20	9/10/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW02B	6/27/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW05A	6/27/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW11	6/27/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW12	6/27/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW13	6/27/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW15	6/27/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW20	6/27/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW21	6/27/97	0.4	5	J	ug/L
1,1-Dichloroethene	MW02B	3/12/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW05A	3/12/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW11	3/12/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW12	3/12/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW13	3/12/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW15	3/12/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW20	3/12/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW21	3/12/97	0.3	5	ND	ug/L
1,1-Dichloroethene	MW02B	12/4/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW05A	12/4/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW11	12/4/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW12	12/4/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW13	12/4/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW15	12/4/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW20	12/4/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW21	12/4/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW02B	9/11/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW05A	9/11/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW11	9/11/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW12	9/11/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW13	9/11/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW15	9/11/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW20	9/11/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW21	9/11/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW02B	7/2/96	0.3	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,1-Dichloroethene	MW05A	7/2/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW11	7/2/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW12	7/2/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW13	7/2/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW15	7/2/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW20	7/2/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW21	7/2/96	0.3	5	ND	ug/L
1,1-Dichloroethene	MW01A	7/22/94	0.3	5	ND	ug/L
1,1-Dichloroethene	MW02A	7/22/94	0.3	5	ND	ug/L
1,1-Dichloroethene	MW03	7/22/94	0.3	5	ND	ug/L
1,1-Dichloroethene	MW05	7/22/94	0.3	5	ND	ug/L
1,1-Dichloroethene	MW06	7/22/94	0.3	5	ND	ug/L
1,1-Dichloroethene	MW05A	5/12/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW15	4/26/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW01A	4/25/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW02A	4/25/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW03	4/25/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW05	4/25/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW06	4/25/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW01A	1/31/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW02A	1/31/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW03	1/31/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW05	1/31/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW06	1/31/94	0.5	5	ND	ug/L
1,1-Dichloroethene	MW01A	10/18/93	0.5	5	ND	ug/L
1,1-Dichloroethene	MW02A	10/18/93	0.5	5	ND	ug/L
1,1-Dichloroethene	MW03	10/18/93	0.5	5	ND	ug/L
1,1-Dichloroethene	MW05	10/18/93	0.7	5	J	ug/L
1,1-Dichloroethene	MW06	10/18/93	0.5	5	ND	ug/L
1,1-Dichloroethene	MW03	7/27/93	0.5	5	ND	ug/L
1,1-Dichloroethene	MW06	7/27/93	0.5	5	ND	ug/L
1,1-Dichloroethene	MW01A	7/26/93	0.5	5	ND	ug/L
1,1-Dichloroethene	MW02A	7/26/93	0.5	5	ND	ug/L
1,1-Dichloroethene	MW05	7/26/93	0.5	5	ND	ug/L
1,1-Dichloroethene	MW02A	5/21/92	2	5	ND	ug/L
1,1-Dichloroethene	MW01A	11/7/91	0.5	5	ND	ug/L
1,1-Dichloroethene	MW02A	11/7/91	0.5	5	ND	ug/L
1,1-Dichloroethene	MW03	11/7/91	0.5	5	ND	ug/L
1,1-Dichloroethene	MW05	11/7/91	0.5	5	ND	ug/L
1,1-Dichloroethene	MW06	11/7/91	0.5	5	ND	ug/L
1,2,3-Trichloropropane	PZ-32	7/28/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-02C	7/20/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-05A	7/20/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-11	7/20/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-12	7/20/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-13	7/20/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-15	7/20/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-20	7/20/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-21	7/20/06	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-33	7/20/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-10	5/12/06	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-32	5/12/06	10	10	ND	ug/L
1,2,3-Trichloropropane	DUP-01	4/19/06	1	1	ND	ug/L
1,2,3-Trichloropropane	FB-01	4/19/06	1	1	ND	ug/L
1,2,3-Trichloropropane	MW-29A	4/19/06	1	1	ND	ug/L
1,2,3-Trichloropropane	MW-32	4/19/06	1	1	ND	ug/L
1,2,3-Trichloropropane	PZ-26	4/19/06	1	1	ND	ug/L
1,2,3-Trichloropropane	PZ-32	1/24/06	10	10	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2,3-Trichloropropane	MW-02C	1/19/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-05A	1/19/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-11	1/19/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-12	1/19/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-13	1/19/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-15	1/19/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-20	1/19/06	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-21	1/19/06	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-33	1/19/06	10	10	ND	ug/L
1,2,3-Trichloropropane	FB-01	11/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-30	11/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-33	11/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	TRIP BLANK	11/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	DUP-01	11/3/05	1	1	ND	ug/L
1,2,3-Trichloropropane	FB-01	11/3/05	1	1	ND	ug/L
1,2,3-Trichloropropane	MW-29A	11/3/05	1	1	ND	ug/L
1,2,3-Trichloropropane	MW-32	11/3/05	1	1	ND	ug/L
1,2,3-Trichloropropane	PZ-26	11/3/05	1	1	ND	ug/L
1,2,3-Trichloropropane	TRIP BLANK	11/3/05	1	1	ND	ug/L
1,2,3-Trichloropropane	PZ-29	8/26/05	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-33	8/26/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-02C	8/18/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-05A	8/18/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-11	8/18/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-12	8/18/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-13	8/18/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-15	8/18/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-20	8/18/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW-21	8/18/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW07	3/23/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW33	3/23/05	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-29	3/23/05	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-30	3/23/05	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-32	3/23/05	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-33	3/23/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	3/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	3/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW11	3/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	3/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	3/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	3/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	3/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	3/17/05	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	9/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	9/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW11	9/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	9/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	9/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	9/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	9/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	9/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW32	5/26/04	1	1	ND	ug/L
1,2,3-Trichloropropane	MW29A	5/26/04	1	1	ND	ug/L
1,2,3-Trichloropropane	PZ-31	5/26/04	1	1	ND	ug/L
1,2,3-Trichloropropane	PZ-26	5/26/04	1	1	ND	ug/L
1,2,3-Trichloropropane	PZ-29	5/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-33	5/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW33	5/26/04	10	10	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2,3-Trichloropropane	PZ-30	5/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW1X	5/26/04	1	1	ND	ug/L
1,2,3-Trichloropropane	PZ-28	4/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-29	4/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-32	4/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-33	4/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW33	4/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-30	4/2/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW11	3/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	3/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	3/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	3/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	3/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	3/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	3/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	3/26/04	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-29	12/30/03	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-33	12/30/03	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-30	12/30/03	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-27	12/30/03	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-26	10/22/03	1	1	ND	ug/L
1,2,3-Trichloropropane	MW29A	10/22/03	1	1	ND	ug/L
1,2,3-Trichloropropane	MW32	10/22/03	1	1	ND	ug/L
1,2,3-Trichloropropane	PZ-29	10/1/03	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-33	10/1/03	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-30	10/1/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW33	10/1/03	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-32	10/1/03	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-27	10/1/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW11	9/24/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	9/24/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	9/24/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	9/24/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	9/24/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	9/24/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	9/24/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	9/24/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW33	7/25/03	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-30	7/25/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW32	5/15/03	1	1	ND	ug/L
1,2,3-Trichloropropane	MW29A	5/15/03	1	1	ND	ug/L
1,2,3-Trichloropropane	PZ-26	5/15/03	1	1	ND	ug/L
1,2,3-Trichloropropane	MW02C	3/20/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	3/20/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW11	3/20/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	3/20/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	3/20/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	3/20/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	3/20/03	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	3/20/03	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-26	11/1/02	1	1	ND	ug/L
1,2,3-Trichloropropane	MW29A	11/1/02	1	1	ND	ug/L
1,2,3-Trichloropropane	MW32	11/1/02	1	1	ND	ug/L
1,2,3-Trichloropropane	MW11	9/24/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	9/24/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	9/24/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	9/24/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	9/24/02	10	10	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2,3-Trichloropropane	MW05A	9/24/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	9/24/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	9/24/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW11	3/12/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	3/12/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	3/12/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	3/12/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	3/12/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	3/12/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	3/12/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	3/12/02	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	1/9/02	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-26	10/31/01	1	1	ND	ug/L
1,2,3-Trichloropropane	MW29A	10/31/01	1	1	ND	ug/L
1,2,3-Trichloropropane	MW11	9/25/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	9/25/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	9/25/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	9/25/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	9/25/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	9/25/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	9/25/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	9/25/01	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-26	6/29/01	1	1	ND	ug/L
1,2,3-Trichloropropane	MW29A	6/29/01	1	1	ND	ug/L
1,2,3-Trichloropropane	MW02C	6/1/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW11	3/14/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	3/14/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	3/14/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	3/14/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	3/14/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	3/14/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	3/14/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	3/14/01	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	12/6/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW11	9/26/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	9/26/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	9/26/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02C	9/26/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	9/26/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	9/26/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	9/26/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	9/26/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW30	3/21/00	5	5	ND	ug/L
1,2,3-Trichloropropane	MW11	3/21/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	3/21/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	3/21/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	3/21/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	3/21/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	3/21/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	3/21/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	3/21/00	10	10	ND	ug/L
1,2,3-Trichloropropane	MW29A	3/20/00	5	5	ND	ug/L
1,2,3-Trichloropropane	PZ-26	3/16/00	5	5	ND	ug/L
1,2,3-Trichloropropane	MW13	9/21/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	9/21/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	9/21/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	9/21/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW11	9/21/99	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2,3-Trichloropropane	MW12	9/21/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	9/21/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	9/21/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW13	3/17/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	3/17/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW15	3/16/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW21	3/16/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW12	3/16/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW20	3/16/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	3/15/99	10	10	ND	ug/L
1,2,3-Trichloropropane	MW11	3/15/99	10	10	ND	ug/L
1,2,3-Trichloropropane	PZ-26	2/25/99	5	5	ND	ug/L
1,2,3-Trichloropropane	MW06	2/25/99	5	5	ND	ug/L
1,2,3-Trichloropropane	PZ-25	2/25/99	5	5	ND	ug/L
1,2,3-Trichloropropane	MW03	2/25/99	5	5	ND	ug/L
1,2,3-Trichloropropane	MW02B	10/15/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	10/15/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW11	10/15/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW12	10/15/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW13	10/15/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW15	10/15/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW20	10/15/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW21	10/15/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	3/12/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	3/12/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW11	3/12/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW12	3/12/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW13	3/12/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW15	3/12/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW20	3/12/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW21	3/12/98	0.4	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	12/19/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	12/19/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW11	12/19/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW12	12/19/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW13	12/19/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW15	12/19/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW20	12/19/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW21	12/19/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	9/11/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW11	9/11/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW21	9/11/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	9/10/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW12	9/10/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW13	9/10/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW15	9/10/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW20	9/10/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	6/27/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	6/27/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW11	6/27/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW12	6/27/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW13	6/27/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW15	6/27/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW20	6/27/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW21	6/27/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	3/12/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	3/12/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW11	3/12/97	0.6	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2,3-Trichloropropane	MW12	3/12/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW13	3/12/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW15	3/12/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW20	3/12/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW21	3/12/97	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	12/4/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	12/4/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW11	12/4/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW12	12/4/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW13	12/4/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW15	12/4/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW20	12/4/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW21	12/4/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	9/11/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	9/11/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW11	9/11/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW12	9/11/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW13	9/11/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW15	9/11/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW20	9/11/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW21	9/11/96	0.6	10	ND	ug/L
1,2,3-Trichloropropane	MW02B	7/2/96	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	7/2/96	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW11	7/2/96	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW12	7/2/96	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW13	7/2/96	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW15	7/2/96	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW20	7/2/96	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW21	7/2/96	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW01A	7/22/94	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW02A	7/22/94	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW03	7/22/94	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW05	7/22/94	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW06	7/22/94	0.9	10	ND	ug/L
1,2,3-Trichloropropane	MW05A	5/12/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW15	4/26/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW01A	4/25/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW02A	4/25/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW03	4/25/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW05	4/25/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW06	4/25/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW01A	1/31/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW02A	1/31/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW03	1/31/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW05	1/31/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW06	1/31/94	2	10	ND	ug/L
1,2,3-Trichloropropane	MW01A	10/18/93	2	10	ND	ug/L
1,2,3-Trichloropropane	MW02A	10/18/93	2	10	ND	ug/L
1,2,3-Trichloropropane	MW03	10/18/93	2	10	ND	ug/L
1,2,3-Trichloropropane	MW05	10/18/93	2	10	ND	ug/L
1,2,3-Trichloropropane	MW06	10/18/93	2	10	ND	ug/L
1,2,3-Trichloropropane	MW03	7/27/93	2	10	ND	ug/L
1,2,3-Trichloropropane	MW06	7/27/93	2	10	ND	ug/L
1,2,3-Trichloropropane	MW01A	7/26/93	2	10	ND	ug/L
1,2,3-Trichloropropane	MW02A	7/26/93	2	10	ND	ug/L
1,2,3-Trichloropropane	MW05	7/26/93	2	10	ND	ug/L
1,2,4,5-Tetrachlorobenzene	MW30	3/21/00	10	10	ND	ug/L
1,2,4,5-Tetrachlorobenzene	MW29A	3/20/00	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2,4,5-Tetrachlorobenzene	PZ-26	3/16/00	10	10	ND	ug/L
1,2,4-Trichlorobenzene	DUP-01	4/19/06	10	10	ND	ug/L
1,2,4-Trichlorobenzene	FB-01	4/19/06	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW-29A	4/19/06	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW-32	4/19/06	10	10	ND	ug/L
1,2,4-Trichlorobenzene	PZ-26	4/19/06	10	10	ND	ug/L
1,2,4-Trichlorobenzene	DUP-01	11/3/05	10	10	ND	ug/L
1,2,4-Trichlorobenzene	FB-01	11/3/05	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW-29A	11/3/05	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW-32	11/3/05	10	10	ND	ug/L
1,2,4-Trichlorobenzene	PZ-26	11/3/05	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW32	5/26/04	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW29A	5/26/04	10	10	ND	ug/L
1,2,4-Trichlorobenzene	PZ-31	5/26/04	10	10	ND	ug/L
1,2,4-Trichlorobenzene	PZ-26	5/26/04	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW1X	5/26/04	10	10	ND	ug/L
1,2,4-Trichlorobenzene	PZ-26	10/22/03	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW29A	10/22/03	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW32	10/22/03	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW32	5/15/03	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW29A	5/15/03	10	10	ND	ug/L
1,2,4-Trichlorobenzene	PZ-26	5/15/03	10	10	ND	ug/L
1,2,4-Trichlorobenzene	PZ-26	11/1/02	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW29A	11/1/02	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW32	11/1/02	10	10	ND	ug/L
1,2,4-Trichlorobenzene	PZ-26	10/31/01	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW29A	10/31/01	10	10	ND	ug/L
1,2,4-Trichlorobenzene	PZ-26	6/29/01	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW29A	6/29/01	10	10	ND	ug/L
1,2,4-Trichlorobenzene	MW30	3/21/00	5	5	ND	ug/L
1,2,4-Trichlorobenzene	MW29A	3/20/00	5	5	ND	ug/L
1,2,4-Trichlorobenzene	PZ-26	3/16/00	0.19	5	J	ug/L
1,2,4-Trichlorobenzene	MW02A	5/21/92	2	10	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	PZ-32	7/28/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-02C	7/20/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-05A	7/20/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-11	7/20/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-12	7/20/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-13	7/20/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-15	7/20/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-20	7/20/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-21	7/20/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	PZ-33	7/20/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-10	5/12/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	PZ-32	5/12/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	PZ-32	1/24/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-02C	1/19/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-05A	1/19/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-11	1/19/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-12	1/19/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-13	1/19/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-15	1/19/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-20	1/19/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-21	1/19/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	PZ-33	1/19/06	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	FB-01	11/17/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	PZ-30	11/17/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	PZ-33	11/17/05	2	2	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dibromo-3-Chloropropane (DBC	TRIP BLANK	11/17/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	PZ-29	8/26/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	PZ-33	8/26/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-02C	8/18/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-05A	8/18/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-11	8/18/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-12	8/18/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-13	8/18/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-15	8/18/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-20	8/18/05	2	2	ND	ug/L
1,2-Dibromo-3-Chloropropane (DBC	MW-21	8/18/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW07	3/23/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW33	3/23/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-29	3/23/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-30	3/23/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-32	3/23/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-33	3/23/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02C	3/17/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05A	3/17/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW11	3/17/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW12	3/17/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW13	3/17/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW15	3/17/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW20	3/17/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW21	3/17/05	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02C	9/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05A	9/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW11	9/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW12	9/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW13	9/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW15	9/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW20	9/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW21	9/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-29	5/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-33	5/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW33	5/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-30	5/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-28	4/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-29	4/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-32	4/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-33	4/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW33	4/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-30	4/2/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW11	3/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW21	3/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW13	3/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02C	3/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW15	3/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05A	3/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW12	3/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW20	3/26/04	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-29	12/30/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-33	12/30/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-30	12/30/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-27	12/30/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-29	10/1/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-33	10/1/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	PZ-30	10/1/03	2	2	ND	ug/L

Technically Complete
2502

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dibromo-3-chloropropane (DBCI	MW33	10/1/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	PZ-32	10/1/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	PZ-27	10/1/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	9/24/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	9/24/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	9/24/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	9/24/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02C	9/24/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	9/24/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	9/24/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	9/24/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW33	7/25/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	PZ-30	7/25/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02C	3/20/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	3/20/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	3/20/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	3/20/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	3/20/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	3/20/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	3/20/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	3/20/03	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	9/24/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	9/24/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	9/24/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02C	9/24/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	9/24/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	9/24/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	9/24/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	9/24/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	3/12/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	3/12/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	3/12/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02C	3/12/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	3/12/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	3/12/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	3/12/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	3/12/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02C	1/9/02	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	9/25/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	9/25/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	9/25/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02C	9/25/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	9/25/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	9/25/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	9/25/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	9/25/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02C	6/1/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	3/14/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	3/14/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	3/14/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02C	3/14/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	3/14/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	3/14/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	3/14/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	3/14/01	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02C	12/6/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	9/26/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	9/26/00	2	2	ND	ug/L

Technically Complete
2503

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dibromo-3-chloropropane (DBCI	MW20	9/26/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02C	9/26/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	9/26/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	9/26/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	9/26/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	9/26/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW30	3/21/00	0.2	0.2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	3/21/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	3/21/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	3/21/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02B	3/21/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	3/21/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	3/21/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	3/21/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	3/21/00	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW29A	3/20/00	0.2	0.2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	PZ-26	3/16/00	0.2	0.2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	9/21/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	9/21/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	9/21/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	9/21/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	9/21/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	9/21/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	9/21/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02B	9/21/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	3/17/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	3/17/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	3/16/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	3/16/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	3/16/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	3/16/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02B	3/15/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	3/15/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	PZ-26	2/25/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW06	2/25/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	PZ-25	2/25/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW03	2/25/99	2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02B	10/15/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	10/15/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	10/15/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	10/15/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	10/15/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	10/15/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	10/15/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	10/15/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02B	3/12/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	3/12/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	3/12/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	3/12/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	3/12/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW15	3/12/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW20	3/12/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW21	3/12/98	0.2	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW02B	12/19/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW05A	12/19/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW11	12/19/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW12	12/19/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCI	MW13	12/19/97	0.6	2	ND	ug/L

Technically Complete
2504

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dibromo-3-chloropropane (DBCl	MW15	12/19/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW20	12/19/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW21	12/19/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05A	9/11/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW11	9/11/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW21	9/11/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02B	9/10/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW12	9/10/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW13	9/10/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW15	9/10/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW20	9/10/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02B	6/27/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05A	6/27/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW11	6/27/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW12	6/27/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW13	6/27/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW15	6/27/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW20	6/27/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW21	6/27/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02B	3/12/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05A	3/12/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW11	3/12/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW12	3/12/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW13	3/12/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW15	3/12/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW20	3/12/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW21	3/12/97	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02B	12/4/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05A	12/4/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW11	12/4/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW12	12/4/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW13	12/4/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW15	12/4/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW20	12/4/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW21	12/4/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02B	9/11/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05A	9/11/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW11	9/11/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW12	9/11/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW13	9/11/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW15	9/11/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW20	9/11/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW21	9/11/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02B	7/2/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05A	7/2/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW11	7/2/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW12	7/2/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW13	7/2/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW15	7/2/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW20	7/2/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW21	7/2/96	0.6	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW01A	7/22/94	0.7	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02A	7/22/94	0.7	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW03	7/22/94	0.7	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05	7/22/94	0.7	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW06	7/22/94	0.7	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05A	5/12/94	1	20	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW15	4/26/94	1	2	ND	ug/L

Technically Complete
2505

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dibromo-3-chloropropane (DBCl	MW01A	4/25/94	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02A	4/25/94	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW03	4/25/94	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05	4/25/94	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW06	4/25/94	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW01A	1/31/94	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02A	1/31/94	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW03	1/31/94	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05	1/31/94	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW06	1/31/94	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW01A	10/18/93	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02A	10/18/93	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW03	10/18/93	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05	10/18/93	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW06	10/18/93	1	2	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW03	7/27/93	1	10	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW06	7/27/93	1	10	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW01A	7/26/93	1	10	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW02A	7/26/93	1	10	ND	ug/L
1,2-Dibromo-3-chloropropane (DBCl	MW05	7/26/93	1	10	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-32	7/28/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-02C	7/20/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-05A	7/20/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-11	7/20/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-12	7/20/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-13	7/20/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-15	7/20/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-20	7/20/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-21	7/20/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-33	7/20/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-10	5/12/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-32	5/12/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-32	1/24/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-02C	1/19/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-05A	1/19/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-11	1/19/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-12	1/19/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-13	1/19/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-15	1/19/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-20	1/19/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-21	1/19/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-33	1/19/06	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	FB-01	11/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-30	11/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-33	11/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	TRIP BLANK	11/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-29	8/26/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-33	8/26/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-02C	8/18/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-05A	8/18/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-11	8/18/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-12	8/18/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-13	8/18/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-15	8/18/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-20	8/18/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW-21	8/18/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW07	3/23/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW33	3/23/05	2	2	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dibromoethane (EDB)	PZ-29	3/23/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-30	3/23/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-32	3/23/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-33	3/23/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	3/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	3/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	3/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	3/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	3/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	3/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	3/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	3/17/05	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	9/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	9/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	9/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	9/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	9/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	9/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	9/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	9/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-29	5/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-33	5/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW33	5/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-30	5/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-28	4/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-29	4/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-32	4/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-33	4/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW33	4/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-30	4/2/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	3/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	3/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	3/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	3/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	3/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	3/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	3/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	3/26/04	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-29	12/30/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-33	12/30/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-30	12/30/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-27	12/30/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-29	10/1/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-33	10/1/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-30	10/1/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW33	10/1/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-32	10/1/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-27	10/1/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	9/24/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	9/24/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	9/24/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	9/24/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	9/24/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	9/24/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	9/24/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	9/24/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW33	7/25/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-30	7/25/03	2	2	ND	ug/L

Technically Complete
2507

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dibromoethane (EDB)	MW02C	3/20/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	3/20/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	3/20/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	3/20/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	3/20/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	3/20/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	3/20/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	3/20/03	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	9/24/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	9/24/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	9/24/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	9/24/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	9/24/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	9/24/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	9/24/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	9/24/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	3/12/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	3/12/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	3/12/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	3/12/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	3/12/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	3/12/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	3/12/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	3/12/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	1/9/02	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	9/25/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	9/25/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	9/25/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	9/25/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	9/25/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	9/25/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	9/25/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	9/25/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	6/1/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	3/14/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	3/14/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	3/14/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	3/14/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	3/14/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	3/14/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	3/14/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	3/14/01	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	12/6/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	9/26/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	9/26/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	9/26/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02C	9/26/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	9/26/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	9/26/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	9/26/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	9/26/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW30	3/21/00	0.05	0.05	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	3/21/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	3/21/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	3/21/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	3/21/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	3/21/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	3/21/00	2	2	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dibromoethane (EDB)	MW05A	3/21/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	3/21/00	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW29A	3/20/00	0.05	0.05	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-26	3/16/00	0.05	0.05	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	9/21/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	9/21/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	9/21/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	9/21/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	9/21/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	9/21/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	9/21/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	9/21/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	3/17/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	3/17/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	3/16/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	3/16/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	3/16/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	3/16/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	3/15/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	3/15/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-26	2/25/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW06	2/25/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	PZ-25	2/25/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW03	2/25/99	2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	10/15/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	10/15/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	10/15/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	10/15/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	10/15/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	10/15/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	10/15/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	10/15/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	3/12/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	3/12/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	3/12/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	3/12/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	3/12/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	3/12/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	3/12/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	3/12/98	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	12/19/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	12/19/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	12/19/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	12/19/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	12/19/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	12/19/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	12/19/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	12/19/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	9/11/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	9/11/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	9/11/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	9/10/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	9/10/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	9/10/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	9/10/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	9/10/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	6/27/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	6/27/97	0.2	2	ND	ug/L

Technically Complete
2509

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dibromoethane (EDB)	MW11	6/27/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	6/27/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	6/27/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	6/27/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	6/27/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	6/27/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	3/12/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	3/12/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	3/12/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	3/12/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	3/12/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	3/12/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	3/12/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	3/12/97	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	12/4/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	12/4/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	12/4/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	12/4/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	12/4/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	12/4/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	12/4/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	12/4/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	9/11/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	9/11/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	9/11/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	9/11/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	9/11/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	9/11/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	9/11/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	9/11/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02B	7/2/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	7/2/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW11	7/2/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW12	7/2/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW13	7/2/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	7/2/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW20	7/2/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW21	7/2/96	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW01A	7/22/94	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02A	7/22/94	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW03	7/22/94	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05	7/22/94	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW06	7/22/94	0.2	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05A	5/12/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW15	4/26/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW01A	4/25/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02A	4/25/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW03	4/25/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05	4/25/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW06	4/25/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW01A	1/31/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02A	1/31/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW03	1/31/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW05	1/31/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW06	1/31/94	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW01A	10/18/93	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW02A	10/18/93	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW03	10/18/93	0.1	2	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dibromoethane (EDB)	MW05	10/18/93	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW06	10/18/93	0.1	2	ND	ug/L
1,2-Dibromoethane (EDB)	MW03	7/27/93	0.1	10	ND	ug/L
1,2-Dibromoethane (EDB)	MW06	7/27/93	0.1	10	ND	ug/L
1,2-Dibromoethane (EDB)	MW01A	7/26/93	0.1	10	ND	ug/L
1,2-Dibromoethane (EDB)	MW02A	7/26/93	0.1	10	ND	ug/L
1,2-Dibromoethane (EDB)	MW05	7/26/93	0.1	10	ND	ug/L
1,2-Dichlorobenzene	PZ-32	7/28/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-02C	7/20/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-05A	7/20/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-11	7/20/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-12	7/20/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-13	7/20/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-15	7/20/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-20	7/20/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-21	7/20/06	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-33	7/20/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-10	5/12/06	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-32	5/12/06	10	10	ND	ug/L
1,2-Dichlorobenzene	DUP-01	4/19/06	1	1	ND	ug/L
1,2-Dichlorobenzene	FB-01	4/19/06	1	1	ND	ug/L
1,2-Dichlorobenzene	MW-29A	4/19/06	1	1	ND	ug/L
1,2-Dichlorobenzene	MW-32	4/19/06	1	1	ND	ug/L
1,2-Dichlorobenzene	PZ-26	4/19/06	1	1	ND	ug/L
1,2-Dichlorobenzene	PZ-32	1/24/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-02C	1/19/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-05A	1/19/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-11	1/19/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-12	1/19/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-13	1/19/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-15	1/19/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-20	1/19/06	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-21	1/19/06	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-33	1/19/06	10	10	ND	ug/L
1,2-Dichlorobenzene	FB-01	11/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-30	11/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-33	11/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	TRIP BLANK	11/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	DUP-01	11/3/05	1	1	ND	ug/L
1,2-Dichlorobenzene	FB-01	11/3/05	1	1	ND	ug/L
1,2-Dichlorobenzene	MW-29A	11/3/05	1	1	ND	ug/L
1,2-Dichlorobenzene	MW-32	11/3/05	1	1	ND	ug/L
1,2-Dichlorobenzene	PZ-26	11/3/05	1	1	ND	ug/L
1,2-Dichlorobenzene	TRIP BLANK	11/3/05	1	1	ND	ug/L
1,2-Dichlorobenzene	PZ-29	8/26/05	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-33	8/26/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-02C	8/18/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-05A	8/18/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-11	8/18/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-12	8/18/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-13	8/18/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-15	8/18/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-20	8/18/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW-21	8/18/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW07	3/23/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW33	3/23/05	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-29	3/23/05	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-30	3/23/05	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichlorobenzene	PZ-32	3/23/05	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-33	3/23/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02C	3/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	3/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW11	3/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	3/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	3/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	3/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	3/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	3/17/05	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02C	9/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	9/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW11	9/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	9/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	9/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	9/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	9/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	9/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW32	5/26/04	1	1	ND	ug/L
1,2-Dichlorobenzene	MW29A	5/26/04	1	1	ND	ug/L
1,2-Dichlorobenzene	PZ-31	5/26/04	1	1	ND	ug/L
1,2-Dichlorobenzene	PZ-26	5/26/04	1	1	ND	ug/L
1,2-Dichlorobenzene	PZ-29	5/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-33	5/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW33	5/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-30	5/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW1X	5/26/04	1	1	ND	ug/L
1,2-Dichlorobenzene	PZ-28	4/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-29	4/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-32	4/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-33	4/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW33	4/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-30	4/2/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW11	3/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	3/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	3/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02C	3/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	3/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	3/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	3/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	3/26/04	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-29	12/30/03	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-33	12/30/03	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-30	12/30/03	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-27	12/30/03	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-26	10/22/03	1	1	ND	ug/L
1,2-Dichlorobenzene	MW29A	10/22/03	1	1	ND	ug/L
1,2-Dichlorobenzene	MW32	10/22/03	1	1	ND	ug/L
1,2-Dichlorobenzene	PZ-29	10/1/03	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-33	10/1/03	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-30	10/1/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW33	10/1/03	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-32	10/1/03	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-27	10/1/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW11	9/24/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	9/24/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	9/24/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	9/24/03	10	10	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichlorobenzene	MW02C	9/24/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	9/24/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	9/24/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	9/24/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW33	7/25/03	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-30	7/25/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW32	5/15/03	1	1	ND	ug/L
1,2-Dichlorobenzene	MW29A	5/15/03	1	1	ND	ug/L
1,2-Dichlorobenzene	PZ-26	5/15/03	1	1	ND	ug/L
1,2-Dichlorobenzene	MW02C	3/20/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	3/20/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW11	3/20/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	3/20/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	3/20/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	3/20/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	3/20/03	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	3/20/03	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-26	11/1/02	1	1	ND	ug/L
1,2-Dichlorobenzene	MW29A	11/1/02	1	1	ND	ug/L
1,2-Dichlorobenzene	MW32	11/1/02	1	1	ND	ug/L
1,2-Dichlorobenzene	MW11	9/24/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	9/24/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	9/24/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02C	9/24/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	9/24/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	9/24/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	9/24/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	9/24/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW11	3/12/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	3/12/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	3/12/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02C	3/12/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	3/12/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	3/12/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	3/12/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	3/12/02	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02C	1/9/02	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-26	10/31/01	1	1	ND	ug/L
1,2-Dichlorobenzene	MW29A	10/31/01	1	1	ND	ug/L
1,2-Dichlorobenzene	MW11	9/25/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	9/25/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	9/25/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02C	9/25/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	9/25/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	9/25/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	9/25/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	9/25/01	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-26	6/29/01	1	1	ND	ug/L
1,2-Dichlorobenzene	MW29A	6/29/01	1	1	ND	ug/L
1,2-Dichlorobenzene	MW02C	6/1/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW11	3/14/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	3/14/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	3/14/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02C	3/14/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	3/14/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	3/14/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	3/14/01	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	3/14/01	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichlorobenzene	MW02C	12/6/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW11	9/26/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	9/26/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	9/26/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02C	9/26/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	9/26/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	9/26/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	9/26/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	9/26/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW30	3/21/00	5	5	ND	ug/L
1,2-Dichlorobenzene	MW11	3/21/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	3/21/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	3/21/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	3/21/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	3/21/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	3/21/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	3/21/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	3/21/00	10	10	ND	ug/L
1,2-Dichlorobenzene	MW29A	3/20/00	5	5	ND	ug/L
1,2-Dichlorobenzene	PZ-26	3/16/00	5	5	ND	ug/L
1,2-Dichlorobenzene	MW13	9/21/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	9/21/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	9/21/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	9/21/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW11	9/21/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	9/21/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	9/21/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	9/21/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW13	3/17/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	3/17/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW15	3/16/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW21	3/16/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW12	3/16/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW20	3/16/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	3/15/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW11	3/15/99	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-26	2/25/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW06	2/25/99	10	10	ND	ug/L
1,2-Dichlorobenzene	PZ-25	2/25/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW03	2/25/99	10	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	10/15/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	10/15/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW11	10/15/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW12	10/15/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW13	10/15/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW15	10/15/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW20	10/15/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW21	10/15/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	3/12/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	3/12/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW11	3/12/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW12	3/12/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW13	3/12/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW15	3/12/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW20	3/12/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW21	3/12/98	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	12/19/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	12/19/97	0.2	10	ND	ug/L

Technically Complete
2514

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichlorobenzene	MW11	12/19/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW12	12/19/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW13	12/19/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW15	12/19/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW20	12/19/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW21	12/19/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	9/11/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW11	9/11/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW21	9/11/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	9/10/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW12	9/10/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW13	9/10/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW15	9/10/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW20	9/10/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	6/27/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	6/27/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW11	6/27/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW12	6/27/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW13	6/27/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW15	6/27/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW20	6/27/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW21	6/27/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	3/12/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	3/12/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW11	3/12/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW12	3/12/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW13	3/12/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW15	3/12/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW20	3/12/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW21	3/12/97	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	12/4/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	12/4/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW11	12/4/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW12	12/4/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW13	12/4/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW15	12/4/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW20	12/4/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW21	12/4/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	9/11/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	9/11/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW11	9/11/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW12	9/11/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW13	9/11/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW15	9/11/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW20	9/11/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW21	9/11/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW02B	7/2/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	7/2/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW11	7/2/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW12	7/2/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW13	7/2/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW15	7/2/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW20	7/2/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW21	7/2/96	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW01A	7/22/94	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW02A	7/22/94	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW03	7/22/94	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05	7/22/94	0.2	10	ND	ug/L

Technically Complete
2515

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichlorobenzene	MW06	7/22/94	0.2	10	ND	ug/L
1,2-Dichlorobenzene	MW05A	5/12/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW15	4/26/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW01A	4/25/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW02A	4/25/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW03	4/25/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW05	4/25/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW06	4/25/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW01A	1/31/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW02A	1/31/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW03	1/31/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW05	1/31/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW06	1/31/94	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW01A	10/18/93	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW02A	10/18/93	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW03	10/18/93	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW05	10/18/93	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW06	10/18/93	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW03	7/27/93	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW06	7/27/93	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW01A	7/26/93	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW02A	7/26/93	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW05	7/26/93	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW02A	5/21/92	1	10	ND	ug/L
1,2-Dichlorobenzene	MW02A	5/21/92	1	10	ND	ug/L
1,2-Dichlorobenzene	MW01A	11/7/91	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW02A	11/7/91	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW03	11/7/91	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW05	11/7/91	0.5	10	ND	ug/L
1,2-Dichlorobenzene	MW06	11/7/91	0.5	10	ND	ug/L
1,2-Dichloroethane	PZ-32	7/28/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-02C	7/20/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-05A	7/20/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-11	7/20/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-12	7/20/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-13	7/20/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-15	7/20/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-20	7/20/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-21	7/20/06	5	5	ND	ug/L
1,2-Dichloroethane	PZ-33	7/20/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-10	5/12/06	5	5	ND	ug/L
1,2-Dichloroethane	PZ-32	5/12/06	5	5	ND	ug/L
1,2-Dichloroethane	PZ-32	1/24/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-02C	1/19/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-05A	1/19/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-11	1/19/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-12	1/19/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-13	1/19/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-15	1/19/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-20	1/19/06	5	5	ND	ug/L
1,2-Dichloroethane	MW-21	1/19/06	5	5	ND	ug/L
1,2-Dichloroethane	PZ-33	1/19/06	5	5	ND	ug/L
1,2-Dichloroethane	FB-01	11/17/05	5	5	ND	ug/L
1,2-Dichloroethane	PZ-30	11/17/05	5	5	ND	ug/L
1,2-Dichloroethane	PZ-33	11/17/05	5	5	ND	ug/L
1,2-Dichloroethane	TRIP BLANK	11/17/05	5	5	ND	ug/L
1,2-Dichloroethane	PZ-29	8/26/05	5	5	ND	ug/L
1,2-Dichloroethane	PZ-33	8/26/05	5	5	ND	ug/L

Technically Complete
2516

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichloroethane	MW-02C	8/18/05	5	5	ND	ug/L
1,2-Dichloroethane	MW-05A	8/18/05	5	5	ND	ug/L
1,2-Dichloroethane	MW-11	8/18/05	5	5	ND	ug/L
1,2-Dichloroethane	MW-12	8/18/05	5	5	ND	ug/L
1,2-Dichloroethane	MW-13	8/18/05	5	5	ND	ug/L
1,2-Dichloroethane	MW-15	8/18/05	5	5	ND	ug/L
1,2-Dichloroethane	MW-20	8/18/05	5	5	ND	ug/L
1,2-Dichloroethane	MW-21	8/18/05	5	5	ND	ug/L
1,2-Dichloroethane	MW07	3/23/05	5	5	ND	ug/L
1,2-Dichloroethane	MW33	3/23/05	5	5	ND	ug/L
1,2-Dichloroethane	PZ-29	3/23/05	5	5	ND	ug/L
1,2-Dichloroethane	PZ-30	3/23/05	5	5	ND	ug/L
1,2-Dichloroethane	PZ-32	3/23/05	5	5	ND	ug/L
1,2-Dichloroethane	PZ-33	3/23/05	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	3/17/05	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	3/17/05	5	5	ND	ug/L
1,2-Dichloroethane	MW11	3/17/05	5	5	ND	ug/L
1,2-Dichloroethane	MW12	3/17/05	5	5	ND	ug/L
1,2-Dichloroethane	MW13	3/17/05	5	5	ND	ug/L
1,2-Dichloroethane	MW15	3/17/05	5	5	ND	ug/L
1,2-Dichloroethane	MW20	3/17/05	5	5	ND	ug/L
1,2-Dichloroethane	MW21	3/17/05	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	9/2/04	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	9/2/04	5	5	ND	ug/L
1,2-Dichloroethane	MW11	9/2/04	5	5	ND	ug/L
1,2-Dichloroethane	MW12	9/2/04	5	5	ND	ug/L
1,2-Dichloroethane	MW13	9/2/04	5	5	ND	ug/L
1,2-Dichloroethane	MW15	9/2/04	5	5	ND	ug/L
1,2-Dichloroethane	MW20	9/2/04	5	5	ND	ug/L
1,2-Dichloroethane	MW21	9/2/04	5	5	ND	ug/L
1,2-Dichloroethane	PZ-29	5/26/04	5	5	ND	ug/L
1,2-Dichloroethane	PZ-33	5/26/04	5	5	ND	ug/L
1,2-Dichloroethane	MW33	5/26/04	5	5	ND	ug/L
1,2-Dichloroethane	PZ-30	5/26/04	5	5	ND	ug/L
1,2-Dichloroethane	PZ-28	4/2/04	5	5	ND	ug/L
1,2-Dichloroethane	PZ-29	4/2/04	5	5	ND	ug/L
1,2-Dichloroethane	PZ-32	4/2/04	5	5	ND	ug/L
1,2-Dichloroethane	PZ-33	4/2/04	5	5	ND	ug/L
1,2-Dichloroethane	MW33	4/2/04	5	5	ND	ug/L
1,2-Dichloroethane	PZ-30	4/2/04	5	5	ND	ug/L
1,2-Dichloroethane	MW11	3/26/04	5	5	ND	ug/L
1,2-Dichloroethane	MW21	3/26/04	5	5	ND	ug/L
1,2-Dichloroethane	MW13	3/26/04	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	3/26/04	5	5	ND	ug/L
1,2-Dichloroethane	MW15	3/26/04	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	3/26/04	5	5	ND	ug/L
1,2-Dichloroethane	MW12	3/26/04	5	5	ND	ug/L
1,2-Dichloroethane	MW20	3/26/04	5	5	ND	ug/L
1,2-Dichloroethane	PZ-29	12/30/03	5	5	ND	ug/L
1,2-Dichloroethane	PZ-33	12/30/03	5	5	ND	ug/L
1,2-Dichloroethane	PZ-30	12/30/03	5	5	ND	ug/L
1,2-Dichloroethane	PZ-27	12/30/03	5	5	ND	ug/L
1,2-Dichloroethane	PZ-29	10/1/03	5	5	ND	ug/L
1,2-Dichloroethane	PZ-33	10/1/03	5	5	ND	ug/L
1,2-Dichloroethane	PZ-30	10/1/03	5	5	ND	ug/L
1,2-Dichloroethane	MW33	10/1/03	5	5	ND	ug/L
1,2-Dichloroethane	PZ-32	10/1/03	5	5	ND	ug/L
1,2-Dichloroethane	PZ-27	10/1/03	5	5	ND	ug/L

Technically Complete
2517

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichloroethane	MW11	9/24/03	5	5	ND	ug/L
1,2-Dichloroethane	MW21	9/24/03	5	5	ND	ug/L
1,2-Dichloroethane	MW13	9/24/03	5	5	ND	ug/L
1,2-Dichloroethane	MW15	9/24/03	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	9/24/03	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	9/24/03	5	5	ND	ug/L
1,2-Dichloroethane	MW12	9/24/03	5	5	ND	ug/L
1,2-Dichloroethane	MW20	9/24/03	5	5	ND	ug/L
1,2-Dichloroethane	MW33	7/25/03	5	5	ND	ug/L
1,2-Dichloroethane	PZ-30	7/25/03	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	3/20/03	5	5	ND	ug/L
1,2-Dichloroethane	MW12	3/20/03	5	5	ND	ug/L
1,2-Dichloroethane	MW11	3/20/03	5	5	ND	ug/L
1,2-Dichloroethane	MW15	3/20/03	5	5	ND	ug/L
1,2-Dichloroethane	MW13	3/20/03	5	5	ND	ug/L
1,2-Dichloroethane	MW20	3/20/03	5	5	ND	ug/L
1,2-Dichloroethane	MW21	3/20/03	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	3/20/03	5	5	ND	ug/L
1,2-Dichloroethane	MW11	9/24/02	5	5	ND	ug/L
1,2-Dichloroethane	MW21	9/24/02	5	5	ND	ug/L
1,2-Dichloroethane	MW13	9/24/02	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	9/24/02	5	5	ND	ug/L
1,2-Dichloroethane	MW15	9/24/02	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	9/24/02	5	5	ND	ug/L
1,2-Dichloroethane	MW12	9/24/02	5	5	ND	ug/L
1,2-Dichloroethane	MW20	9/24/02	5	5	ND	ug/L
1,2-Dichloroethane	MW11	3/12/02	5	5	ND	ug/L
1,2-Dichloroethane	MW21	3/12/02	5	5	ND	ug/L
1,2-Dichloroethane	MW13	3/12/02	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	3/12/02	5	5	ND	ug/L
1,2-Dichloroethane	MW15	3/12/02	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	3/12/02	5	5	ND	ug/L
1,2-Dichloroethane	MW12	3/12/02	5	5	ND	ug/L
1,2-Dichloroethane	MW20	3/12/02	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	1/9/02	5	5	ND	ug/L
1,2-Dichloroethane	MW11	9/25/01	5	5	ND	ug/L
1,2-Dichloroethane	MW21	9/25/01	5	5	ND	ug/L
1,2-Dichloroethane	MW13	9/25/01	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	9/25/01	5	5	ND	ug/L
1,2-Dichloroethane	MW15	9/25/01	5	5	ND	ug/L
1,2-Dichloroethane	MW20	9/25/01	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	9/25/01	5	5	ND	ug/L
1,2-Dichloroethane	MW12	9/25/01	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	6/1/01	5	5	ND	ug/L
1,2-Dichloroethane	MW11	3/14/01	5	5	ND	ug/L
1,2-Dichloroethane	MW21	3/14/01	5	5	ND	ug/L
1,2-Dichloroethane	MW13	3/14/01	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	3/14/01	5	5	ND	ug/L
1,2-Dichloroethane	MW15	3/14/01	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	3/14/01	5	5	ND	ug/L
1,2-Dichloroethane	MW20	3/14/01	5	5	ND	ug/L
1,2-Dichloroethane	MW12	3/14/01	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	12/6/00	5	5	ND	ug/L
1,2-Dichloroethane	MW11	9/26/00	5	5	ND	ug/L
1,2-Dichloroethane	MW12	9/26/00	5	5	ND	ug/L
1,2-Dichloroethane	MW20	9/26/00	5	5	ND	ug/L
1,2-Dichloroethane	MW02C	9/26/00	5	5	ND	ug/L
1,2-Dichloroethane	MW13	9/26/00	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichloroethane	MW15	9/26/00	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	9/26/00	5	5	ND	ug/L
1,2-Dichloroethane	MW21	9/26/00	5	5	ND	ug/L
1,2-Dichloroethane	MW30	3/21/00	5	5	ND	ug/L
1,2-Dichloroethane	MW11	3/21/00	5	5	ND	ug/L
1,2-Dichloroethane	MW21	3/21/00	5	5	ND	ug/L
1,2-Dichloroethane	MW13	3/21/00	5	5	ND	ug/L
1,2-Dichloroethane	MW02B	3/21/00	5	5	ND	ug/L
1,2-Dichloroethane	MW20	3/21/00	5	5	ND	ug/L
1,2-Dichloroethane	MW15	3/21/00	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	3/21/00	5	5	ND	ug/L
1,2-Dichloroethane	MW12	3/21/00	5	5	ND	ug/L
1,2-Dichloroethane	MW29A	3/20/00	5	5	ND	ug/L
1,2-Dichloroethane	PZ-26	3/16/00	5	5	ND	ug/L
1,2-Dichloroethane	MW13	9/21/99	5	5	ND	ug/L
1,2-Dichloroethane	MW15	9/21/99	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	9/21/99	5	5	ND	ug/L
1,2-Dichloroethane	MW21	9/21/99	5	5	ND	ug/L
1,2-Dichloroethane	MW11	9/21/99	5	5	ND	ug/L
1,2-Dichloroethane	MW12	9/21/99	5	5	ND	ug/L
1,2-Dichloroethane	MW20	9/21/99	5	5	ND	ug/L
1,2-Dichloroethane	MW02B	9/21/99	5	5	ND	ug/L
1,2-Dichloroethane	MW13	3/17/99	5	5	ND	ug/L
1,2-Dichloroethane	MW05A	3/17/99	5	5	ND	ug/L
1,2-Dichloroethane	MW15	3/16/99	5	5	ND	ug/L
1,2-Dichloroethane	MW21	3/16/99	5	5	ND	ug/L
1,2-Dichloroethane	MW12	3/16/99	5	5	ND	ug/L
1,2-Dichloroethane	MW20	3/16/99	5	5	ND	ug/L
1,2-Dichloroethane	MW02B	3/15/99	5	5	ND	ug/L
1,2-Dichloroethane	MW11	3/15/99	5	5	ND	ug/L
1,2-Dichloroethane	PZ-26	2/25/99	5	5	ND	ug/L
1,2-Dichloroethane	MW06	2/25/99	5	5	ND	ug/L
1,2-Dichloroethane	PZ-25	2/25/99	5	5	ND	ug/L
1,2-Dichloroethane	MW03	2/25/99	5	5	ND	ug/L
1,2-Dichloroethane	MW02B	10/15/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW05A	10/15/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW11	10/15/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW12	10/15/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW13	10/15/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW15	10/15/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW20	10/15/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW21	10/15/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW02B	3/12/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW05A	3/12/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW11	3/12/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW12	3/12/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW13	3/12/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW15	3/12/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW20	3/12/98	0.2	5	ND	ug/L
1,2-Dichloroethane	MW21	3/12/98	0.2	5	J	ug/L
1,2-Dichloroethane	MW02B	12/19/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW05A	12/19/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW11	12/19/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW12	12/19/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW13	12/19/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW15	12/19/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW20	12/19/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW21	12/19/97	0.2	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichloroethane	MW05A	9/11/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW11	9/11/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW21	9/11/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW02B	9/10/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW12	9/10/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW13	9/10/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW15	9/10/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW20	9/10/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW02B	6/27/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW05A	6/27/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW11	6/27/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW12	6/27/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW13	6/27/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW15	6/27/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW20	6/27/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW21	6/27/97	0.2	5	J	ug/L
1,2-Dichloroethane	MW02B	3/12/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW05A	3/12/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW11	3/12/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW12	3/12/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW13	3/12/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW15	3/12/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW20	3/12/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW21	3/12/97	0.2	5	ND	ug/L
1,2-Dichloroethane	MW02B	12/4/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW05A	12/4/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW11	12/4/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW12	12/4/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW13	12/4/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW15	12/4/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW20	12/4/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW21	12/4/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW02B	9/11/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW05A	9/11/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW11	9/11/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW12	9/11/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW13	9/11/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW15	9/11/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW20	9/11/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW21	9/11/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW02B	7/2/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW05A	7/2/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW11	7/2/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW12	7/2/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW13	7/2/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW15	7/2/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW20	7/2/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW21	7/2/96	0.2	5	ND	ug/L
1,2-Dichloroethane	MW01A	7/22/94	0.2	5	ND	ug/L
1,2-Dichloroethane	MW02A	7/22/94	0.2	5	ND	ug/L
1,2-Dichloroethane	MW03	7/22/94	0.2	5	ND	ug/L
1,2-Dichloroethane	MW05	7/22/94	0.2	5	ND	ug/L
1,2-Dichloroethane	MW06	7/22/94	0.2	5	ND	ug/L
1,2-Dichloroethane	MW05A	5/12/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW15	4/26/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW01A	4/25/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW02A	4/25/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW03	4/25/94	0.5	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichloroethane	MW05	4/25/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW06	4/25/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW01A	1/31/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW02A	1/31/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW03	1/31/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW05	1/31/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW06	1/31/94	0.5	5	ND	ug/L
1,2-Dichloroethane	MW01A	10/18/93	0.5	5	ND	ug/L
1,2-Dichloroethane	MW02A	10/18/93	0.5	5	ND	ug/L
1,2-Dichloroethane	MW03	10/18/93	0.5	5	ND	ug/L
1,2-Dichloroethane	MW05	10/18/93	0.5	5	ND	ug/L
1,2-Dichloroethane	MW06	10/18/93	0.5	5	ND	ug/L
1,2-Dichloroethane	MW03	7/27/93	0.5	5	ND	ug/L
1,2-Dichloroethane	MW06	7/27/93	0.5	5	ND	ug/L
1,2-Dichloroethane	MW01A	7/26/93	0.5	5	ND	ug/L
1,2-Dichloroethane	MW02A	7/26/93	0.5	5	ND	ug/L
1,2-Dichloroethane	MW05	7/26/93	0.5	5	ND	ug/L
1,2-Dichloroethane	MW02A	5/21/92	2	5	ND	ug/L
1,2-Dichloroethane	MW01A	11/7/91	0.5	5	ND	ug/L
1,2-Dichloroethane	MW02A	11/7/91	0.5	5	ND	ug/L
1,2-Dichloroethane	MW03	11/7/91	0.5	5	ND	ug/L
1,2-Dichloroethane	MW05	11/7/91	0.5	5	ND	ug/L
1,2-Dichloroethane	MW06	11/7/91	0.5	5	ND	ug/L
1,2-Dichloropropane	PZ-32	7/28/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-02C	7/20/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-05A	7/20/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-11	7/20/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-12	7/20/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-13	7/20/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-15	7/20/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-20	7/20/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-21	7/20/06	5	5	ND	ug/L
1,2-Dichloropropane	PZ-33	7/20/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-10	5/12/06	5	5	ND	ug/L
1,2-Dichloropropane	PZ-32	5/12/06	5	5	ND	ug/L
1,2-Dichloropropane	DUP-01	4/19/06	1	1	ND	ug/L
1,2-Dichloropropane	FB-01	4/19/06	1	1	ND	ug/L
1,2-Dichloropropane	MW-29A	4/19/06	1	1	ND	ug/L
1,2-Dichloropropane	MW-32	4/19/06	1	1	ND	ug/L
1,2-Dichloropropane	PZ-26	4/19/06	1	1	ND	ug/L
1,2-Dichloropropane	PZ-32	1/24/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-02C	1/19/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-05A	1/19/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-11	1/19/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-12	1/19/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-13	1/19/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-15	1/19/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-20	1/19/06	5	5	ND	ug/L
1,2-Dichloropropane	MW-21	1/19/06	5	5	ND	ug/L
1,2-Dichloropropane	PZ-33	1/19/06	5	5	ND	ug/L
1,2-Dichloropropane	FB-01	11/17/05	5	5	ND	ug/L
1,2-Dichloropropane	PZ-30	11/17/05	5	5	ND	ug/L
1,2-Dichloropropane	PZ-33	11/17/05	5	5	ND	ug/L
1,2-Dichloropropane	TRIP BLANK	11/17/05	5	5	ND	ug/L
1,2-Dichloropropane	DUP-01	11/3/05	1	1	ND	ug/L
1,2-Dichloropropane	FB-01	11/3/05	1	1	ND	ug/L
1,2-Dichloropropane	MW-29A	11/3/05	1	1	ND	ug/L
1,2-Dichloropropane	MW-32	11/3/05	1	1	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichloropropane	PZ-26	11/3/05	1	1	ND	ug/L
1,2-Dichloropropane	TRIP BLANK	11/3/05	1	1	ND	ug/L
1,2-Dichloropropane	PZ-29	8/26/05	5	5	ND	ug/L
1,2-Dichloropropane	PZ-33	8/26/05	5	5	ND	ug/L
1,2-Dichloropropane	MW-02C	8/18/05	5	5	ND	ug/L
1,2-Dichloropropane	MW-05A	8/18/05	5	5	ND	ug/L
1,2-Dichloropropane	MW-11	8/18/05	5	5	ND	ug/L
1,2-Dichloropropane	MW-12	8/18/05	5	5	ND	ug/L
1,2-Dichloropropane	MW-13	8/18/05	5	5	ND	ug/L
1,2-Dichloropropane	MW-15	8/18/05	5	5	ND	ug/L
1,2-Dichloropropane	MW-20	8/18/05	5	5	ND	ug/L
1,2-Dichloropropane	MW-21	8/18/05	5	5	ND	ug/L
1,2-Dichloropropane	MW07	3/23/05	5	5	ND	ug/L
1,2-Dichloropropane	MW33	3/23/05	5	5	ND	ug/L
1,2-Dichloropropane	PZ-29	3/23/05	5	5	ND	ug/L
1,2-Dichloropropane	PZ-30	3/23/05	5	5	ND	ug/L
1,2-Dichloropropane	PZ-32	3/23/05	5	5	ND	ug/L
1,2-Dichloropropane	PZ-33	3/23/05	5	5	ND	ug/L
1,2-Dichloropropane	MW02C	3/17/05	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	3/17/05	5	5	ND	ug/L
1,2-Dichloropropane	MW11	3/17/05	5	5	ND	ug/L
1,2-Dichloropropane	MW12	3/17/05	5	5	ND	ug/L
1,2-Dichloropropane	MW13	3/17/05	5	5	ND	ug/L
1,2-Dichloropropane	MW15	3/17/05	5	5	ND	ug/L
1,2-Dichloropropane	MW20	3/17/05	5	5	ND	ug/L
1,2-Dichloropropane	MW21	3/17/05	5	5	ND	ug/L
1,2-Dichloropropane	MW02C	9/2/04	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	9/2/04	5	5	ND	ug/L
1,2-Dichloropropane	MW11	9/2/04	5	5	ND	ug/L
1,2-Dichloropropane	MW12	9/2/04	5	5	ND	ug/L
1,2-Dichloropropane	MW13	9/2/04	5	5	ND	ug/L
1,2-Dichloropropane	MW15	9/2/04	5	5	ND	ug/L
1,2-Dichloropropane	MW20	9/2/04	5	5	ND	ug/L
1,2-Dichloropropane	MW21	9/2/04	5	5	ND	ug/L
1,2-Dichloropropane	MW32	5/26/04	1	1	ND	ug/L
1,2-Dichloropropane	MW29A	5/26/04	1	1	ND	ug/L
1,2-Dichloropropane	PZ-31	5/26/04	1	1	ND	ug/L
1,2-Dichloropropane	PZ-26	5/26/04	1	1	ND	ug/L
1,2-Dichloropropane	PZ-29	5/26/04	5	5	ND	ug/L
1,2-Dichloropropane	PZ-33	5/26/04	5	5	ND	ug/L
1,2-Dichloropropane	MW33	5/26/04	5	5	ND	ug/L
1,2-Dichloropropane	PZ-30	5/26/04	5	5	ND	ug/L
1,2-Dichloropropane	MW1X	5/26/04	1	1	ND	ug/L
1,2-Dichloropropane	PZ-28	4/2/04	5	5	ND	ug/L
1,2-Dichloropropane	PZ-29	4/2/04	5	5	ND	ug/L
1,2-Dichloropropane	PZ-32	4/2/04	5	5	ND	ug/L
1,2-Dichloropropane	PZ-33	4/2/04	5	5	ND	ug/L
1,2-Dichloropropane	MW33	4/2/04	5	5	ND	ug/L
1,2-Dichloropropane	PZ-30	4/2/04	5	5	ND	ug/L
1,2-Dichloropropane	MW11	3/26/04	5	5	ND	ug/L
1,2-Dichloropropane	MW21	3/26/04	5	5	ND	ug/L
1,2-Dichloropropane	MW13	3/26/04	5	5	ND	ug/L
1,2-Dichloropropane	MW02C	3/26/04	5	5	ND	ug/L
1,2-Dichloropropane	MW15	3/26/04	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	3/26/04	5	5	ND	ug/L
1,2-Dichloropropane	MW12	3/26/04	5	5	ND	ug/L
1,2-Dichloropropane	MW20	3/26/04	5	5	ND	ug/L
1,2-Dichloropropane	PZ-29	12/30/03	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichloropropane	PZ-33	12/30/03	5	5	ND	ug/L
1,2-Dichloropropane	PZ-30	12/30/03	5	5	ND	ug/L
1,2-Dichloropropane	PZ-27	12/30/03	5	5	ND	ug/L
1,2-Dichloropropane	PZ-26	10/22/03	1	1	ND	ug/L
1,2-Dichloropropane	MW29A	10/22/03	1	1	ND	ug/L
1,2-Dichloropropane	MW32	10/22/03	1	1	ND	ug/L
1,2-Dichloropropane	PZ-29	10/1/03	5	5	ND	ug/L
1,2-Dichloropropane	PZ-33	10/1/03	5	5	ND	ug/L
1,2-Dichloropropane	PZ-30	10/1/03	5	5	ND	ug/L
1,2-Dichloropropane	MW33	10/1/03	5	5	ND	ug/L
1,2-Dichloropropane	PZ-32	10/1/03	5	5	ND	ug/L
1,2-Dichloropropane	PZ-27	10/1/03	5	5	ND	ug/L
1,2-Dichloropropane	MW11	9/24/03	5	5	ND	ug/L
1,2-Dichloropropane	MW21	9/24/03	5	5	ND	ug/L
1,2-Dichloropropane	MW13	9/24/03	5	5	ND	ug/L
1,2-Dichloropropane	MW15	9/24/03	5	5	ND	ug/L
1,2-Dichloropropane	MW02C	9/24/03	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	9/24/03	5	5	ND	ug/L
1,2-Dichloropropane	MW12	9/24/03	5	5	ND	ug/L
1,2-Dichloropropane	MW20	9/24/03	5	5	ND	ug/L
1,2-Dichloropropane	MW33	7/25/03	5	5	ND	ug/L
1,2-Dichloropropane	PZ-30	7/25/03	5	5	ND	ug/L
1,2-Dichloropropane	MW32	5/15/03	1	1	ND	ug/L
1,2-Dichloropropane	MW29A	5/15/03	1	1	ND	ug/L
1,2-Dichloropropane	PZ-26	5/15/03	1	1	ND	ug/L
1,2-Dichloropropane	MW02C	3/20/03	5	5	ND	ug/L
1,2-Dichloropropane	MW12	3/20/03	5	5	ND	ug/L
1,2-Dichloropropane	MW11	3/20/03	5	5	ND	ug/L
1,2-Dichloropropane	MW15	3/20/03	5	5	ND	ug/L
1,2-Dichloropropane	MW13	3/20/03	5	5	ND	ug/L
1,2-Dichloropropane	MW20	3/20/03	5	5	ND	ug/L
1,2-Dichloropropane	MW21	3/20/03	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	3/20/03	5	5	ND	ug/L
1,2-Dichloropropane	PZ-26	11/1/02	1	1	ND	ug/L
1,2-Dichloropropane	MW29A	11/1/02	1	1	ND	ug/L
1,2-Dichloropropane	MW32	11/1/02	1	1	ND	ug/L
1,2-Dichloropropane	MW11	9/24/02	5	5	ND	ug/L
1,2-Dichloropropane	MW21	9/24/02	5	5	ND	ug/L
1,2-Dichloropropane	MW13	9/24/02	5	5	ND	ug/L
1,2-Dichloropropane	MW02C	9/24/02	5	5	ND	ug/L
1,2-Dichloropropane	MW15	9/24/02	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	9/24/02	5	5	ND	ug/L
1,2-Dichloropropane	MW12	9/24/02	5	5	ND	ug/L
1,2-Dichloropropane	MW20	9/24/02	5	5	ND	ug/L
1,2-Dichloropropane	MW11	3/12/02	5	5	ND	ug/L
1,2-Dichloropropane	MW21	3/12/02	5	5	ND	ug/L
1,2-Dichloropropane	MW13	3/12/02	5	5	ND	ug/L
1,2-Dichloropropane	MW02C	3/12/02	5	5	ND	ug/L
1,2-Dichloropropane	MW15	3/12/02	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	3/12/02	5	5	ND	ug/L
1,2-Dichloropropane	MW12	3/12/02	5	5	ND	ug/L
1,2-Dichloropropane	MW20	3/12/02	5	5	ND	ug/L
1,2-Dichloropropane	MW02C	1/9/02	5	5	ND	ug/L
1,2-Dichloropropane	PZ-26	10/31/01	1	1	ND	ug/L
1,2-Dichloropropane	MW29A	10/31/01	1	1	ND	ug/L
1,2-Dichloropropane	MW11	9/25/01	5	5	ND	ug/L
1,2-Dichloropropane	MW21	9/25/01	5	5	ND	ug/L
1,2-Dichloropropane	MW13	9/25/01	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichloropropane	MW02C	9/25/01	5	5	ND	ug/L
1,2-Dichloropropane	MW15	9/25/01	5	5	ND	ug/L
1,2-Dichloropropane	MW20	9/25/01	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	9/25/01	5	5	ND	ug/L
1,2-Dichloropropane	MW12	9/25/01	5	5	ND	ug/L
1,2-Dichloropropane	PZ-26	6/29/01	1	1	ND	ug/L
1,2-Dichloropropane	MW29A	6/29/01	1	1	ND	ug/L
1,2-Dichloropropane	MW02C	6/1/01	5	5	ND	ug/L
1,2-Dichloropropane	MW11	3/14/01	5	5	ND	ug/L
1,2-Dichloropropane	MW21	3/14/01	5	5	ND	ug/L
1,2-Dichloropropane	MW13	3/14/01	5	5	ND	ug/L
1,2-Dichloropropane	MW02C	3/14/01	5	5	ND	ug/L
1,2-Dichloropropane	MW15	3/14/01	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	3/14/01	5	5	ND	ug/L
1,2-Dichloropropane	MW20	3/14/01	5	5	ND	ug/L
1,2-Dichloropropane	MW12	3/14/01	5	5	ND	ug/L
1,2-Dichloropropane	MW02C	12/6/00	5	5	ND	ug/L
1,2-Dichloropropane	MW11	9/26/00	5	5	ND	ug/L
1,2-Dichloropropane	MW12	9/26/00	5	5	ND	ug/L
1,2-Dichloropropane	MW20	9/26/00	5	5	ND	ug/L
1,2-Dichloropropane	MW02C	9/26/00	5	5	ND	ug/L
1,2-Dichloropropane	MW13	9/26/00	5	5	ND	ug/L
1,2-Dichloropropane	MW15	9/26/00	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	9/26/00	5	5	ND	ug/L
1,2-Dichloropropane	MW21	9/26/00	5	5	ND	ug/L
1,2-Dichloropropane	MW30	3/21/00	5	5	ND	ug/L
1,2-Dichloropropane	MW11	3/21/00	5	5	ND	ug/L
1,2-Dichloropropane	MW21	3/21/00	5	5	ND	ug/L
1,2-Dichloropropane	MW13	3/21/00	5	5	ND	ug/L
1,2-Dichloropropane	MW02B	3/21/00	5	5	ND	ug/L
1,2-Dichloropropane	MW20	3/21/00	5	5	ND	ug/L
1,2-Dichloropropane	MW15	3/21/00	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	3/21/00	5	5	ND	ug/L
1,2-Dichloropropane	MW12	3/21/00	5	5	ND	ug/L
1,2-Dichloropropane	MW29A	3/20/00	5	5	ND	ug/L
1,2-Dichloropropane	PZ-26	3/16/00	5	5	ND	ug/L
1,2-Dichloropropane	MW13	9/21/99	5	5	ND	ug/L
1,2-Dichloropropane	MW15	9/21/99	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	9/21/99	5	5	ND	ug/L
1,2-Dichloropropane	MW21	9/21/99	5	5	ND	ug/L
1,2-Dichloropropane	MW11	9/21/99	5	5	ND	ug/L
1,2-Dichloropropane	MW12	9/21/99	5	5	ND	ug/L
1,2-Dichloropropane	MW20	9/21/99	5	5	ND	ug/L
1,2-Dichloropropane	MW02B	9/21/99	5	5	ND	ug/L
1,2-Dichloropropane	MW13	3/17/99	5	5	ND	ug/L
1,2-Dichloropropane	MW05A	3/17/99	5	5	ND	ug/L
1,2-Dichloropropane	MW15	3/16/99	5	5	ND	ug/L
1,2-Dichloropropane	MW21	3/16/99	5	5	ND	ug/L
1,2-Dichloropropane	MW12	3/16/99	5	5	ND	ug/L
1,2-Dichloropropane	MW20	3/16/99	5	5	ND	ug/L
1,2-Dichloropropane	MW02B	3/15/99	5	5	ND	ug/L
1,2-Dichloropropane	MW11	3/15/99	5	5	ND	ug/L
1,2-Dichloropropane	PZ-26	2/25/99	5	5	ND	ug/L
1,2-Dichloropropane	MW06	2/25/99	5	5	ND	ug/L
1,2-Dichloropropane	PZ-25	2/25/99	5	5	ND	ug/L
1,2-Dichloropropane	MW03	2/25/99	5	5	ND	ug/L
1,2-Dichloropropane	MW02B	10/15/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05A	10/15/98	0.2	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichloropropane	MW11	10/15/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW12	10/15/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW13	10/15/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW15	10/15/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW20	10/15/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW21	10/15/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW02B	3/12/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05A	3/12/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW11	3/12/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW12	3/12/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW13	3/12/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW15	3/12/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW20	3/12/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW21	3/12/98	0.2	5	ND	ug/L
1,2-Dichloropropane	MW02B	12/19/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05A	12/19/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW11	12/19/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW12	12/19/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW13	12/19/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW15	12/19/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW20	12/19/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW21	12/19/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05A	9/11/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW11	9/11/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW21	9/11/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW02B	9/10/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW12	9/10/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW13	9/10/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW15	9/10/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW20	9/10/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW02B	6/27/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05A	6/27/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW11	6/27/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW12	6/27/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW13	6/27/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW15	6/27/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW20	6/27/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW21	6/27/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW02B	3/12/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05A	3/12/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW11	3/12/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW12	3/12/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW13	3/12/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW15	3/12/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW20	3/12/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW21	3/12/97	0.2	5	ND	ug/L
1,2-Dichloropropane	MW02B	12/4/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05A	12/4/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW11	12/4/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW12	12/4/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW13	12/4/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW15	12/4/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW20	12/4/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW21	12/4/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW02B	9/11/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05A	9/11/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW11	9/11/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW12	9/11/96	0.2	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,2-Dichloropropane	MW13	9/11/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW15	9/11/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW20	9/11/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW21	9/11/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW02B	7/2/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05A	7/2/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW11	7/2/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW12	7/2/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW13	7/2/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW15	7/2/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW20	7/2/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW21	7/2/96	0.2	5	ND	ug/L
1,2-Dichloropropane	MW01A	7/22/94	0.2	5	ND	ug/L
1,2-Dichloropropane	MW02A	7/22/94	0.2	5	ND	ug/L
1,2-Dichloropropane	MW03	7/22/94	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05	7/22/94	0.2	5	ND	ug/L
1,2-Dichloropropane	MW06	7/22/94	0.2	5	ND	ug/L
1,2-Dichloropropane	MW05A	5/12/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW15	4/26/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW01A	4/25/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW02A	4/25/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW03	4/25/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW05	4/25/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW06	4/25/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW01A	1/31/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW02A	1/31/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW03	1/31/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW05	1/31/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW06	1/31/94	0.5	5	ND	ug/L
1,2-Dichloropropane	MW01A	10/18/93	0.5	5	ND	ug/L
1,2-Dichloropropane	MW02A	10/18/93	0.5	5	ND	ug/L
1,2-Dichloropropane	MW03	10/18/93	0.5	5	ND	ug/L
1,2-Dichloropropane	MW05	10/18/93	0.5	5	ND	ug/L
1,2-Dichloropropane	MW06	10/18/93	0.5	5	ND	ug/L
1,2-Dichloropropane	MW03	7/27/93	0.5	5	ND	ug/L
1,2-Dichloropropane	MW06	7/27/93	0.5	5	ND	ug/L
1,2-Dichloropropane	MW01A	7/26/93	0.5	5	ND	ug/L
1,2-Dichloropropane	MW02A	7/26/93	0.5	5	ND	ug/L
1,2-Dichloropropane	MW05	7/26/93	0.5	5	ND	ug/L
1,2-Dichloropropane	MW02A	5/21/92	2	5	ND	ug/L
1,2-Dichloropropane	MW01A	11/7/91	0.5	5	ND	ug/L
1,2-Dichloropropane	MW02A	11/7/91	0.5	5	ND	ug/L
1,2-Dichloropropane	MW03	11/7/91	0.5	5	ND	ug/L
1,2-Dichloropropane	MW05	11/7/91	0.5	5	ND	ug/L
1,2-Dichloropropane	MW06	11/7/91	0.5	5	ND	ug/L
1,2-Diphenylhydrazine	MW02A	5/21/92	1	10	ND	ug/L
1,3,5-Trinitrobenzene	MW30	3/21/00	50	50	ND	ug/L
1,3,5-Trinitrobenzene	MW29A	3/20/00	50	50	ND	ug/L
1,3,5-Trinitrobenzene	PZ-26	3/16/00	50	50	ND	ug/L
1,3-Dichlorobenzene	MW30	3/21/00	5	5	ND	ug/L
1,3-Dichlorobenzene	MW29A	3/20/00	5	5	ND	ug/L
1,3-Dichlorobenzene	PZ-26	3/16/00	5	5	ND	ug/L
1,3-Dichlorobenzene	MW02A	5/21/92	1	10	ND	ug/L
1,3-Dichlorobenzene	MW02A	5/21/92	2	10	ND	ug/L
1,3-Dichlorobenzene	MW01A	11/7/91	0.5	10	ND	ug/L
1,3-Dichlorobenzene	MW02A	11/7/91	0.5	10	ND	ug/L
1,3-Dichlorobenzene	MW03	11/7/91	0.5	10	ND	ug/L
1,3-Dichlorobenzene	MW05	11/7/91	0.5	10	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,3-Dichlorobenzene	MW06	11/7/91	0.5	10	ND	ug/L
1,3-Dinitrobenzene	MW30	3/21/00	10	10	ND	ug/L
1,3-Dinitrobenzene	MW29A	3/20/00	10	10	ND	ug/L
1,3-Dinitrobenzene	PZ-26	3/16/00	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-32	7/28/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-02C	7/20/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-05A	7/20/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-11	7/20/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-12	7/20/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-13	7/20/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-15	7/20/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-20	7/20/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-21	7/20/06	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-33	7/20/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-10	5/12/06	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-32	5/12/06	10	10	ND	ug/L
1,4-Dichlorobenzene	DUP-01	4/19/06	1	1	ND	ug/L
1,4-Dichlorobenzene	FB-01	4/19/06	1	1	ND	ug/L
1,4-Dichlorobenzene	MW-29A	4/19/06	1	1	ND	ug/L
1,4-Dichlorobenzene	MW-32	4/19/06	1	1	ND	ug/L
1,4-Dichlorobenzene	PZ-26	4/19/06	1	1	ND	ug/L
1,4-Dichlorobenzene	PZ-32	1/24/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-02C	1/19/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-05A	1/19/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-11	1/19/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-12	1/19/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-13	1/19/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-15	1/19/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-20	1/19/06	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-21	1/19/06	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-33	1/19/06	10	10	ND	ug/L
1,4-Dichlorobenzene	FB-01	11/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-30	11/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-33	11/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	TRIP BLANK	11/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	DUP-01	11/3/05	1	1	ND	ug/L
1,4-Dichlorobenzene	FB-01	11/3/05	1	1	ND	ug/L
1,4-Dichlorobenzene	MW-29A	11/3/05	1	1	ND	ug/L
1,4-Dichlorobenzene	MW-32	11/3/05	1	1	ND	ug/L
1,4-Dichlorobenzene	PZ-26	11/3/05	1	1	ND	ug/L
1,4-Dichlorobenzene	TRIP BLANK	11/3/05	1	1	ND	ug/L
1,4-Dichlorobenzene	PZ-29	8/26/05	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-33	8/26/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-02C	8/18/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-05A	8/18/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-11	8/18/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-12	8/18/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-13	8/18/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-15	8/18/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-20	8/18/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW-21	8/18/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW07	3/23/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW33	3/23/05	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-29	3/23/05	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-30	3/23/05	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-32	3/23/05	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-33	3/23/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	3/17/05	10	10	ND	ug/L

Technically Complete
2527

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,4-Dichlorobenzene	MW05A	3/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW11	3/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	3/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	3/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	3/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	3/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	3/17/05	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	9/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	9/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW11	9/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	9/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	9/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	9/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	9/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	9/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW32	5/26/04	1	1	ND	ug/L
1,4-Dichlorobenzene	MW29A	5/26/04	1	1	ND	ug/L
1,4-Dichlorobenzene	PZ-31	5/26/04	1	1	ND	ug/L
1,4-Dichlorobenzene	PZ-26	5/26/04	1	1	ND	ug/L
1,4-Dichlorobenzene	PZ-29	5/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-33	5/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW33	5/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-30	5/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW1X	5/26/04	1	1	ND	ug/L
1,4-Dichlorobenzene	PZ-28	4/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-29	4/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-32	4/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-33	4/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW33	4/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-30	4/2/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW11	3/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	3/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	3/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	3/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	3/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	3/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	3/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	3/26/04	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-29	12/30/03	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-33	12/30/03	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-30	12/30/03	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-27	12/30/03	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-26	10/22/03	1	1	ND	ug/L
1,4-Dichlorobenzene	MW29A	10/22/03	1	1	ND	ug/L
1,4-Dichlorobenzene	MW32	10/22/03	1	1	ND	ug/L
1,4-Dichlorobenzene	PZ-29	10/1/03	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-33	10/1/03	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-30	10/1/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW33	10/1/03	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-32	10/1/03	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-27	10/1/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW11	9/24/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	9/24/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	9/24/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	9/24/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	9/24/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	9/24/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	9/24/03	10	10	ND	ug/L

Technically Complete
2528

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,4-Dichlorobenzene	MW20	9/24/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW33	7/25/03	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-30	7/25/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW32	5/15/03	1	1	ND	ug/L
1,4-Dichlorobenzene	MW29A	5/15/03	1	1	ND	ug/L
1,4-Dichlorobenzene	PZ-26	5/15/03	1	1	ND	ug/L
1,4-Dichlorobenzene	MW02C	3/20/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	3/20/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW11	3/20/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	3/20/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	3/20/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	3/20/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	3/20/03	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	3/20/03	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-26	11/1/02	1	1	ND	ug/L
1,4-Dichlorobenzene	MW29A	11/1/02	1	1	ND	ug/L
1,4-Dichlorobenzene	MW32	11/1/02	1	1	ND	ug/L
1,4-Dichlorobenzene	MW11	9/24/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	9/24/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	9/24/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	9/24/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	9/24/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	9/24/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	9/24/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	9/24/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW11	3/12/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	3/12/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	3/12/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	3/12/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	3/12/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	3/12/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	3/12/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	3/12/02	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	1/9/02	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-26	10/31/01	1	1	ND	ug/L
1,4-Dichlorobenzene	MW29A	10/31/01	1	1	ND	ug/L
1,4-Dichlorobenzene	MW11	9/25/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	9/25/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	9/25/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	9/25/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	9/25/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	9/25/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	9/25/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	9/25/01	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-26	6/29/01	1	1	ND	ug/L
1,4-Dichlorobenzene	MW29A	6/29/01	1	1	ND	ug/L
1,4-Dichlorobenzene	MW02C	6/1/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW11	3/14/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	3/14/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	3/14/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	3/14/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	3/14/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	3/14/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	3/14/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	3/14/01	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	12/6/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW11	9/26/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	9/26/00	10	10	ND	ug/L

Technically Complete
2529

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,4-Dichlorobenzene	MW20	9/26/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02C	9/26/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	9/26/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	9/26/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	9/26/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	9/26/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW30	3/21/00	5	5	ND	ug/L
1,4-Dichlorobenzene	MW11	3/21/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	3/21/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	3/21/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	3/21/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	3/21/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	3/21/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	3/21/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	3/21/00	10	10	ND	ug/L
1,4-Dichlorobenzene	MW29A	3/20/00	5	5	ND	ug/L
1,4-Dichlorobenzene	PZ-26	3/16/00	5	5	ND	ug/L
1,4-Dichlorobenzene	MW13	9/21/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	9/21/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	9/21/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	9/21/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW11	9/21/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	9/21/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	9/21/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	9/21/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW13	3/17/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	3/17/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW15	3/16/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW21	3/16/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW12	3/16/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW20	3/16/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	3/15/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW11	3/15/99	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-26	2/25/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW06	2/25/99	10	10	ND	ug/L
1,4-Dichlorobenzene	PZ-25	2/25/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW03	2/25/99	10	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	10/15/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	10/15/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW11	10/15/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW12	10/15/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW13	10/15/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW15	10/15/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW20	10/15/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW21	10/15/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	3/12/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	3/12/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW11	3/12/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW12	3/12/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW13	3/12/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW15	3/12/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW20	3/12/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW21	3/12/98	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	12/19/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	12/19/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW11	12/19/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW12	12/19/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW13	12/19/97	0.2	10	ND	ug/L

Technically Complete
2530

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,4-Dichlorobenzene	MW15	12/19/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW20	12/19/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW21	12/19/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	9/11/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW11	9/11/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW21	9/11/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	9/10/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW12	9/10/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW13	9/10/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW15	9/10/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW20	9/10/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	6/27/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	6/27/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW11	6/27/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW12	6/27/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW13	6/27/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW15	6/27/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW20	6/27/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW21	6/27/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	3/12/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	3/12/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW11	3/12/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW12	3/12/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW13	3/12/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW15	3/12/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW20	3/12/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW21	3/12/97	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	12/4/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	12/4/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW11	12/4/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW12	12/4/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW13	12/4/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW15	12/4/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW20	12/4/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW21	12/4/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	9/11/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	9/11/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW11	9/11/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW12	9/11/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW13	9/11/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW15	9/11/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW20	9/11/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW21	9/11/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW02B	7/2/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	7/2/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW11	7/2/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW12	7/2/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW13	7/2/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW15	7/2/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW20	7/2/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW21	7/2/96	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW01A	7/22/94	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW02A	7/22/94	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW03	7/22/94	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05	7/22/94	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW06	7/22/94	0.2	10	ND	ug/L
1,4-Dichlorobenzene	MW05A	5/12/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW15	4/26/94	0.5	10	ND	ug/L

Technically Complete
2531

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,4-Dichlorobenzene	MW01A	4/25/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW02A	4/25/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW03	4/25/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW05	4/25/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW06	4/25/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW01A	1/31/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW02A	1/31/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW03	1/31/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW05	1/31/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW06	1/31/94	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW01A	10/18/93	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW02A	10/18/93	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW03	10/18/93	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW05	10/18/93	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW06	10/18/93	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW03	7/27/93	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW06	7/27/93	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW01A	7/26/93	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW02A	7/26/93	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW05	7/26/93	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW02A	5/21/92	2	10	ND	ug/L
1,4-Dichlorobenzene	MW02A	5/21/92	1	10	ND	ug/L
1,4-Dichlorobenzene	MW01A	11/7/91	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW02A	11/7/91	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW03	11/7/91	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW05	11/7/91	0.5	10	ND	ug/L
1,4-Dichlorobenzene	MW06	11/7/91	0.5	10	ND	ug/L
1,4-Dioxane	DUP-01	4/19/06	200	200	ND	ug/L
1,4-Dioxane	FB-01	4/19/06	200	200	ND	ug/L
1,4-Dioxane	MW-29A	4/19/06	200	200	ND	ug/L
1,4-Dioxane	MW-32	4/19/06	200	200	ND	ug/L
1,4-Dioxane	PZ-26	4/19/06	320	200		ug/L
1,4-Dioxane	DUP-01	11/3/05	200	200	ND	ug/L
1,4-Dioxane	FB-01	11/3/05	200	200	ND	ug/L
1,4-Dioxane	MW-29A	11/3/05	200	200	ND	ug/L
1,4-Dioxane	MW-32	11/3/05	200	200	ND	ug/L
1,4-Dioxane	PZ-26	11/3/05	200	200	ND	ug/L
1,4-Dioxane	TRIP BLANK	11/3/05	200	200	ND	ug/L
1,4-Dioxane	MW32	5/26/04	200	200	ND	ug/L
1,4-Dioxane	MW29A	5/26/04	200	200	ND	ug/L
1,4-Dioxane	PZ-31	5/26/04	670	200		ug/L
1,4-Dioxane	PZ-26	5/26/04	220	200		ug/L
1,4-Dioxane	MW1X	5/26/04	250	200		ug/L
1,4-Dioxane	PZ-26	10/22/03	210	200		ug/L
1,4-Dioxane	MW29A	10/22/03	200	200	ND	ug/L
1,4-Dioxane	MW32	10/22/03	200	200	ND	ug/L
1,4-Dioxane	PZ-26	6/26/03	220	200		ug/L
1,4-Dioxane	MW32	5/15/03	200	200	ND	ug/L
1,4-Dioxane	MW29A	5/15/03	200	200	ND	ug/L
1,4-Dioxane	PZ-26	5/15/03	210	200		ug/L
1,4-Dioxane	PZ-26	11/1/02	200	200	ND	ug/L
1,4-Dioxane	MW29A	11/1/02	200	200	ND	ug/L
1,4-Dioxane	MW32	11/1/02	200	200	ND	ug/L
1,4-Dioxane	PZ-26	10/31/01	200	200	ND	ug/L
1,4-Dioxane	MW29A	10/31/01	200	200	ND	ug/L
1,4-Dioxane	PZ-26	6/29/01	200	200	ND	ug/L
1,4-Dioxane	MW29A	6/29/01	200	200	ND	ug/L
1,4-Dioxane	MW30	3/21/00	500	500	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
1,4-Dioxane	MW29A	3/20/00	20	500	J	ug/L
1,4-Dioxane	PZ-26	3/16/00	230	500	J	ug/L
1,4-Naphthoquinone	MW30	3/21/00	10	10	ND	ug/L
1,4-Naphthoquinone	MW29A	3/20/00	10	10	ND	ug/L
1,4-Naphthoquinone	PZ-26	3/16/00	10	10	ND	ug/L
1-Naphthylamine	MW30	3/21/00	10	10	ND	ug/L
1-Naphthylamine	MW29A	3/20/00	10	10	ND	ug/L
1-Naphthylamine	PZ-26	3/16/00	10	10	ND	ug/L
2,2'-oxybis(1-Chloropropane)	MW30	3/21/00	10	10	ND	ug/L
2,2'-oxybis(1-Chloropropane)	MW29A	3/20/00	10	10	ND	ug/L
2,2'-oxybis(1-Chloropropane)	PZ-26	3/16/00	10	10	ND	ug/L
2,3,4,6-Tetrachlorophenol	MW30	3/21/00	10	10	ND	ug/L
2,3,4,6-Tetrachlorophenol	MW29A	3/20/00	10	10	ND	ug/L
2,3,4,6-Tetrachlorophenol	PZ-26	3/16/00	10	10	ND	ug/L
2,3,7,8-TCDD	MW30	3/21/00	0.51	0.51	ND	ng/L
2,3,7,8-TCDD	MW29A	3/20/00	0.72	0.72	ND	ng/L
2,3,7,8-TCDD	PZ-26	3/16/00	0.46	0.46	ND	ng/L
2,4,5-T	MW30	3/21/00	2	2	ND	ug/L
2,4,5-T	MW29A	3/20/00	2	2	ND	ug/L
2,4,5-T	PZ-26	3/16/00	2	2	ND	ug/L
2,4,5-TP (Silvex)	MW30	3/21/00	2	2	ND	ug/L
2,4,5-TP (Silvex)	MW29A	3/20/00	2	2	ND	ug/L
2,4,5-TP (Silvex)	PZ-26	3/16/00	2	2	ND	ug/L
2,4,5-Trichlorophenol	MW30	3/21/00	10	10	ND	ug/L
2,4,5-Trichlorophenol	MW29A	3/20/00	10	10	ND	ug/L
2,4,5-Trichlorophenol	PZ-26	3/16/00	10	10	ND	ug/L
2,4,6-Trichlorophenol	MW30	3/21/00	10	10	ND	ug/L
2,4,6-Trichlorophenol	MW29A	3/20/00	10	10	ND	ug/L
2,4,6-Trichlorophenol	PZ-26	3/16/00	10	10	ND	ug/L
2,4-D	MW30	3/21/00	2	2	ND	ug/L
2,4-D	MW29A	3/20/00	2	2	ND	ug/L
2,4-D	PZ-26	3/16/00	2	2	ND	ug/L
2,4-Dichlorophenol	MW30	3/21/00	10	10	ND	ug/L
2,4-Dichlorophenol	MW29A	3/20/00	10	10	ND	ug/L
2,4-Dichlorophenol	PZ-26	3/16/00	10	10	ND	ug/L
2,4-Dimethylphenol	DUP-01	4/19/06	10	10	ND	ug/L
2,4-Dimethylphenol	FB-01	4/19/06	10	10	ND	ug/L
2,4-Dimethylphenol	MW-29A	4/19/06	10	10	ND	ug/L
2,4-Dimethylphenol	MW-32	4/19/06	10	10	ND	ug/L
2,4-Dimethylphenol	PZ-26	4/19/06	10	10	ND	ug/L
2,4-Dimethylphenol	DUP-01	11/3/05	10	10	ND	ug/L
2,4-Dimethylphenol	FB-01	11/3/05	10	10	ND	ug/L
2,4-Dimethylphenol	MW-29A	11/3/05	10	10	ND	ug/L
2,4-Dimethylphenol	MW-32	11/3/05	10	10	ND	ug/L
2,4-Dimethylphenol	PZ-26	11/3/05	10	10	ND	ug/L
2,4-Dimethylphenol	MW32	5/26/04	10	10	ND	ug/L
2,4-Dimethylphenol	MW29A	5/26/04	10	10	ND	ug/L
2,4-Dimethylphenol	PZ-31	5/26/04	10	10	ND	ug/L
2,4-Dimethylphenol	PZ-26	5/26/04	10	10	ND	ug/L
2,4-Dimethylphenol	MW1X	5/26/04	10	10	ND	ug/L
2,4-Dimethylphenol	PZ-26	10/22/03	10	10	ND	ug/L
2,4-Dimethylphenol	MW29A	10/22/03	10	10	ND	ug/L
2,4-Dimethylphenol	MW32	10/22/03	10	10	ND	ug/L
2,4-Dimethylphenol	MW32	5/15/03	10	10	ND	ug/L
2,4-Dimethylphenol	MW29A	5/15/03	10	10	ND	ug/L
2,4-Dimethylphenol	PZ-26	5/15/03	10	10	ND	ug/L
2,4-Dimethylphenol	PZ-26	11/1/02	10	10	ND	ug/L
2,4-Dimethylphenol	MW29A	11/1/02	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2,4-Dimethylphenol	MW32	11/1/02	10	10	ND	ug/L
2,4-Dimethylphenol	PZ-26	10/31/01	10	10	ND	ug/L
2,4-Dimethylphenol	MW29A	10/31/01	10	10	ND	ug/L
2,4-Dimethylphenol	PZ-26	6/29/01	10	10	ND	ug/L
2,4-Dimethylphenol	MW29A	6/29/01	10	10	ND	ug/L
2,4-Dimethylphenol	MW30	3/21/00	10	10	ND	ug/L
2,4-Dimethylphenol	MW29A	3/20/00	10	10	ND	ug/L
2,4-Dimethylphenol	PZ-26	3/16/00	10	10	ND	ug/L
2,4-Dinitrophenol	MW30	3/21/00	50	50	ND	ug/L
2,4-Dinitrophenol	MW29A	3/20/00	50	50	ND	ug/L
2,4-Dinitrophenol	PZ-26	3/16/00	50	50	ND	ug/L
2,4-Dinitrotoluene	DUP-01	4/19/06	10	10	ND	ug/L
2,4-Dinitrotoluene	FB-01	4/19/06	10	10	ND	ug/L
2,4-Dinitrotoluene	MW-29A	4/19/06	10	10	ND	ug/L
2,4-Dinitrotoluene	MW-32	4/19/06	10	10	ND	ug/L
2,4-Dinitrotoluene	PZ-26	4/19/06	10	10	ND	ug/L
2,4-Dinitrotoluene	DUP-01	11/3/05	10	10	ND	ug/L
2,4-Dinitrotoluene	FB-01	11/3/05	10	10	ND	ug/L
2,4-Dinitrotoluene	MW-29A	11/3/05	10	10	ND	ug/L
2,4-Dinitrotoluene	MW-32	11/3/05	10	10	ND	ug/L
2,4-Dinitrotoluene	PZ-26	11/3/05	10	10	ND	ug/L
2,4-Dinitrotoluene	MW32	5/26/04	10	10	ND	ug/L
2,4-Dinitrotoluene	MW29A	5/26/04	10	10	ND	ug/L
2,4-Dinitrotoluene	PZ-31	5/26/04	10	10	ND	ug/L
2,4-Dinitrotoluene	PZ-26	5/26/04	10	10	ND	ug/L
2,4-Dinitrotoluene	MW1X	5/26/04	10	10	ND	ug/L
2,4-Dinitrotoluene	PZ-26	10/22/03	10	10	ND	ug/L
2,4-Dinitrotoluene	MW29A	10/22/03	10	10	ND	ug/L
2,4-Dinitrotoluene	MW32	10/22/03	10	10	ND	ug/L
2,4-Dinitrotoluene	MW32	5/15/03	10	10	ND	ug/L
2,4-Dinitrotoluene	MW29A	5/15/03	10	10	ND	ug/L
2,4-Dinitrotoluene	PZ-26	5/15/03	10	10	ND	ug/L
2,4-Dinitrotoluene	PZ-26	11/1/02	10	10	ND	ug/L
2,4-Dinitrotoluene	MW29A	11/1/02	10	10	ND	ug/L
2,4-Dinitrotoluene	MW32	11/1/02	10	10	ND	ug/L
2,4-Dinitrotoluene	PZ-26	10/31/01	10	10	ND	ug/L
2,4-Dinitrotoluene	MW29A	10/31/01	10	10	ND	ug/L
2,4-Dinitrotoluene	PZ-26	6/29/01	10	10	ND	ug/L
2,4-Dinitrotoluene	MW29A	6/29/01	10	10	ND	ug/L
2,4-Dinitrotoluene	MW30	3/21/00	10	10	ND	ug/L
2,4-Dinitrotoluene	MW29A	3/20/00	10	10	ND	ug/L
2,4-Dinitrotoluene	PZ-26	3/16/00	10	10	ND	ug/L
2,4-Dinitrotoluene	MW02A	5/21/92	1	10	ND	ug/L
2,6-Dichlorophenol	MW30	3/21/00	10	10	ND	ug/L
2,6-Dichlorophenol	MW29A	3/20/00	10	10	ND	ug/L
2,6-Dichlorophenol	PZ-26	3/16/00	10	10	ND	ug/L
2,6-Dinitrotoluene	MW30	3/21/00	10	10	ND	ug/L
2,6-Dinitrotoluene	MW29A	3/20/00	10	10	ND	ug/L
2,6-Dinitrotoluene	PZ-26	3/16/00	10	10	ND	ug/L
2,6-Dinitrotoluene	MW02A	5/21/92	1	10	ND	ug/L
2-Acetylaminofluorene	MW30	3/21/00	20	20	ND	ug/L
2-Acetylaminofluorene	MW29A	3/20/00	20	20	ND	ug/L
2-Acetylaminofluorene	PZ-26	3/16/00	20	20	ND	ug/L
2-Butanone (MEK)	MW32	5/26/04	5	5	ND	ug/L
2-Butanone (MEK)	MW29A	5/26/04	5	5	ND	ug/L
2-Butanone (MEK)	PZ-31	5/26/04	5	5	ND	ug/L
2-Butanone (MEK)	PZ-26	5/26/04	5	5	ND	ug/L
2-Butanone (MEK)	PZ-29	5/26/04	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Butanone (MEK)	PZ-33	5/26/04	10	10	ND	ug/L
2-Butanone (MEK)	MW33	5/26/04	10	10	ND	ug/L
2-Butanone (MEK)	PZ-30	5/26/04	10	10	ND	ug/L
2-Butanone (MEK)	MW1X	5/26/04	5	5	ND	ug/L
2-Butanone (MEK)	PZ-28	4/2/04	10	10	ND	ug/L
2-Butanone (MEK)	PZ-29	4/2/04	10	10	ND	ug/L
2-Butanone (MEK)	PZ-32	4/2/04	10	10	ND	ug/L
2-Butanone (MEK)	PZ-33	4/2/04	10	10	ND	ug/L
2-Butanone (MEK)	MW33	4/2/04	10	10	ND	ug/L
2-Butanone (MEK)	PZ-30	4/2/04	10	10	ND	ug/L
2-Butanone (MEK)	MW11	3/26/04	10	10	ND	ug/L
2-Butanone (MEK)	MW21	3/26/04	10	10	ND	ug/L
2-Butanone (MEK)	MW13	3/26/04	10	10	ND	ug/L
2-Butanone (MEK)	MW02C	3/26/04	10	10	ND	ug/L
2-Butanone (MEK)	MW15	3/26/04	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	3/26/04	10	10	ND	ug/L
2-Butanone (MEK)	MW12	3/26/04	10	10	ND	ug/L
2-Butanone (MEK)	MW20	3/26/04	10	10	ND	ug/L
2-Butanone (MEK)	PZ-29	12/30/03	10	10	ND	ug/L
2-Butanone (MEK)	PZ-33	12/30/03	10	10	ND	ug/L
2-Butanone (MEK)	PZ-30	12/30/03	10	10	ND	ug/L
2-Butanone (MEK)	PZ-27	12/30/03	10	10	ND	ug/L
2-Butanone (MEK)	PZ-26	10/22/03	5	5	ND	ug/L
2-Butanone (MEK)	MW29A	10/22/03	5	5	ND	ug/L
2-Butanone (MEK)	MW32	10/22/03	5	5	ND	ug/L
2-Butanone (MEK)	PZ-29	10/1/03	10	10	ND	ug/L
2-Butanone (MEK)	PZ-33	10/1/03	10	10	ND	ug/L
2-Butanone (MEK)	PZ-30	10/1/03	10	10	ND	ug/L
2-Butanone (MEK)	MW33	10/1/03	10	10	ND	ug/L
2-Butanone (MEK)	PZ-32	10/1/03	10	10	ND	ug/L
2-Butanone (MEK)	PZ-27	10/1/03	10	10	ND	ug/L
2-Butanone (MEK)	MW11	9/24/03	10	10	ND	ug/L
2-Butanone (MEK)	MW21	9/24/03	10	10	ND	ug/L
2-Butanone (MEK)	MW13	9/24/03	10	10	ND	ug/L
2-Butanone (MEK)	MW15	9/24/03	10	10	ND	ug/L
2-Butanone (MEK)	MW02C	9/24/03	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	9/24/03	10	10	ND	ug/L
2-Butanone (MEK)	MW12	9/24/03	10	10	ND	ug/L
2-Butanone (MEK)	MW20	9/24/03	10	10	ND	ug/L
2-Butanone (MEK)	MW33	7/25/03	10	10	ND	ug/L
2-Butanone (MEK)	PZ-30	7/25/03	10	10	ND	ug/L
2-Butanone (MEK)	MW32	5/15/03	9.8	5		ug/L
2-Butanone (MEK)	MW29A	5/15/03	5	5	ND	ug/L
2-Butanone (MEK)	PZ-26	5/15/03	5	5	ND	ug/L
2-Butanone (MEK)	MW02C	3/20/03	10	10	ND	ug/L
2-Butanone (MEK)	MW12	3/20/03	10	10	ND	ug/L
2-Butanone (MEK)	MW11	3/20/03	10	10	ND	ug/L
2-Butanone (MEK)	MW15	3/20/03	10	10	ND	ug/L
2-Butanone (MEK)	MW13	3/20/03	10	10	ND	ug/L
2-Butanone (MEK)	MW20	3/20/03	10	10	ND	ug/L
2-Butanone (MEK)	MW21	3/20/03	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	3/20/03	10	10	ND	ug/L
2-Butanone (MEK)	PZ-26	11/1/02	5	5	ND	ug/L
2-Butanone (MEK)	MW29A	11/1/02	5	5	ND	ug/L
2-Butanone (MEK)	MW32	11/1/02	5	5	ND	ug/L
2-Butanone (MEK)	MW11	9/24/02	10	10	ND	ug/L
2-Butanone (MEK)	MW21	9/24/02	10	10	ND	ug/L
2-Butanone (MEK)	MW13	9/24/02	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Butanone (MEK)	MW02C	9/24/02	10	10	ND	ug/L
2-Butanone (MEK)	MW15	9/24/02	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	9/24/02	10	10	ND	ug/L
2-Butanone (MEK)	MW12	9/24/02	10	10	ND	ug/L
2-Butanone (MEK)	MW20	9/24/02	10	10	ND	ug/L
2-Butanone (MEK)	MW11	3/12/02	10	10	ND	ug/L
2-Butanone (MEK)	MW21	3/12/02	10	10	ND	ug/L
2-Butanone (MEK)	MW13	3/12/02	10	10	ND	ug/L
2-Butanone (MEK)	MW02C	3/12/02	10	10	ND	ug/L
2-Butanone (MEK)	MW15	3/12/02	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	3/12/02	10	10	ND	ug/L
2-Butanone (MEK)	MW12	3/12/02	10	10	ND	ug/L
2-Butanone (MEK)	MW20	3/12/02	10	10	ND	ug/L
2-Butanone (MEK)	MW02C	1/9/02	10	10	ND	ug/L
2-Butanone (MEK)	PZ-26	10/31/01	5	5	ND	ug/L
2-Butanone (MEK)	MW29A	10/31/01	5	5	ND	ug/L
2-Butanone (MEK)	MW11	9/25/01	10	10	ND	ug/L
2-Butanone (MEK)	MW21	9/25/01	10	10	ND	ug/L
2-Butanone (MEK)	MW13	9/25/01	10	10	ND	ug/L
2-Butanone (MEK)	MW02C	9/25/01	10	10	ND	ug/L
2-Butanone (MEK)	MW15	9/25/01	10	10	ND	ug/L
2-Butanone (MEK)	MW20	9/25/01	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	9/25/01	10	10	ND	ug/L
2-Butanone (MEK)	MW12	9/25/01	10	10	ND	ug/L
2-Butanone (MEK)	PZ-26	6/29/01	5	5	ND	ug/L
2-Butanone (MEK)	MW29A	6/29/01	5	5	ND	ug/L
2-Butanone (MEK)	MW02C	6/1/01	10	10	ND	ug/L
2-Butanone (MEK)	MW11	3/14/01	10	10	ND	ug/L
2-Butanone (MEK)	MW21	3/14/01	10	10	ND	ug/L
2-Butanone (MEK)	MW13	3/14/01	10	10	ND	ug/L
2-Butanone (MEK)	MW02C	3/14/01	10	10	ND	ug/L
2-Butanone (MEK)	MW15	3/14/01	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	3/14/01	10	10	ND	ug/L
2-Butanone (MEK)	MW20	3/14/01	10	10	ND	ug/L
2-Butanone (MEK)	MW12	3/14/01	10	10	ND	ug/L
2-Butanone (MEK)	MW02C	12/6/00	10	10	ND	ug/L
2-Butanone (MEK)	MW11	9/26/00	10	10	ND	ug/L
2-Butanone (MEK)	MW12	9/26/00	10	10	ND	ug/L
2-Butanone (MEK)	MW20	9/26/00	10	10	ND	ug/L
2-Butanone (MEK)	MW02C	9/26/00	10	10	ND	ug/L
2-Butanone (MEK)	MW13	9/26/00	10	10	ND	ug/L
2-Butanone (MEK)	MW15	9/26/00	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	9/26/00	10	10	ND	ug/L
2-Butanone (MEK)	MW21	9/26/00	10	10	ND	ug/L
2-Butanone (MEK)	MW30	3/21/00	50	50	ND	ug/L
2-Butanone (MEK)	MW11	3/21/00	10	10	ND	ug/L
2-Butanone (MEK)	MW21	3/21/00	10	10	ND	ug/L
2-Butanone (MEK)	MW13	3/21/00	10	10	ND	ug/L
2-Butanone (MEK)	MW02B	3/21/00	10	10	ND	ug/L
2-Butanone (MEK)	MW20	3/21/00	10	10	ND	ug/L
2-Butanone (MEK)	MW15	3/21/00	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	3/21/00	10	10	ND	ug/L
2-Butanone (MEK)	MW12	3/21/00	10	10	ND	ug/L
2-Butanone (MEK)	MW29A	3/20/00	50	50	ND	ug/L
2-Butanone (MEK)	PZ-26	3/16/00	50	50	ND	ug/L
2-Butanone (MEK)	MW13	9/21/99	10	10	ND	ug/L
2-Butanone (MEK)	MW15	9/21/99	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	9/21/99	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Butanone (MEK)	MW21	9/21/99	10	10	ND	ug/L
2-Butanone (MEK)	MW11	9/21/99	10	10	ND	ug/L
2-Butanone (MEK)	MW12	9/21/99	10	10	ND	ug/L
2-Butanone (MEK)	MW20	9/21/99	10	10	ND	ug/L
2-Butanone (MEK)	MW02B	9/21/99	10	10	ND	ug/L
2-Butanone (MEK)	MW13	3/17/99	10	10	ND	ug/L
2-Butanone (MEK)	MW05A	3/17/99	10	10	ND	ug/L
2-Butanone (MEK)	MW15	3/16/99	10	10	ND	ug/L
2-Butanone (MEK)	MW21	3/16/99	10	10	ND	ug/L
2-Butanone (MEK)	MW12	3/16/99	10	10	ND	ug/L
2-Butanone (MEK)	MW20	3/16/99	10	10	ND	ug/L
2-Butanone (MEK)	MW02B	3/15/99	10	10	ND	ug/L
2-Butanone (MEK)	MW11	3/15/99	10	10	ND	ug/L
2-Butanone (MEK)	PZ-26	2/25/99	10	10	ND	ug/L
2-Butanone (MEK)	MW06	2/25/99	10	10	ND	ug/L
2-Butanone (MEK)	PZ-25	2/25/99	10	10	ND	ug/L
2-Butanone (MEK)	MW03	2/25/99	10	10	ND	ug/L
2-Butanone (MEK)	MW02B	10/15/98	5	10	ND	ug/L
2-Butanone (MEK)	MW05A	10/15/98	5	10	ND	ug/L
2-Butanone (MEK)	MW11	10/15/98	5	10	ND	ug/L
2-Butanone (MEK)	MW12	10/15/98	5	10	ND	ug/L
2-Butanone (MEK)	MW13	10/15/98	5	10	ND	ug/L
2-Butanone (MEK)	MW15	10/15/98	5	10	ND	ug/L
2-Butanone (MEK)	MW20	10/15/98	5	10	ND	ug/L
2-Butanone (MEK)	MW21	10/15/98	5	10	ND	ug/L
2-Butanone (MEK)	MW02B	3/12/98	5	10	ND	ug/L
2-Butanone (MEK)	MW05A	3/12/98	5	10	ND	ug/L
2-Butanone (MEK)	MW11	3/12/98	5	10	ND	ug/L
2-Butanone (MEK)	MW12	3/12/98	5	10	ND	ug/L
2-Butanone (MEK)	MW13	3/12/98	5	10	ND	ug/L
2-Butanone (MEK)	MW15	3/12/98	5	10	ND	ug/L
2-Butanone (MEK)	MW20	3/12/98	5	10	ND	ug/L
2-Butanone (MEK)	MW21	3/12/98	5	10	ND	ug/L
2-Butanone (MEK)	MW02B	12/19/97	5	10	ND	ug/L
2-Butanone (MEK)	MW05A	12/19/97	5	10	ND	ug/L
2-Butanone (MEK)	MW11	12/19/97	5	10	ND	ug/L
2-Butanone (MEK)	MW12	12/19/97	5	10	ND	ug/L
2-Butanone (MEK)	MW13	12/19/97	5	10	ND	ug/L
2-Butanone (MEK)	MW15	12/19/97	5	10	ND	ug/L
2-Butanone (MEK)	MW20	12/19/97	5	10	ND	ug/L
2-Butanone (MEK)	MW21	12/19/97	5	10	ND	ug/L
2-Butanone (MEK)	MW05A	9/11/97	5	10	ND	ug/L
2-Butanone (MEK)	MW11	9/11/97	5	10	ND	ug/L
2-Butanone (MEK)	MW21	9/11/97	5	10	ND	ug/L
2-Butanone (MEK)	MW02B	9/10/97	5	10	ND	ug/L
2-Butanone (MEK)	MW12	9/10/97	5	10	ND	ug/L
2-Butanone (MEK)	MW13	9/10/97	5	10	ND	ug/L
2-Butanone (MEK)	MW15	9/10/97	5	10	ND	ug/L
2-Butanone (MEK)	MW20	9/10/97	5	10	ND	ug/L
2-Butanone (MEK)	MW02B	6/27/97	5	10	ND	ug/L
2-Butanone (MEK)	MW05A	6/27/97	5	10	ND	ug/L
2-Butanone (MEK)	MW11	6/27/97	5	10	ND	ug/L
2-Butanone (MEK)	MW12	6/27/97	5	10	ND	ug/L
2-Butanone (MEK)	MW13	6/27/97	5	10	ND	ug/L
2-Butanone (MEK)	MW15	6/27/97	5	10	ND	ug/L
2-Butanone (MEK)	MW20	6/27/97	5	10	ND	ug/L
2-Butanone (MEK)	MW21	6/27/97	5	10	ND	ug/L
2-Butanone (MEK)	MW02B	3/12/97	5	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Butanone (MEK)	MW05A	3/12/97	5	10	ND	ug/L
2-Butanone (MEK)	MW11	3/12/97	5	10	ND	ug/L
2-Butanone (MEK)	MW12	3/12/97	5	10	ND	ug/L
2-Butanone (MEK)	MW13	3/12/97	5	10	ND	ug/L
2-Butanone (MEK)	MW15	3/12/97	5	10	ND	ug/L
2-Butanone (MEK)	MW20	3/12/97	5	10	ND	ug/L
2-Butanone (MEK)	MW21	3/12/97	5	10	ND	ug/L
2-Butanone (MEK)	MW02B	12/4/96	5	10	ND	ug/L
2-Butanone (MEK)	MW05A	12/4/96	5	10	ND	ug/L
2-Butanone (MEK)	MW11	12/4/96	5	10	ND	ug/L
2-Butanone (MEK)	MW12	12/4/96	5	10	ND	ug/L
2-Butanone (MEK)	MW13	12/4/96	5	10	ND	ug/L
2-Butanone (MEK)	MW15	12/4/96	5	10	ND	ug/L
2-Butanone (MEK)	MW20	12/4/96	5	10	ND	ug/L
2-Butanone (MEK)	MW21	12/4/96	5	10	ND	ug/L
2-Butanone (MEK)	MW02B	9/11/96	5	10	ND	ug/L
2-Butanone (MEK)	MW05A	9/11/96	5	10	ND	ug/L
2-Butanone (MEK)	MW11	9/11/96	5	10	ND	ug/L
2-Butanone (MEK)	MW12	9/11/96	5	10	ND	ug/L
2-Butanone (MEK)	MW13	9/11/96	5	10	ND	ug/L
2-Butanone (MEK)	MW15	9/11/96	5	10	ND	ug/L
2-Butanone (MEK)	MW20	9/11/96	5	10	ND	ug/L
2-Butanone (MEK)	MW21	9/11/96	5	10	ND	ug/L
2-Butanone (MEK)	MW02B	7/2/96	4	10	ND	ug/L
2-Butanone (MEK)	MW05A	7/2/96	4	10	ND	ug/L
2-Butanone (MEK)	MW11	7/2/96	4	10	ND	ug/L
2-Butanone (MEK)	MW12	7/2/96	4	10	ND	ug/L
2-Butanone (MEK)	MW13	7/2/96	4	10	ND	ug/L
2-Butanone (MEK)	MW15	7/2/96	4	10	ND	ug/L
2-Butanone (MEK)	MW20	7/2/96	4	10	ND	ug/L
2-Butanone (MEK)	MW21	7/2/96	4	10	ND	ug/L
2-Butanone (MEK)	MW01A	7/22/94	4	10	ND	ug/L
2-Butanone (MEK)	MW02A	7/22/94	4	10	ND	ug/L
2-Butanone (MEK)	MW03	7/22/94	4	10	ND	ug/L
2-Butanone (MEK)	MW05	7/22/94	4	10	ND	ug/L
2-Butanone (MEK)	MW06	7/22/94	4	10	ND	ug/L
2-Butanone (MEK)	MW05A	5/12/94	9	10	ND	ug/L
2-Butanone (MEK)	MW15	4/26/94	9	10	ND	ug/L
2-Butanone (MEK)	MW01A	4/25/94	9	10	ND	ug/L
2-Butanone (MEK)	MW02A	4/25/94	9	10	ND	ug/L
2-Butanone (MEK)	MW03	4/25/94	9	10	ND	ug/L
2-Butanone (MEK)	MW05	4/25/94	9	10	ND	ug/L
2-Butanone (MEK)	MW06	4/25/94	9	10	ND	ug/L
2-Butanone (MEK)	MW01A	1/31/94	9	10	ND	ug/L
2-Butanone (MEK)	MW02A	1/31/94	9	10	ND	ug/L
2-Butanone (MEK)	MW03	1/31/94	9	10	ND	ug/L
2-Butanone (MEK)	MW05	1/31/94	9	10	ND	ug/L
2-Butanone (MEK)	MW06	1/31/94	9	10	ND	ug/L
2-Butanone (MEK)	MW01A	10/18/93	9	10	ND	ug/L
2-Butanone (MEK)	MW02A	10/18/93	9	10	ND	ug/L
2-Butanone (MEK)	MW03	10/18/93	9	10	ND	ug/L
2-Butanone (MEK)	MW05	10/18/93	9	10	ND	ug/L
2-Butanone (MEK)	MW06	10/18/93	9	10	ND	ug/L
2-Butanone (MEK)	MW03	7/27/93	9	10	ND	ug/L
2-Butanone (MEK)	MW06	7/27/93	9	10	ND	ug/L
2-Butanone (MEK)	MW01A	7/26/93	9	10	ND	ug/L
2-Butanone (MEK)	MW02A	7/26/93	9	10	ND	ug/L
2-Butanone (MEK)	MW05	7/26/93	9	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Chloroethylvinyl ether	MW02A	5/21/92	5	20	ND	ug/L
2-Chloroethylvinyl ether	MW01A	11/7/91	2	20	ND	ug/L
2-Chloroethylvinyl ether	MW02A	11/7/91	2	20	ND	ug/L
2-Chloroethylvinyl ether	MW03	11/7/91	2	20	ND	ug/L
2-Chloroethylvinyl ether	MW05	11/7/91	2	20	ND	ug/L
2-Chloroethylvinyl ether	MW06	11/7/91	2	20	ND	ug/L
2-Chloronaphthalene	MW30	3/21/00	10	10	ND	ug/L
2-Chloronaphthalene	MW29A	3/20/00	10	10	ND	ug/L
2-Chloronaphthalene	PZ-26	3/16/00	10	10	ND	ug/L
2-Chloronaphthalene	MW02A	5/21/92	1	10	ND	ug/L
2-Chlorophenol	MW30	3/21/00	10	10	ND	ug/L
2-Chlorophenol	MW29A	3/20/00	10	10	ND	ug/L
2-Chlorophenol	PZ-26	3/16/00	10	10	ND	ug/L
2-Hexanone	PZ-32	7/28/06	10	10	ND	ug/L
2-Hexanone	MW-02C	7/20/06	10	10	ND	ug/L
2-Hexanone	MW-05A	7/20/06	10	10	ND	ug/L
2-Hexanone	MW-11	7/20/06	10	10	ND	ug/L
2-Hexanone	MW-12	7/20/06	10	10	ND	ug/L
2-Hexanone	MW-13	7/20/06	10	10	ND	ug/L
2-Hexanone	MW-15	7/20/06	10	10	ND	ug/L
2-Hexanone	MW-20	7/20/06	10	10	ND	ug/L
2-Hexanone	MW-21	7/20/06	10	10	ND	ug/L
2-Hexanone	PZ-33	7/20/06	10	10	ND	ug/L
2-Hexanone	MW-10	5/12/06	10	10	ND	ug/L
2-Hexanone	PZ-32	5/12/06	10	10	ND	ug/L
2-Hexanone	PZ-32	1/24/06	10	10	ND	ug/L
2-Hexanone	MW-02C	1/19/06	10	10	ND	ug/L
2-Hexanone	MW-05A	1/19/06	10	10	ND	ug/L
2-Hexanone	MW-11	1/19/06	10	10	ND	ug/L
2-Hexanone	MW-12	1/19/06	10	10	ND	ug/L
2-Hexanone	MW-13	1/19/06	10	10	ND	ug/L
2-Hexanone	MW-15	1/19/06	10	10	ND	ug/L
2-Hexanone	MW-20	1/19/06	10	10	ND	ug/L
2-Hexanone	MW-21	1/19/06	10	10	ND	ug/L
2-Hexanone	PZ-33	1/19/06	10	10	ND	ug/L
2-Hexanone	FB-01	11/17/05	10	10	ND	ug/L
2-Hexanone	PZ-30	11/17/05	10	10	ND	ug/L
2-Hexanone	PZ-33	11/17/05	10	10	ND	ug/L
2-Hexanone	TRIP BLANK	11/17/05	10	10	ND	ug/L
2-Hexanone	PZ-29	8/26/05	10	10	ND	ug/L
2-Hexanone	PZ-33	8/26/05	10	10	ND	ug/L
2-Hexanone	MW-02C	8/18/05	10	10	ND	ug/L
2-Hexanone	MW-05A	8/18/05	10	10	ND	ug/L
2-Hexanone	MW-11	8/18/05	10	10	ND	ug/L
2-Hexanone	MW-12	8/18/05	10	10	ND	ug/L
2-Hexanone	MW-13	8/18/05	10	10	ND	ug/L
2-Hexanone	MW-15	8/18/05	10	10	ND	ug/L
2-Hexanone	MW-20	8/18/05	10	10	ND	ug/L
2-Hexanone	MW-21	8/18/05	10	10	ND	ug/L
2-Hexanone	MW07	3/23/05	10	10	ND	ug/L
2-Hexanone	MW33	3/23/05	10	10	ND	ug/L
2-Hexanone	PZ-29	3/23/05	10	10	ND	ug/L
2-Hexanone	PZ-30	3/23/05	10	10	ND	ug/L
2-Hexanone	PZ-32	3/23/05	10	10	ND	ug/L
2-Hexanone	PZ-33	3/23/05	10	10	ND	ug/L
2-Hexanone	MW02C	3/17/05	10	10	ND	ug/L
2-Hexanone	MW05A	3/17/05	10	10	ND	ug/L
2-Hexanone	MW11	3/17/05	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Hexanone	MW12	3/17/05	10	10	ND	ug/L
2-Hexanone	MW13	3/17/05	10	10	ND	ug/L
2-Hexanone	MW15	3/17/05	10	10	ND	ug/L
2-Hexanone	MW20	3/17/05	10	10	ND	ug/L
2-Hexanone	MW21	3/17/05	10	10	ND	ug/L
2-Hexanone	MW02C	9/2/04	10	10	ND	ug/L
2-Hexanone	MW05A	9/2/04	10	10	ND	ug/L
2-Hexanone	MW11	9/2/04	10	10	ND	ug/L
2-Hexanone	MW12	9/2/04	10	10	ND	ug/L
2-Hexanone	MW13	9/2/04	10	10	ND	ug/L
2-Hexanone	MW15	9/2/04	10	10	ND	ug/L
2-Hexanone	MW20	9/2/04	10	10	ND	ug/L
2-Hexanone	MW21	9/2/04	10	10	ND	ug/L
2-Hexanone	PZ-29	5/26/04	10	10	ND	ug/L
2-Hexanone	PZ-33	5/26/04	10	10	ND	ug/L
2-Hexanone	MW33	5/26/04	10	10	ND	ug/L
2-Hexanone	PZ-30	5/26/04	10	10	ND	ug/L
2-Hexanone	PZ-28	4/2/04	10	10	ND	ug/L
2-Hexanone	PZ-29	4/2/04	10	10	ND	ug/L
2-Hexanone	PZ-32	4/2/04	10	10	ND	ug/L
2-Hexanone	PZ-33	4/2/04	10	10	ND	ug/L
2-Hexanone	MW33	4/2/04	10	10	ND	ug/L
2-Hexanone	PZ-30	4/2/04	10	10	ND	ug/L
2-Hexanone	MW11	3/26/04	10	10	ND	ug/L
2-Hexanone	MW21	3/26/04	10	10	ND	ug/L
2-Hexanone	MW13	3/26/04	10	10	ND	ug/L
2-Hexanone	MW02C	3/26/04	10	10	ND	ug/L
2-Hexanone	MW15	3/26/04	10	10	ND	ug/L
2-Hexanone	MW05A	3/26/04	10	10	ND	ug/L
2-Hexanone	MW12	3/26/04	10	10	ND	ug/L
2-Hexanone	MW20	3/26/04	10	10	ND	ug/L
2-Hexanone	PZ-29	12/30/03	10	10	ND	ug/L
2-Hexanone	PZ-33	12/30/03	10	10	ND	ug/L
2-Hexanone	PZ-30	12/30/03	10	10	ND	ug/L
2-Hexanone	PZ-27	12/30/03	10	10	ND	ug/L
2-Hexanone	PZ-29	10/1/03	10	10	ND	ug/L
2-Hexanone	PZ-33	10/1/03	10	10	ND	ug/L
2-Hexanone	PZ-30	10/1/03	10	10	ND	ug/L
2-Hexanone	MW33	10/1/03	10	10	ND	ug/L
2-Hexanone	PZ-32	10/1/03	10	10	ND	ug/L
2-Hexanone	PZ-27	10/1/03	10	10	ND	ug/L
2-Hexanone	MW11	9/24/03	10	10	ND	ug/L
2-Hexanone	MW21	9/24/03	10	10	ND	ug/L
2-Hexanone	MW13	9/24/03	10	10	ND	ug/L
2-Hexanone	MW15	9/24/03	10	10	ND	ug/L
2-Hexanone	MW02C	9/24/03	10	10	ND	ug/L
2-Hexanone	MW05A	9/24/03	10	10	ND	ug/L
2-Hexanone	MW12	9/24/03	10	10	ND	ug/L
2-Hexanone	MW20	9/24/03	10	10	ND	ug/L
2-Hexanone	MW33	7/25/03	10	10	ND	ug/L
2-Hexanone	PZ-30	7/25/03	10	10	ND	ug/L
2-Hexanone	MW02C	3/20/03	10	10	ND	ug/L
2-Hexanone	MW12	3/20/03	10	10	ND	ug/L
2-Hexanone	MW11	3/20/03	10	10	ND	ug/L
2-Hexanone	MW15	3/20/03	10	10	ND	ug/L
2-Hexanone	MW13	3/20/03	10	10	ND	ug/L
2-Hexanone	MW20	3/20/03	10	10	ND	ug/L
2-Hexanone	MW21	3/20/03	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Hexanone	MW05A	3/20/03	10	10	ND	ug/L
2-Hexanone	MW11	9/24/02	10	10	ND	ug/L
2-Hexanone	MW21	9/24/02	10	10	ND	ug/L
2-Hexanone	MW13	9/24/02	10	10	ND	ug/L
2-Hexanone	MW02C	9/24/02	10	10	ND	ug/L
2-Hexanone	MW15	9/24/02	10	10	ND	ug/L
2-Hexanone	MW05A	9/24/02	10	10	ND	ug/L
2-Hexanone	MW12	9/24/02	10	10	ND	ug/L
2-Hexanone	MW20	9/24/02	10	10	ND	ug/L
2-Hexanone	MW11	3/12/02	10	10	ND	ug/L
2-Hexanone	MW21	3/12/02	10	10	ND	ug/L
2-Hexanone	MW13	3/12/02	10	10	ND	ug/L
2-Hexanone	MW02C	3/12/02	10	10	ND	ug/L
2-Hexanone	MW15	3/12/02	10	10	ND	ug/L
2-Hexanone	MW05A	3/12/02	10	10	ND	ug/L
2-Hexanone	MW12	3/12/02	10	10	ND	ug/L
2-Hexanone	MW20	3/12/02	10	10	ND	ug/L
2-Hexanone	MW02C	1/9/02	10	10	ND	ug/L
2-Hexanone	MW11	9/25/01	10	10	ND	ug/L
2-Hexanone	MW21	9/25/01	10	10	ND	ug/L
2-Hexanone	MW13	9/25/01	10	10	ND	ug/L
2-Hexanone	MW02C	9/25/01	10	10	ND	ug/L
2-Hexanone	MW15	9/25/01	10	10	ND	ug/L
2-Hexanone	MW20	9/25/01	10	10	ND	ug/L
2-Hexanone	MW05A	9/25/01	10	10	ND	ug/L
2-Hexanone	MW12	9/25/01	10	10	ND	ug/L
2-Hexanone	MW02C	6/1/01	10	10	ND	ug/L
2-Hexanone	MW11	3/14/01	10	10	ND	ug/L
2-Hexanone	MW21	3/14/01	10	10	ND	ug/L
2-Hexanone	MW13	3/14/01	10	10	ND	ug/L
2-Hexanone	MW02C	3/14/01	10	10	ND	ug/L
2-Hexanone	MW15	3/14/01	10	10	ND	ug/L
2-Hexanone	MW05A	3/14/01	10	10	ND	ug/L
2-Hexanone	MW20	3/14/01	10	10	ND	ug/L
2-Hexanone	MW12	3/14/01	10	10	ND	ug/L
2-Hexanone	MW02C	12/6/00	10	10	ND	ug/L
2-Hexanone	MW11	9/26/00	10	10	ND	ug/L
2-Hexanone	MW12	9/26/00	10	10	ND	ug/L
2-Hexanone	MW20	9/26/00	10	10	ND	ug/L
2-Hexanone	MW02C	9/26/00	10	10	ND	ug/L
2-Hexanone	MW13	9/26/00	10	10	ND	ug/L
2-Hexanone	MW15	9/26/00	10	10	ND	ug/L
2-Hexanone	MW05A	9/26/00	10	10	ND	ug/L
2-Hexanone	MW21	9/26/00	10	10	ND	ug/L
2-Hexanone	MW30	3/21/00	50	50	ND	ug/L
2-Hexanone	MW11	3/21/00	10	10	ND	ug/L
2-Hexanone	MW21	3/21/00	10	10	ND	ug/L
2-Hexanone	MW13	3/21/00	10	10	ND	ug/L
2-Hexanone	MW02B	3/21/00	10	10	ND	ug/L
2-Hexanone	MW20	3/21/00	10	10	ND	ug/L
2-Hexanone	MW15	3/21/00	10	10	ND	ug/L
2-Hexanone	MW05A	3/21/00	10	10	ND	ug/L
2-Hexanone	MW12	3/21/00	10	10	ND	ug/L
2-Hexanone	MW29A	3/20/00	50	50	ND	ug/L
2-Hexanone	PZ-26	3/16/00	50	50	ND	ug/L
2-Hexanone	MW13	9/21/99	10	10	ND	ug/L
2-Hexanone	MW15	9/21/99	10	10	ND	ug/L
2-Hexanone	MW05A	9/21/99	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Hexanone	MW21	9/21/99	10	10	ND	ug/L
2-Hexanone	MW11	9/21/99	10	10	ND	ug/L
2-Hexanone	MW12	9/21/99	10	10	ND	ug/L
2-Hexanone	MW20	9/21/99	10	10	ND	ug/L
2-Hexanone	MW02B	9/21/99	10	10	ND	ug/L
2-Hexanone	MW13	3/17/99	10	10	ND	ug/L
2-Hexanone	MW05A	3/17/99	10	10	ND	ug/L
2-Hexanone	MW15	3/16/99	10	10	ND	ug/L
2-Hexanone	MW21	3/16/99	10	10	ND	ug/L
2-Hexanone	MW12	3/16/99	10	10	ND	ug/L
2-Hexanone	MW20	3/16/99	10	10	ND	ug/L
2-Hexanone	MW02B	3/15/99	10	10	ND	ug/L
2-Hexanone	MW11	3/15/99	10	10	ND	ug/L
2-Hexanone	PZ-26	2/25/99	5	5	ND	ug/L
2-Hexanone	MW06	2/25/99	5	5	ND	ug/L
2-Hexanone	PZ-25	2/25/99	5	5	ND	ug/L
2-Hexanone	MW03	2/25/99	5	5	ND	ug/L
2-Hexanone	MW02B	10/15/98	0.9	10	ND	ug/L
2-Hexanone	MW05A	10/15/98	0.9	10	ND	ug/L
2-Hexanone	MW11	10/15/98	0.9	10	ND	ug/L
2-Hexanone	MW12	10/15/98	0.9	10	ND	ug/L
2-Hexanone	MW13	10/15/98	0.9	10	ND	ug/L
2-Hexanone	MW15	10/15/98	0.9	10	ND	ug/L
2-Hexanone	MW20	10/15/98	0.9	10	ND	ug/L
2-Hexanone	MW21	10/15/98	0.9	10	ND	ug/L
2-Hexanone	MW02B	3/12/98	0.9	10	ND	ug/L
2-Hexanone	MW05A	3/12/98	0.9	10	ND	ug/L
2-Hexanone	MW11	3/12/98	0.9	10	ND	ug/L
2-Hexanone	MW12	3/12/98	0.9	10	ND	ug/L
2-Hexanone	MW13	3/12/98	0.9	10	ND	ug/L
2-Hexanone	MW15	3/12/98	0.9	10	ND	ug/L
2-Hexanone	MW20	3/12/98	0.9	10	ND	ug/L
2-Hexanone	MW21	3/12/98	0.9	10	ND	ug/L
2-Hexanone	MW02B	12/19/97	0.9	10	ND	ug/L
2-Hexanone	MW05A	12/19/97	0.9	10	ND	ug/L
2-Hexanone	MW11	12/19/97	0.9	10	ND	ug/L
2-Hexanone	MW12	12/19/97	0.9	10	ND	ug/L
2-Hexanone	MW13	12/19/97	0.9	10	ND	ug/L
2-Hexanone	MW15	12/19/97	0.9	10	ND	ug/L
2-Hexanone	MW20	12/19/97	0.9	10	ND	ug/L
2-Hexanone	MW21	12/19/97	0.9	10	ND	ug/L
2-Hexanone	MW05A	9/11/97	0.9	10	ND	ug/L
2-Hexanone	MW11	9/11/97	0.9	10	ND	ug/L
2-Hexanone	MW21	9/11/97	0.9	10	ND	ug/L
2-Hexanone	MW02B	9/10/97	0.9	10	ND	ug/L
2-Hexanone	MW12	9/10/97	0.9	10	ND	ug/L
2-Hexanone	MW13	9/10/97	0.9	10	ND	ug/L
2-Hexanone	MW15	9/10/97	0.9	10	ND	ug/L
2-Hexanone	MW20	9/10/97	0.9	10	ND	ug/L
2-Hexanone	MW02B	6/27/97	0.9	10	ND	ug/L
2-Hexanone	MW05A	6/27/97	0.9	10	ND	ug/L
2-Hexanone	MW11	6/27/97	0.9	10	ND	ug/L
2-Hexanone	MW12	6/27/97	0.9	10	ND	ug/L
2-Hexanone	MW13	6/27/97	0.9	10	ND	ug/L
2-Hexanone	MW15	6/27/97	0.9	10	ND	ug/L
2-Hexanone	MW20	6/27/97	0.9	10	ND	ug/L
2-Hexanone	MW21	6/27/97	0.9	10	ND	ug/L
2-Hexanone	MW02B	3/12/97	0.9	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Hexanone	MW05A	3/12/97	0.9	10	ND	ug/L
2-Hexanone	MW11	3/12/97	0.9	10	ND	ug/L
2-Hexanone	MW12	3/12/97	0.9	10	ND	ug/L
2-Hexanone	MW13	3/12/97	0.9	10	ND	ug/L
2-Hexanone	MW15	3/12/97	0.9	10	ND	ug/L
2-Hexanone	MW20	3/12/97	0.9	10	ND	ug/L
2-Hexanone	MW21	3/12/97	0.9	10	ND	ug/L
2-Hexanone	MW02B	12/4/96	0.9	10	ND	ug/L
2-Hexanone	MW05A	12/4/96	0.9	10	ND	ug/L
2-Hexanone	MW11	12/4/96	0.9	10	ND	ug/L
2-Hexanone	MW12	12/4/96	0.9	10	ND	ug/L
2-Hexanone	MW13	12/4/96	0.9	10	ND	ug/L
2-Hexanone	MW15	12/4/96	0.9	10	ND	ug/L
2-Hexanone	MW20	12/4/96	0.9	10	ND	ug/L
2-Hexanone	MW21	12/4/96	0.9	10	ND	ug/L
2-Hexanone	MW02B	9/11/96	0.9	10	ND	ug/L
2-Hexanone	MW05A	9/11/96	0.9	10	ND	ug/L
2-Hexanone	MW11	9/11/96	0.9	10	ND	ug/L
2-Hexanone	MW12	9/11/96	0.9	10	ND	ug/L
2-Hexanone	MW13	9/11/96	0.9	10	ND	ug/L
2-Hexanone	MW15	9/11/96	0.9	10	ND	ug/L
2-Hexanone	MW20	9/11/96	0.9	10	ND	ug/L
2-Hexanone	MW21	9/11/96	0.9	10	ND	ug/L
2-Hexanone	MW02B	7/2/96	0.9	10	ND	ug/L
2-Hexanone	MW05A	7/2/96	0.9	10	ND	ug/L
2-Hexanone	MW11	7/2/96	0.9	10	ND	ug/L
2-Hexanone	MW12	7/2/96	0.9	10	ND	ug/L
2-Hexanone	MW13	7/2/96	0.9	10	ND	ug/L
2-Hexanone	MW15	7/2/96	0.9	10	ND	ug/L
2-Hexanone	MW20	7/2/96	0.9	10	ND	ug/L
2-Hexanone	MW21	7/2/96	0.9	10	ND	ug/L
2-Hexanone	MW01A	7/22/94	0.9	10	ND	ug/L
2-Hexanone	MW02A	7/22/94	0.9	10	ND	ug/L
2-Hexanone	MW03	7/22/94	0.9	10	ND	ug/L
2-Hexanone	MW05	7/22/94	0.9	10	ND	ug/L
2-Hexanone	MW06	7/22/94	0.9	10	ND	ug/L
2-Hexanone	MW05A	5/12/94	2	10	ND	ug/L
2-Hexanone	MW15	4/26/94	2	10	ND	ug/L
2-Hexanone	MW01A	4/25/94	2	10	ND	ug/L
2-Hexanone	MW02A	4/25/94	2	10	ND	ug/L
2-Hexanone	MW03	4/25/94	2	10	ND	ug/L
2-Hexanone	MW05	4/25/94	2	10	ND	ug/L
2-Hexanone	MW06	4/25/94	2	10	ND	ug/L
2-Hexanone	MW01A	1/31/94	2	10	ND	ug/L
2-Hexanone	MW02A	1/31/94	2	10	ND	ug/L
2-Hexanone	MW03	1/31/94	2	10	ND	ug/L
2-Hexanone	MW05	1/31/94	2	10	ND	ug/L
2-Hexanone	MW06	1/31/94	2	10	ND	ug/L
2-Hexanone	MW01A	10/18/93	2	10	ND	ug/L
2-Hexanone	MW02A	10/18/93	2	10	ND	ug/L
2-Hexanone	MW03	10/18/93	2	10	ND	ug/L
2-Hexanone	MW05	10/18/93	2	10	ND	ug/L
2-Hexanone	MW06	10/18/93	2	10	ND	ug/L
2-Hexanone	MW03	7/27/93	2	10	ND	ug/L
2-Hexanone	MW06	7/27/93	2	10	ND	ug/L
2-Hexanone	MW01A	7/26/93	2	10	ND	ug/L
2-Hexanone	MW02A	7/26/93	2	10	ND	ug/L
2-Hexanone	MW05	7/26/93	2	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Methylnaphthalene	DUP-01	4/19/06	10	10	ND	ug/L
2-Methylnaphthalene	FB-01	4/19/06	10	10	ND	ug/L
2-Methylnaphthalene	MW-29A	4/19/06	10	10	ND	ug/L
2-Methylnaphthalene	MW-32	4/19/06	10	10	ND	ug/L
2-Methylnaphthalene	PZ-26	4/19/06	10	10	ND	ug/L
2-Methylnaphthalene	DUP-01	11/3/05	10	10	ND	ug/L
2-Methylnaphthalene	FB-01	11/3/05	10	10	ND	ug/L
2-Methylnaphthalene	MW-29A	11/3/05	10	10	ND	ug/L
2-Methylnaphthalene	MW-32	11/3/05	10	10	ND	ug/L
2-Methylnaphthalene	PZ-26	11/3/05	10	10	ND	ug/L
2-Methylnaphthalene	MW32	5/26/04	10	10	ND	ug/L
2-Methylnaphthalene	MW29A	5/26/04	10	10	ND	ug/L
2-Methylnaphthalene	PZ-31	5/26/04	10	10	ND	ug/L
2-Methylnaphthalene	PZ-26	5/26/04	10	10	ND	ug/L
2-Methylnaphthalene	MW1X	5/26/04	10	10	ND	ug/L
2-Methylnaphthalene	PZ-26	10/22/03	10	10	ND	ug/L
2-Methylnaphthalene	MW29A	10/22/03	10	10	ND	ug/L
2-Methylnaphthalene	MW32	10/22/03	10	10	ND	ug/L
2-Methylnaphthalene	MW32	5/15/03	10	10	ND	ug/L
2-Methylnaphthalene	MW29A	5/15/03	10	10	ND	ug/L
2-Methylnaphthalene	PZ-26	5/15/03	10	10	ND	ug/L
2-Methylnaphthalene	PZ-26	11/1/02	10	10	ND	ug/L
2-Methylnaphthalene	MW29A	11/1/02	10	10	ND	ug/L
2-Methylnaphthalene	MW32	11/1/02	10	10	ND	ug/L
2-Methylnaphthalene	PZ-26	10/31/01	10	10	ND	ug/L
2-Methylnaphthalene	MW29A	10/31/01	10	10	ND	ug/L
2-Methylnaphthalene	PZ-26	6/29/01	10	10	ND	ug/L
2-Methylnaphthalene	MW29A	6/29/01	10	10	ND	ug/L
2-Methylnaphthalene	MW30	3/21/00	10	10	ND	ug/L
2-Methylnaphthalene	MW29A	3/20/00	10	10	ND	ug/L
2-Methylnaphthalene	PZ-26	3/16/00	10	10	ND	ug/L
2-Methylnaphthalene	MW02A	5/21/92	1	10	ND	ug/L
2-Methylphenol	MW32	5/26/04	10	10	ND	ug/L
2-Methylphenol	MW29A	5/26/04	10	10	ND	ug/L
2-Methylphenol	PZ-31	5/26/04	10	10	ND	ug/L
2-Methylphenol	PZ-26	5/26/04	10	10	ND	ug/L
2-Methylphenol	MW1X	5/26/04	10	10	ND	ug/L
2-Methylphenol	PZ-26	10/22/03	10	10	ND	ug/L
2-Methylphenol	MW29A	10/22/03	10	10	ND	ug/L
2-Methylphenol	MW32	10/22/03	10	10	ND	ug/L
2-Methylphenol	MW32	5/15/03	10	10	ND	ug/L
2-Methylphenol	MW29A	5/15/03	10	10	ND	ug/L
2-Methylphenol	PZ-26	5/15/03	10	10	ND	ug/L
2-Methylphenol	PZ-26	11/1/02	10	10	ND	ug/L
2-Methylphenol	MW29A	11/1/02	10	10	ND	ug/L
2-Methylphenol	MW32	11/1/02	10	10	ND	ug/L
2-Methylphenol	PZ-26	10/31/01	10	10	ND	ug/L
2-Methylphenol	MW29A	10/31/01	10	10	ND	ug/L
2-Methylphenol	PZ-26	6/29/01	10	10	ND	ug/L
2-Methylphenol	MW29A	6/29/01	10	10	ND	ug/L
2-Methylphenol	MW30	3/21/00	10	10	ND	ug/L
2-Methylphenol	MW29A	3/20/00	10	10	ND	ug/L
2-Methylphenol	PZ-26	3/16/00	10	10	ND	ug/L
2-Naphthylamine	MW30	3/21/00	10	10	ND	ug/L
2-Naphthylamine	MW29A	3/20/00	10	10	ND	ug/L
2-Naphthylamine	PZ-26	3/16/00	10	10	ND	ug/L
2-Nitroaniline	MW30	3/21/00	50	50	ND	ug/L
2-Nitroaniline	MW30	3/21/00	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
2-Nitroaniline	MW29A	3/20/00	50	50	ND	ug/L
2-Nitroaniline	MW29A	3/20/00	10	10	ND	ug/L
2-Nitroaniline	PZ-26	3/16/00	50	50	ND	ug/L
2-Nitroaniline	PZ-26	3/16/00	10	10	ND	ug/L
2-Picoline	MW30	3/21/00	50	50	ND	ug/L
2-Picoline	MW29A	3/20/00	50	50	ND	ug/L
2-Picoline	PZ-26	3/16/00	50	50	ND	ug/L
3,3'-Dichlorobenzidine	MW30	3/21/00	50	50	ND	ug/L
3,3'-Dichlorobenzidine	MW29A	3/20/00	50	50	ND	ug/L
3,3'-Dichlorobenzidine	PZ-26	3/16/00	50	50	ND	ug/L
3,3'-Dichlorobenzidine	MW02A	5/21/92	2	20	ND	ug/L
3,3'-Dimethylbenzidine	MW30	3/21/00	10	10	ND	ug/L
3,3'-Dimethylbenzidine	MW29A	3/20/00	10	10	ND	ug/L
3,3'-Dimethylbenzidine	PZ-26	3/16/00	10	10	ND	ug/L
3-Methylcholanthrene	MW30	3/21/00	10	10	ND	ug/L
3-Methylcholanthrene	MW29A	3/20/00	10	10	ND	ug/L
3-Methylcholanthrene	PZ-26	3/16/00	10	10	ND	ug/L
3-Methylphenol	MW32	5/26/04	10	10	ND	ug/L
3-Methylphenol	MW29A	5/26/04	10	10	ND	ug/L
3-Methylphenol	PZ-31	5/26/04	10	10	ND	ug/L
3-Methylphenol	PZ-26	5/26/04	10	10	ND	ug/L
3-Methylphenol	MW1X	5/26/04	10	10	ND	ug/L
3-Methylphenol	PZ-26	10/22/03	10	10	ND	ug/L
3-Methylphenol	MW29A	10/22/03	10	10	ND	ug/L
3-Methylphenol	MW32	10/22/03	10	10	ND	ug/L
3-Methylphenol	MW32	5/15/03	10	10	ND	ug/L
3-Methylphenol	MW29A	5/15/03	10	10	ND	ug/L
3-Methylphenol	PZ-26	5/15/03	10	10	ND	ug/L
3-Methylphenol	PZ-26	11/1/02	10	10	ND	ug/L
3-Methylphenol	MW29A	11/1/02	10	10	ND	ug/L
3-Methylphenol	MW32	11/1/02	10	10	ND	ug/L
3-Methylphenol	PZ-26	10/31/01	10	10	ND	ug/L
3-Methylphenol	MW29A	10/31/01	10	10	ND	ug/L
3-Methylphenol	PZ-26	6/29/01	10	10	ND	ug/L
3-Methylphenol	MW29A	6/29/01	10	10	ND	ug/L
3-Methylphenol	MW30	3/21/00	10	10	ND	ug/L
3-Methylphenol	MW29A	3/20/00	10	10	ND	ug/L
3-Methylphenol	PZ-26	3/16/00	10	10	ND	ug/L
3-Nitroaniline	MW30	3/21/00	50	50	ND	ug/L
3-Nitroaniline	MW29A	3/20/00	50	50	ND	ug/L
3-Nitroaniline	PZ-26	3/16/00	50	50	ND	ug/L
4,4'-DDD	MW30	3/21/00	0.05	0.05	ND	ug/L
4,4'-DDD	MW29A	3/20/00	0.05	0.05	ND	ug/L
4,4'-DDD	PZ-26	3/16/00	0.05	0.05	ND	ug/L
4,4'-DDE	MW30	3/21/00	0.05	0.05	ND	ug/L
4,4'-DDE	MW29A	3/20/00	0.05	0.05	ND	ug/L
4,4'-DDE	PZ-26	3/16/00	0.05	0.05	ND	ug/L
4,4'-DDT	MW30	3/21/00	0.05	0.05	ND	ug/L
4,4'-DDT	MW29A	3/20/00	0.05	0.05	ND	ug/L
4,4'-DDT	PZ-26	3/16/00	0.05	0.05	ND	ug/L
4,6-Dinitro-2-methylphenol	MW30	3/21/00	50	50	ND	ug/L
4,6-Dinitro-2-methylphenol	MW29A	3/20/00	50	50	ND	ug/L
4,6-Dinitro-2-methylphenol	PZ-26	3/16/00	50	50	ND	ug/L
4-Aminobiphenyl	MW30	3/21/00	20	20	ND	ug/L
4-Aminobiphenyl	MW29A	3/20/00	20	20	ND	ug/L
4-Aminobiphenyl	PZ-26	3/16/00	20	20	ND	ug/L
4-Bromophenyl phenyl ether	MW30	3/21/00	10	10	ND	ug/L
4-Bromophenyl phenyl ether	MW29A	3/20/00	10	10	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
4-Bromophenyl phenyl ether	PZ-26	3/16/00	10	10	ND	ug/L
4-Bromophenyl phenyl ether	MW02A	5/21/92	1	10	ND	ug/L
4-Chloro-3-methylphenol	MW30	3/21/00	20	20	ND	ug/L
4-Chloro-3-methylphenol	MW29A	3/20/00	20	20	ND	ug/L
4-Chloro-3-methylphenol	PZ-26	3/16/00	20	20	ND	ug/L
4-Chloroaniline	MW30	3/21/00	20	20	ND	ug/L
4-Chloroaniline	MW29A	3/20/00	20	20	ND	ug/L
4-Chloroaniline	PZ-26	3/16/00	20	20	ND	ug/L
4-Chlorophenyl phenyl ether	MW30	3/21/00	10	10	ND	ug/L
4-Chlorophenyl phenyl ether	MW29A	3/20/00	10	10	ND	ug/L
4-Chlorophenyl phenyl ether	PZ-26	3/16/00	10	10	ND	ug/L
4-Chlorophenyl phenyl ether	MW02A	5/21/92	1	10	ND	ug/L
4-Dimethylaminoazobenzene	MW30	3/21/00	10	10	ND	ug/L
4-Dimethylaminoazobenzene	MW29A	3/20/00	10	10	ND	ug/L
4-Dimethylaminoazobenzene	PZ-26	3/16/00	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-29	5/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-33	5/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	MW33	5/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-30	5/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-28	4/2/04	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-29	4/2/04	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-32	4/2/04	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-33	4/2/04	10	10	ND	ug/L
4-Methyl-2-pentanone	MW33	4/2/04	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-30	4/2/04	10	10	ND	ug/L
4-Methyl-2-pentanone	MW11	3/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	3/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	MW13	3/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	3/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	MW15	3/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	3/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	3/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	MW20	3/26/04	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-29	12/30/03	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-33	12/30/03	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-30	12/30/03	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-27	12/30/03	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-29	10/1/03	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-33	10/1/03	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-30	10/1/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW33	10/1/03	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-32	10/1/03	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-27	10/1/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW11	9/24/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	9/24/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW13	9/24/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW15	9/24/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	9/24/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	9/24/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	9/24/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW20	9/24/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW33	7/25/03	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-30	7/25/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	3/20/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	3/20/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW11	3/20/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW15	3/20/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW13	3/20/03	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
4-Methyl-2-pentanone	MW20	3/20/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	3/20/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	3/20/03	10	10	ND	ug/L
4-Methyl-2-pentanone	MW11	9/24/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	9/24/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW13	9/24/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	9/24/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW15	9/24/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	9/24/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	9/24/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW20	9/24/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW11	3/12/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	3/12/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW13	3/12/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	3/12/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW15	3/12/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	3/12/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	3/12/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW20	3/12/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	1/9/02	10	10	ND	ug/L
4-Methyl-2-pentanone	MW11	9/25/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	9/25/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW13	9/25/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	9/25/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW15	9/25/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW20	9/25/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	9/25/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	9/25/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	6/1/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW11	3/14/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	3/14/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW13	3/14/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	3/14/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW15	3/14/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	3/14/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW20	3/14/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	3/14/01	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	12/6/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW11	9/26/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	9/26/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW20	9/26/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02C	9/26/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW13	9/26/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW15	9/26/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	9/26/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	9/26/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW30	3/21/00	50	50	ND	ug/L
4-Methyl-2-pentanone	MW11	3/21/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	3/21/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW13	3/21/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	3/21/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW20	3/21/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW15	3/21/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	3/21/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	3/21/00	10	10	ND	ug/L
4-Methyl-2-pentanone	MW29A	3/20/00	50	50	ND	ug/L
4-Methyl-2-pentanone	PZ-26	3/16/00	50	50	ND	ug/L
4-Methyl-2-pentanone	MW13	9/21/99	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
4-Methyl-2-pentanone	MW15	9/21/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	9/21/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	9/21/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW11	9/21/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	9/21/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW20	9/21/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	9/21/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW13	3/17/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	3/17/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW15	3/16/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW21	3/16/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW12	3/16/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW20	3/16/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	3/15/99	10	10	ND	ug/L
4-Methyl-2-pentanone	MW11	3/15/99	10	10	ND	ug/L
4-Methyl-2-pentanone	PZ-26	2/25/99	5	5	ND	ug/L
4-Methyl-2-pentanone	MW06	2/25/99	5	5	ND	ug/L
4-Methyl-2-pentanone	PZ-25	2/25/99	5	5	ND	ug/L
4-Methyl-2-pentanone	MW03	2/25/99	5	5	ND	ug/L
4-Methyl-2-pentanone	MW02B	10/15/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	10/15/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW11	10/15/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW12	10/15/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW13	10/15/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW15	10/15/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW20	10/15/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW21	10/15/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	3/12/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	3/12/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW11	3/12/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW12	3/12/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW13	3/12/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW15	3/12/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW20	3/12/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW21	3/12/98	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	12/19/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	12/19/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW11	12/19/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW12	12/19/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW13	12/19/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW15	12/19/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW20	12/19/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW21	12/19/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	9/11/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW11	9/11/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW21	9/11/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	9/10/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW12	9/10/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW13	9/10/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW15	9/10/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW20	9/10/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	6/27/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	6/27/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW11	6/27/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW12	6/27/97	0.8	10	J	ug/L
4-Methyl-2-pentanone	MW13	6/27/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW15	6/27/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW20	6/27/97	0.8	10	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
4-Methyl-2-pentanone	MW21	6/27/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	3/12/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	3/12/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW11	3/12/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW12	3/12/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW13	3/12/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW15	3/12/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW20	3/12/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW21	3/12/97	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	12/4/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	12/4/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW11	12/4/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW12	12/4/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW13	12/4/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW15	12/4/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW20	12/4/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW21	12/4/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	9/11/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	9/11/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW11	9/11/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW12	9/11/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW13	9/11/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW15	9/11/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW20	9/11/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW21	9/11/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW02B	7/2/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	7/2/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW11	7/2/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW12	7/2/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW13	7/2/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW15	7/2/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW20	7/2/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW21	7/2/96	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW01A	7/22/94	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW02A	7/22/94	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW03	7/22/94	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05	7/22/94	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW06	7/22/94	0.8	10	ND	ug/L
4-Methyl-2-pentanone	MW05A	5/12/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW15	4/26/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW01A	4/25/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW02A	4/25/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW03	4/25/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW05	4/25/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW06	4/25/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW01A	1/31/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW02A	1/31/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW03	1/31/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW05	1/31/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW06	1/31/94	3	10	ND	ug/L
4-Methyl-2-pentanone	MW01A	10/18/93	3	10	ND	ug/L
4-Methyl-2-pentanone	MW02A	10/18/93	3	10	ND	ug/L
4-Methyl-2-pentanone	MW03	10/18/93	3	10	ND	ug/L
4-Methyl-2-pentanone	MW05	10/18/93	3	10	ND	ug/L
4-Methyl-2-pentanone	MW06	10/18/93	3	10	ND	ug/L
4-Methyl-2-pentanone	MW03	7/27/93	3	10	ND	ug/L
4-Methyl-2-pentanone	MW06	7/27/93	3	10	ND	ug/L
4-Methyl-2-pentanone	MW01A	7/26/93	3	10	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
4-Methyl-2-pentanone	MW02A	7/26/93	3	10	ND	ug/L
4-Methyl-2-pentanone	MW05	7/26/93	3	10	ND	ug/L
4-Methylphenol	MW30	3/21/00	10	10	ND	ug/L
4-Methylphenol	MW29A	3/20/00	10	10	ND	ug/L
4-Methylphenol	PZ-26	3/16/00	10	10	ND	ug/L
4-Nitroaniline	MW30	3/21/00	50	50	ND	ug/L
4-Nitroaniline	MW30	3/21/00	50	50	ND	ug/L
4-Nitroaniline	MW29A	3/20/00	50	50	ND	ug/L
4-Nitroaniline	MW29A	3/20/00	50	50	ND	ug/L
4-Nitroaniline	PZ-26	3/16/00	50	50	ND	ug/L
4-Nitroaniline	PZ-26	3/16/00	50	50	ND	ug/L
4-Nitroaniline	MW02A	5/21/92	1	50	ND	ug/L
4-Phenylenediamine	MW30	3/21/00	100	100	ND	ug/L
4-Phenylenediamine	MW29A	3/20/00	100	100	ND	ug/L
4-Phenylenediamine	PZ-26	3/16/00	100	100	ND	ug/L
5-Nitro-o-toluidine	MW30	3/21/00	10	10	ND	ug/L
5-Nitro-o-toluidine	MW29A	3/20/00	10	10	ND	ug/L
5-Nitro-o-toluidine	PZ-26	3/16/00	10	10	ND	ug/L
7,12-Dimethylbenz(a)anthracene	MW30	3/21/00	500	500	ND	ug/L
7,12-Dimethylbenz(a)anthracene	MW29A	3/20/00	500	500	ND	ug/L
7,12-Dimethylbenz(a)anthracene	PZ-26	3/16/00	500	500	ND	ug/L
Acenaphthene	MW30	3/21/00	10	10	ND	ug/L
Acenaphthene	MW30	3/21/00	10	10	ND	ug/L
Acenaphthene	MW29A	3/20/00	10	10	ND	ug/L
Acenaphthene	MW29A	3/20/00	10	10	ND	ug/L
Acenaphthene	PZ-26	3/16/00	10	10	ND	ug/L
Acenaphthene	PZ-26	3/16/00	10	10	ND	ug/L
Acenaphthene	MW02A	5/21/92	1	10	ND	ug/L
Acenaphthene	MW02A	5/21/92	1	10	ND	ug/L
Acetone	PZ-32	7/28/06	34	34	ND	ug/L
Acetone	MW-02C	7/20/06	34	34	ND	ug/L
Acetone	MW-05A	7/20/06	34	34	ND	ug/L
Acetone	MW-11	7/20/06	34	34	ND	ug/L
Acetone	MW-12	7/20/06	34	34	ND	ug/L
Acetone	MW-13	7/20/06	34	34	ND	ug/L
Acetone	MW-15	7/20/06	34	34	ND	ug/L
Acetone	MW-20	7/20/06	34	34	ND	ug/L
Acetone	MW-21	7/20/06	34	34	ND	ug/L
Acetone	PZ-33	7/20/06	34	34	ND	ug/L
Acetone	MW-10	5/12/06	34	34	ND	ug/L
Acetone	PZ-32	5/12/06	34	34	ND	ug/L
Acetone	PZ-32	1/24/06	34	34	ND	ug/L
Acetone	MW-02C	1/19/06	34	34	ND	ug/L
Acetone	MW-05A	1/19/06	34	34	ND	ug/L
Acetone	MW-11	1/19/06	34	34	ND	ug/L
Acetone	MW-12	1/19/06	34	34	ND	ug/L
Acetone	MW-13	1/19/06	34	34	ND	ug/L
Acetone	MW-15	1/19/06	34	34	ND	ug/L
Acetone	MW-20	1/19/06	34	34	ND	ug/L
Acetone	MW-21	1/19/06	34	34	ND	ug/L
Acetone	PZ-33	1/19/06	34	34	ND	ug/L
Acetone	FB-01	11/17/05	34	34	ND	ug/L
Acetone	PZ-30	11/17/05	34	34	ND	ug/L
Acetone	PZ-33	11/17/05	34	34	ND	ug/L
Acetone	TRIP BLANK	11/17/05	34	34	ND	ug/L
Acetone	PZ-29	8/26/05	34	34	ND	ug/L
Acetone	PZ-33	8/26/05	34	34	ND	ug/L
Acetone	MW-02C	8/18/05	34	34	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Acetone	MW-05A	8/18/05	34	34	ND	ug/L
Acetone	MW-11	8/18/05	34	34	ND	ug/L
Acetone	MW-12	8/18/05	34	34	ND	ug/L
Acetone	MW-13	8/18/05	34	34	ND	ug/L
Acetone	MW-15	8/18/05	34	34	ND	ug/L
Acetone	MW-20	8/18/05	34	34	ND	ug/L
Acetone	MW-21	8/18/05	34	34	ND	ug/L
Acetone	MW07	3/23/05	34	34	ND	ug/L
Acetone	MW33	3/23/05	34	34	ND	ug/L
Acetone	PZ-29	3/23/05	34	34	ND	ug/L
Acetone	PZ-30	3/23/05	34	34	ND	ug/L
Acetone	PZ-32	3/23/05	34	34	ND	ug/L
Acetone	PZ-33	3/23/05	40	34		ug/L
Acetone	MW02C	3/17/05	34	34	ND	ug/L
Acetone	MW05A	3/17/05	34	34	ND	ug/L
Acetone	MW11	3/17/05	34	34	ND	ug/L
Acetone	MW12	3/17/05	34	34	ND	ug/L
Acetone	MW13	3/17/05	34	34	ND	ug/L
Acetone	MW15	3/17/05	34	34	ND	ug/L
Acetone	MW20	3/17/05	34	34	ND	ug/L
Acetone	MW21	3/17/05	34	34	ND	ug/L
Acetone	MW02C	9/2/04	34	34	ND	ug/L
Acetone	MW05A	9/2/04	34	34	ND	ug/L
Acetone	MW11	9/2/04	34	34	ND	ug/L
Acetone	MW12	9/2/04	34	34	ND	ug/L
Acetone	MW13	9/2/04	34	34	ND	ug/L
Acetone	MW15	9/2/04	34	34	ND	ug/L
Acetone	MW20	9/2/04	34	34	ND	ug/L
Acetone	MW21	9/2/04	34	34	ND	ug/L
Acetone	PZ-29	5/26/04	34	34	ND	ug/L
Acetone	PZ-33	5/26/04	34	34	ND	ug/L
Acetone	MW33	5/26/04	34	34	ND	ug/L
Acetone	PZ-30	5/26/04	34	34	ND	ug/L
Acetone	PZ-28	4/2/04	34	34	ND	ug/L
Acetone	PZ-29	4/2/04	34	34	ND	ug/L
Acetone	PZ-32	4/2/04	34	34	ND	ug/L
Acetone	PZ-33	4/2/04	34	34	ND	ug/L
Acetone	MW33	4/2/04	34	34	ND	ug/L
Acetone	PZ-30	4/2/04	34	34	ND	ug/L
Acetone	MW11	3/26/04	34	34	ND	ug/L
Acetone	MW21	3/26/04	34	34	ND	ug/L
Acetone	MW13	3/26/04	34	34	ND	ug/L
Acetone	MW02C	3/26/04	34	34	ND	ug/L
Acetone	MW15	3/26/04	34	34	ND	ug/L
Acetone	MW05A	3/26/04	34	34	ND	ug/L
Acetone	MW12	3/26/04	34	34	ND	ug/L
Acetone	MW20	3/26/04	34	34	ND	ug/L
Acetone	PZ-29	12/30/03	34	34	ND	ug/L
Acetone	PZ-33	12/30/03	34	34	ND	ug/L
Acetone	PZ-30	12/30/03	34	34	ND	ug/L
Acetone	PZ-27	12/30/03	34	34	ND	ug/L
Acetone	PZ-29	10/1/03	34	34	ND	ug/L
Acetone	PZ-33	10/1/03	34	34	ND	ug/L
Acetone	PZ-30	10/1/03	34	34	ND	ug/L
Acetone	MW33	10/1/03	34	34	ND	ug/L
Acetone	PZ-32	10/1/03	34	34	ND	ug/L
Acetone	PZ-27	10/1/03	34	34	ND	ug/L
Acetone	MW11	9/24/03	34	34	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Acetone	MW21	9/24/03	34	34	ND	ug/L
Acetone	MW13	9/24/03	34	34	ND	ug/L
Acetone	MW15	9/24/03	34	34	ND	ug/L
Acetone	MW02C	9/24/03	34	34	ND	ug/L
Acetone	MW05A	9/24/03	34	34	ND	ug/L
Acetone	MW12	9/24/03	34	34	ND	ug/L
Acetone	MW20	9/24/03	34	34	ND	ug/L
Acetone	MW33	7/25/03	34	34	ND	ug/L
Acetone	PZ-30	7/25/03	34	34	ND	ug/L
Acetone	MW02C	3/20/03	34	34	ND	ug/L
Acetone	MW12	3/20/03	34	34	ND	ug/L
Acetone	MW11	3/20/03	34	34	ND	ug/L
Acetone	MW15	3/20/03	34	34	ND	ug/L
Acetone	MW13	3/20/03	34	34	ND	ug/L
Acetone	MW20	3/20/03	34	34	ND	ug/L
Acetone	MW21	3/20/03	34	34	ND	ug/L
Acetone	MW05A	3/20/03	34	34	ND	ug/L
Acetone	MW11	9/24/02	34	34	ND	ug/L
Acetone	MW21	9/24/02	34	34	ND	ug/L
Acetone	MW13	9/24/02	34	34	ND	ug/L
Acetone	MW02C	9/24/02	34	34	ND	ug/L
Acetone	MW15	9/24/02	34	34	ND	ug/L
Acetone	MW05A	9/24/02	34	34	ND	ug/L
Acetone	MW12	9/24/02	34	34	ND	ug/L
Acetone	MW20	9/24/02	34	34	ND	ug/L
Acetone	MW11	3/12/02	34	34	ND	ug/L
Acetone	MW21	3/12/02	34	34	ND	ug/L
Acetone	MW13	3/12/02	34	34	ND	ug/L
Acetone	MW02C	3/12/02	34	34	ND	ug/L
Acetone	MW15	3/12/02	34	34	ND	ug/L
Acetone	MW05A	3/12/02	34	34	ND	ug/L
Acetone	MW12	3/12/02	34	34	ND	ug/L
Acetone	MW20	3/12/02	34	34	ND	ug/L
Acetone	MW02C	1/9/02	34	34	ND	ug/L
Acetone	MW11	9/25/01	34	34	ND	ug/L
Acetone	MW21	9/25/01	34	34	ND	ug/L
Acetone	MW13	9/25/01	34	34	ND	ug/L
Acetone	MW02C	9/25/01	34	34	ND	ug/L
Acetone	MW15	9/25/01	34	34	ND	ug/L
Acetone	MW20	9/25/01	34	34	ND	ug/L
Acetone	MW05A	9/25/01	34	34	ND	ug/L
Acetone	MW12	9/25/01	34	34	ND	ug/L
Acetone	MW02C	6/1/01	34	34	ND	ug/L
Acetone	MW11	3/14/01	34	34	ND	ug/L
Acetone	MW21	3/14/01	34	34	ND	ug/L
Acetone	MW13	3/14/01	34	34	ND	ug/L
Acetone	MW02C	3/14/01	34	34	ND	ug/L
Acetone	MW15	3/14/01	34	34	ND	ug/L
Acetone	MW05A	3/14/01	34	34	ND	ug/L
Acetone	MW20	3/14/01	34	34	ND	ug/L
Acetone	MW12	3/14/01	34	34	ND	ug/L
Acetone	MW02C	12/6/00	34	34	ND	ug/L
Acetone	MW11	9/26/00	34	34	ND	ug/L
Acetone	MW12	9/26/00	34	34	ND	ug/L
Acetone	MW20	9/26/00	34	34	ND	ug/L
Acetone	MW02C	9/26/00	34	34	ND	ug/L
Acetone	MW13	9/26/00	34	34	ND	ug/L
Acetone	MW15	9/26/00	34	34	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Acetone	MW05A	9/26/00	34	34	ND	ug/L
Acetone	MW21	9/26/00	34	34	ND	ug/L
Acetone	MW30	3/21/00	100	100	ND	ug/L
Acetone	MW11	3/21/00	34	34	ND	ug/L
Acetone	MW21	3/21/00	34	34	ND	ug/L
Acetone	MW13	3/21/00	34	34	ND	ug/L
Acetone	MW02B	3/21/00	34	34	ND	ug/L
Acetone	MW20	3/21/00	34	34	ND	ug/L
Acetone	MW15	3/21/00	34	34	ND	ug/L
Acetone	MW05A	3/21/00	34	34	ND	ug/L
Acetone	MW12	3/21/00	34	34	ND	ug/L
Acetone	MW29A	3/20/00	100	100	ND	ug/L
Acetone	PZ-26	3/16/00	100	100	ND	ug/L
Acetone	MW13	9/21/99	34	34	ND	ug/L
Acetone	MW15	9/21/99	34	34	ND	ug/L
Acetone	MW05A	9/21/99	34	34	ND	ug/L
Acetone	MW21	9/21/99	34	34	ND	ug/L
Acetone	MW11	9/21/99	34	34	ND	ug/L
Acetone	MW12	9/21/99	34	34	ND	ug/L
Acetone	MW20	9/21/99	34	34	ND	ug/L
Acetone	MW02B	9/21/99	34	34	ND	ug/L
Acetone	MW13	3/17/99	34	34	ND	ug/L
Acetone	MW05A	3/17/99	34	34	ND	ug/L
Acetone	MW15	3/16/99	34	34	ND	ug/L
Acetone	MW21	3/16/99	34	34	ND	ug/L
Acetone	MW12	3/16/99	34	34	ND	ug/L
Acetone	MW20	3/16/99	34	34	ND	ug/L
Acetone	MW02B	3/15/99	34	34	ND	ug/L
Acetone	MW11	3/15/99	34	34	ND	ug/L
Acetone	PZ-26	2/25/99	34	34	ND	ug/L
Acetone	MW06	2/25/99	34	34	ND	ug/L
Acetone	PZ-25	2/25/99	34	34	ND	ug/L
Acetone	MW03	2/25/99	34	34	ND	ug/L
Acetone	MW02B	10/15/98	5	34	ND	ug/L
Acetone	MW05A	10/15/98	5	34	ND	ug/L
Acetone	MW11	10/15/98	5	34	ND	ug/L
Acetone	MW12	10/15/98	5	34	ND	ug/L
Acetone	MW13	10/15/98	5	34	ND	ug/L
Acetone	MW15	10/15/98	5	34	ND	ug/L
Acetone	MW20	10/15/98	5	34	ND	ug/L
Acetone	MW21	10/15/98	5	34	ND	ug/L
Acetone	MW02B	3/12/98	5	34	ND	ug/L
Acetone	MW05A	3/12/98	5	34	ND	ug/L
Acetone	MW11	3/12/98	5	34	ND	ug/L
Acetone	MW12	3/12/98	5	34	ND	ug/L
Acetone	MW13	3/12/98	5	34	ND	ug/L
Acetone	MW15	3/12/98	5	34	ND	ug/L
Acetone	MW20	3/12/98	5	34	ND	ug/L
Acetone	MW21	3/12/98	5	34	ND	ug/L
Acetone	MW02B	12/19/97	5	34	ND	ug/L
Acetone	MW05A	12/19/97	5	34	ND	ug/L
Acetone	MW11	12/19/97	5	34	ND	ug/L
Acetone	MW12	12/19/97	5	34	ND	ug/L
Acetone	MW13	12/19/97	5	34	ND	ug/L
Acetone	MW15	12/19/97	5	34	ND	ug/L
Acetone	MW20	12/19/97	5	34	ND	ug/L
Acetone	MW21	12/19/97	5	34	ND	ug/L
Acetone	MW05A	9/11/97	5	34	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Acetone	MW11	9/11/97	5	34	ND	ug/L
Acetone	MW21	9/11/97	5	34	ND	ug/L
Acetone	MW02B	9/10/97	5	34	ND	ug/L
Acetone	MW12	9/10/97	5	34	ND	ug/L
Acetone	MW13	9/10/97	5	34	ND	ug/L
Acetone	MW15	9/10/97	5	34	ND	ug/L
Acetone	MW20	9/10/97	5	34	ND	ug/L
Acetone	MW02B	6/27/97	5	34	ND	ug/L
Acetone	MW05A	6/27/97	5	34	ND	ug/L
Acetone	MW11	6/27/97	5	34	ND	ug/L
Acetone	MW12	6/27/97	5	34	ND	ug/L
Acetone	MW13	6/27/97	5	34	ND	ug/L
Acetone	MW15	6/27/97	5	34	ND	ug/L
Acetone	MW20	6/27/97	5	34	ND	ug/L
Acetone	MW21	6/27/97	5	34	ND	ug/L
Acetone	MW02B	3/12/97	5	34	ND	ug/L
Acetone	MW05A	3/12/97	5	34	ND	ug/L
Acetone	MW11	3/12/97	5	34	ND	ug/L
Acetone	MW12	3/12/97	5	34	ND	ug/L
Acetone	MW13	3/12/97	5	34	ND	ug/L
Acetone	MW15	3/12/97	5	34	ND	ug/L
Acetone	MW20	3/12/97	5	34	ND	ug/L
Acetone	MW21	3/12/97	5	34	ND	ug/L
Acetone	MW02B	12/4/96	5	34	ND	ug/L
Acetone	MW05A	12/4/96	5	34	ND	ug/L
Acetone	MW11	12/4/96	5	34	ND	ug/L
Acetone	MW12	12/4/96	5	34	ND	ug/L
Acetone	MW13	12/4/96	5	34	ND	ug/L
Acetone	MW15	12/4/96	5	34	ND	ug/L
Acetone	MW20	12/4/96	5	34	ND	ug/L
Acetone	MW21	12/4/96	5	34	ND	ug/L
Acetone	MW02B	9/11/96	5	34	ND	ug/L
Acetone	MW05A	9/11/96	5	34	ND	ug/L
Acetone	MW11	9/11/96	5	34	ND	ug/L
Acetone	MW12	9/11/96	5	34	ND	ug/L
Acetone	MW13	9/11/96	5	34	ND	ug/L
Acetone	MW15	9/11/96	5	34	ND	ug/L
Acetone	MW20	9/11/96	5	34	ND	ug/L
Acetone	MW21	9/11/96	5	34	ND	ug/L
Acetone	MW02B	7/2/96	5	34	ND	ug/L
Acetone	MW05A	7/2/96	5	34	ND	ug/L
Acetone	MW11	7/2/96	5	34	ND	ug/L
Acetone	MW12	7/2/96	5	34	ND	ug/L
Acetone	MW13	7/2/96	5	34	ND	ug/L
Acetone	MW15	7/2/96	5	34	ND	ug/L
Acetone	MW20	7/2/96	5	34	ND	ug/L
Acetone	MW21	7/2/96	5	34	ND	ug/L
Acetone	MW01A	7/22/94	5	34	ND	ug/L
Acetone	MW02A	7/22/94	5	34	ND	ug/L
Acetone	MW03	7/22/94	5	34	ND	ug/L
Acetone	MW05	7/22/94	5	34	ND	ug/L
Acetone	MW06	7/22/94	5	34	ND	ug/L
Acetone	MW05A	5/12/94	6	34	ND	ug/L
Acetone	MW15	4/26/94	6	34	ND	ug/L
Acetone	MW01A	4/25/94	6	34	ND	ug/L
Acetone	MW02A	4/25/94	6	34	ND	ug/L
Acetone	MW03	4/25/94	6	34	ND	ug/L
Acetone	MW05	4/25/94	6	34	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Acetone	MW06	4/25/94	6	34	ND	ug/L
Acetone	MW01A	1/31/94	6	34	ND	ug/L
Acetone	MW02A	1/31/94	6	34	ND	ug/L
Acetone	MW03	1/31/94	6	34	ND	ug/L
Acetone	MW05	1/31/94	6	34	ND	ug/L
Acetone	MW06	1/31/94	6	34	J	ug/L
Acetone	MW01A	10/18/93	6	34	ND	ug/L
Acetone	MW02A	10/18/93	6	34	ND	ug/L
Acetone	MW03	10/18/93	6	34	ND	ug/L
Acetone	MW05	10/18/93	6	34	ND	ug/L
Acetone	MW06	10/18/93	6	34	ND	ug/L
Acetone	MW03	7/27/93	10	34	J	ug/L
Acetone	MW06	7/27/93	7	34	J	ug/L
Acetone	MW01A	7/26/93	6	34	ND	ug/L
Acetone	MW02A	7/26/93	6	34	ND	ug/L
Acetone	MW05	7/26/93	6	34	ND	ug/L
Acetonitrile	MW30	3/21/00	100	100	ND	ug/L
Acetonitrile	MW29A	3/20/00	100	100	ND	ug/L
Acetonitrile	PZ-26	3/16/00	100	100	ND	ug/L
Acetophenone	MW30	3/21/00	10	10	ND	ug/L
Acetophenone	MW29A	3/20/00	10	10	ND	ug/L
Acetophenone	PZ-26	3/16/00	10	10	ND	ug/L
ACIDITY	MW01A	1/31/94	0.4	10	ND	mg/L
ACIDITY	MW02A	1/31/94	19	10		mg/L
ACIDITY	MW03	1/31/94	0.4	10	ND	mg/L
ACIDITY	MW05	1/31/94	0.4	10	ND	mg/L
ACIDITY	MW06	1/31/94	0.4	10	ND	mg/L
ACIDITY	MW01A	10/18/93	0.5	10	J	mg/L
ACIDITY	MW02A	10/18/93	0.4	10	ND	mg/L
ACIDITY	MW03	10/18/93	0.4	10	ND	mg/L
ACIDITY	MW05	10/18/93	0.4	10	ND	mg/L
ACIDITY	MW06	10/18/93	0.4	10	ND	mg/L
ACIDITY	MW03	3/4/93	0.4	10	ND	mg/L
ACIDITY	MW01A	3/3/93	0.4	10	ND	mg/L
ACIDITY	MW02A	3/3/93	0.4	10	ND	mg/L
ACIDITY	MW05	3/3/93	0.4	10	ND	mg/L
ACIDITY	MW06	3/3/93	0.4	10	ND	mg/L
ACIDITY	MW01A	11/23/92	1.6	10	ND	mg/L
ACIDITY	MW02A	11/23/92	1.6	10	ND	mg/L
ACIDITY	MW03	11/23/92	1.6	10	ND	mg/L
ACIDITY	MW05	11/23/92	1.6	10	ND	mg/L
ACIDITY	MW06	11/23/92	1.6	10	ND	mg/L
ACIDITY	MW01A	8/13/92	1.6	10	ND	mg/L
ACIDITY	MW02A	8/13/92	1.6	10	ND	mg/L
ACIDITY	MW03	8/13/92	1.6	10	ND	mg/L
ACIDITY	MW05	8/13/92	1.6	10	ND	mg/L
ACIDITY	MW06	8/13/92	1.6	10	ND	mg/L
ACIDITY	MW03	6/4/92	1.6	10	ND	mg/L
ACIDITY	MW04	6/4/92	1.6	10	ND	mg/L
ACIDITY	MW05	6/3/92	1.6	10	ND	mg/L
ACIDITY	MW06	6/3/92	1.6	10	ND	mg/L
ACIDITY	MW01A	5/21/92	1.6	10	ND	mg/L
ACIDITY	MW02A	5/21/92	1.6	10	ND	mg/L
ACIDITY	MW01A	2/11/92	1.6	10	ND	mg/L
ACIDITY	MW02A	2/11/92	1.6	10	ND	mg/L
ACIDITY	MW03	2/11/92	1.6	10	ND	mg/L
ACIDITY	MW05	2/11/92	1.6	10	ND	mg/L
ACIDITY	MW06	2/11/92	1.6	10	ND	mg/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
ACIDITY	MW01A	10/11/91	1.6	10	ND	mg/L
ACIDITY	MW02A	10/11/91	1.6	10	ND	mg/L
ACIDITY	MW03	10/11/91	1.6	10	ND	mg/L
ACIDITY	MW05	10/11/91	1.6	10	ND	mg/L
ACIDITY	MW06	10/11/91	1.6	10	ND	mg/L
ACIDITY	MW03	8/27/91	1.6	10	ND	mg/L
ACIDITY	MW05	8/27/91	1.6	10	ND	mg/L
ACIDITY	MW06	8/27/91	1.6	10	ND	mg/L
ACIDITY	MW01A	8/26/91	1.6	10	ND	mg/L
ACIDITY	MW02A	8/26/91	1.6	10	ND	mg/L
ACIDITY	MW01A	4/4/91	1.6	10	ND	mg/L
ACIDITY	MW02A	4/4/91	1.6	10	ND	mg/L
ACIDITY	MW03	4/4/91	1.6	10	ND	mg/L
ACIDITY	MW05	4/4/91	1.6	10	ND	mg/L
ACIDITY	MW06	4/4/91	1.6	10	ND	mg/L
ACIDITY	MW01A	1/16/91	1.6	10	ND	mg/L
ACIDITY	MW02A	1/16/91	1.6	10	ND	mg/L
ACIDITY	MW03	1/16/91	1.6	10	ND	mg/L
ACIDITY	MW05	1/16/91	1.6	10	ND	mg/L
ACIDITY	MW06	1/16/91	1.6	10	ND	mg/L
ACIDITY	MW01A	10/16/90	1.6	10	ND	mg/L
ACIDITY	MW02A	10/16/90	1.6	10	ND	mg/L
ACIDITY	MW03	10/16/90	1.6	10	ND	mg/L
ACIDITY	MW05	10/16/90	1.6	10	ND	mg/L
ACIDITY	MW06	10/16/90	1.6	10	ND	mg/L
ACIDITY	MW01A	7/31/90	1.6	10	ND	mg/L
ACIDITY	MW02A	7/31/90	29	10		mg/L
ACIDITY	MW03	7/31/90	1.6	10	ND	mg/L
ACIDITY	MW05	7/31/90	1.6	10	ND	mg/L
ACIDITY	MW06	7/31/90	1.6	10	ND	mg/L
ACIDITY	MW01A	4/17/90	1.6	10	ND	mg/L
ACIDITY	MW02A	4/17/90	1.6	10	ND	mg/L
ACIDITY	MW03	4/17/90	1.6	10	ND	mg/L
ACIDITY	MW05	4/17/90	1.6	10	ND	mg/L
ACIDITY	MW06	4/17/90	1.6	10	ND	mg/L
ACIDITY	MW01A	1/30/90	1.6	10	ND	mg/L
ACIDITY	MW03	1/30/90	1.6	10	ND	mg/L
ACIDITY	MW02A	1/29/90	1.6	10	ND	mg/L
ACIDITY	MW05	1/29/90	1.6	10	ND	mg/L
ACIDITY	MW06	1/29/90	1.6	10	ND	mg/L
ACIDITY	MW01A	2/16/89	5	5	ND	mg/L
ACIDITY	MW02A	2/16/89	5	5	ND	mg/L
ACIDITY	MW03	2/15/89	5	5	ND	mg/L
ACIDITY	MW05	2/15/89	5	5	ND	mg/L
ACIDITY	MW06	2/15/89	5	5	ND	mg/L
ACIDITY	MW01A	2/4/88	5.1	5		mg/L
ACIDITY	MW03	2/4/88	28.8	5		mg/L
ACIDITY	MW05	2/4/88	11.4	5		mg/L
ACIDITY	MW02A	2/3/88	11.4	5		mg/L
ACIDITY	MW06	2/3/88	56.9	5		mg/L
ACIDITY	MW05	7/24/87	14.8	5		mg/L
ACIDITY	MW01A	7/14/87	29.5	5		mg/L
ACIDITY	MW02A	7/14/87	224	5		mg/L
ACIDITY	MW03	7/14/87	461	5		mg/L
ACIDITY	MW06	7/14/87	118	5		mg/L
ACIDITY	MW01A	2/9/87	47	5		mg/L
ACIDITY	MW02A	2/9/87	96	5		mg/L
ACIDITY	MW03	2/9/87	72	5		mg/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
ACIDITY	MW05	2/9/87	68	5		mg/L
ACIDITY	MW06	2/9/87	114	5		mg/L
ACIDITY	MW01A	1/23/86	66	1		mg/L
ACIDITY	MW02A	1/23/86	52	1		mg/L
ACIDITY	MW03	1/23/86	62	1		mg/L
ACIDITY	MW05	1/23/86	33	1		mg/L
ACIDITY	MW06	1/23/86	184	1		mg/L
ACIDITY	MW01A	1/28/85	43	1		mg/L
ACIDITY	MW02A	1/28/85	39	1		mg/L
ACIDITY	MW03	1/28/85	37	1		mg/L
ACIDITY	MW05	1/28/85	29	1		mg/L
ACIDITY	MW06	1/28/85	71	1		mg/L
Acrolein	MW30	3/21/00	100	100	ND	ug/L
Acrolein	MW29A	3/20/00	100	100	ND	ug/L
Acrolein	PZ-26	3/16/00	100	100	ND	ug/L
Acrylonitrile	PZ-32	7/28/06	100	100	ND	ug/L
Acrylonitrile	MW-02C	7/20/06	100	100	ND	ug/L
Acrylonitrile	MW-05A	7/20/06	100	100	ND	ug/L
Acrylonitrile	MW-11	7/20/06	100	100	ND	ug/L
Acrylonitrile	MW-12	7/20/06	100	100	ND	ug/L
Acrylonitrile	MW-13	7/20/06	100	100	ND	ug/L
Acrylonitrile	MW-15	7/20/06	100	100	ND	ug/L
Acrylonitrile	MW-20	7/20/06	100	100	ND	ug/L
Acrylonitrile	MW-21	7/20/06	100	100	ND	ug/L
Acrylonitrile	PZ-33	7/20/06	100	100	ND	ug/L
Acrylonitrile	MW-10	5/12/06	100	100	ND	ug/L
Acrylonitrile	PZ-32	5/12/06	100	100	ND	ug/L
Acrylonitrile	PZ-32	1/24/06	100	100	ND	ug/L
Acrylonitrile	MW-02C	1/19/06	100	100	ND	ug/L
Acrylonitrile	MW-05A	1/19/06	100	100	ND	ug/L
Acrylonitrile	MW-11	1/19/06	100	100	ND	ug/L
Acrylonitrile	MW-12	1/19/06	100	100	ND	ug/L
Acrylonitrile	MW-13	1/19/06	100	100	ND	ug/L
Acrylonitrile	MW-15	1/19/06	100	100	ND	ug/L
Acrylonitrile	MW-20	1/19/06	100	100	ND	ug/L
Acrylonitrile	MW-21	1/19/06	100	100	ND	ug/L
Acrylonitrile	PZ-33	1/19/06	100	100	ND	ug/L
Acrylonitrile	FB-01	11/17/05	100	100	ND	ug/L
Acrylonitrile	PZ-30	11/17/05	100	100	ND	ug/L
Acrylonitrile	PZ-33	11/17/05	100	100	ND	ug/L
Acrylonitrile	TRIP BLANK	11/17/05	100	100	ND	ug/L
Acrylonitrile	PZ-29	8/26/05	100	100	ND	ug/L
Acrylonitrile	PZ-33	8/26/05	100	100	ND	ug/L
Acrylonitrile	MW-02C	8/18/05	100	100	ND	ug/L
Acrylonitrile	MW-05A	8/18/05	100	100	ND	ug/L
Acrylonitrile	MW-11	8/18/05	100	100	ND	ug/L
Acrylonitrile	MW-12	8/18/05	100	100	ND	ug/L
Acrylonitrile	MW-13	8/18/05	100	100	ND	ug/L
Acrylonitrile	MW-15	8/18/05	100	100	ND	ug/L
Acrylonitrile	MW-20	8/18/05	100	100	ND	ug/L
Acrylonitrile	MW-21	8/18/05	100	100	ND	ug/L
Acrylonitrile	MW07	3/23/05	100	100	ND	ug/L
Acrylonitrile	MW33	3/23/05	100	100	ND	ug/L
Acrylonitrile	PZ-29	3/23/05	100	100	ND	ug/L
Acrylonitrile	PZ-30	3/23/05	100	100	ND	ug/L
Acrylonitrile	PZ-32	3/23/05	100	100	ND	ug/L
Acrylonitrile	PZ-33	3/23/05	100	100	ND	ug/L
Acrylonitrile	MW02C	3/17/05	100	100	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Acrylonitrile	MW05A	3/17/05	100	100	ND	ug/L
Acrylonitrile	MW11	3/17/05	100	100	ND	ug/L
Acrylonitrile	MW12	3/17/05	100	100	ND	ug/L
Acrylonitrile	MW13	3/17/05	100	100	ND	ug/L
Acrylonitrile	MW15	3/17/05	100	100	ND	ug/L
Acrylonitrile	MW20	3/17/05	100	100	ND	ug/L
Acrylonitrile	MW21	3/17/05	100	100	ND	ug/L
Acrylonitrile	MW02C	9/2/04	100	100	ND	ug/L
Acrylonitrile	MW05A	9/2/04	100	100	ND	ug/L
Acrylonitrile	MW11	9/2/04	100	100	ND	ug/L
Acrylonitrile	MW12	9/2/04	100	100	ND	ug/L
Acrylonitrile	MW13	9/2/04	100	100	ND	ug/L
Acrylonitrile	MW15	9/2/04	100	100	ND	ug/L
Acrylonitrile	MW20	9/2/04	100	100	ND	ug/L
Acrylonitrile	MW21	9/2/04	100	100	ND	ug/L
Acrylonitrile	PZ-29	5/26/04	100	100	ND	ug/L
Acrylonitrile	PZ-33	5/26/04	100	100	ND	ug/L
Acrylonitrile	MW33	5/26/04	100	100	ND	ug/L
Acrylonitrile	PZ-30	5/26/04	100	100	ND	ug/L
Acrylonitrile	PZ-28	4/2/04	100	100	ND	ug/L
Acrylonitrile	PZ-29	4/2/04	100	100	ND	ug/L
Acrylonitrile	PZ-32	4/2/04	100	100	ND	ug/L
Acrylonitrile	PZ-33	4/2/04	100	100	ND	ug/L
Acrylonitrile	MW33	4/2/04	100	100	ND	ug/L
Acrylonitrile	PZ-30	4/2/04	100	100	ND	ug/L
Acrylonitrile	MW11	3/26/04	100	100	ND	ug/L
Acrylonitrile	MW21	3/26/04	100	100	ND	ug/L
Acrylonitrile	MW13	3/26/04	100	100	ND	ug/L
Acrylonitrile	MW02C	3/26/04	100	100	ND	ug/L
Acrylonitrile	MW15	3/26/04	100	100	ND	ug/L
Acrylonitrile	MW05A	3/26/04	100	100	ND	ug/L
Acrylonitrile	MW12	3/26/04	100	100	ND	ug/L
Acrylonitrile	MW20	3/26/04	100	100	ND	ug/L
Acrylonitrile	PZ-29	12/30/03	100	100	ND	ug/L
Acrylonitrile	PZ-33	12/30/03	100	100	ND	ug/L
Acrylonitrile	PZ-30	12/30/03	100	100	ND	ug/L
Acrylonitrile	PZ-27	12/30/03	100	100	ND	ug/L
Acrylonitrile	PZ-29	10/1/03	100	100	ND	ug/L
Acrylonitrile	PZ-33	10/1/03	100	100	ND	ug/L
Acrylonitrile	PZ-30	10/1/03	100	100	ND	ug/L
Acrylonitrile	MW33	10/1/03	100	100	ND	ug/L
Acrylonitrile	PZ-32	10/1/03	100	100	ND	ug/L
Acrylonitrile	PZ-27	10/1/03	100	100	ND	ug/L
Acrylonitrile	MW11	9/24/03	100	100	ND	ug/L
Acrylonitrile	MW21	9/24/03	100	100	ND	ug/L
Acrylonitrile	MW13	9/24/03	100	100	ND	ug/L
Acrylonitrile	MW15	9/24/03	100	100	ND	ug/L
Acrylonitrile	MW02C	9/24/03	100	100	ND	ug/L
Acrylonitrile	MW05A	9/24/03	100	100	ND	ug/L
Acrylonitrile	MW12	9/24/03	100	100	ND	ug/L
Acrylonitrile	MW20	9/24/03	100	100	ND	ug/L
Acrylonitrile	MW33	7/25/03	100	100	ND	ug/L
Acrylonitrile	PZ-30	7/25/03	100	100	ND	ug/L
Acrylonitrile	MW02C	3/20/03	100	100	ND	ug/L
Acrylonitrile	MW12	3/20/03	100	100	ND	ug/L
Acrylonitrile	MW11	3/20/03	100	100	ND	ug/L
Acrylonitrile	MW15	3/20/03	100	100	ND	ug/L
Acrylonitrile	MW13	3/20/03	100	100	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Acrylonitrile	MW20	3/20/03	100	100	ND	ug/L
Acrylonitrile	MW21	3/20/03	100	100	ND	ug/L
Acrylonitrile	MW05A	3/20/03	100	100	ND	ug/L
Acrylonitrile	MW11	9/24/02	100	100	ND	ug/L
Acrylonitrile	MW21	9/24/02	100	100	ND	ug/L
Acrylonitrile	MW13	9/24/02	100	100	ND	ug/L
Acrylonitrile	MW02C	9/24/02	100	100	ND	ug/L
Acrylonitrile	MW15	9/24/02	100	100	ND	ug/L
Acrylonitrile	MW05A	9/24/02	100	100	ND	ug/L
Acrylonitrile	MW12	9/24/02	100	100	ND	ug/L
Acrylonitrile	MW20	9/24/02	100	100	ND	ug/L
Acrylonitrile	MW11	3/12/02	100	100	ND	ug/L
Acrylonitrile	MW21	3/12/02	100	100	ND	ug/L
Acrylonitrile	MW13	3/12/02	100	100	ND	ug/L
Acrylonitrile	MW02C	3/12/02	100	100	ND	ug/L
Acrylonitrile	MW15	3/12/02	100	100	ND	ug/L
Acrylonitrile	MW05A	3/12/02	100	100	ND	ug/L
Acrylonitrile	MW12	3/12/02	100	100	ND	ug/L
Acrylonitrile	MW20	3/12/02	100	100	ND	ug/L
Acrylonitrile	MW02C	1/9/02	100	100	ND	ug/L
Acrylonitrile	MW11	9/25/01	100	100	ND	ug/L
Acrylonitrile	MW21	9/25/01	100	100	ND	ug/L
Acrylonitrile	MW13	9/25/01	100	100	ND	ug/L
Acrylonitrile	MW02C	9/25/01	100	100	ND	ug/L
Acrylonitrile	MW15	9/25/01	100	100	ND	ug/L
Acrylonitrile	MW20	9/25/01	100	100	ND	ug/L
Acrylonitrile	MW05A	9/25/01	100	100	ND	ug/L
Acrylonitrile	MW12	9/25/01	100	100	ND	ug/L
Acrylonitrile	MW02C	6/1/01	100	100	ND	ug/L
Acrylonitrile	MW11	3/14/01	100	100	ND	ug/L
Acrylonitrile	MW21	3/14/01	100	100	ND	ug/L
Acrylonitrile	MW13	3/14/01	100	100	ND	ug/L
Acrylonitrile	MW02C	3/14/01	100	100	ND	ug/L
Acrylonitrile	MW15	3/14/01	100	100	ND	ug/L
Acrylonitrile	MW05A	3/14/01	100	100	ND	ug/L
Acrylonitrile	MW20	3/14/01	100	100	ND	ug/L
Acrylonitrile	MW12	3/14/01	100	100	ND	ug/L
Acrylonitrile	MW02C	12/6/00	100	100	ND	ug/L
Acrylonitrile	MW11	9/26/00	100	100	ND	ug/L
Acrylonitrile	MW12	9/26/00	100	100	ND	ug/L
Acrylonitrile	MW20	9/26/00	100	100	ND	ug/L
Acrylonitrile	MW02C	9/26/00	100	100	ND	ug/L
Acrylonitrile	MW13	9/26/00	100	100	ND	ug/L
Acrylonitrile	MW15	9/26/00	100	100	ND	ug/L
Acrylonitrile	MW05A	9/26/00	100	100	ND	ug/L
Acrylonitrile	MW21	9/26/00	100	100	ND	ug/L
Acrylonitrile	MW30	3/21/00	100	100	ND	ug/L
Acrylonitrile	MW11	3/21/00	100	100	ND	ug/L
Acrylonitrile	MW21	3/21/00	100	100	ND	ug/L
Acrylonitrile	MW13	3/21/00	100	100	ND	ug/L
Acrylonitrile	MW02B	3/21/00	100	100	ND	ug/L
Acrylonitrile	MW20	3/21/00	100	100	ND	ug/L
Acrylonitrile	MW15	3/21/00	100	100	ND	ug/L
Acrylonitrile	MW05A	3/21/00	100	100	ND	ug/L
Acrylonitrile	MW12	3/21/00	100	100	ND	ug/L
Acrylonitrile	MW29A	3/20/00	100	100	ND	ug/L
Acrylonitrile	PZ-26	3/16/00	100	100	ND	ug/L
Acrylonitrile	MW13	9/21/99	100	100	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Acrylonitrile	MW15	9/21/99	100	100	ND	ug/L
Acrylonitrile	MW05A	9/21/99	100	100	ND	ug/L
Acrylonitrile	MW21	9/21/99	100	100	ND	ug/L
Acrylonitrile	MW11	9/21/99	100	100	ND	ug/L
Acrylonitrile	MW12	9/21/99	100	100	ND	ug/L
Acrylonitrile	MW20	9/21/99	100	100	ND	ug/L
Acrylonitrile	MW02B	9/21/99	100	100	ND	ug/L
Acrylonitrile	MW13	3/17/99	100	100	ND	ug/L
Acrylonitrile	MW05A	3/17/99	100	100	ND	ug/L
Acrylonitrile	MW15	3/16/99	100	100	ND	ug/L
Acrylonitrile	MW21	3/16/99	100	100	ND	ug/L
Acrylonitrile	MW12	3/16/99	100	100	ND	ug/L
Acrylonitrile	MW20	3/16/99	100	100	ND	ug/L
Acrylonitrile	MW02B	3/15/99	100	100	ND	ug/L
Acrylonitrile	MW11	3/15/99	100	100	ND	ug/L
Acrylonitrile	PZ-26	2/25/99	10	10	ND	ug/L
Acrylonitrile	MW06	2/25/99	10	10	ND	ug/L
Acrylonitrile	PZ-25	2/25/99	10	10	ND	ug/L
Acrylonitrile	MW03	2/25/99	10	10	ND	ug/L
Acrylonitrile	MW02B	10/15/98	2	10	ND	ug/L
Acrylonitrile	MW05A	10/15/98	2	10	ND	ug/L
Acrylonitrile	MW11	10/15/98	2	10	ND	ug/L
Acrylonitrile	MW12	10/15/98	2	10	ND	ug/L
Acrylonitrile	MW13	10/15/98	2	10	ND	ug/L
Acrylonitrile	MW15	10/15/98	2	10	ND	ug/L
Acrylonitrile	MW20	10/15/98	2	10	ND	ug/L
Acrylonitrile	MW21	10/15/98	2	10	ND	ug/L
Acrylonitrile	MW02B	3/12/98	2	10	ND	ug/L
Acrylonitrile	MW05A	3/12/98	2	10	ND	ug/L
Acrylonitrile	MW11	3/12/98	2	10	ND	ug/L
Acrylonitrile	MW12	3/12/98	2	10	ND	ug/L
Acrylonitrile	MW13	3/12/98	2	10	ND	ug/L
Acrylonitrile	MW15	3/12/98	2	10	ND	ug/L
Acrylonitrile	MW20	3/12/98	2	10	ND	ug/L
Acrylonitrile	MW21	3/12/98	2	10	ND	ug/L
Acrylonitrile	MW02B	12/19/97	2	10	ND	ug/L
Acrylonitrile	MW05A	12/19/97	2	10	ND	ug/L
Acrylonitrile	MW11	12/19/97	2	10	ND	ug/L
Acrylonitrile	MW12	12/19/97	2	10	ND	ug/L
Acrylonitrile	MW13	12/19/97	2	10	ND	ug/L
Acrylonitrile	MW15	12/19/97	2	10	ND	ug/L
Acrylonitrile	MW20	12/19/97	2	10	ND	ug/L
Acrylonitrile	MW21	12/19/97	2	10	ND	ug/L
Acrylonitrile	MW05A	9/11/97	2	10	ND	ug/L
Acrylonitrile	MW11	9/11/97	2	10	ND	ug/L
Acrylonitrile	MW21	9/11/97	2	10	ND	ug/L
Acrylonitrile	MW02B	9/10/97	2	10	ND	ug/L
Acrylonitrile	MW12	9/10/97	2	10	ND	ug/L
Acrylonitrile	MW13	9/10/97	2	10	ND	ug/L
Acrylonitrile	MW15	9/10/97	2	10	ND	ug/L
Acrylonitrile	MW20	9/10/97	2	10	ND	ug/L
Acrylonitrile	MW02B	6/27/97	2	10	ND	ug/L
Acrylonitrile	MW05A	6/27/97	2	10	ND	ug/L
Acrylonitrile	MW11	6/27/97	2	10	ND	ug/L
Acrylonitrile	MW12	6/27/97	2	10	ND	ug/L
Acrylonitrile	MW13	6/27/97	2	10	ND	ug/L
Acrylonitrile	MW15	6/27/97	2	10	ND	ug/L
Acrylonitrile	MW20	6/27/97	2	10	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Acrylonitrile	MW21	6/27/97	2	10	ND	ug/L
Acrylonitrile	MW02B	3/12/97	2	100	ND	ug/L
Acrylonitrile	MW05A	3/12/97	2	100	ND	ug/L
Acrylonitrile	MW11	3/12/97	2	100	ND	ug/L
Acrylonitrile	MW12	3/12/97	2	100	ND	ug/L
Acrylonitrile	MW13	3/12/97	2	100	ND	ug/L
Acrylonitrile	MW15	3/12/97	2	100	ND	ug/L
Acrylonitrile	MW20	3/12/97	2	100	ND	ug/L
Acrylonitrile	MW21	3/12/97	2	100	ND	ug/L
Acrylonitrile	MW02B	12/4/96	2	100	ND	ug/L
Acrylonitrile	MW05A	12/4/96	2	100	ND	ug/L
Acrylonitrile	MW11	12/4/96	2	100	ND	ug/L
Acrylonitrile	MW12	12/4/96	2	100	ND	ug/L
Acrylonitrile	MW13	12/4/96	2	100	ND	ug/L
Acrylonitrile	MW15	12/4/96	2	100	ND	ug/L
Acrylonitrile	MW20	12/4/96	2	100	ND	ug/L
Acrylonitrile	MW21	12/4/96	2	100	ND	ug/L
Acrylonitrile	MW02B	9/11/96	2	100	ND	ug/L
Acrylonitrile	MW05A	9/11/96	2	100	ND	ug/L
Acrylonitrile	MW11	9/11/96	2	100	ND	ug/L
Acrylonitrile	MW12	9/11/96	2	100	ND	ug/L
Acrylonitrile	MW13	9/11/96	2	100	ND	ug/L
Acrylonitrile	MW15	9/11/96	2	100	ND	ug/L
Acrylonitrile	MW20	9/11/96	2	100	ND	ug/L
Acrylonitrile	MW21	9/11/96	2	100	ND	ug/L
Acrylonitrile	MW02B	7/2/96	2	100	ND	ug/L
Acrylonitrile	MW05A	7/2/96	2	100	ND	ug/L
Acrylonitrile	MW11	7/2/96	2	100	ND	ug/L
Acrylonitrile	MW12	7/2/96	2	100	ND	ug/L
Acrylonitrile	MW13	7/2/96	2	100	ND	ug/L
Acrylonitrile	MW15	7/2/96	2	100	ND	ug/L
Acrylonitrile	MW20	7/2/96	2	100	ND	ug/L
Acrylonitrile	MW21	7/2/96	2	100	ND	ug/L
Acrylonitrile	MW01A	7/22/94	2	100	ND	ug/L
Acrylonitrile	MW02A	7/22/94	2	100	ND	ug/L
Acrylonitrile	MW03	7/22/94	2	100	ND	ug/L
Acrylonitrile	MW05	7/22/94	2	100	ND	ug/L
Acrylonitrile	MW06	7/22/94	2	100	ND	ug/L
Acrylonitrile	MW05A	5/12/94	10	100	ND	ug/L
Acrylonitrile	MW15	4/26/94	10	100	ND	ug/L
Acrylonitrile	MW01A	4/25/94	10	100	ND	ug/L
Acrylonitrile	MW02A	4/25/94	10	100	ND	ug/L
Acrylonitrile	MW03	4/25/94	10	100	ND	ug/L
Acrylonitrile	MW05	4/25/94	10	100	ND	ug/L
Acrylonitrile	MW06	4/25/94	10	100	ND	ug/L
Acrylonitrile	MW01A	1/31/94	10	100	ND	ug/L
Acrylonitrile	MW02A	1/31/94	10	100	ND	ug/L
Acrylonitrile	MW03	1/31/94	10	100	ND	ug/L
Acrylonitrile	MW05	1/31/94	10	100	ND	ug/L
Acrylonitrile	MW06	1/31/94	10	100	ND	ug/L
Acrylonitrile	MW01A	10/18/93	10	100	ND	ug/L
Acrylonitrile	MW02A	10/18/93	10	100	ND	ug/L
Acrylonitrile	MW03	10/18/93	10	100	ND	ug/L
Acrylonitrile	MW05	10/18/93	10	100	ND	ug/L
Acrylonitrile	MW06	10/18/93	10	100	ND	ug/L
Acrylonitrile	MW03	7/27/93	10	100	ND	ug/L
Acrylonitrile	MW06	7/27/93	10	100	ND	ug/L
Acrylonitrile	MW01A	7/26/93	10	100	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Acrylonitrile	MW02A	7/26/93	10	100	ND	ug/L
Acrylonitrile	MW05	7/26/93	10	100	ND	ug/L
Actual Volume Purged	MW12	3/12/02	17	0		Gal
Actual Volume Purged	MW02C	1/9/02	9	0		Gal
Actual Volume Purged	MW15	3/29/01	14	0		Gal
Actual Volume Purged	MW15	3/29/01	14	0		Gal
Actual Volume Purged	MW11	3/14/01	7.5	0		Gal
Actual Volume Purged	MW11	3/14/01	7.5	0		Gal
Actual Volume Purged	MW21	3/14/01	7	0		Gal
Actual Volume Purged	MW21	3/14/01	7	0		Gal
Actual Volume Purged	MW13	3/14/01	20.5	0		Gal
Actual Volume Purged	MW13	3/14/01	20.5	0		Gal
Actual Volume Purged	MW02C	3/14/01	7.5	0		Gal
Actual Volume Purged	MW02C	3/14/01	7.5	0		Gal
Actual Volume Purged	MW15	3/14/01	14	0		Gal
Actual Volume Purged	MW15	3/14/01	14	0		Gal
Actual Volume Purged	MW05A	3/14/01	15.5	0		Gal
Actual Volume Purged	MW05A	3/14/01	15.5	0		Gal
Actual Volume Purged	MW20	3/14/01	7.5	0		Gal
Actual Volume Purged	MW20	3/14/01	7.5	0		Gal
Actual Volume Purged	MW12	3/14/01	19	0		Gal
Actual Volume Purged	MW12	3/14/01	19	0		Gal
Actual Volume Purged	MW02C	9/26/00	6.5	0		Gal
Actual Volume Purged	MW05A	9/26/00	13	0		Gal
Actual Volume Purged	MW11	9/26/00	7	0		Gal
Actual Volume Purged	MW12	9/26/00	13.5	0		Gal
Actual Volume Purged	MW13	9/26/00	19	0		Gal
Actual Volume Purged	MW15	9/26/00	11.5	0		Gal
Actual Volume Purged	MW20	9/26/00	6.5	0		Gal
Actual Volume Purged	MW21	9/26/00	5	0		Gal
Actual Volume Purged	MW02B	3/21/00	13	0		Gal
Actual Volume Purged	MW05A	3/21/00	14	0		Gal
Actual Volume Purged	MW11	3/21/00	8	0		Gal
Actual Volume Purged	MW12	3/21/00	15	0		Gal
Actual Volume Purged	MW13	3/21/00	20	0		Gal
Actual Volume Purged	MW15	3/21/00	13	0		Gal
Actual Volume Purged	MW20	3/21/00	7	0		Gal
Actual Volume Purged	MW21	3/21/00	5	0		Gal
Actual Volume Purged	MW02B	9/21/99	14	0		Gal
Actual Volume Purged	MW05A	9/21/99	14.5	0		Gal
Actual Volume Purged	MW11	9/21/99	7	0		Gal
Actual Volume Purged	MW13	9/21/99	18.5	0		Gal
Actual Volume Purged	MW15	9/21/99	11.5	0		Gal
Actual Volume Purged	MW20	9/21/99	6	0		Gal
Actual Volume Purged	MW21	9/21/99	4.5	0		Gal
Actual Volume Purged	MW12	6/7/99	15.5	0		Gal
Actual Volume Purged	MW20	6/7/99	6.5	0		Gal
Actual Volume Purged	MW05A	3/17/99	15.5	0		Gal
Actual Volume Purged	MW13	3/17/99	20	0		Gal
Actual Volume Purged	MW12	3/16/99	16.5	0		Gal
Actual Volume Purged	MW15	3/16/99	12.5	0		Gal
Actual Volume Purged	MW20	3/16/99	6.5	0		Gal
Actual Volume Purged	MW21	3/16/99	6	0		Gal
Actual Volume Purged	MW02B	3/15/99	13	0		Gal
Actual Volume Purged	MW11	3/15/99	6	0		Gal
Actual Volume Purged	MW03	2/25/99	11.5	0		Gal
Actual Volume Purged	PZ-25	2/25/99	9	0		Gal
Actual Volume Purged	PZ-26	2/25/99	12	0		Gal

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Actual Volume Purged	MW02B	10/15/98	13.5	0		Gal
Actual Volume Purged	MW05A	10/15/98	14.5	0		Gal
Actual Volume Purged	MW11	10/15/98	8	0		Gal
Actual Volume Purged	MW12	10/15/98	17.5	0		Gal
Actual Volume Purged	MW13	10/15/98	18.5	0		Gal
Actual Volume Purged	MW15	10/15/98	15	0		Gal
Actual Volume Purged	MW20	10/15/98	6.5	0		Gal
Actual Volume Purged	MW21	10/15/98	5	0		Gal
Actual Volume Purged	MW02B	3/12/98	11	0		Gal
Actual Volume Purged	MW05A	3/12/98	14	0		Gal
Actual Volume Purged	MW11	3/12/98	8.5	0		Gal
Actual Volume Purged	MW12	3/12/98	17.5	0		Gal
Actual Volume Purged	MW13	3/12/98	18.5	0		Gal
Actual Volume Purged	MW15	3/12/98	14.5	0		Gal
Actual Volume Purged	MW20	3/12/98	6.5	0		Gal
Actual Volume Purged	MW21	3/12/98	7	0		Gal
Actual Volume Purged	MW02B	12/19/97	10	0		Gal
Actual Volume Purged	MW05A	12/19/97	16	0		Gal
Actual Volume Purged	MW11	12/19/97	7	0		Gal
Actual Volume Purged	MW12	12/19/97	20	0		Gal
Actual Volume Purged	MW13	12/19/97	20	0		Gal
Actual Volume Purged	MW15	12/19/97	16	0		Gal
Actual Volume Purged	MW20	12/19/97	10.5	0		Gal
Actual Volume Purged	MW21	12/19/97	7.5	0		Gal
Actual Volume Purged	MW05A	9/11/97	13	0		Gal
Actual Volume Purged	MW11	9/11/97	8.5	0		Gal
Actual Volume Purged	MW21	9/11/97	6	0		Gal
Actual Volume Purged	MW02B	9/10/97	11.5	0		Gal
Actual Volume Purged	MW12	9/10/97	13.5	0		Gal
Actual Volume Purged	MW13	9/10/97	16.5	0		Gal
Actual Volume Purged	MW15	9/10/97	14	0		Gal
Actual Volume Purged	MW20	9/10/97	7	0		Gal
Actual Volume Purged	MW02B	6/27/97	11	0		Gal
Actual Volume Purged	MW05A	6/27/97	12.5	0		Gal
Actual Volume Purged	MW11	6/27/97	10	0		Gal
Actual Volume Purged	MW12	6/27/97	13	0		Gal
Actual Volume Purged	MW13	6/27/97	16	0		Gal
Actual Volume Purged	MW15	6/27/97	12	0		Gal
Actual Volume Purged	MW20	6/27/97	6	0		Gal
Actual Volume Purged	MW21	6/27/97	9	0		Gal
Actual Volume Purged	MW02B	3/12/97	12	0		Gal
Actual Volume Purged	MW05A	3/12/97	13	0		Gal
Actual Volume Purged	MW11	3/12/97	8.5	0		Gal
Actual Volume Purged	MW12	3/12/97	14.5	0		Gal
Actual Volume Purged	MW13	3/12/97	18	0		Gal
Actual Volume Purged	MW15	3/12/97	12.5	0		Gal
Actual Volume Purged	MW20	3/12/97	6	0		Gal
Actual Volume Purged	MW21	3/12/97	5.5	0		Gal
Actual Volume Purged	MW02B	12/4/96	11	0		Gal
Actual Volume Purged	MW05A	12/4/96	12.5	0		Gal
Actual Volume Purged	MW11	12/4/96	8	0		Gal
Actual Volume Purged	MW12	12/4/96	13	0		Gal
Actual Volume Purged	MW13	12/4/96	16.5	0		Gal
Actual Volume Purged	MW15	12/4/96	12	0		Gal
Actual Volume Purged	MW20	12/4/96	6.3	0		Gal
Actual Volume Purged	MW21	12/4/96	5	0		Gal
Actual Volume Purged	MW02B	9/11/96	10.5	0		Gal
Actual Volume Purged	MW05A	9/11/96	13.5	0		Gal

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Actual Volume Purged	MW11	9/11/96	7	0		Gal
Actual Volume Purged	MW12	9/11/96	14	0		Gal
Actual Volume Purged	MW13	9/11/96	18	0		Gal
Actual Volume Purged	MW15	9/11/96	12.5	0		Gal
Actual Volume Purged	MW20	9/11/96	6	0		Gal
Actual Volume Purged	MW21	9/11/96	5	0		Gal
Actual Volume Purged	MW02B	7/2/96	2.5	0		Gal
Actual Volume Purged	MW05A	7/2/96	13	0		Gal
Actual Volume Purged	MW11	7/2/96	5.5	0		Gal
Actual Volume Purged	MW12	7/2/96	7	0		Gal
Actual Volume Purged	MW13	7/2/96	14	0		Gal
Actual Volume Purged	MW15	7/2/96	13	0		Gal
Actual Volume Purged	MW20	7/2/96	0.7	0		Gal
Actual Volume Purged	MW21	7/2/96	6	0		Gal
Actual Volume Purged	MW01A	9/12/95	13.5	0		Gal
Actual Volume Purged	MW02A	9/12/95	20	0		Gal
Actual Volume Purged	MW03	9/12/95	15	0		Gal
Actual Volume Purged	MW06	9/12/95	10.5	0		Gal
Actual Volume Purged	MW01A	3/20/95	13.1	0		Gal
Actual Volume Purged	MW02A	3/20/95	20	0		Gal
Actual Volume Purged	MW03	3/20/95	22	0		Gal
Actual Volume Purged	MW06	3/20/95	10.2	0		Gal
Actual Volume Purged	MW01A	7/22/94	13.8	0		Gal
Actual Volume Purged	MW02A	7/22/94	20	0		Gal
Actual Volume Purged	MW03	7/22/94	28.7	0		Gal
Actual Volume Purged	MW05	7/22/94	13.5	0		Gal
Actual Volume Purged	MW06	7/22/94	10	0		Gal
Aldrin	MW30	3/21/00	0.05	0.05	ND	ug/L
Aldrin	MW29A	3/20/00	0.05	0.05	ND	ug/L
Aldrin	PZ-26	3/16/00	0.05	0.05	ND	ug/L
Alkalinity, Bicarbonate (as CaCO3)	MW03	3/4/93	627	8		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW01A	3/3/93	194	8		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW02A	3/3/93	213	8		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW05	3/3/93	416	8		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW06	3/3/93	564	8		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW01A	7/15/91	194	8		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW02A	7/15/91	218	8		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW03	7/15/91	596	8		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW05	7/15/91	348	8		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW06	7/15/91	542	8		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW01A	2/16/89	220	5		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW02A	2/16/89	260	5		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW03	2/15/89	560	5		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW05	2/15/89	330	5		mg/L
Alkalinity, Bicarbonate (as CaCO3)	MW06	2/15/89	610	5		mg/L
Alkalinity, Total	PZ-33	5/26/04	170	5		mg/L
Alkalinity, Total	PZ-29	4/2/04	320	5		mg/L
Alkalinity, Total	PZ-33	4/2/04	140	5		mg/L
Alkalinity, Total	MW11	3/26/04	400	5		mg/L
Alkalinity, Total	MW21	3/26/04	910	5		mg/L
Alkalinity, Total	MW13	3/26/04	360	5		mg/L
Alkalinity, Total	MW02C	3/26/04	120	5		mg/L
Alkalinity, Total	MW15	3/26/04	330	5		mg/L
Alkalinity, Total	MW05A	3/26/04	370	5		mg/L
Alkalinity, Total	MW12	3/26/04	370	5		mg/L
Alkalinity, Total	MW20	3/26/04	280	5		mg/L
Alkalinity, Total	PZ-33	12/30/03	190	5		mg/L
Alkalinity, Total	PZ-33	10/1/03	200	5		mg/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Alkalinity, Total	PZ-30	10/1/03	340	5		mg/L
Alkalinity, Total	MW11	9/24/03	940	5		mg/L
Alkalinity, Total	MW21	9/24/03	420	5		mg/L
Alkalinity, Total	MW13	9/24/03	360	5		mg/L
Alkalinity, Total	MW15	9/24/03	350	5		mg/L
Alkalinity, Total	MW02C	9/24/03	120	5		mg/L
Alkalinity, Total	MW05A	9/24/03	380	5		mg/L
Alkalinity, Total	MW12	9/24/03	420	5		mg/L
Alkalinity, Total	MW20	9/24/03	270	5		mg/L
Alkalinity, Total	MW02C	5/15/03	100	5		mg/L
Alkalinity, Total	MW02C	3/20/03	540	5		mg/L
Alkalinity, Total	MW12	3/20/03	520	5		mg/L
Alkalinity, Total	MW11	3/20/03	910	5		mg/L
Alkalinity, Total	MW15	3/20/03	310	5		mg/L
Alkalinity, Total	MW13	3/20/03	370	5		mg/L
Alkalinity, Total	MW20	3/20/03	290	5		mg/L
Alkalinity, Total	MW21	3/20/03	370	5		mg/L
Alkalinity, Total	MW05A	3/20/03	380	5		mg/L
Alkalinity, Total	MW11	9/24/02	940	5		mg/L
Alkalinity, Total	MW21	9/24/02	440	5		mg/L
Alkalinity, Total	MW13	9/24/02	360	5		mg/L
Alkalinity, Total	MW02C	9/24/02	300	5		mg/L
Alkalinity, Total	MW15	9/24/02	340	5		mg/L
Alkalinity, Total	MW05A	9/24/02	390	5		mg/L
Alkalinity, Total	MW12	9/24/02	370	5		mg/L
Alkalinity, Total	MW20	9/24/02	300	5		mg/L
Alkalinity, Total	MW11	3/12/02	938	5		mg/L
Alkalinity, Total	MW21	3/12/02	414	5		mg/L
Alkalinity, Total	MW13	3/12/02	376	5		mg/L
Alkalinity, Total	MW02C	3/12/02	246	5		mg/L
Alkalinity, Total	MW15	3/12/02	327	5		mg/L
Alkalinity, Total	MW05A	3/12/02	398	5		mg/L
Alkalinity, Total	MW12	3/12/02	438	5		mg/L
Alkalinity, Total	MW20	3/12/02	307	5		mg/L
Alkalinity, Total	MW02C	1/9/02	256	5		mg/L
Alkalinity, Total	MW11	9/25/01	940	5		mg/L
Alkalinity, Total	MW21	9/25/01	404	5		mg/L
Alkalinity, Total	MW13	9/25/01	381	5		mg/L
Alkalinity, Total	MW02C	9/25/01	231	5		mg/L
Alkalinity, Total	MW15	9/25/01	329	5		mg/L
Alkalinity, Total	MW20	9/25/01	276	5		mg/L
Alkalinity, Total	MW05A	9/25/01	401	5		mg/L
Alkalinity, Total	MW12	9/25/01	373	5		mg/L
Alkalinity, Total	MW02C	6/1/01	254	5		mg/L
Alkalinity, Total	MW11	3/14/01	931	5		mg/L
Alkalinity, Total	MW21	3/14/01	421	5		mg/L
Alkalinity, Total	MW13	3/14/01	379	5		mg/L
Alkalinity, Total	MW02C	3/14/01	253	5		mg/L
Alkalinity, Total	MW15	3/14/01	339	5		mg/L
Alkalinity, Total	MW05A	3/14/01	407	5		mg/L
Alkalinity, Total	MW20	3/14/01	301	5		mg/L
Alkalinity, Total	MW12	3/14/01	436	5		mg/L
Alkalinity, Total	MW02C	12/6/00	205	5		mg/L
Alkalinity, Total	MW11	9/26/00	888	5		mg/L
Alkalinity, Total	MW12	9/26/00	352	5		mg/L
Alkalinity, Total	MW20	9/26/00	299	5		mg/L
Alkalinity, Total	MW02C	9/26/00	163	5		mg/L
Alkalinity, Total	MW13	9/26/00	349	5		mg/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Alkalinity, Total	MW15	9/26/00	327	5		mg/L
Alkalinity, Total	MW05A	9/26/00	367	5		mg/L
Alkalinity, Total	MW21	9/26/00	406	5		mg/L
Alkalinity, Total	MW11	3/21/00	843	5		mg/L
Alkalinity, Total	MW21	3/21/00	409	5		mg/L
Alkalinity, Total	MW13	3/21/00	349	5		mg/L
Alkalinity, Total	MW02B	3/21/00	259	5		mg/L
Alkalinity, Total	MW20	3/21/00	262	5		mg/L
Alkalinity, Total	MW15	3/21/00	320	5		mg/L
Alkalinity, Total	MW05A	3/21/00	358	5		mg/L
Alkalinity, Total	MW12	3/21/00	331	5		mg/L
Alkalinity, Total	MW13	9/21/99	362	5		mg/L
Alkalinity, Total	MW15	9/21/99	323	5		mg/L
Alkalinity, Total	MW05A	9/21/99	370	5		mg/L
Alkalinity, Total	MW21	9/21/99	418	5		mg/L
Alkalinity, Total	MW11	9/21/99	888	5		mg/L
Alkalinity, Total	MW12	9/21/99	347	5		mg/L
Alkalinity, Total	MW20	9/21/99	276	5		mg/L
Alkalinity, Total	MW02B	9/21/99	263	5		mg/L
Alkalinity, Total	MW13	3/17/99	357	5		mg/L
Alkalinity, Total	MW05A	3/17/99	380	5		mg/L
Alkalinity, Total	MW15	3/16/99	329	5		mg/L
Alkalinity, Total	MW21	3/16/99	404	5		mg/L
Alkalinity, Total	MW12	3/16/99	350	5		mg/L
Alkalinity, Total	MW20	3/16/99	278	5		mg/L
Alkalinity, Total	MW02B	3/15/99	279	5		mg/L
Alkalinity, Total	MW11	3/15/99	879	5		mg/L
Alkalinity, Total (As CaCO3)	MW-02C	8/2/06	300	5		mg/L
Alkalinity, Total (As CaCO3)	MW-05A	8/2/06	380	5		mg/L
Alkalinity, Total (As CaCO3)	MW-11	8/2/06	910	5		mg/L
Alkalinity, Total (As CaCO3)	MW-12	8/2/06	370	5		mg/L
Alkalinity, Total (As CaCO3)	MW-13	8/2/06	360	5		mg/L
Alkalinity, Total (As CaCO3)	MW-15	8/2/06	350	5		mg/L
Alkalinity, Total (As CaCO3)	MW-20	8/2/06	270	5		mg/L
Alkalinity, Total (As CaCO3)	MW-21	8/2/06	420	5		mg/L
Alkalinity, Total (As CaCO3)	PZ-32	7/28/06	270	5		mg/L
Alkalinity, Total (As CaCO3)	MW-02C	7/20/06	200	5		mg/L
Alkalinity, Total (As CaCO3)	MW-05A	7/20/06	410	5		mg/L
Alkalinity, Total (As CaCO3)	MW-11	7/20/06	930	5		mg/L
Alkalinity, Total (As CaCO3)	MW-12	7/20/06	380	5		mg/L
Alkalinity, Total (As CaCO3)	MW-13	7/20/06	380	5		mg/L
Alkalinity, Total (As CaCO3)	MW-15	7/20/06	330	5		mg/L
Alkalinity, Total (As CaCO3)	MW-20	7/20/06	270	5		mg/L
Alkalinity, Total (As CaCO3)	MW-21	7/20/06	420	5		mg/L
Alkalinity, Total (As CaCO3)	PZ-33	7/20/06	290	5		mg/L
Alkalinity, Total (As CaCO3)	PZ-32	5/12/06	290	5		mg/L
Alkalinity, Total (As CaCO3)	MW-02C	1/19/06	210	5		mg/L
Alkalinity, Total (As CaCO3)	MW-05A	1/19/06	360	5		mg/L
Alkalinity, Total (As CaCO3)	MW-11	1/19/06	920	5		mg/L
Alkalinity, Total (As CaCO3)	MW-12	1/19/06	400	5		mg/L
Alkalinity, Total (As CaCO3)	MW-13	1/19/06	370	5		mg/L
Alkalinity, Total (As CaCO3)	MW-15	1/19/06	330	5		mg/L
Alkalinity, Total (As CaCO3)	MW-20	1/19/06	280	5		mg/L
Alkalinity, Total (As CaCO3)	MW-21	1/19/06	430	5		mg/L
Alkalinity, Total (As CaCO3)	PZ-33	1/19/06	300	5		mg/L
Alkalinity, Total (As CaCO3)	FB-01	11/17/05	5	5	ND	mg/L
Alkalinity, Total (As CaCO3)	PZ-33	11/17/05	300	5		mg/L
Alkalinity, Total (As CaCO3)	PZ-29	8/26/05	330	5		mg/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Alkalinity, Total (As CaCO3)	PZ-33	8/26/05	270	5		mg/L
Alkalinity, Total (As CaCO3)	MW-02C	8/18/05	200	5		mg/L
Alkalinity, Total (As CaCO3)	MW-05A	8/18/05	380	5		mg/L
Alkalinity, Total (As CaCO3)	MW-11	8/18/05	890	5		mg/L
Alkalinity, Total (As CaCO3)	MW-12	8/18/05	490	5		mg/L
Alkalinity, Total (As CaCO3)	MW-13	8/18/05	370	5		mg/L
Alkalinity, Total (As CaCO3)	MW-15	8/18/05	310	5		mg/L
Alkalinity, Total (As CaCO3)	MW-20	8/18/05	290	5		mg/L
Alkalinity, Total (As CaCO3)	MW-21	8/18/05	400	5		mg/L
Alkalinity, Total (As CaCO3)	PZ-29	3/23/05	340	5		mg/L
Alkalinity, Total (As CaCO3)	PZ-33	3/23/05	240	5		mg/L
Alkalinity, Total (As CaCO3)	MW02C	3/17/05	170	5		mg/L
Alkalinity, Total (As CaCO3)	MW05A	3/17/05	380	5		mg/L
Alkalinity, Total (As CaCO3)	MW11	3/17/05	910	5		mg/L
Alkalinity, Total (As CaCO3)	MW12	3/17/05	530	5		mg/L
Alkalinity, Total (As CaCO3)	MW13	3/17/05	380	5		mg/L
Alkalinity, Total (As CaCO3)	MW15	3/17/05	340	5		mg/L
Alkalinity, Total (As CaCO3)	MW20	3/17/05	330	5		mg/L
Alkalinity, Total (As CaCO3)	MW21	3/17/05	400	5		mg/L
Alkalinity, Total (As CaCO3)	MW02C	9/2/04	88	5		mg/L
Alkalinity, Total (As CaCO3)	MW05A	9/2/04	380	5		mg/L
Alkalinity, Total (As CaCO3)	MW11	9/2/04	930	5		mg/L
Alkalinity, Total (As CaCO3)	MW12	9/2/04	430	5		mg/L
Alkalinity, Total (As CaCO3)	MW13	9/2/04	360	5		mg/L
Alkalinity, Total (As CaCO3)	MW15	9/2/04	330	5		mg/L
Alkalinity, Total (As CaCO3)	MW21	9/2/04	420	5		mg/L
Alkalinity, Total (As CaCO3)	MW02B	10/15/98	295	5		mg/L
Alkalinity, Total (As CaCO3)	MW05A	10/15/98	394	5		mg/L
Alkalinity, Total (As CaCO3)	MW11	10/15/98	970	5		mg/L
Alkalinity, Total (As CaCO3)	MW12	10/15/98	392	5		mg/L
Alkalinity, Total (As CaCO3)	MW13	10/15/98	378	5		mg/L
Alkalinity, Total (As CaCO3)	MW15	10/15/98	368	5		mg/L
Alkalinity, Total (As CaCO3)	MW20	10/15/98	301	5		mg/L
Alkalinity, Total (As CaCO3)	MW21	10/15/98	453	5		mg/L
Alkalinity, Total (As CaCO3)	MW02B	3/12/98	275	5		mg/L
Alkalinity, Total (As CaCO3)	MW05A	3/12/98	374	5		mg/L
Alkalinity, Total (As CaCO3)	MW11	3/12/98	893	5		mg/L
Alkalinity, Total (As CaCO3)	MW12	3/12/98	376	5		mg/L
Alkalinity, Total (As CaCO3)	MW13	3/12/98	357	5		mg/L
Alkalinity, Total (As CaCO3)	MW15	3/12/98	344	5		mg/L
Alkalinity, Total (As CaCO3)	MW20	3/12/98	294	5		mg/L
Alkalinity, Total (As CaCO3)	MW21	3/12/98	409	5		mg/L
Alkalinity, Total (As CaCO3)	MW02B	12/19/97	273	5		mg/L
Alkalinity, Total (As CaCO3)	MW05A	12/19/97	379	5		mg/L
Alkalinity, Total (As CaCO3)	MW11	12/19/97	939	5		mg/L
Alkalinity, Total (As CaCO3)	MW12	12/19/97	361	5		mg/L
Alkalinity, Total (As CaCO3)	MW13	12/19/97	375	5		mg/L
Alkalinity, Total (As CaCO3)	MW15	12/19/97	360	5		mg/L
Alkalinity, Total (As CaCO3)	MW20	12/19/97	300	5		mg/L
Alkalinity, Total (As CaCO3)	MW21	12/19/97	423	5		mg/L
Alkalinity, Total (As CaCO3)	MW05A	9/11/97	397	5		mg/L
Alkalinity, Total (As CaCO3)	MW11	9/11/97	942	5		mg/L
Alkalinity, Total (As CaCO3)	MW21	9/11/97	439	5		mg/L
Alkalinity, Total (As CaCO3)	MW02B	9/10/97	281	5		mg/L
Alkalinity, Total (As CaCO3)	MW12	9/10/97	387	5		mg/L
Alkalinity, Total (As CaCO3)	MW13	9/10/97	379	5		mg/L
Alkalinity, Total (As CaCO3)	MW15	9/10/97	356	5		mg/L
Alkalinity, Total (As CaCO3)	MW20	9/10/97	286	5		mg/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Alkalinity, Total (As CaCO3)	MW02B	6/27/97	287	5		mg/L
Alkalinity, Total (As CaCO3)	MW05A	6/27/97	407	5		mg/L
Alkalinity, Total (As CaCO3)	MW11	6/27/97	954	5		mg/L
Alkalinity, Total (As CaCO3)	MW12	6/27/97	391	5		mg/L
Alkalinity, Total (As CaCO3)	MW13	6/27/97	385	5		mg/L
Alkalinity, Total (As CaCO3)	MW15	6/27/97	355	5		mg/L
Alkalinity, Total (As CaCO3)	MW20	6/27/97	291	5		mg/L
Alkalinity, Total (As CaCO3)	MW21	6/27/97	438	5		mg/L
Alkalinity, Total (As CaCO3)	MW02B	3/12/97	267	1		mg/L
Alkalinity, Total (As CaCO3)	MW05A	3/12/97	382	1		mg/L
Alkalinity, Total (As CaCO3)	MW11	3/12/97	894	1		mg/L
Alkalinity, Total (As CaCO3)	MW12	3/12/97	349	1		mg/L
Alkalinity, Total (As CaCO3)	MW13	3/12/97	366	1		mg/L
Alkalinity, Total (As CaCO3)	MW15	3/12/97	354	1		mg/L
Alkalinity, Total (As CaCO3)	MW20	3/12/97	280	1		mg/L
Alkalinity, Total (As CaCO3)	MW21	3/12/97	312	1		mg/L
Alkalinity, Total (As CaCO3)	MW02B	12/4/96	279	1		mg/L
Alkalinity, Total (As CaCO3)	MW05A	12/4/96	381	1		mg/L
Alkalinity, Total (As CaCO3)	MW11	12/4/96	945	1		mg/L
Alkalinity, Total (As CaCO3)	MW12	12/4/96	353	1		mg/L
Alkalinity, Total (As CaCO3)	MW13	12/4/96	380	1		mg/L
Alkalinity, Total (As CaCO3)	MW15	12/4/96	376	1		mg/L
Alkalinity, Total (As CaCO3)	MW20	12/4/96	290	1		mg/L
Alkalinity, Total (As CaCO3)	MW21	12/4/96	386	1		mg/L
Alkalinity, Total (As CaCO3)	MW02B	9/11/96	280	1		mg/L
Alkalinity, Total (As CaCO3)	MW05A	9/11/96	396	1		mg/L
Alkalinity, Total (As CaCO3)	MW11	9/11/96	947	1		mg/L
Alkalinity, Total (As CaCO3)	MW12	9/11/96	349	1		mg/L
Alkalinity, Total (As CaCO3)	MW13	9/11/96	385	1		mg/L
Alkalinity, Total (As CaCO3)	MW15	9/11/96	392	1		mg/L
Alkalinity, Total (As CaCO3)	MW20	9/11/96	281	1		mg/L
Alkalinity, Total (As CaCO3)	MW21	9/11/96	465	1		mg/L
Alkalinity, Total (As CaCO3)	MW02B	7/2/96	271	1		mg/L
Alkalinity, Total (As CaCO3)	MW05A	7/2/96	384	1		mg/L
Alkalinity, Total (As CaCO3)	MW11	7/2/96	926	1		mg/L
Alkalinity, Total (As CaCO3)	MW12	7/2/96	378	1		mg/L
Alkalinity, Total (As CaCO3)	MW13	7/2/96	372	1		mg/L
Alkalinity, Total (As CaCO3)	MW15	7/2/96	368	1		mg/L
Alkalinity, Total (As CaCO3)	MW20	7/2/96	260	1		mg/L
Alkalinity, Total (As CaCO3)	MW21	7/2/96	422	1		mg/L
Alkalinity, Total (As CaCO3)	MW01A	1/31/94	197	0.4		mg/L
Alkalinity, Total (As CaCO3)	MW02A	1/31/94	245	0.4		mg/L
Alkalinity, Total (As CaCO3)	MW03	1/31/94	688	0.4		mg/L
Alkalinity, Total (As CaCO3)	MW05	1/31/94	554	0.4		mg/L
Alkalinity, Total (As CaCO3)	MW06	1/31/94	594	0.4		mg/L
Alkalinity, Total (As CaCO3)	MW01A	10/18/93	193	1		mg/L
Alkalinity, Total (As CaCO3)	MW02A	10/18/93	211	1		mg/L
Alkalinity, Total (As CaCO3)	MW03	10/18/93	689	1		mg/L
Alkalinity, Total (As CaCO3)	MW05	10/18/93	640	1		mg/L
Alkalinity, Total (As CaCO3)	MW06	10/18/93	567	1		mg/L
Alkalinity, Total (As CaCO3)	MW03	3/4/93	618	0.4		mg/L
Alkalinity, Total (As CaCO3)	MW03	3/4/93	10	10	ND	mg/L
Alkalinity, Total (As CaCO3)	MW01A	3/3/93	194	0.4		mg/L
Alkalinity, Total (As CaCO3)	MW01A	3/3/93	10	10	ND	mg/L
Alkalinity, Total (As CaCO3)	MW02A	3/3/93	213	0.4		mg/L
Alkalinity, Total (As CaCO3)	MW02A	3/3/93	10	10	ND	mg/L
Alkalinity, Total (As CaCO3)	MW05	3/3/93	416	0.4		mg/L
Alkalinity, Total (As CaCO3)	MW05	3/3/93	10	10	ND	mg/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Alkalinity, Total (As CaCO3)	MW06	3/3/93	564	0.4		mg/L
Alkalinity, Total (As CaCO3)	MW06	3/3/93	10	10	ND	mg/L
Alkalinity, Total (As CaCO3)	MW01A	11/23/92	199	1		mg/L
Alkalinity, Total (As CaCO3)	MW02A	11/23/92	232	1		mg/L
Alkalinity, Total (As CaCO3)	MW03	11/23/92	492	1		mg/L
Alkalinity, Total (As CaCO3)	MW05	11/23/92	406	1		mg/L
Alkalinity, Total (As CaCO3)	MW06	11/23/92	581	1		mg/L
Alkalinity, Total (As CaCO3)	MW01A	8/13/92	180	1		mg/L
Alkalinity, Total (As CaCO3)	MW02A	8/13/92	231	1		mg/L
Alkalinity, Total (As CaCO3)	MW03	8/13/92	578	1		mg/L
Alkalinity, Total (As CaCO3)	MW05	8/13/92	371	1		mg/L
Alkalinity, Total (As CaCO3)	MW06	8/13/92	548	1		mg/L
Alkalinity, Total (As CaCO3)	MW03	6/4/92	512	1		mg/L
Alkalinity, Total (As CaCO3)	MW04	6/4/92	2040	1		mg/L
Alkalinity, Total (As CaCO3)	MW05	6/3/92	385	1		mg/L
Alkalinity, Total (As CaCO3)	MW06	6/3/92	569	1		mg/L
Alkalinity, Total (As CaCO3)	MW01A	5/21/92	188	1		mg/L
Alkalinity, Total (As CaCO3)	MW02A	5/21/92	243	1		mg/L
Alkalinity, Total (As CaCO3)	MW01A	2/11/92	198	1		mg/L
Alkalinity, Total (As CaCO3)	MW02A	2/11/92	218	1		mg/L
Alkalinity, Total (As CaCO3)	MW03	2/11/92	622	1		mg/L
Alkalinity, Total (As CaCO3)	MW05	2/11/92	403	1		mg/L
Alkalinity, Total (As CaCO3)	MW06	2/11/92	587	1		mg/L
Alkalinity, Total (As CaCO3)	MW01A	10/11/91	213	10		mg/L
Alkalinity, Total (As CaCO3)	MW02A	10/11/91	224	10		mg/L
Alkalinity, Total (As CaCO3)	MW03	10/11/91	601	10		mg/L
Alkalinity, Total (As CaCO3)	MW05	10/11/91	417	10		mg/L
Alkalinity, Total (As CaCO3)	MW06	10/11/91	615	20		mg/L
Alkalinity, Total (As CaCO3)	MW03	8/27/91	471	1		mg/L
Alkalinity, Total (As CaCO3)	MW05	8/27/91	385	1		mg/L
Alkalinity, Total (As CaCO3)	MW06	8/27/91	563	1		mg/L
Alkalinity, Total (As CaCO3)	MW01A	8/26/91	193	1		mg/L
Alkalinity, Total (As CaCO3)	MW02A	8/26/91	188	1		mg/L
Alkalinity, Total (As CaCO3)	MW01A	7/15/91	10	10	ND	mg/L
Alkalinity, Total (As CaCO3)	MW02A	7/15/91	10	10	ND	mg/L
Alkalinity, Total (As CaCO3)	MW03	7/15/91	10	10	ND	mg/L
Alkalinity, Total (As CaCO3)	MW05	7/15/91	10	10	ND	mg/L
Alkalinity, Total (As CaCO3)	MW06	7/15/91	10	10	ND	mg/L
Alkalinity, Total (As CaCO3)	MW01A	4/4/91	216	10		mg/L
Alkalinity, Total (As CaCO3)	MW02A	4/4/91	237	10		mg/L
Alkalinity, Total (As CaCO3)	MW03	4/4/91	623	20		mg/L
Alkalinity, Total (As CaCO3)	MW05	4/4/91	353	10		mg/L
Alkalinity, Total (As CaCO3)	MW06	4/4/91	585	20		mg/L
Alkalinity, Total (As CaCO3)	MW01A	1/16/91	197	10		mg/L
Alkalinity, Total (As CaCO3)	MW02A	1/16/91	213	10		mg/L
Alkalinity, Total (As CaCO3)	MW03	1/16/91	745	20		mg/L
Alkalinity, Total (As CaCO3)	MW05	1/16/91	355	10		mg/L
Alkalinity, Total (As CaCO3)	MW06	1/16/91	564	20		mg/L
Alkalinity, Total (As CaCO3)	MW01A	10/16/90	219	10		mg/L
Alkalinity, Total (As CaCO3)	MW02A	10/16/90	245	10		mg/L
Alkalinity, Total (As CaCO3)	MW03	10/16/90	543	10		mg/L
Alkalinity, Total (As CaCO3)	MW05	10/16/90	369	10		mg/L
Alkalinity, Total (As CaCO3)	MW06	10/16/90	517	10		mg/L
Alkalinity, Total (As CaCO3)	MW01A	7/31/90	199	10		mg/L
Alkalinity, Total (As CaCO3)	MW02A	7/31/90	242	10		mg/L
Alkalinity, Total (As CaCO3)	MW03	7/31/90	604	50		mg/L
Alkalinity, Total (As CaCO3)	MW05	7/31/90	350	10		mg/L
Alkalinity, Total (As CaCO3)	MW06	7/31/90	366	50		mg/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Alkalinity, Total (As CaCO3)	MW01A	4/17/90	212.07	10		mg/L
Alkalinity, Total (As CaCO3)	MW02A	4/17/90	241.85	10		mg/L
Alkalinity, Total (As CaCO3)	MW03	4/17/90	554.62	10		mg/L
Alkalinity, Total (As CaCO3)	MW05	4/17/90	356.42	10		mg/L
Alkalinity, Total (As CaCO3)	MW06	4/17/90	546.94	10		mg/L
Alkalinity, Total (As CaCO3)	MW01A	1/30/90	224.27	10		mg/L
Alkalinity, Total (As CaCO3)	MW03	1/30/90	592.1	20		mg/L
Alkalinity, Total (As CaCO3)	MW02A	1/29/90	252.48	10		mg/L
Alkalinity, Total (As CaCO3)	MW05	1/29/90	350.72	10		mg/L
Alkalinity, Total (As CaCO3)	MW06	1/29/90	519.34	10		mg/L
Alkalinity, Total (As CaCO3)	MW01A	2/16/89	220	5		mg/L
Alkalinity, Total (As CaCO3)	MW01A	2/16/89	5	5	ND	mg/L
Alkalinity, Total (As CaCO3)	MW02A	2/16/89	260	5		mg/L
Alkalinity, Total (As CaCO3)	MW02A	2/16/89	5	5	ND	mg/L
Alkalinity, Total (As CaCO3)	MW03	2/15/89	560	5		mg/L
Alkalinity, Total (As CaCO3)	MW03	2/15/89	5	5	ND	mg/L
Alkalinity, Total (As CaCO3)	MW05	2/15/89	330	5		mg/L
Alkalinity, Total (As CaCO3)	MW05	2/15/89	5	5	ND	mg/L
Alkalinity, Total (As CaCO3)	MW06	2/15/89	610	5		mg/L
Alkalinity, Total (As CaCO3)	MW06	2/15/89	5	5	ND	mg/L
Alkalinity, Total (As CaCO3)	MW01A	2/4/88	471	5		mg/L
Alkalinity, Total (As CaCO3)	MW03	2/4/88	1110	5		mg/L
Alkalinity, Total (As CaCO3)	MW05	2/4/88	707	5		mg/L
Alkalinity, Total (As CaCO3)	MW02A	2/3/88	588	5		mg/L
Alkalinity, Total (As CaCO3)	MW06	2/3/88	1140	5		mg/L
Alkalinity, Total (As CaCO3)	MW05	7/24/87	300	5		mg/L
Alkalinity, Total (As CaCO3)	MW01A	7/14/87	212	5		mg/L
Alkalinity, Total (As CaCO3)	MW02A	7/14/87	18.4	5		mg/L
Alkalinity, Total (As CaCO3)	MW03	7/14/87	29.5	5		mg/L
Alkalinity, Total (As CaCO3)	MW06	7/14/87	536	5		mg/L
Alkalinity, Total (As CaCO3)	MW01A	2/9/87	225	5		mg/L
Alkalinity, Total (As CaCO3)	MW02A	2/9/87	239	5		mg/L
Alkalinity, Total (As CaCO3)	MW03	2/9/87	593	5		mg/L
Alkalinity, Total (As CaCO3)	MW05	2/9/87	343	5		mg/L
Alkalinity, Total (As CaCO3)	MW06	2/9/87	562	5		mg/L
Alkalinity, Total (As CaCO3)	MW01A	1/23/86	229	1		mg/L
Alkalinity, Total (As CaCO3)	MW02A	1/23/86	227	1		mg/L
Alkalinity, Total (As CaCO3)	MW03	1/23/86	315	1		mg/L
Alkalinity, Total (As CaCO3)	MW05	1/23/86	437	1		mg/L
Alkalinity, Total (As CaCO3)	MW06	1/23/86	565	1		mg/L
Alkalinity, Total (As CaCO3)	MW01A	1/28/85	259	1		mg/L
Alkalinity, Total (As CaCO3)	MW02A	1/28/85	240	1		mg/L
Alkalinity, Total (As CaCO3)	MW03	1/28/85	299	1		mg/L
Alkalinity, Total (As CaCO3)	MW05	1/28/85	387	1		mg/L
Alkalinity, Total (As CaCO3)	MW06	1/28/85	630	1		mg/L
Alkalinity,Phenolphthalein (as CaCO	MW03	3/4/93	6	6	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW01A	3/3/93	6	6	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW02A	3/3/93	6	6	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW05	3/3/93	6	6	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW06	3/3/93	6	6	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW01A	7/15/91	6	10	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW02A	7/15/91	6	10	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW03	7/15/91	6	10	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW05	7/15/91	6	10	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW06	7/15/91	6	10	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW01A	2/16/89	5	5	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW02A	2/16/89	5	5	ND	mg/L
Alkalinity,Phenolphthalein (as CaCO	MW03	2/15/89	5	5	ND	mg/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Alkalinity,Phenolphthalein (as CaCO	MW06	2/15/89	5	5	ND	mg/L
Allyl chloride	MW30	3/21/00	5	5	ND	ug/L
Allyl chloride	MW29A	3/20/00	5	5	ND	ug/L
Allyl chloride	PZ-26	3/16/00	5	5	ND	ug/L
alpha,alpha-Dimethylphenethylamine	MW30	3/21/00	100	100	ND	ug/L
alpha,alpha-Dimethylphenethylamine	MW29A	3/20/00	100	100	ND	ug/L
alpha,alpha-Dimethylphenethylamine	PZ-26	3/16/00	100	100	ND	ug/L
alpha-BHC	MW30	3/21/00	0.05	0.05	ND	ug/L
alpha-BHC	MW29A	3/20/00	0.05	0.05	ND	ug/L
alpha-BHC	PZ-26	3/16/00	0.05	0.05	ND	ug/L
Ammonia	MW-02C	8/2/06	0.3	0.05		mg/L
Ammonia	MW-05A	8/2/06	0.57	0.05		mg/L
Ammonia	MW-11	8/2/06	0.79	0.05		mg/L
Ammonia	MW-12	8/2/06	0.33	0.05		mg/L
Ammonia	MW-13	8/2/06	0.58	0.05		mg/L
Ammonia	MW-15	8/2/06	0.29	0.05		mg/L
Ammonia	MW-20	8/2/06	0.056	0.05		mg/L
Ammonia	MW-21	8/2/06	0.05	0.05	ND	mg/L
Ammonia	PZ-32	7/28/06	0.27	0.04		mg/L
Ammonia	MW-02C	7/20/06	0.094	0.04		mg/L
Ammonia	MW-05A	7/20/06	0.46	0.04		mg/L
Ammonia	MW-11	7/20/06	0.83	0.04		mg/L
Ammonia	MW-12	7/20/06	0.19	0.04		mg/L
Ammonia	MW-13	7/20/06	0.42	0.04		mg/L
Ammonia	MW-15	7/20/06	0.22	0.04		mg/L
Ammonia	MW-20	7/20/06	0.04	0.04	ND	mg/L
Ammonia	MW-21	7/20/06	0.05	0.04		mg/L
Ammonia	PZ-33	7/20/06	0.61	0.04		mg/L
Ammonia	PZ-32	5/12/06	0.04	0.04	ND	mg/L
Ammonia	MW-02C	1/19/06	0.18	0.04		mg/L
Ammonia	MW-05A	1/19/06	0.19	0.04		mg/L
Ammonia	MW-11	1/19/06	0.95	0.04		mg/L
Ammonia	MW-12	1/19/06	0.14	0.04		mg/L
Ammonia	MW-13	1/19/06	0.53	0.04		mg/L
Ammonia	MW-15	1/19/06	0.19	0.04		mg/L
Ammonia	MW-20	1/19/06	0.071	0.04		mg/L
Ammonia	MW-21	1/19/06	0.061	0.04		mg/L
Ammonia	PZ-33	1/19/06	0.52	0.04		mg/L
Ammonia	FB-01	11/17/05	0.04	0.04	ND	mg/L
Ammonia	PZ-33	11/17/05	0.5	0.04		mg/L
Ammonia	PZ-29	8/26/05	0.21	0.04		mg/L
Ammonia	PZ-33	8/26/05	0.46	0.04		mg/L
Ammonia	MW-02C	8/18/05	0.14	0.04		mg/L
Ammonia	MW-05A	8/18/05	0.3	0.04		mg/L
Ammonia	MW-11	8/18/05	0.71	0.04		mg/L
Ammonia	MW-12	8/18/05	0.13	0.04		mg/L
Ammonia	MW-13	8/18/05	0.4	0.04		mg/L
Ammonia	MW-15	8/18/05	0.16	0.04		mg/L
Ammonia	MW-20	8/18/05	0.072	0.04		mg/L
Ammonia	MW-21	8/18/05	0.04	0.04	ND	mg/L
Ammonia as N	PZ-29	3/23/05	0.072	0.04		mg/L
Ammonia as N	PZ-33	3/23/05	0.44	0.04		mg/L
Ammonia as N	MW02C	3/17/05	0.39	0.04		mg/L
Ammonia as N	MW05A	3/17/05	0.58	0.04		mg/L
Ammonia as N	MW11	3/17/05	0.87	0.04		mg/L
Ammonia as N	MW12	3/17/05	0.26	0.04		mg/L
Ammonia as N	MW13	3/17/05	0.61	0.04		mg/L
Ammonia as N	MW15	3/17/05	0.25	0.04		mg/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Ammonia as N	MW20	3/17/05	0.12	0.04		mg/L
Ammonia as N	MW21	3/17/05	0.04	0.04	ND	mg/L
Ammonia as N	MW02C	9/2/04	0.2	0.04		mg/L
Ammonia as N	MW05A	9/2/04	0.44	0.04		mg/L
Ammonia as N	MW11	9/2/04	0.8	0.04		mg/L
Ammonia as N	MW12	9/2/04	0.14	0.04		mg/L
Ammonia as N	MW13	9/2/04	0.37	0.04		mg/L
Ammonia as N	MW15	9/2/04	0.23	0.04		mg/L
Ammonia as N	MW20	9/2/04	0.05	0.04		mg/L
Ammonia as N	MW21	9/2/04	0.04	0.04	ND	mg/L
Ammonia as N	PZ-29	5/26/04	0.18	0.04		mg/L
Ammonia as N	PZ-33	5/26/04	1.2	0.04		mg/L
Ammonia as N	PZ-29	4/2/04	0.34	0.04		mg/L
Ammonia as N	PZ-33	4/2/04	1.4	0.04		mg/L
Ammonia as N	MW33	4/2/04	0.04	0.04	ND	mg/L
Ammonia as N	PZ-30	4/2/04	0.92	0.04		mg/L
Ammonia as N	MW11	3/26/04	0.048	0.04		mg/L
Ammonia as N	MW21	3/26/04	0.73	0.04		mg/L
Ammonia as N	MW13	3/26/04	0.39	0.04		mg/L
Ammonia as N	MW02C	3/26/04	0.11	0.04		mg/L
Ammonia as N	MW15	3/26/04	0.2	0.04		mg/L
Ammonia as N	MW05A	3/26/04	0.4	0.04		mg/L
Ammonia as N	MW12	3/26/04	0.2	0.04		mg/L
Ammonia as N	MW20	3/26/04	0.048	0.04		mg/L
Ammonia as N	PZ-33	12/30/03	2.3	0.04		mg/L
Ammonia as N	PZ-33	10/1/03	1.6	0.04		mg/L
Ammonia as N	PZ-30	10/1/03	0.9	0.04		mg/L
Ammonia as N	MW33	10/1/03	0.11	0.04		mg/L
Ammonia as N	PZ-32	10/1/03	0.59	0.04		mg/L
Ammonia as N	MW11	9/24/03	0.77	0.04		mg/L
Ammonia as N	MW21	9/24/03	0.057	0.04		mg/L
Ammonia as N	MW13	9/24/03	0.74	0.04		mg/L
Ammonia as N	MW15	9/24/03	0.32	0.04		mg/L
Ammonia as N	MW02C	9/24/03	0.48	0.04		mg/L
Ammonia as N	MW05A	9/24/03	0.58	0.04		mg/L
Ammonia as N	MW12	9/24/03	0.42	0.04		mg/L
Ammonia as N	MW20	9/24/03	0.11	0.04		mg/L
Ammonia as N	PZ-30	7/25/03	1.5	0.04		mg/L
Ammonia as N	MW13	4/25/03	0.11	0.04		mg/L
Ammonia as N	MW02C	3/20/03	0.18	0.04		mg/L
Ammonia as N	MW12	3/20/03	0.04	0.04	ND	mg/L
Ammonia as N	MW11	3/20/03	0.35	0.04		mg/L
Ammonia as N	MW15	3/20/03	0.04	0.04	ND	mg/L
Ammonia as N	MW20	3/20/03	0.058	0.04		mg/L
Ammonia as N	MW21	3/20/03	0.04	0.04	ND	mg/L
Ammonia as N	MW05A	3/20/03	0.04	0.04	ND	mg/L
Ammonia as N	MW11	9/24/02	0.81	0.031		mg/L
Ammonia as N	MW21	9/24/02	0.064	0.031		mg/L
Ammonia as N	MW13	9/24/02	0.53	0.031		mg/L
Ammonia as N	MW02C	9/24/02	0.41	0.031		mg/L
Ammonia as N	MW15	9/24/02	0.84	0.031		mg/L
Ammonia as N	MW05A	9/24/02	0.39	0.031		mg/L
Ammonia as N	MW12	9/24/02	0.46	0.031		mg/L
Ammonia as N	MW20	9/24/02	0.17	0.031		mg/L
Ammonia as N	MW11	3/12/02	0.85	0.031		mg/L
Ammonia as N	MW21	3/12/02	0.031	0.031	ND	mg/L
Ammonia as N	MW13	3/12/02	0.47	0.031		mg/L
Ammonia as N	MW02C	3/12/02	0.3	0.031		mg/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Ammonia as N	MW15	3/12/02	0.52	0.031		mg/L
Ammonia as N	MW05A	3/12/02	0.49	0.031		mg/L
Ammonia as N	MW12	3/12/02	0.24	0.031		mg/L
Ammonia as N	MW20	3/12/02	0.069	0.031		mg/L
Ammonia as N	MW02C	1/9/02	0.57	0.031		mg/L
Ammonia as N	MW11	9/25/01	0.59	0.031		mg/L
Ammonia as N	MW21	9/25/01	0.11	0.031		mg/L
Ammonia as N	MW13	9/25/01	0.39	0.031		mg/L
Ammonia as N	MW02C	9/25/01	0.45	0.031		mg/L
Ammonia as N	MW15	9/25/01	0.21	0.031		mg/L
Ammonia as N	MW20	9/25/01	0.11	0.031		mg/L
Ammonia as N	MW05A	9/25/01	0.43	0.031		mg/L
Ammonia as N	MW12	9/25/01	0.16	0.031		mg/L
Ammonia as N	MW02C	6/1/01	0.51	0.031		mg/L
Ammonia as N	MW11	3/14/01	0.53	0.031	J	mg/L
Ammonia as N	MW21	3/14/01	0.051	0.031	J	mg/L
Ammonia as N	MW13	3/14/01	0.4	0.031	J	mg/L
Ammonia as N	MW02C	3/14/01	0.54	0.031	J	mg/L
Ammonia as N	MW05A	3/14/01	0.42	0.031	J	mg/L
Ammonia as N	MW20	3/14/01	0.13	0.031	J	mg/L
Ammonia as N	MW12	3/14/01	0.08	0.031	J	mg/L
Ammonia as N	MW02C	12/6/00	0.7	0.031		mg/L
Ammonia as N	MW11	9/26/00	0.58	0.03	J	mg/L
Ammonia as N	MW12	9/26/00	0.27	0.03	J	mg/L
Ammonia as N	MW20	9/26/00	0.096	0.03	J	mg/L
Ammonia as N	MW02C	9/26/00	0.51	0.03	J	mg/L
Ammonia as N	MW13	9/26/00	0.36	0.03	J	mg/L
Ammonia as N	MW15	9/26/00	0.3	0.03	J	mg/L
Ammonia as N	MW05A	9/26/00	0.44	0.03	J	mg/L
Ammonia as N	MW21	9/26/00	0.069	0.03	J	mg/L
Ammonia as N	MW11	3/21/00	0.67	0.03	J	mg/L
Ammonia as N	MW21	3/21/00	0.03	0.03	ND	mg/L
Ammonia as N	MW13	3/21/00	0.4	0.03	J	mg/L
Ammonia as N	MW02B	3/21/00	0.32	0.03		mg/L
Ammonia as N	MW20	3/21/00	0.12	0.03	J	mg/L
Ammonia as N	MW15	3/21/00	0.36	0.03	J	mg/L
Ammonia as N	MW05A	3/21/00	0.4	0.03	J	mg/L
Ammonia as N	MW12	3/21/00	0.18	0.03	J	mg/L
Ammonia as N	MW13	9/21/99	0.23	0.03		mg/L
Ammonia as N	MW15	9/21/99	0.19	0.03		mg/L
Ammonia as N	MW05A	9/21/99	0.34	0.03		mg/L
Ammonia as N	MW21	9/21/99	0.03	0.03	ND	mg/L
Ammonia as N	MW11	9/21/99	0.49	0.03		mg/L
Ammonia as N	MW12	9/21/99	0.042	0.03		mg/L
Ammonia as N	MW20	9/21/99	0.03	0.03	ND	mg/L
Ammonia as N	MW02B	9/21/99	0.03	0.03	ND	mg/L
Ammonia as N	MW13	3/17/99	0.39	0.02		mg/L
Ammonia as N	MW05A	3/17/99	0.69	0.02		mg/L
Ammonia as N	MW15	3/16/99	0.43	0.02		mg/L
Ammonia as N	MW21	3/16/99	0.02	0.02	ND	mg/L
Ammonia as N	MW12	3/16/99	0.41	0.02		mg/L
Ammonia as N	MW20	3/16/99	0.11	0.02		mg/L
Ammonia as N	MW02B	3/15/99	0.36	0.02		mg/L
Ammonia as N	MW11	3/15/99	0.84	0.02		mg/L
Ammonia as N	MW02B	10/15/98	0.2	0.02		mg/L
Ammonia as N	MW05A	10/15/98	0.45	0.02		mg/L
Ammonia as N	MW11	10/15/98	0.59	0.02		mg/L
Ammonia as N	MW12	10/15/98	0.14	0.02		mg/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Ammonia as N	MW13	10/15/98	0.31	0.02		mg/L
Ammonia as N	MW15	10/15/98	0.62	0.02		mg/L
Ammonia as N	MW20	10/15/98	0.06	0.02		mg/L
Ammonia as N	MW21	10/15/98	0.02	0.02	ND	mg/L
Ammonia as N	MW02B	3/12/98	0.02	0.02	ND	mg/L
Ammonia as N	MW05A	3/12/98	0.55	0.02		mg/L
Ammonia as N	MW11	3/12/98	0.58	0.02		mg/L
Ammonia as N	MW12	3/12/98	0.11	0.02		mg/L
Ammonia as N	MW13	3/12/98	0.02	0.02		mg/L
Ammonia as N	MW15	3/12/98	0.34	0.02		mg/L
Ammonia as N	MW20	3/12/98	0.12	0.02		mg/L
Ammonia as N	MW21	3/12/98	0.03	0.02		mg/L
Ammonia as N	MW02B	12/19/97	0.02	0.02		mg/L
Ammonia as N	MW05A	12/19/97	0.08	0.02		mg/L
Ammonia as N	MW11	12/19/97	0.79	0.02		mg/L
Ammonia as N	MW12	12/19/97	0.03	0.02		mg/L
Ammonia as N	MW13	12/19/97	0.23	0.02		mg/L
Ammonia as N	MW15	12/19/97	0.27	0.02		mg/L
Ammonia as N	MW20	12/19/97	0.02	0.02		mg/L
Ammonia as N	MW21	12/19/97	0.02	0.02		mg/L
Ammonia as N	MW05A	9/11/97	0.57	0.02		mg/L
Ammonia as N	MW11	9/11/97	0.84	0.02		mg/L
Ammonia as N	MW21	9/11/97	0.06	0.02		mg/L
Ammonia as N	MW02B	9/10/97	0.3	0.02		mg/L
Ammonia as N	MW12	9/10/97	0.32	0.02		mg/L
Ammonia as N	MW13	9/10/97	0.55	0.02		mg/L
Ammonia as N	MW15	9/10/97	0.29	0.02		mg/L
Ammonia as N	MW20	9/10/97	0.17	0.02		mg/L
Ammonia as N	MW02B	6/27/97	0.35	0.02		mg/L
Ammonia as N	MW05A	6/27/97	0.22	0.02		mg/L
Ammonia as N	MW11	6/27/97	0.67	0.02		mg/L
Ammonia as N	MW12	6/27/97	0.12	0.02		mg/L
Ammonia as N	MW13	6/27/97	0.02	0.02	ND	mg/L
Ammonia as N	MW15	6/27/97	0.13	0.02		mg/L
Ammonia as N	MW20	6/27/97	0.02	0.02	ND	mg/L
Ammonia as N	MW21	6/27/97	0.02	0.02	ND	mg/L
Ammonia as N	MW02B	3/12/97	0.32	0.02		mg/L
Ammonia as N	MW05A	3/12/97	0.58	0.02		mg/L
Ammonia as N	MW11	3/12/97	0.65	0.02		mg/L
Ammonia as N	MW12	3/12/97	0.41	0.02		mg/L
Ammonia as N	MW13	3/12/97	0.38	0.02		mg/L
Ammonia as N	MW15	3/12/97	0.49	0.02		mg/L
Ammonia as N	MW20	3/12/97	0.15	0.02		mg/L
Ammonia as N	MW21	3/12/97	0.02	0.02	ND	mg/L
Ammonia as N	MW02B	12/4/96	0.31	0.02		mg/L
Ammonia as N	MW05A	12/4/96	0.56	0.02		mg/L
Ammonia as N	MW11	12/4/96	0.73	0.02		mg/L
Ammonia as N	MW12	12/4/96	0.34	0.02		mg/L
Ammonia as N	MW13	12/4/96	0.52	0.02		mg/L
Ammonia as N	MW15	12/4/96	0.57	0.02		mg/L
Ammonia as N	MW20	12/4/96	0.15	0.02		mg/L
Ammonia as N	MW21	12/4/96	0.06	0.02		mg/L
Ammonia as N	MW02B	9/11/96	0.38	0.02		mg/L
Ammonia as N	MW05A	9/11/96	0.6	0.02		mg/L
Ammonia as N	MW11	9/11/96	0.48	0.02		mg/L
Ammonia as N	MW12	9/11/96	0.23	0.02		mg/L
Ammonia as N	MW13	9/11/96	0.59	0.02		mg/L
Ammonia as N	MW15	9/11/96	0.58	0.02		mg/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Ammonia as N	MW20	9/11/96	0.14	0.02		mg/L
Ammonia as N	MW21	9/11/96	0.02	0.02	ND	mg/L
Ammonia as N	MW02B	7/2/96	0.28	0.02		mg/L
Ammonia as N	MW05A	7/2/96	0.55	0.02		mg/L
Ammonia as N	MW11	7/2/96	0.53	0.02		mg/L
Ammonia as N	MW12	7/2/96	0.2	0.02		mg/L
Ammonia as N	MW13	7/2/96	0.81	0.02		mg/L
Ammonia as N	MW15	7/2/96	0.52	0.02		mg/L
Ammonia as N	MW20	7/2/96	0.12	0.02		mg/L
Ammonia as N	MW21	7/2/96	0.02	0.02	ND	mg/L
Ammonia as N	MW01A	7/21/86	0.05	0.05	ND	mg/L
Ammonia as N	MW02A	7/21/86	0.08	0.05		mg/L
Ammonia as N	MW03	7/21/86	0.26	0.05		mg/L
Ammonia as N	MW05	7/21/86	0.05	0.05		mg/L
Ammonia as N	MW06	7/21/86	2.8	0.05		mg/L
Ammonia as N	MW06	5/14/86	2.8	0.05		mg/L
Ammonia as N	MW01A	5/13/86	0.05	0.05	ND	mg/L
Ammonia as N	MW02A	5/13/86	0.06	0.05		mg/L
Ammonia as N	MW03	5/13/86	0.16	0.05		mg/L
Ammonia as N	MW05	5/13/86	0.7	0.05		mg/L
Ammonia as N	MW01A	1/23/86	0.06	0.05		mg/L
Ammonia as N	MW02A	1/23/86	0.07	0.05		mg/L
Ammonia as N	MW03	1/23/86	0.37	0.05		mg/L
Ammonia as N	MW05	1/23/86	1.42	0.05		mg/L
Ammonia as N	MW06	1/23/86	5.22	0.05		mg/L
Ammonia as N	MW02A	10/14/85	0.08	0.05		mg/L
Ammonia as N	MW03	10/14/85	0.2	0.05		mg/L
Ammonia as N	MW05	10/14/85	1.12	0.05		mg/L
Ammonia as N	MW06	10/14/85	5.58	0.05		mg/L
Ammonia as N	MWO1A	10/14/85	0.24	0.05		mg/L
Ammonia as N	MW01A	8/12/85	0.41	0.05		mg/L
Ammonia as N	MW02A	8/12/85	0.29	0.05		mg/L
Ammonia as N	MW03	8/12/85	0.62	0.05		mg/L
Ammonia as N	MW05	8/12/85	1.51	0.05		mg/L
Ammonia as N	MW06	8/12/85	4.61	0.05		mg/L
Ammonia as N	MW01A	4/16/85	0.15	0.05		mg/L
Ammonia as N	MW02A	4/16/85	0.24	0.05		mg/L
Ammonia as N	MW03	4/16/85	0.29	0.05		mg/L
Ammonia as N	MW05	4/16/85	1.53	0.05		mg/L
Ammonia as N	MW06	4/16/85	2.05	0.05		mg/L
Ammonia as N	MW01A	1/28/85	0.34	0.04		mg/L
Ammonia as N	MW02A	1/28/85	0.44	0.04		mg/L
Ammonia as N	MW03	1/28/85	0.24	0.04		mg/L
Ammonia as N	MW05	1/28/85	1.6	0.04		mg/L
Ammonia as N	MW06	1/28/85	2.84	0.04		mg/L
Aniline	MW30	3/21/00	10	10	ND	ug/L
Aniline	MW29A	3/20/00	10	10	ND	ug/L
Aniline	PZ-26	3/16/00	10	10	ND	ug/L
Anthracene	MW30	3/21/00	10	10	ND	ug/L
Anthracene	MW29A	3/20/00	10	10	ND	ug/L
Anthracene	PZ-26	3/16/00	10	10	ND	ug/L
Anthracene	MW02A	5/21/92	1	10	ND	ug/L
Antimony	MW32	5/26/04	6	6	ND	ug/L
Antimony	MW29A	5/26/04	6	6	ND	ug/L
Antimony	PZ-31	5/26/04	6	6	ND	ug/L
Antimony	PZ-26	5/26/04	6	6	ND	ug/L
Antimony	MW1X	5/26/04	6	6	ND	ug/L
Antimony	PZ-26	10/22/03	6	6	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Antimony	MW29A	10/22/03	6	6	ND	ug/L
Antimony	MW32	10/22/03	6	6	ND	ug/L
Antimony	MW32	5/15/03	6	6	ND	ug/L
Antimony	MW29A	5/15/03	6	6	ND	ug/L
Antimony	PZ-26	5/15/03	6	6	ND	ug/L
Antimony	PZ-26	11/1/02	6	6	ND	ug/L
Antimony	MW29A	11/1/02	6	6	ND	ug/L
Antimony	MW32	11/1/02	6	6	ND	ug/L
Antimony	PZ-26	10/31/01	6	6	ND	ug/L
Antimony	MW29A	10/31/01	6	6	ND	ug/L
Antimony	PZ-26	6/29/01	6	6	ND	ug/L
Antimony	MW29A	6/29/01	6	6	ND	ug/L
Antimony	MW30	3/21/00	3	3	ND	ug/L
Antimony	MW29A	3/20/00	0.89	3	B	ug/L
Antimony	PZ-26	3/16/00	0.86	3	B	ug/L
Antimony, Dissolved	PZ-32	7/28/06	6	6	ND	ug/L
Antimony, Dissolved	MW-02C	7/20/06	6	6	ND	ug/L
Antimony, Dissolved	MW-05A	7/20/06	6	6	ND	ug/L
Antimony, Dissolved	MW-11	7/20/06	6	6	ND	ug/L
Antimony, Dissolved	MW-12	7/20/06	6	6	ND	ug/L
Antimony, Dissolved	MW-13	7/20/06	6	6	ND	ug/L
Antimony, Dissolved	MW-15	7/20/06	6	6	ND	ug/L
Antimony, Dissolved	MW-20	7/20/06	6	6	ND	ug/L
Antimony, Dissolved	MW-21	7/20/06	6	6	ND	ug/L
Antimony, Dissolved	PZ-33	7/20/06	6	6	ND	ug/L
Antimony, Dissolved	MW-10	5/12/06	6	6	ND	ug/L
Antimony, Dissolved	PZ-32	5/12/06	6	6	ND	ug/L
Antimony, Dissolved	MW-02C	1/19/06	6	6	ND	ug/L
Antimony, Dissolved	MW-05A	1/19/06	6	6	ND	ug/L
Antimony, Dissolved	MW-11	1/19/06	6	6	ND	ug/L
Antimony, Dissolved	MW-12	1/19/06	6	6	ND	ug/L
Antimony, Dissolved	MW-13	1/19/06	6	6	ND	ug/L
Antimony, Dissolved	MW-15	1/19/06	6	6	ND	ug/L
Antimony, Dissolved	MW-20	1/19/06	6	6	ND	ug/L
Antimony, Dissolved	MW-21	1/19/06	6	6	ND	ug/L
Antimony, Dissolved	PZ-33	1/19/06	6	6	ND	ug/L
Antimony, Dissolved	FB-01	11/17/05	6	6	ND	ug/L
Antimony, Dissolved	PZ-33	11/17/05	6	6	ND	ug/L
Antimony, Dissolved	PZ-29	8/26/05	6	6	ND	ug/L
Antimony, Dissolved	PZ-33	8/26/05	6	6	ND	ug/L
Antimony, Dissolved	MW-02C	8/18/05	6	6	ND	ug/L
Antimony, Dissolved	MW-05A	8/18/05	6	6	ND	ug/L
Antimony, Dissolved	MW-11	8/18/05	6	6	ND	ug/L
Antimony, Dissolved	MW-12	8/18/05	6	6	ND	ug/L
Antimony, Dissolved	MW-13	8/18/05	6	6	ND	ug/L
Antimony, Dissolved	MW-15	8/18/05	6	6	ND	ug/L
Antimony, Dissolved	MW-20	8/18/05	6	6	ND	ug/L
Antimony, Dissolved	MW-21	8/18/05	6	6	ND	ug/L
Antimony, Dissolved	PZ-29	3/23/05	6	6	ND	ug/L
Antimony, Dissolved	PZ-33	3/23/05	6	6	ND	ug/L
Antimony, Dissolved	MW02C	3/17/05	6	6	ND	ug/L
Antimony, Dissolved	MW05A	3/17/05	6	6	ND	ug/L
Antimony, Dissolved	MW11	3/17/05	6	6	ND	ug/L
Antimony, Dissolved	MW12	3/17/05	6	6	ND	ug/L
Antimony, Dissolved	MW13	3/17/05	6	6	ND	ug/L
Antimony, Dissolved	MW15	3/17/05	6	6	ND	ug/L
Antimony, Dissolved	MW20	3/17/05	6	6	ND	ug/L
Antimony, Dissolved	MW21	3/17/05	6	6	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Antimony, Dissolved	MW02C	9/2/04	6	6	ND	ug/L
Antimony, Dissolved	MW05A	9/2/04	6	6	ND	ug/L
Antimony, Dissolved	MW11	9/2/04	6	6	ND	ug/L
Antimony, Dissolved	MW12	9/2/04	6	6	ND	ug/L
Antimony, Dissolved	MW13	9/2/04	6	6	ND	ug/L
Antimony, Dissolved	MW15	9/2/04	6	6	ND	ug/L
Antimony, Dissolved	MW21	9/2/04	6	6	ND	ug/L
Antimony, Dissolved	PZ-29	5/26/04	14	6		ug/L
Antimony, Dissolved	PZ-33	5/26/04	12	6		ug/L
Antimony, Dissolved	PZ-29	4/2/04	6	6	ND	ug/L
Antimony, Dissolved	PZ-33	4/2/04	6	6	ND	ug/L
Antimony, Dissolved	MW11	3/26/04	6	6	ND	ug/L
Antimony, Dissolved	MW21	3/26/04	6	6	ND	ug/L
Antimony, Dissolved	MW13	3/26/04	6	6	ND	ug/L
Antimony, Dissolved	MW02C	3/26/04	6	6	ND	ug/L
Antimony, Dissolved	MW15	3/26/04	6	6	ND	ug/L
Antimony, Dissolved	MW05A	3/26/04	6	6	ND	ug/L
Antimony, Dissolved	MW12	3/26/04	6	6	ND	ug/L
Antimony, Dissolved	MW20	3/26/04	6	6	ND	ug/L
Antimony, Dissolved	PZ-33	12/30/03	6	6	ND	ug/L
Antimony, Dissolved	PZ-33	10/1/03	6	6	ND	ug/L
Antimony, Dissolved	PZ-30	10/1/03	6	6	ND	ug/L
Antimony, Dissolved	MW11	9/24/03	6	6	ND	ug/L
Antimony, Dissolved	MW21	9/24/03	6	6	ND	ug/L
Antimony, Dissolved	MW13	9/24/03	6	6	ND	ug/L
Antimony, Dissolved	MW15	9/24/03	6	6	ND	ug/L
Antimony, Dissolved	MW02C	9/24/03	30	30	ND	ug/L
Antimony, Dissolved	MW05A	9/24/03	6	6	ND	ug/L
Antimony, Dissolved	MW12	9/24/03	6	6	ND	ug/L
Antimony, Dissolved	MW20	9/24/03	12	12	ND	ug/L
Antimony, Dissolved	MW02C	5/15/03	6	6	ND	ug/L
Antimony, Dissolved	MW02C	3/20/03	6	6	ND	ug/L
Antimony, Dissolved	MW12	3/20/03	6	6	ND	ug/L
Antimony, Dissolved	MW11	3/20/03	6	6	ND	ug/L
Antimony, Dissolved	MW15	3/20/03	6	6	ND	ug/L
Antimony, Dissolved	MW13	3/20/03	6	6	ND	ug/L
Antimony, Dissolved	MW20	3/20/03	6	6	ND	ug/L
Antimony, Dissolved	MW21	3/20/03	6	6	ND	ug/L
Antimony, Dissolved	MW05A	3/20/03	6	6	ND	ug/L
Antimony, Dissolved	MW11	9/24/02	30	30	ND	ug/L
Antimony, Dissolved	MW21	9/24/02	30	30	ND	ug/L
Antimony, Dissolved	MW13	9/24/02	30	30	ND	ug/L
Antimony, Dissolved	MW02C	9/24/02	30	30	ND	ug/L
Antimony, Dissolved	MW15	9/24/02	6	6	ND	ug/L
Antimony, Dissolved	MW05A	9/24/02	6	6	ND	ug/L
Antimony, Dissolved	MW12	9/24/02	6	6	ND	ug/L
Antimony, Dissolved	MW20	9/24/02	6	6	ND	ug/L
Antimony, Dissolved	MW11	3/12/02	6	6	ND	ug/L
Antimony, Dissolved	MW21	3/12/02	6	6	ND	ug/L
Antimony, Dissolved	MW13	3/12/02	6	6	ND	ug/L
Antimony, Dissolved	MW02C	3/12/02	6	6	ND	ug/L
Antimony, Dissolved	MW15	3/12/02	6	6	ND	ug/L
Antimony, Dissolved	MW05A	3/12/02	6	6	ND	ug/L
Antimony, Dissolved	MW12	3/12/02	6	6	ND	ug/L
Antimony, Dissolved	MW20	3/12/02	6	6	ND	ug/L
Antimony, Dissolved	MW02C	1/9/02	6	6	ND	ug/L
Antimony, Dissolved	MW11	9/25/01	6	6	ND	ug/L
Antimony, Dissolved	MW21	9/25/01	6	6	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Antimony, Dissolved	MW13	9/25/01	6	6	ND	ug/L
Antimony, Dissolved	MW02C	9/25/01	6	6	ND	ug/L
Antimony, Dissolved	MW15	9/25/01	6	6	ND	ug/L
Antimony, Dissolved	MW20	9/25/01	6	6	ND	ug/L
Antimony, Dissolved	MW05A	9/25/01	6	6	ND	ug/L
Antimony, Dissolved	MW12	9/25/01	6	6	ND	ug/L
Antimony, Dissolved	MW02C	6/1/01	3	3	ND	ug/L
Antimony, Dissolved	MW11	3/14/01	3	3	ND	ug/L
Antimony, Dissolved	MW21	3/14/01	3	3	ND	ug/L
Antimony, Dissolved	MW13	3/14/01	3	3	ND	ug/L
Antimony, Dissolved	MW02C	3/14/01	3	3	ND	ug/L
Antimony, Dissolved	MW15	3/14/01	3	3	ND	ug/L
Antimony, Dissolved	MW05A	3/14/01	3	3	ND	ug/L
Antimony, Dissolved	MW20	3/14/01	3	3	ND	ug/L
Antimony, Dissolved	MW12	3/14/01	3	3	ND	ug/L
Antimony, Dissolved	MW02C	12/6/00	16	3		ug/L
Antimony, Dissolved	MW11	9/26/00	3.3	3		ug/L
Antimony, Dissolved	MW12	9/26/00	3	3	ND	ug/L
Antimony, Dissolved	MW20	9/26/00	3	3	ND	ug/L
Antimony, Dissolved	MW02C	9/26/00	3	3	ND	ug/L
Antimony, Dissolved	MW13	9/26/00	3	3	ND	ug/L
Antimony, Dissolved	MW15	9/26/00	3	3	ND	ug/L
Antimony, Dissolved	MW05A	9/26/00	3.3	3		ug/L
Antimony, Dissolved	MW21	9/26/00	3	3	ND	ug/L
Antimony, Dissolved	MW11	3/21/00	3	3	ND	ug/L
Antimony, Dissolved	MW21	3/21/00	3	3	ND	ug/L
Antimony, Dissolved	MW13	3/21/00	3	3	ND	ug/L
Antimony, Dissolved	MW02B	3/21/00	3	3	ND	ug/L
Antimony, Dissolved	MW20	3/21/00	3	3	ND	ug/L
Antimony, Dissolved	MW15	3/21/00	3	3	ND	ug/L
Antimony, Dissolved	MW05A	3/21/00	3	3	ND	ug/L
Antimony, Dissolved	MW12	3/21/00	3	3	ND	ug/L
Antimony, Dissolved	MW13	9/21/99	3	3	ND	ug/L
Antimony, Dissolved	MW15	9/21/99	3	3	ND	ug/L
Antimony, Dissolved	MW05A	9/21/99	3	3	ND	ug/L
Antimony, Dissolved	MW21	9/21/99	3	3	ND	ug/L
Antimony, Dissolved	MW11	9/21/99	3	3	ND	ug/L
Antimony, Dissolved	MW12	9/21/99	3	3	ND	ug/L
Antimony, Dissolved	MW20	9/21/99	3	3	ND	ug/L
Antimony, Dissolved	MW02B	9/21/99	3	3	ND	ug/L
Antimony, Dissolved	MW13	3/17/99	3	3	ND	ug/L
Antimony, Dissolved	MW05A	3/17/99	3	3	ND	ug/L
Antimony, Dissolved	MW15	3/16/99	3	3	ND	ug/L
Antimony, Dissolved	MW21	3/16/99	3	3	ND	ug/L
Antimony, Dissolved	MW12	3/16/99	3	3	ND	ug/L
Antimony, Dissolved	MW20	3/16/99	3	3	ND	ug/L
Antimony, Dissolved	MW02B	3/15/99	3	3	ND	ug/L
Antimony, Dissolved	MW11	3/15/99	3	3	ND	ug/L
Antimony, Dissolved	PZ-26	2/25/99	6	6	ND	ug/L
Antimony, Dissolved	MW06	2/25/99	6	6	ND	ug/L
Antimony, Dissolved	PZ-25	2/25/99	6	6	ND	ug/L
Antimony, Dissolved	MW03	2/25/99	6	6	ND	ug/L
Antimony, Dissolved	MW02B	10/15/98	10	15	ND	ug/L
Antimony, Dissolved	MW05A	10/15/98	2	3	ND	ug/L
Antimony, Dissolved	MW11	10/15/98	2	3	ND	ug/L
Antimony, Dissolved	MW12	10/15/98	2	3	ND	ug/L
Antimony, Dissolved	MW13	10/15/98	10	15	ND	ug/L
Antimony, Dissolved	MW15	10/15/98	2	3	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Antimony, Dissolved	MW20	10/15/98	10	15	ND	ug/L
Antimony, Dissolved	MW21	10/15/98	10	15	ND	ug/L
Antimony, Dissolved	MW02B	3/12/98	2	3	ND	ug/L
Antimony, Dissolved	MW05A	3/12/98	2	3	ND	ug/L
Antimony, Dissolved	MW11	3/12/98	2	3	ND	ug/L
Antimony, Dissolved	MW12	3/12/98	2	3	ND	ug/L
Antimony, Dissolved	MW13	3/12/98	2	3	ND	ug/L
Antimony, Dissolved	MW15	3/12/98	3.2	3		ug/L
Antimony, Dissolved	MW20	3/12/98	2	3	ND	ug/L
Antimony, Dissolved	MW21	3/12/98	2	3	ND	ug/L
Antimony, Dissolved	MW02B	12/19/97	2	3	ND	ug/L
Antimony, Dissolved	MW05A	12/19/97	2	3	ND	ug/L
Antimony, Dissolved	MW11	12/19/97	3.5	3		ug/L
Antimony, Dissolved	MW12	12/19/97	2	3	ND	ug/L
Antimony, Dissolved	MW13	12/19/97	2	3	ND	ug/L
Antimony, Dissolved	MW15	12/19/97	2	3	ND	ug/L
Antimony, Dissolved	MW20	12/19/97	2	3	ND	ug/L
Antimony, Dissolved	MW21	12/19/97	2	3	ND	ug/L
Antimony, Dissolved	MW05A	9/11/97	2.2	3	J	ug/L
Antimony, Dissolved	MW11	9/11/97	5.9	3		ug/L
Antimony, Dissolved	MW21	9/11/97	2.3	3	J	ug/L
Antimony, Dissolved	MW02B	9/10/97	3.3	3		ug/L
Antimony, Dissolved	MW12	9/10/97	2.2	3	J	ug/L
Antimony, Dissolved	MW13	9/10/97	2	3	ND	ug/L
Antimony, Dissolved	MW15	9/10/97	2	3	ND	ug/L
Antimony, Dissolved	MW20	9/10/97	2	3	ND	ug/L
Antimony, Dissolved	MW02B	6/27/97	3.9	3		ug/L
Antimony, Dissolved	MW05A	6/27/97	6.8	3		ug/L
Antimony, Dissolved	MW11	6/27/97	6.7	3		ug/L
Antimony, Dissolved	MW12	6/27/97	2	3	ND	ug/L
Antimony, Dissolved	MW13	6/27/97	2	3	ND	ug/L
Antimony, Dissolved	MW15	6/27/97	3.1	3		ug/L
Antimony, Dissolved	MW20	6/27/97	2.3	3	J	ug/L
Antimony, Dissolved	MW21	6/27/97	2.5	3	J	ug/L
Antimony, Dissolved	MW02B	3/12/97	2	2	ND	ug/L
Antimony, Dissolved	MW05A	3/12/97	3.1	2		ug/L
Antimony, Dissolved	MW11	3/12/97	2	2	ND	ug/L
Antimony, Dissolved	MW12	3/12/97	2	2	ND	ug/L
Antimony, Dissolved	MW13	3/12/97	2	2	ND	ug/L
Antimony, Dissolved	MW15	3/12/97	2	2	ND	ug/L
Antimony, Dissolved	MW20	3/12/97	2	2	ND	ug/L
Antimony, Dissolved	MW21	3/12/97	2	2	ND	ug/L
Antimony, Dissolved	MW02B	12/4/96	2.4	2		ug/L
Antimony, Dissolved	MW05A	12/4/96	2	2	ND	ug/L
Antimony, Dissolved	MW11	12/4/96	2.2	2		ug/L
Antimony, Dissolved	MW12	12/4/96	2	2	ND	ug/L
Antimony, Dissolved	MW13	12/4/96	2	2	ND	ug/L
Antimony, Dissolved	MW15	12/4/96	2	2	ND	ug/L
Antimony, Dissolved	MW20	12/4/96	2	2	ND	ug/L
Antimony, Dissolved	MW21	12/4/96	2	2	ND	ug/L
Antimony, Dissolved	MW02B	9/11/96	2	2	ND	ug/L
Antimony, Dissolved	MW05A	9/11/96	2	2	ND	ug/L
Antimony, Dissolved	MW11	9/11/96	2	2	ND	ug/L
Antimony, Dissolved	MW12	9/11/96	2	2	ND	ug/L
Antimony, Dissolved	MW13	9/11/96	2	2	ND	ug/L
Antimony, Dissolved	MW15	9/11/96	2	2	ND	ug/L
Antimony, Dissolved	MW20	9/11/96	2	2	ND	ug/L
Antimony, Dissolved	MW21	9/11/96	2	2	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Antimony, Dissolved	MW02B	7/2/96	2	2	ND	ug/L
Antimony, Dissolved	MW05A	7/2/96	2	2	ND	ug/L
Antimony, Dissolved	MW11	7/2/96	2	2	ND	ug/L
Antimony, Dissolved	MW12	7/2/96	2	2	ND	ug/L
Antimony, Dissolved	MW13	7/2/96	2	2	ND	ug/L
Antimony, Dissolved	MW15	7/2/96	2	2	ND	ug/L
Antimony, Dissolved	MW20	7/2/96	2	2	ND	ug/L
Antimony, Dissolved	MW21	7/2/96	2	2	ND	ug/L
Antimony, Dissolved	MW01A	7/22/94	5.5	17	ND	ug/L
Antimony, Dissolved	MW02A	7/22/94	5.5	17	ND	ug/L
Antimony, Dissolved	MW03	7/22/94	1.1	3.4	ND	ug/L
Antimony, Dissolved	MW05	7/22/94	1.1	3.4	ND	ug/L
Antimony, Dissolved	MW06	7/22/94	1.1	3.4	ND	ug/L
Antimony, Dissolved	MW05A	5/12/94	7.6	6.8		ug/L
Antimony, Dissolved	MW15	4/26/94	4.3	3.4		ug/L
Antimony, Dissolved	MW01A	4/25/94	17	17	ND	ug/L
Antimony, Dissolved	MW02A	4/25/94	17	17	ND	ug/L
Antimony, Dissolved	MW03	4/25/94	3.4	3.4	ND	ug/L
Antimony, Dissolved	MW05	4/25/94	3.4	3.4	ND	ug/L
Antimony, Dissolved	MW06	4/25/94	3.4	3.4	ND	ug/L
Antimony, Dissolved	MW01A	1/31/94	50	300	ND	ug/L
Antimony, Dissolved	MW02A	1/31/94	50	300	ND	ug/L
Antimony, Dissolved	MW03	1/31/94	50	300	ND	ug/L
Antimony, Dissolved	MW05	1/31/94	50	300	ND	ug/L
Antimony, Dissolved	MW06	1/31/94	54.4	300	J	ug/L
Antimony, Total	MW-02C	8/2/06	6	6	ND	ug/L
Antimony, Total	MW-05A	8/2/06	6	6	ND	ug/L
Antimony, Total	MW-11	8/2/06	6	6	ND	ug/L
Antimony, Total	MW-12	8/2/06	6	6	ND	ug/L
Antimony, Total	MW-13	8/2/06	6	6	ND	ug/L
Antimony, Total	MW-15	8/2/06	6	6	ND	ug/L
Antimony, Total	MW-20	8/2/06	6	6	ND	ug/L
Antimony, Total	MW-21	8/2/06	6	6	ND	ug/L
Antimony, Total	DUP-01	4/19/06	6	6	ND	ug/L
Antimony, Total	FB-01	4/19/06	6	6	ND	ug/L
Antimony, Total	MW-29A	4/19/06	6	6	ND	ug/L
Antimony, Total	MW-32	4/19/06	6	6	ND	ug/L
Antimony, Total	PZ-26	4/19/06	6	6	ND	ug/L
Antimony, Total	DUP-01	11/3/05	6	6	ND	ug/L
Antimony, Total	FB-01	11/3/05	6	6	ND	ug/L
Antimony, Total	MW-29A	11/3/05	6	6	ND	ug/L
Antimony, Total	MW-32	11/3/05	6	6	ND	ug/L
Antimony, Total	PZ-26	11/3/05	6	6	ND	ug/L
Antimony, Total	MW01A	7/22/94	146	13.6		ug/L
Antimony, Total	MW02A	7/22/94	9.3	3.4		ug/L
Antimony, Total	MW03	7/22/94	1.1	3.4	ND	ug/L
Antimony, Total	MW05	7/22/94	1.1	3.4	ND	ug/L
Antimony, Total	MW06	7/22/94	1.1	3.4	ND	ug/L
Antimony, Total	MW05A	5/12/94	3.4	3.4	ND	ug/L
Antimony, Total	MW15	4/26/94	3.4	3.4	ND	ug/L
Antimony, Total	MW01A	4/25/94	3.4	3.4	ND	ug/L
Antimony, Total	MW02A	4/25/94	3.4	3.4	ND	ug/L
Antimony, Total	MW03	4/25/94	3.4	3.4	ND	ug/L
Antimony, Total	MW05	4/25/94	3.4	3.4	ND	ug/L
Antimony, Total	MW06	4/25/94	3.4	3.4	ND	ug/L
Antimony, Total	MW01A	1/31/94	65.3	300	J	ug/L
Antimony, Total	MW02A	1/31/94	50	300	ND	ug/L
Antimony, Total	MW03	1/31/94	50	300	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Antimony, Total	MW05	1/31/94	50	300	ND	ug/L
Antimony, Total	MW06	1/31/94	50	300	ND	ug/L
Antimony, Total	MW01A	10/18/93	50	300	ND	ug/L
Antimony, Total	MW02A	10/18/93	76	300	J	ug/L
Antimony, Total	MW03	10/18/93	50	300	ND	ug/L
Antimony, Total	MW05	10/18/93	50	300	ND	ug/L
Antimony, Total	MW06	10/18/93	250	1000	ND	ug/L
Antimony, Total	MW03	7/27/93	94.3	300	J	ug/L
Antimony, Total	MW06	7/27/93	115	300	J	ug/L
Antimony, Total	MW01A	7/26/93	50	300	ND	ug/L
Antimony, Total	MW02A	7/26/93	70.9	300	J	ug/L
Antimony, Total	MW05	7/26/93	85.5	300	J	ug/L
Aramite	MW30	3/21/00	10	10	ND	ug/L
Aramite	MW29A	3/20/00	10	10	ND	ug/L
Aramite	PZ-26	3/16/00	10	10	ND	ug/L
Aroclor 1016	MW30	3/21/00	0.5	0.5	ND	ug/L
Aroclor 1016	MW29A	3/20/00	0.5	0.5	ND	ug/L
Aroclor 1016	PZ-26	3/16/00	0.5	0.5	ND	ug/L
Aroclor 1221	MW30	3/21/00	0.5	0.5	ND	ug/L
Aroclor 1221	MW29A	3/20/00	0.5	0.5	ND	ug/L
Aroclor 1221	PZ-26	3/16/00	0.5	0.5	ND	ug/L
Aroclor 1232	MW30	3/21/00	0.5	0.5	ND	ug/L
Aroclor 1232	MW29A	3/20/00	0.5	0.5	ND	ug/L
Aroclor 1232	PZ-26	3/16/00	0.5	0.5	ND	ug/L
Aroclor 1242	MW30	3/21/00	0.5	0.5	ND	ug/L
Aroclor 1242	MW29A	3/20/00	0.5	0.5	ND	ug/L
Aroclor 1242	PZ-26	3/16/00	0.5	0.5	ND	ug/L
Aroclor 1248	MW30	3/21/00	0.5	0.5	ND	ug/L
Aroclor 1248	MW29A	3/20/00	0.5	0.5	ND	ug/L
Aroclor 1248	PZ-26	3/16/00	0.5	0.5	ND	ug/L
Aroclor 1254	MW30	3/21/00	0.5	0.5	ND	ug/L
Aroclor 1254	MW29A	3/20/00	0.5	0.5	ND	ug/L
Aroclor 1254	PZ-26	3/16/00	0.5	0.5	ND	ug/L
Aroclor 1260	MW30	3/21/00	0.5	0.5	ND	ug/L
Aroclor 1260	MW29A	3/20/00	0.5	0.5	ND	ug/L
Aroclor 1260	PZ-26	3/16/00	0.5	0.5	ND	ug/L
Arsenic	MW32	5/26/04	10	10	ND	ug/L
Arsenic	MW29A	5/26/04	10	10	ND	ug/L
Arsenic	PZ-31	5/26/04	10	10	ND	ug/L
Arsenic	PZ-26	5/26/04	10	10	ND	ug/L
Arsenic	MW1X	5/26/04	10	10	ND	ug/L
Arsenic	PZ-26	10/22/03	10	10	ND	ug/L
Arsenic	MW29A	10/22/03	10	10	ND	ug/L
Arsenic	MW32	10/22/03	14	10		ug/L
Arsenic	MW32	5/15/03	10	10		ug/L
Arsenic	MW29A	5/15/03	10	10	ND	ug/L
Arsenic	PZ-26	5/15/03	10	10	ND	ug/L
Arsenic	PZ-26	11/1/02	10	10	ND	ug/L
Arsenic	MW29A	11/1/02	10	10	ND	ug/L
Arsenic	MW32	11/1/02	10	10	ND	ug/L
Arsenic	PZ-26	10/31/01	10	10	ND	ug/L
Arsenic	MW29A	10/31/01	10	10	ND	ug/L
Arsenic	PZ-26	6/29/01	10	10	ND	ug/L
Arsenic	MW29A	6/29/01	10	10	ND	ug/L
Arsenic	MW30	3/21/00	5.2	1		ug/L
Arsenic	MW29A	3/20/00	7	1		ug/L
Arsenic	PZ-26	3/16/00	27.2	1		ug/L
Arsenic, Dissolved	PZ-32	7/28/06	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Arsenic, Dissolved	MW-02C	7/20/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-05A	7/20/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-11	7/20/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-12	7/20/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-13	7/20/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-15	7/20/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-20	7/20/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-21	7/20/06	10	10	ND	ug/L
Arsenic, Dissolved	PZ-33	7/20/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-10	5/12/06	10	10	ND	ug/L
Arsenic, Dissolved	PZ-32	5/12/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-02C	1/19/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-05A	1/19/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-11	1/19/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-12	1/19/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-13	1/19/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-15	1/19/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-20	1/19/06	10	10	ND	ug/L
Arsenic, Dissolved	MW-21	1/19/06	10	10	ND	ug/L
Arsenic, Dissolved	PZ-33	1/19/06	10	10	ND	ug/L
Arsenic, Dissolved	FB-01	11/17/05	10	10	ND	ug/L
Arsenic, Dissolved	PZ-33	11/17/05	10	10	ND	ug/L
Arsenic, Dissolved	PZ-29	8/26/05	10	10	ND	ug/L
Arsenic, Dissolved	PZ-33	8/26/05	10	10	ND	ug/L
Arsenic, Dissolved	MW-02C	8/18/05	10	10	ND	ug/L
Arsenic, Dissolved	MW-05A	8/18/05	10	10	ND	ug/L
Arsenic, Dissolved	MW-11	8/18/05	10	10	ND	ug/L
Arsenic, Dissolved	MW-12	8/18/05	10	10	ND	ug/L
Arsenic, Dissolved	MW-13	8/18/05	10	10	ND	ug/L
Arsenic, Dissolved	MW-15	8/18/05	10	10	ND	ug/L
Arsenic, Dissolved	MW-20	8/18/05	10	10	ND	ug/L
Arsenic, Dissolved	MW-21	8/18/05	10	10	ND	ug/L
Arsenic, Dissolved	PZ-29	3/23/05	10	10	ND	ug/L
Arsenic, Dissolved	PZ-33	3/23/05	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	3/17/05	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	3/17/05	10	10	ND	ug/L
Arsenic, Dissolved	MW11	3/17/05	10	10	ND	ug/L
Arsenic, Dissolved	MW12	3/17/05	10	10	ND	ug/L
Arsenic, Dissolved	MW13	3/17/05	10	10	ND	ug/L
Arsenic, Dissolved	MW15	3/17/05	10	10	ND	ug/L
Arsenic, Dissolved	MW20	3/17/05	10	10	ND	ug/L
Arsenic, Dissolved	MW21	3/17/05	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	9/2/04	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	9/2/04	10	10	ND	ug/L
Arsenic, Dissolved	MW11	9/2/04	10	10	ND	ug/L
Arsenic, Dissolved	MW12	9/2/04	10	10	ND	ug/L
Arsenic, Dissolved	MW13	9/2/04	10	10	ND	ug/L
Arsenic, Dissolved	MW15	9/2/04	10	10	ND	ug/L
Arsenic, Dissolved	MW21	9/2/04	10	10	ND	ug/L
Arsenic, Dissolved	PZ-29	5/26/04	10	10	ND	ug/L
Arsenic, Dissolved	PZ-33	5/26/04	10	10	ND	ug/L
Arsenic, Dissolved	PZ-29	4/2/04	10	10	ND	ug/L
Arsenic, Dissolved	PZ-33	4/2/04	10	10	ND	ug/L
Arsenic, Dissolved	MW11	3/26/04	10	10	ND	ug/L
Arsenic, Dissolved	MW21	3/26/04	10	10	ND	ug/L
Arsenic, Dissolved	MW13	3/26/04	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	3/26/04	10	10	ND	ug/L
Arsenic, Dissolved	MW15	3/26/04	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Arsenic, Dissolved	MW05A	3/26/04	10	10	ND	ug/L
Arsenic, Dissolved	MW12	3/26/04	10	10	ND	ug/L
Arsenic, Dissolved	MW20	3/26/04	10	10	ND	ug/L
Arsenic, Dissolved	PZ-33	12/30/03	10	10	ND	ug/L
Arsenic, Dissolved	PZ-33	10/1/03	10	10	ND	ug/L
Arsenic, Dissolved	PZ-30	10/1/03	10	10	ND	ug/L
Arsenic, Dissolved	MW11	9/24/03	10	10	ND	ug/L
Arsenic, Dissolved	MW21	9/24/03	10	10	ND	ug/L
Arsenic, Dissolved	MW13	9/24/03	10	10	ND	ug/L
Arsenic, Dissolved	MW15	9/24/03	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	9/24/03	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	9/24/03	10	10	ND	ug/L
Arsenic, Dissolved	MW12	9/24/03	10	10	ND	ug/L
Arsenic, Dissolved	MW20	9/24/03	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	5/15/03	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	3/20/03	10	10	ND	ug/L
Arsenic, Dissolved	MW12	3/20/03	10	10	ND	ug/L
Arsenic, Dissolved	MW11	3/20/03	10	10	ND	ug/L
Arsenic, Dissolved	MW15	3/20/03	10	10	ND	ug/L
Arsenic, Dissolved	MW13	3/20/03	10	10	ND	ug/L
Arsenic, Dissolved	MW20	3/20/03	10	10	ND	ug/L
Arsenic, Dissolved	MW21	3/20/03	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	3/20/03	10	10	ND	ug/L
Arsenic, Dissolved	MW11	9/24/02	10	10	ND	ug/L
Arsenic, Dissolved	MW21	9/24/02	10	10	ND	ug/L
Arsenic, Dissolved	MW13	9/24/02	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	9/24/02	10	10	ND	ug/L
Arsenic, Dissolved	MW15	9/24/02	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	9/24/02	10	10	ND	ug/L
Arsenic, Dissolved	MW12	9/24/02	10	10	ND	ug/L
Arsenic, Dissolved	MW20	9/24/02	10	10	ND	ug/L
Arsenic, Dissolved	MW11	3/12/02	10	10	ND	ug/L
Arsenic, Dissolved	MW21	3/12/02	10	10	ND	ug/L
Arsenic, Dissolved	MW13	3/12/02	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	3/12/02	10	10	ND	ug/L
Arsenic, Dissolved	MW15	3/12/02	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	3/12/02	10	10	ND	ug/L
Arsenic, Dissolved	MW12	3/12/02	10	10	ND	ug/L
Arsenic, Dissolved	MW20	3/12/02	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	1/9/02	10	10	ND	ug/L
Arsenic, Dissolved	MW11	9/25/01	10	10	ND	ug/L
Arsenic, Dissolved	MW21	9/25/01	10	10	ND	ug/L
Arsenic, Dissolved	MW13	9/25/01	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	9/25/01	10	10	ND	ug/L
Arsenic, Dissolved	MW15	9/25/01	10	10	ND	ug/L
Arsenic, Dissolved	MW20	9/25/01	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	9/25/01	10	10	ND	ug/L
Arsenic, Dissolved	MW12	9/25/01	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	6/1/01	10	10	ND	ug/L
Arsenic, Dissolved	MW11	3/14/01	10	10	ND	ug/L
Arsenic, Dissolved	MW21	3/14/01	10	10	ND	ug/L
Arsenic, Dissolved	MW13	3/14/01	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	3/14/01	10	10	ND	ug/L
Arsenic, Dissolved	MW15	3/14/01	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	3/14/01	10	10	ND	ug/L
Arsenic, Dissolved	MW20	3/14/01	10	10	ND	ug/L
Arsenic, Dissolved	MW12	3/14/01	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	12/6/00	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Arsenic, Dissolved	MW11	9/26/00	10	10	ND	ug/L
Arsenic, Dissolved	MW12	9/26/00	10	10	ND	ug/L
Arsenic, Dissolved	MW20	9/26/00	10	10	ND	ug/L
Arsenic, Dissolved	MW02C	9/26/00	10	10	ND	ug/L
Arsenic, Dissolved	MW13	9/26/00	10	10	ND	ug/L
Arsenic, Dissolved	MW15	9/26/00	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	9/26/00	10	10	ND	ug/L
Arsenic, Dissolved	MW21	9/26/00	10	10	ND	ug/L
Arsenic, Dissolved	MW11	3/21/00	10	10	ND	ug/L
Arsenic, Dissolved	MW21	3/21/00	10	10	ND	ug/L
Arsenic, Dissolved	MW13	3/21/00	10	10	ND	ug/L
Arsenic, Dissolved	MW02B	3/21/00	10	10	ND	ug/L
Arsenic, Dissolved	MW20	3/21/00	10	10	ND	ug/L
Arsenic, Dissolved	MW15	3/21/00	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	3/21/00	10	10	ND	ug/L
Arsenic, Dissolved	MW12	3/21/00	10	10	ND	ug/L
Arsenic, Dissolved	MW13	9/21/99	10	10	ND	ug/L
Arsenic, Dissolved	MW15	9/21/99	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	9/21/99	10	10	ND	ug/L
Arsenic, Dissolved	MW21	9/21/99	10	10	ND	ug/L
Arsenic, Dissolved	MW11	9/21/99	10	10	ND	ug/L
Arsenic, Dissolved	MW12	9/21/99	10	10	ND	ug/L
Arsenic, Dissolved	MW20	9/21/99	10	10	ND	ug/L
Arsenic, Dissolved	MW02B	9/21/99	10	10	ND	ug/L
Arsenic, Dissolved	MW13	3/17/99	10	10	ND	ug/L
Arsenic, Dissolved	MW05A	3/17/99	10	10	ND	ug/L
Arsenic, Dissolved	MW15	3/16/99	10	10	ND	ug/L
Arsenic, Dissolved	MW21	3/16/99	10	10	ND	ug/L
Arsenic, Dissolved	MW12	3/16/99	10	10	ND	ug/L
Arsenic, Dissolved	MW20	3/16/99	10	10	ND	ug/L
Arsenic, Dissolved	MW02B	3/15/99	10	10	ND	ug/L
Arsenic, Dissolved	MW11	3/15/99	10	10	ND	ug/L
Arsenic, Dissolved	PZ-26	2/25/99	5.6	5.6	ND	ug/L
Arsenic, Dissolved	MW06	2/25/99	16.2	5.6		ug/L
Arsenic, Dissolved	PZ-25	2/25/99	5.7	5.6		ug/L
Arsenic, Dissolved	MW03	2/25/99	5.6	5.6	ND	ug/L
Arsenic, Dissolved	MW02B	10/15/98	3	10	ND	ug/L
Arsenic, Dissolved	MW05A	10/15/98	3	10	ND	ug/L
Arsenic, Dissolved	MW11	10/15/98	15	50	ND	ug/L
Arsenic, Dissolved	MW12	10/15/98	3	10	ND	ug/L
Arsenic, Dissolved	MW13	10/15/98	3	10	ND	ug/L
Arsenic, Dissolved	MW15	10/15/98	3	10	ND	ug/L
Arsenic, Dissolved	MW20	10/15/98	3	10	ND	ug/L
Arsenic, Dissolved	MW21	10/15/98	30	100	ND	ug/L
Arsenic, Dissolved	MW02B	3/12/98	15	50	ND	ug/L
Arsenic, Dissolved	MW05A	3/12/98	3	10	ND	ug/L
Arsenic, Dissolved	MW11	3/12/98	7.2	10	J	ug/L
Arsenic, Dissolved	MW12	3/12/98	15	50	ND	ug/L
Arsenic, Dissolved	MW13	3/12/98	15	50	ND	ug/L
Arsenic, Dissolved	MW15	3/12/98	15	50	ND	ug/L
Arsenic, Dissolved	MW20	3/12/98	38.6	10		ug/L
Arsenic, Dissolved	MW21	3/12/98	15	50	ND	ug/L
Arsenic, Dissolved	MW02B	12/19/97	3	10	ND	ug/L
Arsenic, Dissolved	MW05A	12/19/97	10	10		ug/L
Arsenic, Dissolved	MW11	12/19/97	15	50	ND	ug/L
Arsenic, Dissolved	MW12	12/19/97	6	10	J	ug/L
Arsenic, Dissolved	MW13	12/19/97	10.1	10		ug/L
Arsenic, Dissolved	MW15	12/19/97	4.6	10	J	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Arsenic, Dissolved	MW20	12/19/97	3	10	ND	ug/L
Arsenic, Dissolved	MW21	12/19/97	3	10	ND	ug/L
Arsenic, Dissolved	MW05A	9/11/97	3	10	ND	ug/L
Arsenic, Dissolved	MW11	9/11/97	3.9	10	J	ug/L
Arsenic, Dissolved	MW21	9/11/97	3	10	ND	ug/L
Arsenic, Dissolved	MW02B	9/10/97	3	10	ND	ug/L
Arsenic, Dissolved	MW12	9/10/97	3	10	ND	ug/L
Arsenic, Dissolved	MW13	9/10/97	3	10	ND	ug/L
Arsenic, Dissolved	MW15	9/10/97	3	10	ND	ug/L
Arsenic, Dissolved	MW20	9/10/97	3.8	10	J	ug/L
Arsenic, Dissolved	MW02B	6/27/97	3	10	ND	ug/L
Arsenic, Dissolved	MW05A	6/27/97	8.5	10	J	ug/L
Arsenic, Dissolved	MW11	6/27/97	12.7	10		ug/L
Arsenic, Dissolved	MW12	6/27/97	7	10	J	ug/L
Arsenic, Dissolved	MW13	6/27/97	8	10	J	ug/L
Arsenic, Dissolved	MW15	6/27/97	11.3	10		ug/L
Arsenic, Dissolved	MW20	6/27/97	14.6	10		ug/L
Arsenic, Dissolved	MW21	6/27/97	3	10	ND	ug/L
Arsenic, Dissolved	MW02B	3/12/97	3	10	ND	ug/L
Arsenic, Dissolved	MW05A	3/12/97	3	10	ND	ug/L
Arsenic, Dissolved	MW11	3/12/97	3	10	ND	ug/L
Arsenic, Dissolved	MW12	3/12/97	3	10	ND	ug/L
Arsenic, Dissolved	MW13	3/12/97	3	10	ND	ug/L
Arsenic, Dissolved	MW15	3/12/97	3	10	ND	ug/L
Arsenic, Dissolved	MW20	3/12/97	3	10	ND	ug/L
Arsenic, Dissolved	MW21	3/12/97	3	10	ND	ug/L
Arsenic, Dissolved	MW02B	12/4/96	15	50	ND	ug/L
Arsenic, Dissolved	MW05A	12/4/96	3	10	ND	ug/L
Arsenic, Dissolved	MW11	12/4/96	7.5	10	J	ug/L
Arsenic, Dissolved	MW12	12/4/96	9.2	10	J	ug/L
Arsenic, Dissolved	MW13	12/4/96	3	10	ND	ug/L
Arsenic, Dissolved	MW15	12/4/96	8.3	10	J	ug/L
Arsenic, Dissolved	MW20	12/4/96	8.4	10	J	ug/L
Arsenic, Dissolved	MW21	12/4/96	11.2	10		ug/L
Arsenic, Dissolved	MW02B	9/11/96	3	10	ND	ug/L
Arsenic, Dissolved	MW05A	9/11/96	3.5	10	J	ug/L
Arsenic, Dissolved	MW11	9/11/96	7.2	10	J	ug/L
Arsenic, Dissolved	MW12	9/11/96	3.8	10	J	ug/L
Arsenic, Dissolved	MW13	9/11/96	3	10	ND	ug/L
Arsenic, Dissolved	MW15	9/11/96	3	10	ND	ug/L
Arsenic, Dissolved	MW20	9/11/96	3	10	ND	ug/L
Arsenic, Dissolved	MW21	9/11/96	3	10	ND	ug/L
Arsenic, Dissolved	MW02B	7/2/96	2.7	10	ND	ug/L
Arsenic, Dissolved	MW05A	7/2/96	2.7	10	ND	ug/L
Arsenic, Dissolved	MW11	7/2/96	5.8	10	J	ug/L
Arsenic, Dissolved	MW12	7/2/96	2.7	10	ND	ug/L
Arsenic, Dissolved	MW13	7/2/96	2.7	10	ND	ug/L
Arsenic, Dissolved	MW15	7/2/96	2.7	10	ND	ug/L
Arsenic, Dissolved	MW20	7/2/96	7.1	10	J	ug/L
Arsenic, Dissolved	MW21	7/2/96	2.7	10	ND	ug/L
Arsenic, Dissolved	MW01A	7/22/94	0.7	10	ND	ug/L
Arsenic, Dissolved	MW02A	7/22/94	0.7	10	ND	ug/L
Arsenic, Dissolved	MW03	7/22/94	1.2	10	J	ug/L
Arsenic, Dissolved	MW05	7/22/94	0.7	10	ND	ug/L
Arsenic, Dissolved	MW06	7/22/94	21.4	10		ug/L
Arsenic, Dissolved	MW05A	5/12/94	0.7	10	ND	ug/L
Arsenic, Dissolved	MW15	4/26/94	0.7	10	ND	ug/L
Arsenic, Dissolved	MW01A	4/25/94	3.5	14	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Arsenic, Dissolved	MW02A	4/25/94	3.5	14	ND	ug/L
Arsenic, Dissolved	MW03	4/25/94	0.7	10	ND	ug/L
Arsenic, Dissolved	MW05	4/25/94	1.3	10	J	ug/L
Arsenic, Dissolved	MW06	4/25/94	24.8	10		ug/L
Arsenic, Dissolved	MW01A	1/31/94	0.7	10	J	ug/L
Arsenic, Dissolved	MW02A	1/31/94	0.7	10	ND	ug/L
Arsenic, Dissolved	MW03	1/31/94	0.7	10	ND	ug/L
Arsenic, Dissolved	MW05	1/31/94	1.2	10	J	ug/L
Arsenic, Dissolved	MW06	1/31/94	29	14		ug/L
Arsenic, Dissolved	MW01A	1/23/86	10	10	ND	ug/L
Arsenic, Dissolved	MW02A	1/23/86	10	10	ND	ug/L
Arsenic, Dissolved	MW03	1/23/86	10	10	ND	ug/L
Arsenic, Dissolved	MW05	1/23/86	10	10	ND	ug/L
Arsenic, Dissolved	MW06	1/23/86	10	10		ug/L
Arsenic, Dissolved	MW01A	1/28/85	23	10		ug/L
Arsenic, Dissolved	MW02A	1/28/85	26	10		ug/L
Arsenic, Dissolved	MW03	1/28/85	26	10		ug/L
Arsenic, Dissolved	MW05	1/28/85	18	10		ug/L
Arsenic, Dissolved	MW06	1/28/85	27	10		ug/L
Arsenic, Total	MW-02C	8/2/06	10	10	ND	ug/L
Arsenic, Total	MW-05A	8/2/06	10	10	ND	ug/L
Arsenic, Total	MW-11	8/2/06	10	10	ND	ug/L
Arsenic, Total	MW-12	8/2/06	10	10	ND	ug/L
Arsenic, Total	MW-13	8/2/06	10	10	ND	ug/L
Arsenic, Total	MW-15	8/2/06	10	10	ND	ug/L
Arsenic, Total	MW-20	8/2/06	10	10	ND	ug/L
Arsenic, Total	MW-21	8/2/06	10	10	ND	ug/L
Arsenic, Total	DUP-01	4/19/06	10	10	ND	ug/L
Arsenic, Total	FB-01	4/19/06	10	10	ND	ug/L
Arsenic, Total	MW-29A	4/19/06	10	10	ND	ug/L
Arsenic, Total	MW-32	4/19/06	10	10	ND	ug/L
Arsenic, Total	PZ-26	4/19/06	10	10	ND	ug/L
Arsenic, Total	SW001	3/20/06	15	15	ND	ug/L
Arsenic, Total	DUP-01	11/3/05	10	10	ND	ug/L
Arsenic, Total	FB-01	11/3/05	10	10	ND	ug/L
Arsenic, Total	MW-29A	11/3/05	10	10	ND	ug/L
Arsenic, Total	MW-32	11/3/05	10	10	ND	ug/L
Arsenic, Total	PZ-26	11/3/05	10	10	ND	ug/L
Arsenic, Total	MW01A	7/22/94	0.7	10	ND	ug/L
Arsenic, Total	MW02A	7/22/94	0.7	10	ND	ug/L
Arsenic, Total	MW03	7/22/94	1.3	10	J	ug/L
Arsenic, Total	MW05	7/22/94	1.1	10	J	ug/L
Arsenic, Total	MW06	7/22/94	20.3	10		ug/L
Arsenic, Total	MW05A	5/12/94	0.7	10	ND	ug/L
Arsenic, Total	MW15	4/26/94	0.8	10	J	ug/L
Arsenic, Total	MW01A	4/25/94	0.7	10	ND	ug/L
Arsenic, Total	MW02A	4/25/94	0.7	10	ND	ug/L
Arsenic, Total	MW03	4/25/94	0.7	10	ND	ug/L
Arsenic, Total	MW05	4/25/94	0.7	10	ND	ug/L
Arsenic, Total	MW06	4/25/94	20.1	10		ug/L
Arsenic, Total	MW01A	1/31/94	0.7	10	ND	ug/L
Arsenic, Total	MW02A	1/31/94	3.5	14	ND	ug/L
Arsenic, Total	MW03	1/31/94	0.7	10	ND	ug/L
Arsenic, Total	MW05	1/31/94	0.9	10	J	ug/L
Arsenic, Total	MW06	1/31/94	20.1	10		ug/L
Arsenic, Total	MW01A	10/18/93	0.7	10	ND	ug/L
Arsenic, Total	MW02A	10/18/93	0.7	10	ND	ug/L
Arsenic, Total	MW03	10/18/93	0.7	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Arsenic, Total	MW05	10/18/93	2.4	10	J	ug/L
Arsenic, Total	MW06	10/18/93	20	10		ug/L
Arsenic, Total	MW03	7/27/93	0.7	10	ND	ug/L
Arsenic, Total	MW06	7/27/93	21.4	10		ug/L
Arsenic, Total	MW01A	7/26/93	1.9	10	J	ug/L
Arsenic, Total	MW02A	7/26/93	0.7	10	ND	ug/L
Arsenic, Total	MW05	7/26/93	0.8	10	J	ug/L
Barium	MW32	5/26/04	43	7.4	J	ug/L
Barium	MW29A	5/26/04	17	7.4	J	ug/L
Barium	PZ-31	5/26/04	600	7.4	J	ug/L
Barium	PZ-26	5/26/04	10	7.4	J	ug/L
Barium	MW1X	5/26/04	12	7.4	J	ug/L
Barium	PZ-26	10/22/03	8.6	7.4		ug/L
Barium	MW29A	10/22/03	19	7.4		ug/L
Barium	MW32	10/22/03	38	7.4		ug/L
Barium	MW32	5/15/03	50	7.4		ug/L
Barium	MW29A	5/15/03	19	7.4		ug/L
Barium	PZ-26	5/15/03	20	7.4		ug/L
Barium	PZ-26	11/1/02	9.5	7.4		ug/L
Barium	MW29A	11/1/02	21	7.4		ug/L
Barium	MW32	11/1/02	53	7.4		ug/L
Barium	PZ-26	10/31/01	200	200	ND	ug/L
Barium	MW29A	10/31/01	200	200	ND	ug/L
Barium	PZ-26	6/29/01	200	200	ND	ug/L
Barium	MW29A	6/29/01	200	200	ND	ug/L
Barium	MW30	3/21/00	31	10		ug/L
Barium	MW29A	3/20/00	20.9	10		ug/L
Barium	PZ-26	3/16/00	24.7	10		ug/L
Barium, Dissolved	PZ-32	7/28/06	18	7.4		ug/L
Barium, Dissolved	MW-02C	7/20/06	30	7.4		ug/L
Barium, Dissolved	MW-05A	7/20/06	9.2	7.4		ug/L
Barium, Dissolved	MW-11	7/20/06	10	7.4		ug/L
Barium, Dissolved	MW-12	7/20/06	18	7.4		ug/L
Barium, Dissolved	MW-13	7/20/06	11	7.4		ug/L
Barium, Dissolved	MW-15	7/20/06	12	7.4		ug/L
Barium, Dissolved	MW-20	7/20/06	12	7.4		ug/L
Barium, Dissolved	MW-21	7/20/06	14	7.4		ug/L
Barium, Dissolved	PZ-33	7/20/06	16	7.4		ug/L
Barium, Dissolved	MW-10	5/12/06	21	7.4		ug/L
Barium, Dissolved	PZ-32	5/12/06	71	7.4		ug/L
Barium, Dissolved	MW-02C	1/19/06	35	7.4		ug/L
Barium, Dissolved	MW-05A	1/19/06	10	7.4		ug/L
Barium, Dissolved	MW-11	1/19/06	12	7.4		ug/L
Barium, Dissolved	MW-12	1/19/06	22	7.4		ug/L
Barium, Dissolved	MW-13	1/19/06	11	7.4		ug/L
Barium, Dissolved	MW-15	1/19/06	9.8	7.4		ug/L
Barium, Dissolved	MW-20	1/19/06	12	7.4		ug/L
Barium, Dissolved	MW-21	1/19/06	13	7.4		ug/L
Barium, Dissolved	PZ-33	1/19/06	15	7.4		ug/L
Barium, Dissolved	FB-01	11/17/05	7.4	7.4	ND	ug/L
Barium, Dissolved	PZ-33	11/17/05	15	7.4		ug/L
Barium, Dissolved	PZ-29	8/26/05	19	7.4		ug/L
Barium, Dissolved	PZ-33	8/26/05	18	7.4		ug/L
Barium, Dissolved	MW-02C	8/18/05	36	7.4		ug/L
Barium, Dissolved	MW-05A	8/18/05	9.9	7.4		ug/L
Barium, Dissolved	MW-11	8/18/05	11	7.4		ug/L
Barium, Dissolved	MW-12	8/18/05	24	7.4		ug/L
Barium, Dissolved	MW-13	8/18/05	11	7.4		ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Barium, Dissolved	MW-15	8/18/05	10	7.4		ug/L
Barium, Dissolved	MW-20	8/18/05	14	7.4		ug/L
Barium, Dissolved	MW-21	8/18/05	15	7.4		ug/L
Barium, Dissolved	MW-13	6/30/05	11	7.4		ug/L
Barium, Dissolved	PZ-29	3/23/05	28	7.4		ug/L
Barium, Dissolved	PZ-33	3/23/05	18	7.4		ug/L
Barium, Dissolved	MW02C	3/17/05	22	7.4		ug/L
Barium, Dissolved	MW05A	3/17/05	9.8	7.4		ug/L
Barium, Dissolved	MW11	3/17/05	12	7.4		ug/L
Barium, Dissolved	MW12	3/17/05	23	7.4		ug/L
Barium, Dissolved	MW13	3/17/05	21	7.4		ug/L
Barium, Dissolved	MW15	3/17/05	12	7.4		ug/L
Barium, Dissolved	MW20	3/17/05	13	7.4		ug/L
Barium, Dissolved	MW21	3/17/05	17	7.4		ug/L
Barium, Dissolved	MW02C	9/2/04	36	7.4		ug/L
Barium, Dissolved	MW05A	9/2/04	9.8	7.4		ug/L
Barium, Dissolved	MW11	9/2/04	10	7.4		ug/L
Barium, Dissolved	MW12	9/2/04	25	7.4		ug/L
Barium, Dissolved	MW13	9/2/04	11	7.4		ug/L
Barium, Dissolved	MW15	9/2/04	11	7.4		ug/L
Barium, Dissolved	MW21	9/2/04	18	7.4		ug/L
Barium, Dissolved	PZ-29	5/26/04	39	7.4		ug/L
Barium, Dissolved	PZ-33	5/26/04	25	7.4		ug/L
Barium, Dissolved	PZ-29	4/2/04	32	7.4		ug/L
Barium, Dissolved	PZ-33	4/2/04	42	7.4		ug/L
Barium, Dissolved	MW11	3/26/04	13	7.4		ug/L
Barium, Dissolved	MW21	3/26/04	11	7.4		ug/L
Barium, Dissolved	MW13	3/26/04	13	7.4		ug/L
Barium, Dissolved	MW02C	3/26/04	47	7.4		ug/L
Barium, Dissolved	MW15	3/26/04	11	7.4		ug/L
Barium, Dissolved	MW05A	3/26/04	9.7	7.4		ug/L
Barium, Dissolved	MW12	3/26/04	18	7.4		ug/L
Barium, Dissolved	MW20	3/26/04	13	7.4		ug/L
Barium, Dissolved	PZ-33	12/30/03	34	7.4		ug/L
Barium, Dissolved	PZ-33	10/1/03	36	7.4		ug/L
Barium, Dissolved	PZ-30	10/1/03	16	7.4		ug/L
Barium, Dissolved	MW11	9/24/03	11	7.4		ug/L
Barium, Dissolved	MW21	9/24/03	13	7.4		ug/L
Barium, Dissolved	MW13	9/24/03	14	7.4		ug/L
Barium, Dissolved	MW15	9/24/03	15	7.4		ug/L
Barium, Dissolved	MW02C	9/24/03	26	7.4		ug/L
Barium, Dissolved	MW05A	9/24/03	9.3	7.4		ug/L
Barium, Dissolved	MW12	9/24/03	19	7.4		ug/L
Barium, Dissolved	MW20	9/24/03	14	7.4		ug/L
Barium, Dissolved	MW02C	5/15/03	49	7.4		ug/L
Barium, Dissolved	MW02C	3/20/03	130	7.4		ug/L
Barium, Dissolved	MW12	3/20/03	28	7.4		ug/L
Barium, Dissolved	MW11	3/20/03	12	7.4		ug/L
Barium, Dissolved	MW15	3/20/03	16	7.4		ug/L
Barium, Dissolved	MW13	3/20/03	19	7.4		ug/L
Barium, Dissolved	MW20	3/20/03	14	7.4		ug/L
Barium, Dissolved	MW21	3/20/03	24	7.4		ug/L
Barium, Dissolved	MW05A	3/20/03	12	7.4		ug/L
Barium, Dissolved	MW11	9/24/02	10	7.4		ug/L
Barium, Dissolved	MW21	9/24/02	12	7.4		ug/L
Barium, Dissolved	MW13	9/24/02	15	7.4		ug/L
Barium, Dissolved	MW02C	9/24/02	36	7.4		ug/L
Barium, Dissolved	MW15	9/24/02	24	7.4		ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Barium, Dissolved	MW05A	9/24/02	10	7.4		ug/L
Barium, Dissolved	MW12	9/24/02	19	7.4		ug/L
Barium, Dissolved	MW20	9/24/02	12	7.4		ug/L
Barium, Dissolved	MW11	3/12/02	10.1	7.4		ug/L
Barium, Dissolved	MW21	3/12/02	16.9	7.4		ug/L
Barium, Dissolved	MW13	3/12/02	12.7	7.4		ug/L
Barium, Dissolved	MW02C	3/12/02	32	7.4		ug/L
Barium, Dissolved	MW15	3/12/02	35.4	7.4		ug/L
Barium, Dissolved	MW05A	3/12/02	14.8	7.4		ug/L
Barium, Dissolved	MW12	3/12/02	28.7	7.4		ug/L
Barium, Dissolved	MW20	3/12/02	13.8	7.4		ug/L
Barium, Dissolved	MW02C	1/9/02	44.6	7.4		ug/L
Barium, Dissolved	MW11	9/25/01	200	200	ND	ug/L
Barium, Dissolved	MW21	9/25/01	200	200	ND	ug/L
Barium, Dissolved	MW13	9/25/01	200	200	ND	ug/L
Barium, Dissolved	MW02C	9/25/01	200	200	ND	ug/L
Barium, Dissolved	MW15	9/25/01	200	200	ND	ug/L
Barium, Dissolved	MW20	9/25/01	200	200	ND	ug/L
Barium, Dissolved	MW05A	9/25/01	200	200	ND	ug/L
Barium, Dissolved	MW12	9/25/01	200	200	ND	ug/L
Barium, Dissolved	MW02C	6/1/01	38.4	7.4		ug/L
Barium, Dissolved	MW11	3/14/01	9.4	7.4		ug/L
Barium, Dissolved	MW21	3/14/01	14.3	7.4		ug/L
Barium, Dissolved	MW13	3/14/01	23.2	7.4		ug/L
Barium, Dissolved	MW02C	3/14/01	44.5	7.4		ug/L
Barium, Dissolved	MW15	3/14/01	10.2	7.4		ug/L
Barium, Dissolved	MW05A	3/14/01	16.2	7.4		ug/L
Barium, Dissolved	MW20	3/14/01	13.6	7.4		ug/L
Barium, Dissolved	MW12	3/14/01	29.7	7.4		ug/L
Barium, Dissolved	MW02C	12/6/00	44.5	7.4		ug/L
Barium, Dissolved	MW11	9/26/00	11.1	7.4		ug/L
Barium, Dissolved	MW12	9/26/00	21.1	7.4		ug/L
Barium, Dissolved	MW20	9/26/00	14.1	7.4		ug/L
Barium, Dissolved	MW02C	9/26/00	46.9	7.4		ug/L
Barium, Dissolved	MW13	9/26/00	16.5	7.4		ug/L
Barium, Dissolved	MW15	9/26/00	12.3	7.4		ug/L
Barium, Dissolved	MW05A	9/26/00	10.4	7.4		ug/L
Barium, Dissolved	MW21	9/26/00	14.2	7.4		ug/L
Barium, Dissolved	MW11	3/21/00	16.4	7.4		ug/L
Barium, Dissolved	MW21	3/21/00	15.8	7.4		ug/L
Barium, Dissolved	MW13	3/21/00	17.4	7.4		ug/L
Barium, Dissolved	MW02B	3/21/00	24.6	7.4		ug/L
Barium, Dissolved	MW20	3/21/00	15.8	7.4		ug/L
Barium, Dissolved	MW15	3/21/00	13.8	7.4		ug/L
Barium, Dissolved	MW05A	3/21/00	9.8	7.4		ug/L
Barium, Dissolved	MW12	3/21/00	22.4	7.4		ug/L
Barium, Dissolved	MW13	9/21/99	11.1	7.4		ug/L
Barium, Dissolved	MW15	9/21/99	13.5	7.4		ug/L
Barium, Dissolved	MW05A	9/21/99	9.6	7.4		ug/L
Barium, Dissolved	MW21	9/21/99	15.7	7.4		ug/L
Barium, Dissolved	MW11	9/21/99	12.5	7.4		ug/L
Barium, Dissolved	MW12	9/21/99	23.6	7.4		ug/L
Barium, Dissolved	MW20	9/21/99	15	7.4		ug/L
Barium, Dissolved	MW02B	9/21/99	23.9	7.4		ug/L
Barium, Dissolved	MW13	3/17/99	11.5	7.4		ug/L
Barium, Dissolved	MW05A	3/17/99	10.2	7.4		ug/L
Barium, Dissolved	MW15	3/16/99	13	7.4		ug/L
Barium, Dissolved	MW21	3/16/99	17.6	7.4		ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Barium, Dissolved	MW12	3/16/99	31.3	7.4		ug/L
Barium, Dissolved	MW20	3/16/99	17	7.4		ug/L
Barium, Dissolved	MW02B	3/15/99	26.8	7.4		ug/L
Barium, Dissolved	MW11	3/15/99	12.1	7.4		ug/L
Barium, Dissolved	PZ-26	2/25/99	50	50	ND	ug/L
Barium, Dissolved	MW06	2/25/99	192	50		ug/L
Barium, Dissolved	PZ-25	2/25/99	223	50		ug/L
Barium, Dissolved	MW03	2/25/99	50	50	ND	ug/L
Barium, Dissolved	MW02B	10/15/98	23.4	4		ug/L
Barium, Dissolved	MW05A	10/15/98	8.1	4		ug/L
Barium, Dissolved	MW11	10/15/98	11.1	4		ug/L
Barium, Dissolved	MW12	10/15/98	31.6	4		ug/L
Barium, Dissolved	MW13	10/15/98	12.1	4		ug/L
Barium, Dissolved	MW15	10/15/98	11.3	4		ug/L
Barium, Dissolved	MW20	10/15/98	14.8	4		ug/L
Barium, Dissolved	MW21	10/15/98	14.1	4		ug/L
Barium, Dissolved	MW02B	3/12/98	21.7	4		ug/L
Barium, Dissolved	MW05A	3/12/98	8.8	4		ug/L
Barium, Dissolved	MW11	3/12/98	10.5	4		ug/L
Barium, Dissolved	MW12	3/12/98	35.2	4		ug/L
Barium, Dissolved	MW13	3/12/98	12.8	4		ug/L
Barium, Dissolved	MW15	3/12/98	10.6	4		ug/L
Barium, Dissolved	MW20	3/12/98	14.8	4		ug/L
Barium, Dissolved	MW21	3/12/98	16.7	4		ug/L
Barium, Dissolved	MW02B	12/19/97	22.9	4		ug/L
Barium, Dissolved	MW05A	12/19/97	12.2	4		ug/L
Barium, Dissolved	MW11	12/19/97	11.3	4		ug/L
Barium, Dissolved	MW12	12/19/97	19	4		ug/L
Barium, Dissolved	MW13	12/19/97	11.8	4		ug/L
Barium, Dissolved	MW15	12/19/97	11.9	4		ug/L
Barium, Dissolved	MW20	12/19/97	18.9	4		ug/L
Barium, Dissolved	MW21	12/19/97	19.1	4		ug/L
Barium, Dissolved	MW05A	9/11/97	10.5	4		ug/L
Barium, Dissolved	MW11	9/11/97	10.5	4		ug/L
Barium, Dissolved	MW21	9/11/97	16.4	4		ug/L
Barium, Dissolved	MW02B	9/10/97	23	4		ug/L
Barium, Dissolved	MW12	9/10/97	20.7	4		ug/L
Barium, Dissolved	MW13	9/10/97	10.9	4		ug/L
Barium, Dissolved	MW15	9/10/97	10.5	4		ug/L
Barium, Dissolved	MW20	9/10/97	17.5	4		ug/L
Barium, Dissolved	MW02B	6/27/97	21.4	4		ug/L
Barium, Dissolved	MW05A	6/27/97	12.4	4		ug/L
Barium, Dissolved	MW11	6/27/97	12.6	4		ug/L
Barium, Dissolved	MW12	6/27/97	23.3	4		ug/L
Barium, Dissolved	MW13	6/27/97	14.6	4		ug/L
Barium, Dissolved	MW15	6/27/97	12.6	4		ug/L
Barium, Dissolved	MW20	6/27/97	17.6	4		ug/L
Barium, Dissolved	MW21	6/27/97	17.8	4		ug/L
Barium, Dissolved	MW02B	3/12/97	24.8	200	J	ug/L
Barium, Dissolved	MW05A	3/12/97	12.2	200	J	ug/L
Barium, Dissolved	MW11	3/12/97	10.8	200	J	ug/L
Barium, Dissolved	MW12	3/12/97	18.2	200	J	ug/L
Barium, Dissolved	MW13	3/12/97	14.9	200	J	ug/L
Barium, Dissolved	MW15	3/12/97	11.9	200	J	ug/L
Barium, Dissolved	MW20	3/12/97	18.6	200	J	ug/L
Barium, Dissolved	MW21	3/12/97	18.6	200	J	ug/L
Barium, Dissolved	MW02B	12/4/96	25	200	J	ug/L
Barium, Dissolved	MW05A	12/4/96	14.1	200	J	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Barium, Dissolved	MW11	12/4/96	12.7	200	J	ug/L
Barium, Dissolved	MW12	12/4/96	19.6	200	J	ug/L
Barium, Dissolved	MW13	12/4/96	5.7	200	J	ug/L
Barium, Dissolved	MW15	12/4/96	11	200	J	ug/L
Barium, Dissolved	MW20	12/4/96	24.5	200	J	ug/L
Barium, Dissolved	MW21	12/4/96	24.7	200	J	ug/L
Barium, Dissolved	MW02B	9/11/96	26.4	200	J	ug/L
Barium, Dissolved	MW05A	9/11/96	11.9	200	J	ug/L
Barium, Dissolved	MW11	9/11/96	11.2	200	J	ug/L
Barium, Dissolved	MW12	9/11/96	18.9	200	J	ug/L
Barium, Dissolved	MW13	9/11/96	14.5	200	J	ug/L
Barium, Dissolved	MW15	9/11/96	13.2	200	J	ug/L
Barium, Dissolved	MW20	9/11/96	31.5	200	J	ug/L
Barium, Dissolved	MW21	9/11/96	31.3	200	J	ug/L
Barium, Dissolved	MW02B	7/2/96	28	200	J	ug/L
Barium, Dissolved	MW05A	7/2/96	10.6	200	J	ug/L
Barium, Dissolved	MW11	7/2/96	13.6	200	J	ug/L
Barium, Dissolved	MW12	7/2/96	19.9	200	J	ug/L
Barium, Dissolved	MW13	7/2/96	14.5	200	J	ug/L
Barium, Dissolved	MW15	7/2/96	13.7	200	J	ug/L
Barium, Dissolved	MW20	7/2/96	35.3	200	J	ug/L
Barium, Dissolved	MW21	7/2/96	30.5	200	J	ug/L
Barium, Dissolved	MW01A	7/22/94	14.3	200	J	ug/L
Barium, Dissolved	MW02A	7/22/94	15.4	200	J	ug/L
Barium, Dissolved	MW03	7/22/94	15.7	200	J	ug/L
Barium, Dissolved	MW05	7/22/94	17	200	J	ug/L
Barium, Dissolved	MW06	7/22/94	114	200	J	ug/L
Barium, Dissolved	MW05A	5/12/94	50.5	200	J	ug/L
Barium, Dissolved	MW15	4/26/94	37.3	200	J	ug/L
Barium, Dissolved	MW01A	4/25/94	15.6	200	J	ug/L
Barium, Dissolved	MW02A	4/25/94	18.6	200	J	ug/L
Barium, Dissolved	MW03	4/25/94	21.5	200	J	ug/L
Barium, Dissolved	MW05	4/25/94	23.5	200	J	ug/L
Barium, Dissolved	MW06	4/25/94	111	200	J	ug/L
Barium, Dissolved	MW01A	1/31/94	18.5	200	J	ug/L
Barium, Dissolved	MW02A	1/31/94	20.3	200	J	ug/L
Barium, Dissolved	MW03	1/31/94	22.1	200	J	ug/L
Barium, Dissolved	MW05	1/31/94	23.2	200	J	ug/L
Barium, Dissolved	MW06	1/31/94	82.4	200	J	ug/L
Barium, Dissolved	MW01A	1/23/86	40	10		ug/L
Barium, Dissolved	MW02A	1/23/86	40	10		ug/L
Barium, Dissolved	MW03	1/23/86	30	10		ug/L
Barium, Dissolved	MW05	1/23/86	30	10		ug/L
Barium, Dissolved	MW06	1/23/86	40	10		ug/L
Barium, Dissolved	MW01A	1/28/85	10	10	ND	ug/L
Barium, Dissolved	MW02A	1/28/85	10	10	ND	ug/L
Barium, Dissolved	MW03	1/28/85	10	10	ND	ug/L
Barium, Dissolved	MW05	1/28/85	10	10	ND	ug/L
Barium, Dissolved	MW06	1/28/85	80	10		ug/L
Barium, Total	MW-02C	8/2/06	32	7.4		ug/L
Barium, Total	MW-05A	8/2/06	9	7.4		ug/L
Barium, Total	MW-11	8/2/06	9.6	7.4		ug/L
Barium, Total	MW-12	8/2/06	19	7.4		ug/L
Barium, Total	MW-13	8/2/06	14	7.4		ug/L
Barium, Total	MW-15	8/2/06	11	7.4		ug/L
Barium, Total	MW-20	8/2/06	12	7.4		ug/L
Barium, Total	MW-21	8/2/06	12	7.4		ug/L
Barium, Total	DUP-01	4/19/06	17	7.4		ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Barium, Total	FB-01	4/19/06	7.4	7.4	ND	ug/L
Barium, Total	MW-29A	4/19/06	17	7.4		ug/L
Barium, Total	MW-32	4/19/06	36	7.4		ug/L
Barium, Total	PZ-26	4/19/06	11	7.4		ug/L
Barium, Total	SW001	3/20/06	24	10		ug/L
Barium, Total	DUP-01	11/3/05	14	7.4		ug/L
Barium, Total	FB-01	11/3/05	7.4	7.4	ND	ug/L
Barium, Total	MW-29A	11/3/05	18	7.4		ug/L
Barium, Total	MW-32	11/3/05	37	7.4		ug/L
Barium, Total	PZ-26	11/3/05	13	7.4		ug/L
Barium, Total	MW01A	7/22/94	16.6	200	J	ug/L
Barium, Total	MW02A	7/22/94	17.5	200	J	ug/L
Barium, Total	MW03	7/22/94	18.6	200	J	ug/L
Barium, Total	MW05	7/22/94	19.2	200	J	ug/L
Barium, Total	MW06	7/22/94	118	200	J	ug/L
Barium, Total	MW05A	5/12/94	67.3	200	J	ug/L
Barium, Total	MW15	4/26/94	32.9	200	J	ug/L
Barium, Total	MW01A	4/25/94	14.9	200	J	ug/L
Barium, Total	MW02A	4/25/94	19.2	200	J	ug/L
Barium, Total	MW03	4/25/94	33.3	200	J	ug/L
Barium, Total	MW05	4/25/94	18.1	200	J	ug/L
Barium, Total	MW06	4/25/94	94.1	200	J	ug/L
Barium, Total	MW01A	1/31/94	17.5	200	J	ug/L
Barium, Total	MW02A	1/31/94	19.4	200	J	ug/L
Barium, Total	MW03	1/31/94	25	200	J	ug/L
Barium, Total	MW05	1/31/94	22.3	200	J	ug/L
Barium, Total	MW06	1/31/94	70.5	200	J	ug/L
Barium, Total	MW01A	10/18/93	13.9	200	J	ug/L
Barium, Total	MW02A	10/18/93	16.3	200	J	ug/L
Barium, Total	MW03	10/18/93	24.8	200	J	ug/L
Barium, Total	MW05	10/18/93	20.8	200	J	ug/L
Barium, Total	MW06	10/18/93	88.2	200	J	ug/L
Barium, Total	MW03	7/27/93	28.4	200	J	ug/L
Barium, Total	MW06	7/27/93	411	200		ug/L
Barium, Total	MW01A	7/26/93	17.3	200	J	ug/L
Barium, Total	MW02A	7/26/93	19.6	200	J	ug/L
Barium, Total	MW05	7/26/93	17.3	200	J	ug/L
BENZ[A]ANTHRACENE	MW02A	5/21/92	1	10	ND	ug/L
Benzene	PZ-32	7/28/06	5	5	ND	ug/L
Benzene	MW-02C	7/20/06	5	5	ND	ug/L
Benzene	MW-05A	7/20/06	5	5	ND	ug/L
Benzene	MW-11	7/20/06	5	5	ND	ug/L
Benzene	MW-12	7/20/06	5	5	ND	ug/L
Benzene	MW-13	7/20/06	5	5	ND	ug/L
Benzene	MW-15	7/20/06	5	5	ND	ug/L
Benzene	MW-20	7/20/06	5	5	ND	ug/L
Benzene	MW-21	7/20/06	5	5	ND	ug/L
Benzene	PZ-33	7/20/06	5	5	ND	ug/L
Benzene	MW-10	5/12/06	5	5	ND	ug/L
Benzene	PZ-32	5/12/06	5	5	ND	ug/L
Benzene	DUP-01	4/19/06	5	5	ND	ug/L
Benzene	FB-01	4/19/06	5	5	ND	ug/L
Benzene	MW-29A	4/19/06	5	5	ND	ug/L
Benzene	MW-32	4/19/06	5	5	ND	ug/L
Benzene	PZ-26	4/19/06	5	5	ND	ug/L
Benzene	PZ-32	1/24/06	5	5	ND	ug/L
Benzene	MW-02C	1/19/06	5	5	ND	ug/L
Benzene	MW-05A	1/19/06	5	5	ND	ug/L

Technically Complete
2592

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Benzene	MW-11	1/19/06	5	5	ND	ug/L
Benzene	MW-12	1/19/06	5	5	ND	ug/L
Benzene	MW-13	1/19/06	5	5	ND	ug/L
Benzene	MW-15	1/19/06	5	5	ND	ug/L
Benzene	MW-20	1/19/06	5	5	ND	ug/L
Benzene	MW-21	1/19/06	5	5	ND	ug/L
Benzene	PZ-33	1/19/06	5	5	ND	ug/L
Benzene	FB-01	11/17/05	5	5	ND	ug/L
Benzene	PZ-30	11/17/05	5	5	ND	ug/L
Benzene	PZ-33	11/17/05	5	5	ND	ug/L
Benzene	TRIP BLANK	11/17/05	5	5	ND	ug/L
Benzene	DUP-01	11/3/05	5	5	ND	ug/L
Benzene	FB-01	11/3/05	5	5	ND	ug/L
Benzene	MW-29A	11/3/05	5	5	ND	ug/L
Benzene	MW-32	11/3/05	5	5	ND	ug/L
Benzene	PZ-26	11/3/05	5	5	ND	ug/L
Benzene	TRIP BLANK	11/3/05	5	5	ND	ug/L
Benzene	PZ-29	8/26/05	5	5	ND	ug/L
Benzene	PZ-33	8/26/05	5	5	ND	ug/L
Benzene	MW-02C	8/18/05	5	5	ND	ug/L
Benzene	MW-05A	8/18/05	5	5	ND	ug/L
Benzene	MW-11	8/18/05	5	5	ND	ug/L
Benzene	MW-12	8/18/05	5	5	ND	ug/L
Benzene	MW-13	8/18/05	5	5	ND	ug/L
Benzene	MW-15	8/18/05	5	5	ND	ug/L
Benzene	MW-20	8/18/05	5	5	ND	ug/L
Benzene	MW-21	8/18/05	5	5	ND	ug/L
Benzene	MW07	3/23/05	5	5	ND	ug/L
Benzene	MW33	3/23/05	5	5	ND	ug/L
Benzene	PZ-29	3/23/05	5	5	ND	ug/L
Benzene	PZ-30	3/23/05	5	5	ND	ug/L
Benzene	PZ-32	3/23/05	5	5	ND	ug/L
Benzene	PZ-33	3/23/05	5	5	ND	ug/L
Benzene	MW02C	3/17/05	5	5	ND	ug/L
Benzene	MW05A	3/17/05	5	5	ND	ug/L
Benzene	MW11	3/17/05	5	5	ND	ug/L
Benzene	MW12	3/17/05	5	5	ND	ug/L
Benzene	MW13	3/17/05	5	5	ND	ug/L
Benzene	MW15	3/17/05	5	5	ND	ug/L
Benzene	MW20	3/17/05	5	5	ND	ug/L
Benzene	MW21	3/17/05	5	5	ND	ug/L
Benzene	MW02C	9/2/04	5	5	ND	ug/L
Benzene	MW05A	9/2/04	5	5	ND	ug/L
Benzene	MW11	9/2/04	5	5	ND	ug/L
Benzene	MW12	9/2/04	5	5	ND	ug/L
Benzene	MW13	9/2/04	5	5	ND	ug/L
Benzene	MW15	9/2/04	5	5	ND	ug/L
Benzene	MW20	9/2/04	5	5	ND	ug/L
Benzene	MW21	9/2/04	5	5	ND	ug/L
Benzene	MW32	5/26/04	5	5	ND	ug/L
Benzene	MW29A	5/26/04	5	5	ND	ug/L
Benzene	PZ-31	5/26/04	5	5	ND	ug/L
Benzene	PZ-26	5/26/04	5	5	ND	ug/L
Benzene	PZ-29	5/26/04	5	5	ND	ug/L
Benzene	PZ-33	5/26/04	5	5	ND	ug/L
Benzene	MW33	5/26/04	5	5	ND	ug/L
Benzene	PZ-30	5/26/04	5	5	ND	ug/L
Benzene	MW1X	5/26/04	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Benzene	PZ-29	5/7/04	5	5	ND	ug/L
Benzene	PZ-28	4/2/04	5	5	ND	ug/L
Benzene	PZ-29	4/2/04	6.3	5		ug/L
Benzene	PZ-32	4/2/04	5	5	ND	ug/L
Benzene	PZ-33	4/2/04	5	5	ND	ug/L
Benzene	MW33	4/2/04	5	5	ND	ug/L
Benzene	PZ-30	4/2/04	5	5	ND	ug/L
Benzene	MW11	3/26/04	5	5	ND	ug/L
Benzene	MW21	3/26/04	5	5	ND	ug/L
Benzene	MW13	3/26/04	5	5	ND	ug/L
Benzene	MW02C	3/26/04	5	5	ND	ug/L
Benzene	MW15	3/26/04	5	5	ND	ug/L
Benzene	MW05A	3/26/04	5	5	ND	ug/L
Benzene	MW12	3/26/04	5	5	ND	ug/L
Benzene	MW20	3/26/04	5	5	ND	ug/L
Benzene	PZ-29	12/30/03	5	5	ND	ug/L
Benzene	PZ-33	12/30/03	5	5	ND	ug/L
Benzene	PZ-30	12/30/03	5	5	ND	ug/L
Benzene	PZ-27	12/30/03	5	5	ND	ug/L
Benzene	PZ-29	11/11/03	5	5	ND	ug/L
Benzene	PZ-33	11/11/03	5	5	ND	ug/L
Benzene	PZ-30	11/11/03	5	5	ND	ug/L
Benzene	PZ-26	10/22/03	5	5	ND	ug/L
Benzene	MW29A	10/22/03	5	5	ND	ug/L
Benzene	MW32	10/22/03	5	5	ND	ug/L
Benzene	PZ-29	10/1/03	14	5		ug/L
Benzene	PZ-33	10/1/03	10	5		ug/L
Benzene	PZ-30	10/1/03	5	5	ND	ug/L
Benzene	MW33	10/1/03	5	5	ND	ug/L
Benzene	PZ-32	10/1/03	15	5		ug/L
Benzene	PZ-27	10/1/03	5	5	ND	ug/L
Benzene	MW11	9/24/03	5	5	ND	ug/L
Benzene	MW21	9/24/03	5	5	ND	ug/L
Benzene	MW13	9/24/03	5	5	ND	ug/L
Benzene	MW15	9/24/03	5	5	ND	ug/L
Benzene	MW02C	9/24/03	5	5	ND	ug/L
Benzene	MW05A	9/24/03	5	5	ND	ug/L
Benzene	MW12	9/24/03	5	5	ND	ug/L
Benzene	MW20	9/24/03	5	5	ND	ug/L
Benzene	MW33	7/25/03	5	5	ND	ug/L
Benzene	PZ-30	7/25/03	5	5	ND	ug/L
Benzene	MW32	5/15/03	5	5	ND	ug/L
Benzene	MW29A	5/15/03	5	5	ND	ug/L
Benzene	PZ-26	5/15/03	5	5	ND	ug/L
Benzene	MW02C	3/20/03	5	5	ND	ug/L
Benzene	MW12	3/20/03	5	5	ND	ug/L
Benzene	MW11	3/20/03	5	5	ND	ug/L
Benzene	MW15	3/20/03	5	5	ND	ug/L
Benzene	MW13	3/20/03	5	5	ND	ug/L
Benzene	MW20	3/20/03	5	5	ND	ug/L
Benzene	MW21	3/20/03	5	5	ND	ug/L
Benzene	MW05A	3/20/03	5	5	ND	ug/L
Benzene	PZ-26	11/1/02	5	5	ND	ug/L
Benzene	MW29A	11/1/02	5	5	ND	ug/L
Benzene	MW32	11/1/02	5	5	ND	ug/L
Benzene	MW11	9/24/02	5	5	ND	ug/L
Benzene	MW21	9/24/02	5	5	ND	ug/L
Benzene	MW13	9/24/02	5	5	ND	ug/L

Technically Complete
2594

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Benzene	MW02C	9/24/02	5	5	ND	ug/L
Benzene	MW15	9/24/02	5	5	ND	ug/L
Benzene	MW05A	9/24/02	5	5	ND	ug/L
Benzene	MW12	9/24/02	5	5	ND	ug/L
Benzene	MW20	9/24/02	5	5	ND	ug/L
Benzene	MW11	3/12/02	5	5	ND	ug/L
Benzene	MW21	3/12/02	5	5	ND	ug/L
Benzene	MW13	3/12/02	5	5	ND	ug/L
Benzene	MW02C	3/12/02	5	5	ND	ug/L
Benzene	MW15	3/12/02	5	5	ND	ug/L
Benzene	MW05A	3/12/02	5	5	ND	ug/L
Benzene	MW12	3/12/02	5	5	ND	ug/L
Benzene	MW20	3/12/02	5	5	ND	ug/L
Benzene	MW02C	1/9/02	5	5	ND	ug/L
Benzene	PZ-26	10/31/01	5	5	ND	ug/L
Benzene	MW29A	10/31/01	5	5	ND	ug/L
Benzene	MW11	9/25/01	5	5	ND	ug/L
Benzene	MW21	9/25/01	5	5	ND	ug/L
Benzene	MW13	9/25/01	5	5	ND	ug/L
Benzene	MW02C	9/25/01	5	5	ND	ug/L
Benzene	MW15	9/25/01	5	5	ND	ug/L
Benzene	MW20	9/25/01	5	5	ND	ug/L
Benzene	MW05A	9/25/01	5	5	ND	ug/L
Benzene	MW12	9/25/01	5	5	ND	ug/L
Benzene	PZ-26	6/29/01	5	5	ND	ug/L
Benzene	MW29A	6/29/01	5	5	ND	ug/L
Benzene	MW02C	6/1/01	5	5	ND	ug/L
Benzene	MW11	3/14/01	5	5	ND	ug/L
Benzene	MW21	3/14/01	5	5	ND	ug/L
Benzene	MW13	3/14/01	5	5	ND	ug/L
Benzene	MW02C	3/14/01	5	5	ND	ug/L
Benzene	MW15	3/14/01	5	5	ND	ug/L
Benzene	MW05A	3/14/01	5	5	ND	ug/L
Benzene	MW20	3/14/01	5	5	ND	ug/L
Benzene	MW12	3/14/01	5	5	ND	ug/L
Benzene	MW02C	12/6/00	5	5	ND	ug/L
Benzene	MW11	9/26/00	5	5	ND	ug/L
Benzene	MW12	9/26/00	5	5	ND	ug/L
Benzene	MW20	9/26/00	5	5	ND	ug/L
Benzene	MW02C	9/26/00	5	5	ND	ug/L
Benzene	MW13	9/26/00	5	5	ND	ug/L
Benzene	MW15	9/26/00	5	5	ND	ug/L
Benzene	MW05A	9/26/00	5	5	ND	ug/L
Benzene	MW21	9/26/00	5	5	ND	ug/L
Benzene	MW30	3/21/00	0.33	5	J	ug/L
Benzene	MW11	3/21/00	5	5	ND	ug/L
Benzene	MW21	3/21/00	5	5	ND	ug/L
Benzene	MW13	3/21/00	5	5	ND	ug/L
Benzene	MW02B	3/21/00	5	5	ND	ug/L
Benzene	MW20	3/21/00	5	5	ND	ug/L
Benzene	MW15	3/21/00	5	5	ND	ug/L
Benzene	MW05A	3/21/00	5	5	ND	ug/L
Benzene	MW12	3/21/00	5	5	ND	ug/L
Benzene	MW29A	3/20/00	5	5	ND	ug/L
Benzene	PZ-26	3/16/00	0.14	5	J	ug/L
Benzene	MW13	9/21/99	5	5	ND	ug/L
Benzene	MW15	9/21/99	5	5	ND	ug/L
Benzene	MW05A	9/21/99	5	5	ND	ug/L

Technically Complete
2595

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Benzene	MW21	9/21/99	5	5	ND	ug/L
Benzene	MW11	9/21/99	5	5	ND	ug/L
Benzene	MW12	9/21/99	5	5	ND	ug/L
Benzene	MW20	9/21/99	5	5	ND	ug/L
Benzene	MW02B	9/21/99	5	5	ND	ug/L
Benzene	MW13	3/17/99	5	5	ND	ug/L
Benzene	MW05A	3/17/99	5	5	ND	ug/L
Benzene	MW15	3/16/99	5	5	ND	ug/L
Benzene	MW21	3/16/99	5	5	ND	ug/L
Benzene	MW12	3/16/99	5	5	ND	ug/L
Benzene	MW20	3/16/99	5	5	ND	ug/L
Benzene	MW02B	3/15/99	5	5	ND	ug/L
Benzene	MW11	3/15/99	5	5	ND	ug/L
Benzene	PZ-26	2/25/99	5	5	ND	ug/L
Benzene	MW06	2/25/99	5	5	ND	ug/L
Benzene	PZ-25	2/25/99	5	5	ND	ug/L
Benzene	MW03	2/25/99	5	5	ND	ug/L
Benzene	MW02B	10/15/98	0.2	5	ND	ug/L
Benzene	MW05A	10/15/98	0.2	5	ND	ug/L
Benzene	MW11	10/15/98	0.2	5	ND	ug/L
Benzene	MW12	10/15/98	0.2	5	ND	ug/L
Benzene	MW13	10/15/98	0.2	5	ND	ug/L
Benzene	MW15	10/15/98	0.2	5	ND	ug/L
Benzene	MW20	10/15/98	0.2	5	ND	ug/L
Benzene	MW21	10/15/98	0.2	5	ND	ug/L
Benzene	MW02B	3/12/98	0.2	5	ND	ug/L
Benzene	MW05A	3/12/98	0.2	5	ND	ug/L
Benzene	MW11	3/12/98	0.2	5	ND	ug/L
Benzene	MW12	3/12/98	0.2	5	ND	ug/L
Benzene	MW13	3/12/98	0.2	5	ND	ug/L
Benzene	MW15	3/12/98	0.2	5	ND	ug/L
Benzene	MW20	3/12/98	0.2	5	ND	ug/L
Benzene	MW21	3/12/98	0.2	5	ND	ug/L
Benzene	MW02B	12/19/97	0.2	5	ND	ug/L
Benzene	MW05A	12/19/97	0.2	5	ND	ug/L
Benzene	MW11	12/19/97	0.2	5	ND	ug/L
Benzene	MW12	12/19/97	0.2	5	ND	ug/L
Benzene	MW13	12/19/97	0.2	5	ND	ug/L
Benzene	MW15	12/19/97	0.2	5	ND	ug/L
Benzene	MW20	12/19/97	0.2	5	ND	ug/L
Benzene	MW21	12/19/97	0.2	5	ND	ug/L
Benzene	MW05A	9/11/97	0.2	5	ND	ug/L
Benzene	MW11	9/11/97	0.2	5	ND	ug/L
Benzene	MW21	9/11/97	0.2	5	ND	ug/L
Benzene	MW02B	9/10/97	0.2	5	ND	ug/L
Benzene	MW12	9/10/97	0.2	5	ND	ug/L
Benzene	MW13	9/10/97	0.2	5	ND	ug/L
Benzene	MW15	9/10/97	0.2	5	ND	ug/L
Benzene	MW20	9/10/97	0.2	5	ND	ug/L
Benzene	MW02B	6/27/97	0.2	5	ND	ug/L
Benzene	MW05A	6/27/97	0.2	5	ND	ug/L
Benzene	MW11	6/27/97	0.2	5	ND	ug/L
Benzene	MW12	6/27/97	0.2	5	ND	ug/L
Benzene	MW13	6/27/97	0.2	5	ND	ug/L
Benzene	MW15	6/27/97	0.2	5	ND	ug/L
Benzene	MW20	6/27/97	0.2	5	ND	ug/L
Benzene	MW21	6/27/97	0.2	5	ND	ug/L
Benzene	MW02B	3/12/97	0.2	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Benzene	MW05A	3/12/97	0.2	5	ND	ug/L
Benzene	MW11	3/12/97	0.2	5	ND	ug/L
Benzene	MW12	3/12/97	0.2	5	ND	ug/L
Benzene	MW13	3/12/97	0.2	5	ND	ug/L
Benzene	MW15	3/12/97	0.2	5	ND	ug/L
Benzene	MW20	3/12/97	0.2	5	ND	ug/L
Benzene	MW21	3/12/97	0.2	5	ND	ug/L
Benzene	MW02B	12/4/96	0.2	5	ND	ug/L
Benzene	MW05A	12/4/96	0.2	5	ND	ug/L
Benzene	MW11	12/4/96	0.2	5	ND	ug/L
Benzene	MW12	12/4/96	0.2	5	ND	ug/L
Benzene	MW13	12/4/96	0.2	5	ND	ug/L
Benzene	MW15	12/4/96	0.2	5	ND	ug/L
Benzene	MW20	12/4/96	0.2	5	ND	ug/L
Benzene	MW21	12/4/96	0.2	5	ND	ug/L
Benzene	MW02B	9/11/96	0.2	5	ND	ug/L
Benzene	MW05A	9/11/96	0.2	5	ND	ug/L
Benzene	MW11	9/11/96	0.2	5	ND	ug/L
Benzene	MW12	9/11/96	0.2	5	ND	ug/L
Benzene	MW13	9/11/96	0.2	5	ND	ug/L
Benzene	MW15	9/11/96	0.2	5	ND	ug/L
Benzene	MW20	9/11/96	0.2	5	ND	ug/L
Benzene	MW21	9/11/96	0.2	5	ND	ug/L
Benzene	MW02B	7/2/96	0.2	5	ND	ug/L
Benzene	MW05A	7/2/96	0.2	5	ND	ug/L
Benzene	MW11	7/2/96	0.2	5	ND	ug/L
Benzene	MW12	7/2/96	0.2	5	ND	ug/L
Benzene	MW13	7/2/96	0.2	5	ND	ug/L
Benzene	MW15	7/2/96	0.2	5	ND	ug/L
Benzene	MW20	7/2/96	0.2	5	ND	ug/L
Benzene	MW21	7/2/96	0.2	5	ND	ug/L
Benzene	MW01A	7/22/94	0.2	5	ND	ug/L
Benzene	MW02A	7/22/94	0.2	5	ND	ug/L
Benzene	MW03	7/22/94	0.2	5	ND	ug/L
Benzene	MW05	7/22/94	0.2	5	ND	ug/L
Benzene	MW06	7/22/94	0.2	5	ND	ug/L
Benzene	MW05A	5/12/94	0.1	5	ND	ug/L
Benzene	MW15	4/26/94	0.1	5	ND	ug/L
Benzene	MW01A	4/25/94	0.1	5	ND	ug/L
Benzene	MW02A	4/25/94	0.1	5	ND	ug/L
Benzene	MW03	4/25/94	0.1	5	ND	ug/L
Benzene	MW05	4/25/94	0.1	5	ND	ug/L
Benzene	MW06	4/25/94	0.1	5	ND	ug/L
Benzene	MW01A	1/31/94	0.1	5	ND	ug/L
Benzene	MW02A	1/31/94	0.1	5	ND	ug/L
Benzene	MW03	1/31/94	0.1	5	ND	ug/L
Benzene	MW05	1/31/94	0.3	5	J	ug/L
Benzene	MW06	1/31/94	0.1	5	ND	ug/L
Benzene	MW01A	10/18/93	0.1	5	ND	ug/L
Benzene	MW02A	10/18/93	0.1	5	ND	ug/L
Benzene	MW03	10/18/93	0.1	5	J	ug/L
Benzene	MW05	10/18/93	0.6	5	J	ug/L
Benzene	MW06	10/18/93	0.1	5	ND	ug/L
Benzene	MW03	7/27/93	0.1	5	J	ug/L
Benzene	MW06	7/27/93	0.1	5	ND	ug/L
Benzene	MW01A	7/26/93	0.1	5	ND	ug/L
Benzene	MW02A	7/26/93	0.1	5	ND	ug/L
Benzene	MW05	7/26/93	0.1	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Benzene	MW02A	5/21/92	1	5	ND	ug/L
Benzene	MW01A	11/7/91	0.1	5	ND	ug/L
Benzene	MW02A	11/7/91	0.1	5	ND	ug/L
Benzene	MW03	11/7/91	0.1	5	ND	ug/L
Benzene	MW05	11/7/91	0.1	5	ND	ug/L
Benzene	MW06	11/7/91	0.1	5	ND	ug/L
Benzidine	MW02A	5/21/92	10	50	ND	ug/L
Benzo(a)anthracene	MW30	3/21/00	10	10	ND	ug/L
Benzo(a)anthracene	MW29A	3/20/00	10	10	ND	ug/L
Benzo(a)anthracene	PZ-26	3/16/00	10	10	ND	ug/L
Benzo(a)pyrene	MW30	3/21/00	10	10	ND	ug/L
Benzo(a)pyrene	MW29A	3/20/00	10	10	ND	ug/L
Benzo(a)pyrene	PZ-26	3/16/00	10	10	ND	ug/L
Benzo(b)fluoranthene	MW30	3/21/00	10	10	ND	ug/L
Benzo(b)fluoranthene	MW29A	3/20/00	10	10	ND	ug/L
Benzo(b)fluoranthene	PZ-26	3/16/00	10	10	ND	ug/L
Benzo(ghi)perylene	MW30	3/21/00	10	10	ND	ug/L
Benzo(ghi)perylene	MW29A	3/20/00	10	10	ND	ug/L
Benzo(ghi)perylene	PZ-26	3/16/00	10	10	ND	ug/L
Benzo(k)fluoranthene	MW30	3/21/00	10	10	ND	ug/L
Benzo(k)fluoranthene	MW29A	3/20/00	10	10	ND	ug/L
Benzo(k)fluoranthene	PZ-26	3/16/00	10	10	ND	ug/L
BENZO[A]PYRENE	MW02A	5/21/92	1	10	ND	ug/L
BENZO[B]FLUORANTHENE	MW02A	5/21/92	2	10	ND	ug/L
BENZO[G,H,I]PERYLENE	MW02A	5/21/92	1	10	ND	ug/L
BENZO[K]FLUORANTHENE	MW02A	5/21/92	1	10	ND	ug/L
Benzyl alcohol	MW30	3/21/00	20	20	ND	ug/L
Benzyl alcohol	MW29A	3/20/00	20	20	ND	ug/L
Benzyl alcohol	PZ-26	3/16/00	20	20	ND	ug/L
Beryllium	MW32	5/26/04	2	2	ND	ug/L
Beryllium	MW29A	5/26/04	2	2	ND	ug/L
Beryllium	PZ-31	5/26/04	2	2	ND	ug/L
Beryllium	PZ-26	5/26/04	2	2	ND	ug/L
Beryllium	MW1X	5/26/04	2	2	ND	ug/L
Beryllium	PZ-26	10/22/03	2.2	2		ug/L
Beryllium	MW29A	10/22/03	2	2	ND	ug/L
Beryllium	MW32	10/22/03	2	2	ND	ug/L
Beryllium	MW32	5/15/03	2	2	ND	ug/L
Beryllium	MW29A	5/15/03	2	2	ND	ug/L
Beryllium	PZ-26	5/15/03	2	2	ND	ug/L
Beryllium	PZ-26	11/1/02	2	2	ND	ug/L
Beryllium	MW29A	11/1/02	2	2	ND	ug/L
Beryllium	MW32	11/1/02	2	2	ND	ug/L
Beryllium	PZ-26	10/31/01	5	5	ND	ug/L
Beryllium	MW29A	10/31/01	5	5	ND	ug/L
Beryllium	PZ-26	6/29/01	5	5	ND	ug/L
Beryllium	MW29A	6/29/01	5	5	ND	ug/L
Beryllium	MW30	3/21/00	4	4	ND	ug/L
Beryllium	MW29A	3/20/00	4	4	ND	ug/L
Beryllium	PZ-26	3/16/00	4	4	ND	ug/L
Beryllium, Dissolved	PZ-32	7/28/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-02C	7/20/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-05A	7/20/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-11	7/20/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-12	7/20/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-13	7/20/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-15	7/20/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-20	7/20/06	2	2	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Beryllium, Dissolved	MW-21	7/20/06	2	2	ND	ug/L
Beryllium, Dissolved	PZ-33	7/20/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-10	5/12/06	2	2	ND	ug/L
Beryllium, Dissolved	PZ-32	5/12/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-02C	1/19/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-05A	1/19/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-11	1/19/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-12	1/19/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-13	1/19/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-15	1/19/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-20	1/19/06	2	2	ND	ug/L
Beryllium, Dissolved	MW-21	1/19/06	2	2	ND	ug/L
Beryllium, Dissolved	PZ-33	1/19/06	2	2	ND	ug/L
Beryllium, Dissolved	FB-01	11/17/05	2	2	ND	ug/L
Beryllium, Dissolved	PZ-33	11/17/05	2	2	ND	ug/L
Beryllium, Dissolved	PZ-29	8/26/05	2	2	ND	ug/L
Beryllium, Dissolved	PZ-33	8/26/05	2	2	ND	ug/L
Beryllium, Dissolved	MW-02C	8/18/05	2	2	ND	ug/L
Beryllium, Dissolved	MW-05A	8/18/05	2	2	ND	ug/L
Beryllium, Dissolved	MW-11	8/18/05	2	2	ND	ug/L
Beryllium, Dissolved	MW-12	8/18/05	2	2	ND	ug/L
Beryllium, Dissolved	MW-13	8/18/05	2	2	ND	ug/L
Beryllium, Dissolved	MW-15	8/18/05	2	2	ND	ug/L
Beryllium, Dissolved	MW-20	8/18/05	2	2	ND	ug/L
Beryllium, Dissolved	MW-21	8/18/05	2	2	ND	ug/L
Beryllium, Dissolved	PZ-29	3/23/05	2	2	ND	ug/L
Beryllium, Dissolved	PZ-33	3/23/05	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	3/17/05	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	3/17/05	2	2	ND	ug/L
Beryllium, Dissolved	MW11	3/17/05	2	2	ND	ug/L
Beryllium, Dissolved	MW12	3/17/05	2	2	ND	ug/L
Beryllium, Dissolved	MW13	3/17/05	2	2	ND	ug/L
Beryllium, Dissolved	MW15	3/17/05	2	2	ND	ug/L
Beryllium, Dissolved	MW20	3/17/05	2	2	ND	ug/L
Beryllium, Dissolved	MW21	3/17/05	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	9/2/04	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	9/2/04	2	2	ND	ug/L
Beryllium, Dissolved	MW11	9/2/04	2	2	ND	ug/L
Beryllium, Dissolved	MW12	9/2/04	2	2	ND	ug/L
Beryllium, Dissolved	MW13	9/2/04	2	2	ND	ug/L
Beryllium, Dissolved	MW15	9/2/04	2	2	ND	ug/L
Beryllium, Dissolved	MW21	9/2/04	2	2	ND	ug/L
Beryllium, Dissolved	PZ-29	5/26/04	2	2	ND	ug/L
Beryllium, Dissolved	PZ-33	5/26/04	2	2	ND	ug/L
Beryllium, Dissolved	PZ-29	4/2/04	2	2	ND	ug/L
Beryllium, Dissolved	PZ-33	4/2/04	2	2	ND	ug/L
Beryllium, Dissolved	MW11	3/26/04	2	2	ND	ug/L
Beryllium, Dissolved	MW21	3/26/04	2	2	ND	ug/L
Beryllium, Dissolved	MW13	3/26/04	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	3/26/04	2	2	ND	ug/L
Beryllium, Dissolved	MW15	3/26/04	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	3/26/04	2	2	ND	ug/L
Beryllium, Dissolved	MW12	3/26/04	2	2	ND	ug/L
Beryllium, Dissolved	MW20	3/26/04	2	2	ND	ug/L
Beryllium, Dissolved	PZ-33	12/30/03	2	2	ND	ug/L
Beryllium, Dissolved	PZ-33	10/1/03	2	2	ND	ug/L
Beryllium, Dissolved	PZ-30	10/1/03	2	2	ND	ug/L
Beryllium, Dissolved	MW11	9/24/03	2	2	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Beryllium, Dissolved	MW21	9/24/03	2	2	ND	ug/L
Beryllium, Dissolved	MW13	9/24/03	2	2	ND	ug/L
Beryllium, Dissolved	MW15	9/24/03	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	9/24/03	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	9/24/03	2	2	ND	ug/L
Beryllium, Dissolved	MW12	9/24/03	2	2	ND	ug/L
Beryllium, Dissolved	MW20	9/24/03	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	5/15/03	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	3/20/03	2	2	ND	ug/L
Beryllium, Dissolved	MW12	3/20/03	2	2	ND	ug/L
Beryllium, Dissolved	MW11	3/20/03	2	2	ND	ug/L
Beryllium, Dissolved	MW15	3/20/03	2	2	ND	ug/L
Beryllium, Dissolved	MW13	3/20/03	2	2	ND	ug/L
Beryllium, Dissolved	MW20	3/20/03	2	2	ND	ug/L
Beryllium, Dissolved	MW21	3/20/03	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	3/20/03	2	2	ND	ug/L
Beryllium, Dissolved	MW11	9/24/02	2	2	ND	ug/L
Beryllium, Dissolved	MW21	9/24/02	2	2	ND	ug/L
Beryllium, Dissolved	MW13	9/24/02	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	9/24/02	2	2	ND	ug/L
Beryllium, Dissolved	MW15	9/24/02	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	9/24/02	2	2	ND	ug/L
Beryllium, Dissolved	MW12	9/24/02	2	2	ND	ug/L
Beryllium, Dissolved	MW20	9/24/02	2	2	ND	ug/L
Beryllium, Dissolved	MW11	3/12/02	2	2	ND	ug/L
Beryllium, Dissolved	MW21	3/12/02	2	2	ND	ug/L
Beryllium, Dissolved	MW13	3/12/02	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	3/12/02	2	2	ND	ug/L
Beryllium, Dissolved	MW15	3/12/02	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	3/12/02	2	2	ND	ug/L
Beryllium, Dissolved	MW12	3/12/02	2	2	ND	ug/L
Beryllium, Dissolved	MW20	3/12/02	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	1/9/02	2	2	ND	ug/L
Beryllium, Dissolved	MW11	9/25/01	2	2	ND	ug/L
Beryllium, Dissolved	MW21	9/25/01	2	2	ND	ug/L
Beryllium, Dissolved	MW13	9/25/01	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	9/25/01	2	2	ND	ug/L
Beryllium, Dissolved	MW15	9/25/01	2	2	ND	ug/L
Beryllium, Dissolved	MW20	9/25/01	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	9/25/01	2	2	ND	ug/L
Beryllium, Dissolved	MW12	9/25/01	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	6/1/01	2	2	ND	ug/L
Beryllium, Dissolved	MW11	3/14/01	2	2	ND	ug/L
Beryllium, Dissolved	MW21	3/14/01	2	2	ND	ug/L
Beryllium, Dissolved	MW13	3/14/01	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	3/14/01	2	2	ND	ug/L
Beryllium, Dissolved	MW15	3/14/01	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	3/14/01	2	2	ND	ug/L
Beryllium, Dissolved	MW20	3/14/01	2	2	ND	ug/L
Beryllium, Dissolved	MW12	3/14/01	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	12/6/00	2	2	ND	ug/L
Beryllium, Dissolved	MW11	9/26/00	2	2	ND	ug/L
Beryllium, Dissolved	MW12	9/26/00	2	2	ND	ug/L
Beryllium, Dissolved	MW20	9/26/00	2	2	ND	ug/L
Beryllium, Dissolved	MW02C	9/26/00	2	2	ND	ug/L
Beryllium, Dissolved	MW13	9/26/00	2	2	ND	ug/L
Beryllium, Dissolved	MW15	9/26/00	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	9/26/00	2	2	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Beryllium, Dissolved	MW21	9/26/00	2	2	ND	ug/L
Beryllium, Dissolved	MW11	3/21/00	2	2	ND	ug/L
Beryllium, Dissolved	MW21	3/21/00	2	2	ND	ug/L
Beryllium, Dissolved	MW13	3/21/00	2	2	ND	ug/L
Beryllium, Dissolved	MW02B	3/21/00	2	2	ND	ug/L
Beryllium, Dissolved	MW20	3/21/00	2	2	ND	ug/L
Beryllium, Dissolved	MW15	3/21/00	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	3/21/00	2	2	ND	ug/L
Beryllium, Dissolved	MW12	3/21/00	2	2	ND	ug/L
Beryllium, Dissolved	MW13	9/21/99	2	2	ND	ug/L
Beryllium, Dissolved	MW15	9/21/99	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	9/21/99	2	2	ND	ug/L
Beryllium, Dissolved	MW21	9/21/99	2	2	ND	ug/L
Beryllium, Dissolved	MW11	9/21/99	2	2	ND	ug/L
Beryllium, Dissolved	MW12	9/21/99	2	2	ND	ug/L
Beryllium, Dissolved	MW20	9/21/99	2	2	ND	ug/L
Beryllium, Dissolved	MW02B	9/21/99	2	2	ND	ug/L
Beryllium, Dissolved	MW13	3/17/99	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	3/17/99	2	2	ND	ug/L
Beryllium, Dissolved	MW15	3/16/99	2	2	ND	ug/L
Beryllium, Dissolved	MW21	3/16/99	2	2	ND	ug/L
Beryllium, Dissolved	MW12	3/16/99	2	2	ND	ug/L
Beryllium, Dissolved	MW20	3/16/99	2	2	ND	ug/L
Beryllium, Dissolved	MW02B	3/15/99	2	2	ND	ug/L
Beryllium, Dissolved	MW11	3/15/99	2	2	ND	ug/L
Beryllium, Dissolved	PZ-26	2/25/99	2	2	ND	ug/L
Beryllium, Dissolved	MW06	2/25/99	2	2	ND	ug/L
Beryllium, Dissolved	PZ-25	2/25/99	2	2	ND	ug/L
Beryllium, Dissolved	MW03	2/25/99	2	2	ND	ug/L
Beryllium, Dissolved	MW02B	10/15/98	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	10/15/98	2	2	ND	ug/L
Beryllium, Dissolved	MW11	10/15/98	2	2	ND	ug/L
Beryllium, Dissolved	MW12	10/15/98	2	2	ND	ug/L
Beryllium, Dissolved	MW13	10/15/98	2	2	ND	ug/L
Beryllium, Dissolved	MW15	10/15/98	2	2	ND	ug/L
Beryllium, Dissolved	MW20	10/15/98	2	2	ND	ug/L
Beryllium, Dissolved	MW21	10/15/98	2	2	ND	ug/L
Beryllium, Dissolved	MW02B	3/12/98	2	2	ND	ug/L
Beryllium, Dissolved	MW05A	3/12/98	2	2	ND	ug/L
Beryllium, Dissolved	MW11	3/12/98	2	2	ND	ug/L
Beryllium, Dissolved	MW12	3/12/98	2	2	ND	ug/L
Beryllium, Dissolved	MW13	3/12/98	2	2	ND	ug/L
Beryllium, Dissolved	MW15	3/12/98	2	2	ND	ug/L
Beryllium, Dissolved	MW20	3/12/98	2	2	ND	ug/L
Beryllium, Dissolved	MW21	3/12/98	2	2	ND	ug/L
Beryllium, Dissolved	MW02B	12/19/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW05A	12/19/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW11	12/19/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW12	12/19/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW13	12/19/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW15	12/19/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW20	12/19/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW21	12/19/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW05A	9/11/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW11	9/11/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW21	9/11/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW02B	9/10/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW12	9/10/97	0.4	2	ND	ug/L

Technically Complete
2601

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Beryllium, Dissolved	MW13	9/10/97	0.7	2	J	ug/L
Beryllium, Dissolved	MW15	9/10/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW20	9/10/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW02B	6/27/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW05A	6/27/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW11	6/27/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW12	6/27/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW13	6/27/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW15	6/27/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW20	6/27/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW21	6/27/97	0.4	2	ND	ug/L
Beryllium, Dissolved	MW02B	3/12/97	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW05A	3/12/97	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW11	3/12/97	4.6	0.6		ug/L
Beryllium, Dissolved	MW12	3/12/97	4.4	0.6		ug/L
Beryllium, Dissolved	MW13	3/12/97	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW15	3/12/97	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW20	3/12/97	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW21	3/12/97	4.4	0.6		ug/L
Beryllium, Dissolved	MW02B	12/4/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW05A	12/4/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW11	12/4/96	2	3	ND	ug/L
Beryllium, Dissolved	MW12	12/4/96	2	3	ND	ug/L
Beryllium, Dissolved	MW13	12/4/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW15	12/4/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW20	12/4/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW21	12/4/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW02B	9/11/96	2	3	ND	ug/L
Beryllium, Dissolved	MW05A	9/11/96	2	3	ND	ug/L
Beryllium, Dissolved	MW11	9/11/96	2	3	ND	ug/L
Beryllium, Dissolved	MW12	9/11/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW13	9/11/96	2	3	ND	ug/L
Beryllium, Dissolved	MW15	9/11/96	2	3	ND	ug/L
Beryllium, Dissolved	MW20	9/11/96	2	3	ND	ug/L
Beryllium, Dissolved	MW21	9/11/96	2	3	ND	ug/L
Beryllium, Dissolved	MW02B	7/2/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW05A	7/2/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW11	7/2/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW12	7/2/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW13	7/2/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW15	7/2/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW20	7/2/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW21	7/2/96	0.4	0.6	ND	ug/L
Beryllium, Dissolved	MW01A	7/22/94	0.3	0.6	ND	ug/L
Beryllium, Dissolved	MW02A	7/22/94	0.3	0.6	ND	ug/L
Beryllium, Dissolved	MW03	7/22/94	0.3	0.6	ND	ug/L
Beryllium, Dissolved	MW05	7/22/94	0.3	0.6	ND	ug/L
Beryllium, Dissolved	MW06	7/22/94	0.3	0.6	ND	ug/L
Beryllium, Dissolved	MW05A	5/12/94	0.6	0.6	ND	ug/L
Beryllium, Dissolved	MW15	4/26/94	0.6	0.6	ND	ug/L
Beryllium, Dissolved	MW01A	4/25/94	0.6	0.6	ND	ug/L
Beryllium, Dissolved	MW02A	4/25/94	0.6	0.6	ND	ug/L
Beryllium, Dissolved	MW03	4/25/94	0.6	0.6	ND	ug/L
Beryllium, Dissolved	MW05	4/25/94	0.6	0.6	ND	ug/L
Beryllium, Dissolved	MW06	4/25/94	0.6	0.6	ND	ug/L
Beryllium, Dissolved	MW01A	1/31/94	0.6	5	ND	ug/L
Beryllium, Dissolved	MW02A	1/31/94	0.6	5	ND	ug/L
Beryllium, Dissolved	MW03	1/31/94	0.6	5	ND	ug/L

Technically Complete
2602

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Beryllium, Dissolved	MW05	1/31/94	0.6	5	ND	ug/L
Beryllium, Dissolved	MW06	1/31/94	0.6	5	ND	ug/L
Beryllium, Total	MW-02C	8/2/06	2	2	ND	ug/L
Beryllium, Total	MW-05A	8/2/06	2	2	ND	ug/L
Beryllium, Total	MW-11	8/2/06	2	2	ND	ug/L
Beryllium, Total	MW-12	8/2/06	2	2	ND	ug/L
Beryllium, Total	MW-13	8/2/06	2	2	ND	ug/L
Beryllium, Total	MW-15	8/2/06	2	2	ND	ug/L
Beryllium, Total	MW-20	8/2/06	2	2	ND	ug/L
Beryllium, Total	MW-21	8/2/06	2	2	ND	ug/L
Beryllium, Total	DUP-01	4/19/06	2	2	ND	ug/L
Beryllium, Total	FB-01	4/19/06	2	2	ND	ug/L
Beryllium, Total	MW-29A	4/19/06	2	2	ND	ug/L
Beryllium, Total	MW-32	4/19/06	2	2	ND	ug/L
Beryllium, Total	PZ-26	4/19/06	2	2	ND	ug/L
Beryllium, Total	DUP-01	11/3/05	2	2	ND	ug/L
Beryllium, Total	FB-01	11/3/05	2	2	ND	ug/L
Beryllium, Total	MW-29A	11/3/05	2	2	ND	ug/L
Beryllium, Total	MW-32	11/3/05	2	2	ND	ug/L
Beryllium, Total	PZ-26	11/3/05	2	2	ND	ug/L
Beryllium, Total	MW01A	7/22/94	0.3	0.6	ND	ug/L
Beryllium, Total	MW02A	7/22/94	0.3	0.6	ND	ug/L
Beryllium, Total	MW03	7/22/94	0.3	0.6	ND	ug/L
Beryllium, Total	MW05	7/22/94	0.3	0.6	ND	ug/L
Beryllium, Total	MW06	7/22/94	0.3	0.6	ND	ug/L
Beryllium, Total	MW05A	5/12/94	0.6	0.6	ND	ug/L
Beryllium, Total	MW15	4/26/94	0.6	0.6	ND	ug/L
Beryllium, Total	MW01A	4/25/94	0.6	0.6	ND	ug/L
Beryllium, Total	MW02A	4/25/94	0.6	0.6	ND	ug/L
Beryllium, Total	MW03	4/25/94	0.6	0.6	ND	ug/L
Beryllium, Total	MW05	4/25/94	0.6	0.6	ND	ug/L
Beryllium, Total	MW06	4/25/94	0.6	0.6	ND	ug/L
Beryllium, Total	MW01A	1/31/94	0.6	5	ND	ug/L
Beryllium, Total	MW02A	1/31/94	0.6	5	ND	ug/L
Beryllium, Total	MW03	1/31/94	0.6	5	ND	ug/L
Beryllium, Total	MW05	1/31/94	0.6	5	ND	ug/L
Beryllium, Total	MW06	1/31/94	0.6	5	ND	ug/L
Beryllium, Total	MW01A	10/18/93	0.6	5	ND	ug/L
Beryllium, Total	MW02A	10/18/93	0.6	5	ND	ug/L
Beryllium, Total	MW03	10/18/93	0.6	5	ND	ug/L
Beryllium, Total	MW05	10/18/93	0.6	5	ND	ug/L
Beryllium, Total	MW06	10/18/93	3	12	ND	ug/L
Beryllium, Total	MW03	7/27/93	0.6	5	ND	ug/L
Beryllium, Total	MW06	7/27/93	0.6	5	ND	ug/L
Beryllium, Total	MW01A	7/26/93	0.6	5	ND	ug/L
Beryllium, Total	MW02A	7/26/93	0.6	5	ND	ug/L
Beryllium, Total	MW05	7/26/93	0.6	5	ND	ug/L
beta-BHC	MW30	3/21/00	0.05	0.05	ND	ug/L
beta-BHC	MW29A	3/20/00	0.05	0.05	ND	ug/L
beta-BHC	PZ-26	3/16/00	0.05	0.05	ND	ug/L
Biochemical Oxygen Demand	MW06	4/4/91	1	2	J	mg/L
bis(2-Chloroethoxy)methane	MW30	3/21/00	10	10	ND	ug/L
bis(2-Chloroethoxy)methane	MW29A	3/20/00	10	10	ND	ug/L
bis(2-Chloroethoxy)methane	PZ-26	3/16/00	10	10	ND	ug/L
bis(2-Chloroethoxy)methane	MW02A	5/21/92	1	10	ND	ug/L
bis(2-Chloroethyl) ether	MW30	3/21/00	10	10	ND	ug/L
bis(2-Chloroethyl) ether	MW29A	3/20/00	10	10	ND	ug/L
bis(2-Chloroethyl) ether	PZ-26	3/16/00	10	10	ND	ug/L

Technically Complete
2603

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
bis(2-Chloroethyl) ether	MW02A	5/21/92	1	10	ND	ug/L
BIS(2-CHLOROISOPROPYL)ETHE	MW02A	5/21/92	1	10	ND	ug/L
bis(2-Ethylhexyl) phthalate	MW30	3/21/00	10	10	ND	ug/L
bis(2-Ethylhexyl) phthalate	MW29A	3/20/00	10	10	ND	ug/L
bis(2-Ethylhexyl) phthalate	PZ-26	3/16/00	10	10	ND	ug/L
bis(2-Ethylhexyl) phthalate	MW02A	5/21/92	5	50	ND	ug/L
Bromochloromethane	PZ-32	7/28/06	10	10	ND	ug/L
Bromochloromethane	MW-02C	7/20/06	10	10	ND	ug/L
Bromochloromethane	MW-05A	7/20/06	10	10	ND	ug/L
Bromochloromethane	MW-11	7/20/06	10	10	ND	ug/L
Bromochloromethane	MW-12	7/20/06	10	10	ND	ug/L
Bromochloromethane	MW-13	7/20/06	10	10	ND	ug/L
Bromochloromethane	MW-15	7/20/06	10	10	ND	ug/L
Bromochloromethane	MW-20	7/20/06	10	10	ND	ug/L
Bromochloromethane	MW-21	7/20/06	10	10	ND	ug/L
Bromochloromethane	PZ-33	7/20/06	10	10	ND	ug/L
Bromochloromethane	MW-10	5/12/06	10	10	ND	ug/L
Bromochloromethane	PZ-32	5/12/06	10	10	ND	ug/L
Bromochloromethane	PZ-32	1/24/06	10	10	ND	ug/L
Bromochloromethane	MW-02C	1/19/06	10	10	ND	ug/L
Bromochloromethane	MW-05A	1/19/06	10	10	ND	ug/L
Bromochloromethane	MW-11	1/19/06	10	10	ND	ug/L
Bromochloromethane	MW-12	1/19/06	10	10	ND	ug/L
Bromochloromethane	MW-13	1/19/06	10	10	ND	ug/L
Bromochloromethane	MW-15	1/19/06	10	10	ND	ug/L
Bromochloromethane	MW-20	1/19/06	10	10	ND	ug/L
Bromochloromethane	MW-21	1/19/06	10	10	ND	ug/L
Bromochloromethane	PZ-33	1/19/06	10	10	ND	ug/L
Bromochloromethane	FB-01	11/17/05	10	10	ND	ug/L
Bromochloromethane	PZ-30	11/17/05	10	10	ND	ug/L
Bromochloromethane	PZ-33	11/17/05	10	10	ND	ug/L
Bromochloromethane	TRIP BLANK	11/17/05	10	10	ND	ug/L
Bromochloromethane	PZ-29	8/26/05	10	10	ND	ug/L
Bromochloromethane	PZ-33	8/26/05	10	10	ND	ug/L
Bromochloromethane	MW-02C	8/18/05	10	10	ND	ug/L
Bromochloromethane	MW-05A	8/18/05	10	10	ND	ug/L
Bromochloromethane	MW-11	8/18/05	10	10	ND	ug/L
Bromochloromethane	MW-12	8/18/05	10	10	ND	ug/L
Bromochloromethane	MW-13	8/18/05	10	10	ND	ug/L
Bromochloromethane	MW-15	8/18/05	10	10	ND	ug/L
Bromochloromethane	MW-20	8/18/05	10	10	ND	ug/L
Bromochloromethane	MW-21	8/18/05	10	10	ND	ug/L
Bromochloromethane	MW07	3/23/05	10	10	ND	ug/L
Bromochloromethane	MW33	3/23/05	10	10	ND	ug/L
Bromochloromethane	PZ-29	3/23/05	10	10	ND	ug/L
Bromochloromethane	PZ-30	3/23/05	10	10	ND	ug/L
Bromochloromethane	PZ-32	3/23/05	10	10	ND	ug/L
Bromochloromethane	PZ-33	3/23/05	10	10	ND	ug/L
Bromochloromethane	MW02C	3/17/05	10	10	ND	ug/L
Bromochloromethane	MW05A	3/17/05	10	10	ND	ug/L
Bromochloromethane	MW11	3/17/05	10	10	ND	ug/L
Bromochloromethane	MW12	3/17/05	10	10	ND	ug/L
Bromochloromethane	MW13	3/17/05	10	10	ND	ug/L
Bromochloromethane	MW15	3/17/05	10	10	ND	ug/L
Bromochloromethane	MW20	3/17/05	10	10	ND	ug/L
Bromochloromethane	MW21	3/17/05	10	10	ND	ug/L
Bromochloromethane	MW02C	9/2/04	10	10	ND	ug/L
Bromochloromethane	MW05A	9/2/04	10	10	ND	ug/L

Technically Complete
2604

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromochloromethane	MW11	9/2/04	10	10	ND	ug/L
Bromochloromethane	MW12	9/2/04	10	10	ND	ug/L
Bromochloromethane	MW13	9/2/04	10	10	ND	ug/L
Bromochloromethane	MW15	9/2/04	10	10	ND	ug/L
Bromochloromethane	MW20	9/2/04	10	10	ND	ug/L
Bromochloromethane	MW21	9/2/04	10	10	ND	ug/L
Bromochloromethane	PZ-29	5/26/04	10	10	ND	ug/L
Bromochloromethane	PZ-33	5/26/04	10	10	ND	ug/L
Bromochloromethane	MW33	5/26/04	10	10	ND	ug/L
Bromochloromethane	PZ-30	5/26/04	10	10	ND	ug/L
Bromochloromethane	PZ-28	4/2/04	10	10	ND	ug/L
Bromochloromethane	PZ-29	4/2/04	10	10	ND	ug/L
Bromochloromethane	PZ-32	4/2/04	10	10	ND	ug/L
Bromochloromethane	PZ-33	4/2/04	10	10	ND	ug/L
Bromochloromethane	MW33	4/2/04	10	10	ND	ug/L
Bromochloromethane	PZ-30	4/2/04	10	10	ND	ug/L
Bromochloromethane	MW11	3/26/04	10	10	ND	ug/L
Bromochloromethane	MW21	3/26/04	10	10	ND	ug/L
Bromochloromethane	MW13	3/26/04	10	10	ND	ug/L
Bromochloromethane	MW02C	3/26/04	10	10	ND	ug/L
Bromochloromethane	MW15	3/26/04	10	10	ND	ug/L
Bromochloromethane	MW05A	3/26/04	10	10	ND	ug/L
Bromochloromethane	MW12	3/26/04	10	10	ND	ug/L
Bromochloromethane	MW20	3/26/04	10	10	ND	ug/L
Bromochloromethane	PZ-29	12/30/03	10	10	ND	ug/L
Bromochloromethane	PZ-33	12/30/03	10	10	ND	ug/L
Bromochloromethane	PZ-30	12/30/03	10	10	ND	ug/L
Bromochloromethane	PZ-27	12/30/03	10	10	ND	ug/L
Bromochloromethane	PZ-29	10/1/03	10	10	ND	ug/L
Bromochloromethane	PZ-33	10/1/03	10	10	ND	ug/L
Bromochloromethane	PZ-30	10/1/03	10	10	ND	ug/L
Bromochloromethane	MW33	10/1/03	10	10	ND	ug/L
Bromochloromethane	PZ-32	10/1/03	10	10	ND	ug/L
Bromochloromethane	PZ-27	10/1/03	10	10	ND	ug/L
Bromochloromethane	MW11	9/24/03	10	10	ND	ug/L
Bromochloromethane	MW21	9/24/03	10	10	ND	ug/L
Bromochloromethane	MW13	9/24/03	10	10	ND	ug/L
Bromochloromethane	MW15	9/24/03	10	10	ND	ug/L
Bromochloromethane	MW02C	9/24/03	10	10	ND	ug/L
Bromochloromethane	MW05A	9/24/03	10	10	ND	ug/L
Bromochloromethane	MW12	9/24/03	10	10	ND	ug/L
Bromochloromethane	MW20	9/24/03	10	10	ND	ug/L
Bromochloromethane	MW33	7/25/03	10	10	ND	ug/L
Bromochloromethane	PZ-30	7/25/03	10	10	ND	ug/L
Bromochloromethane	MW02C	3/20/03	10	10	ND	ug/L
Bromochloromethane	MW12	3/20/03	10	10	ND	ug/L
Bromochloromethane	MW11	3/20/03	10	10	ND	ug/L
Bromochloromethane	MW15	3/20/03	10	10	ND	ug/L
Bromochloromethane	MW13	3/20/03	10	10	ND	ug/L
Bromochloromethane	MW20	3/20/03	10	10	ND	ug/L
Bromochloromethane	MW21	3/20/03	10	10	ND	ug/L
Bromochloromethane	MW05A	3/20/03	10	10	ND	ug/L
Bromochloromethane	MW11	9/24/02	10	10	ND	ug/L
Bromochloromethane	MW21	9/24/02	10	10	ND	ug/L
Bromochloromethane	MW13	9/24/02	10	10	ND	ug/L
Bromochloromethane	MW02C	9/24/02	10	10	ND	ug/L
Bromochloromethane	MW15	9/24/02	10	10	ND	ug/L
Bromochloromethane	MW05A	9/24/02	10	10	ND	ug/L

Technically Complete
2605

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromochloromethane	MW12	9/24/02	10	10	ND	ug/L
Bromochloromethane	MW20	9/24/02	10	10	ND	ug/L
Bromochloromethane	MW11	3/12/02	10	10	ND	ug/L
Bromochloromethane	MW21	3/12/02	10	10	ND	ug/L
Bromochloromethane	MW13	3/12/02	10	10	ND	ug/L
Bromochloromethane	MW02C	3/12/02	10	10	ND	ug/L
Bromochloromethane	MW15	3/12/02	10	10	ND	ug/L
Bromochloromethane	MW05A	3/12/02	10	10	ND	ug/L
Bromochloromethane	MW12	3/12/02	10	10	ND	ug/L
Bromochloromethane	MW20	3/12/02	10	10	ND	ug/L
Bromochloromethane	MW02C	1/9/02	10	10	ND	ug/L
Bromochloromethane	MW11	9/25/01	10	10	ND	ug/L
Bromochloromethane	MW21	9/25/01	10	10	ND	ug/L
Bromochloromethane	MW13	9/25/01	10	10	ND	ug/L
Bromochloromethane	MW02C	9/25/01	10	10	ND	ug/L
Bromochloromethane	MW15	9/25/01	10	10	ND	ug/L
Bromochloromethane	MW20	9/25/01	10	10	ND	ug/L
Bromochloromethane	MW05A	9/25/01	10	10	ND	ug/L
Bromochloromethane	MW12	9/25/01	10	10	ND	ug/L
Bromochloromethane	MW02C	6/1/01	10	10	ND	ug/L
Bromochloromethane	MW11	3/14/01	10	10	ND	ug/L
Bromochloromethane	MW21	3/14/01	10	10	ND	ug/L
Bromochloromethane	MW13	3/14/01	10	10	ND	ug/L
Bromochloromethane	MW02C	3/14/01	10	10	ND	ug/L
Bromochloromethane	MW15	3/14/01	10	10	ND	ug/L
Bromochloromethane	MW05A	3/14/01	10	10	ND	ug/L
Bromochloromethane	MW20	3/14/01	10	10	ND	ug/L
Bromochloromethane	MW12	3/14/01	10	10	ND	ug/L
Bromochloromethane	MW02C	12/6/00	10	10	ND	ug/L
Bromochloromethane	MW11	9/26/00	10	10	ND	ug/L
Bromochloromethane	MW12	9/26/00	10	10	ND	ug/L
Bromochloromethane	MW20	9/26/00	10	10	ND	ug/L
Bromochloromethane	MW02C	9/26/00	10	10	ND	ug/L
Bromochloromethane	MW13	9/26/00	10	10	ND	ug/L
Bromochloromethane	MW15	9/26/00	10	10	ND	ug/L
Bromochloromethane	MW05A	9/26/00	10	10	ND	ug/L
Bromochloromethane	MW21	9/26/00	10	10	ND	ug/L
Bromochloromethane	MW11	3/21/00	10	10	ND	ug/L
Bromochloromethane	MW21	3/21/00	10	10	ND	ug/L
Bromochloromethane	MW13	3/21/00	10	10	ND	ug/L
Bromochloromethane	MW02B	3/21/00	10	10	ND	ug/L
Bromochloromethane	MW20	3/21/00	10	10	ND	ug/L
Bromochloromethane	MW15	3/21/00	10	10	ND	ug/L
Bromochloromethane	MW05A	3/21/00	10	10	ND	ug/L
Bromochloromethane	MW12	3/21/00	10	10	ND	ug/L
Bromochloromethane	MW13	9/21/99	10	10	ND	ug/L
Bromochloromethane	MW15	9/21/99	10	10	ND	ug/L
Bromochloromethane	MW05A	9/21/99	10	10	ND	ug/L
Bromochloromethane	MW21	9/21/99	10	10	ND	ug/L
Bromochloromethane	MW11	9/21/99	10	10	ND	ug/L
Bromochloromethane	MW12	9/21/99	10	10	ND	ug/L
Bromochloromethane	MW20	9/21/99	10	10	ND	ug/L
Bromochloromethane	MW02B	9/21/99	10	10	ND	ug/L
Bromochloromethane	MW13	3/17/99	10	10	ND	ug/L
Bromochloromethane	MW05A	3/17/99	10	10	ND	ug/L
Bromochloromethane	MW15	3/16/99	10	10	ND	ug/L
Bromochloromethane	MW21	3/16/99	10	10	ND	ug/L
Bromochloromethane	MW12	3/16/99	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromochloromethane	MW20	3/16/99	10	10	ND	ug/L
Bromochloromethane	MW02B	3/15/99	10	10	ND	ug/L
Bromochloromethane	MW11	3/15/99	10	10	ND	ug/L
Bromochloromethane	PZ-26	2/25/99	5	5	ND	ug/L
Bromochloromethane	MW06	2/25/99	5	5	ND	ug/L
Bromochloromethane	PZ-25	2/25/99	5	5	ND	ug/L
Bromochloromethane	MW03	2/25/99	5	5	ND	ug/L
Bromochloromethane	MW02B	10/15/98	0.2	5	ND	ug/L
Bromochloromethane	MW05A	10/15/98	0.2	5	ND	ug/L
Bromochloromethane	MW11	10/15/98	0.2	5	ND	ug/L
Bromochloromethane	MW12	10/15/98	0.2	5	ND	ug/L
Bromochloromethane	MW13	10/15/98	0.2	5	ND	ug/L
Bromochloromethane	MW15	10/15/98	0.2	5	ND	ug/L
Bromochloromethane	MW20	10/15/98	0.2	5	ND	ug/L
Bromochloromethane	MW21	10/15/98	0.2	5	ND	ug/L
Bromochloromethane	MW02B	3/12/98	0.2	5	ND	ug/L
Bromochloromethane	MW05A	3/12/98	0.2	5	ND	ug/L
Bromochloromethane	MW11	3/12/98	0.2	5	ND	ug/L
Bromochloromethane	MW12	3/12/98	0.2	5	ND	ug/L
Bromochloromethane	MW13	3/12/98	0.2	5	ND	ug/L
Bromochloromethane	MW15	3/12/98	0.2	5	ND	ug/L
Bromochloromethane	MW20	3/12/98	0.2	5	ND	ug/L
Bromochloromethane	MW21	3/12/98	0.2	5	ND	ug/L
Bromochloromethane	MW02B	12/19/97	0.2	5	ND	ug/L
Bromochloromethane	MW05A	12/19/97	0.2	5	ND	ug/L
Bromochloromethane	MW11	12/19/97	0.2	5	ND	ug/L
Bromochloromethane	MW12	12/19/97	0.2	5	ND	ug/L
Bromochloromethane	MW13	12/19/97	0.2	5	ND	ug/L
Bromochloromethane	MW15	12/19/97	0.2	5	ND	ug/L
Bromochloromethane	MW20	12/19/97	0.2	5	ND	ug/L
Bromochloromethane	MW21	12/19/97	0.2	5	ND	ug/L
Bromochloromethane	MW05A	9/11/97	0.2	5	ND	ug/L
Bromochloromethane	MW11	9/11/97	0.2	5	ND	ug/L
Bromochloromethane	MW21	9/11/97	0.2	5	ND	ug/L
Bromochloromethane	MW02B	9/10/97	0.2	5	ND	ug/L
Bromochloromethane	MW12	9/10/97	0.2	5	ND	ug/L
Bromochloromethane	MW13	9/10/97	0.2	5	ND	ug/L
Bromochloromethane	MW15	9/10/97	0.2	5	ND	ug/L
Bromochloromethane	MW20	9/10/97	0.2	5	ND	ug/L
Bromochloromethane	MW02B	6/27/97	0.2	5	ND	ug/L
Bromochloromethane	MW05A	6/27/97	0.2	5	ND	ug/L
Bromochloromethane	MW11	6/27/97	0.2	5	ND	ug/L
Bromochloromethane	MW12	6/27/97	0.2	5	ND	ug/L
Bromochloromethane	MW13	6/27/97	0.2	5	ND	ug/L
Bromochloromethane	MW15	6/27/97	0.2	5	ND	ug/L
Bromochloromethane	MW20	6/27/97	0.2	5	ND	ug/L
Bromochloromethane	MW21	6/27/97	0.2	5	ND	ug/L
Bromochloromethane	MW02B	3/12/97	0.2	10	ND	ug/L
Bromochloromethane	MW05A	3/12/97	0.2	10	ND	ug/L
Bromochloromethane	MW11	3/12/97	0.2	10	ND	ug/L
Bromochloromethane	MW12	3/12/97	0.2	10	ND	ug/L
Bromochloromethane	MW13	3/12/97	0.2	10	ND	ug/L
Bromochloromethane	MW15	3/12/97	0.2	10	ND	ug/L
Bromochloromethane	MW20	3/12/97	0.2	10	ND	ug/L
Bromochloromethane	MW21	3/12/97	0.2	10	ND	ug/L
Bromochloromethane	MW02B	12/4/96	0.2	10	ND	ug/L
Bromochloromethane	MW05A	12/4/96	0.2	10	ND	ug/L
Bromochloromethane	MW11	12/4/96	0.2	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromochloromethane	MW12	12/4/96	0.2	10	ND	ug/L
Bromochloromethane	MW13	12/4/96	0.2	10	ND	ug/L
Bromochloromethane	MW15	12/4/96	0.2	10	ND	ug/L
Bromochloromethane	MW20	12/4/96	0.2	10	ND	ug/L
Bromochloromethane	MW21	12/4/96	0.2	10	ND	ug/L
Bromochloromethane	MW02B	9/11/96	0.2	10	ND	ug/L
Bromochloromethane	MW05A	9/11/96	0.2	10	ND	ug/L
Bromochloromethane	MW11	9/11/96	0.2	10	ND	ug/L
Bromochloromethane	MW12	9/11/96	0.2	10	ND	ug/L
Bromochloromethane	MW13	9/11/96	0.2	10	ND	ug/L
Bromochloromethane	MW15	9/11/96	0.2	10	ND	ug/L
Bromochloromethane	MW20	9/11/96	0.2	10	ND	ug/L
Bromochloromethane	MW21	9/11/96	0.2	10	ND	ug/L
Bromochloromethane	MW02B	7/2/96	0.2	10	ND	ug/L
Bromochloromethane	MW05A	7/2/96	0.2	10	ND	ug/L
Bromochloromethane	MW11	7/2/96	0.2	10	ND	ug/L
Bromochloromethane	MW12	7/2/96	0.2	10	ND	ug/L
Bromochloromethane	MW13	7/2/96	0.2	10	ND	ug/L
Bromochloromethane	MW15	7/2/96	0.2	10	ND	ug/L
Bromochloromethane	MW20	7/2/96	0.2	10	ND	ug/L
Bromochloromethane	MW21	7/2/96	0.2	10	ND	ug/L
Bromochloromethane	MW01A	7/22/94	0.2	10	ND	ug/L
Bromochloromethane	MW02A	7/22/94	0.2	10	ND	ug/L
Bromochloromethane	MW03	7/22/94	0.2	10	ND	ug/L
Bromochloromethane	MW05	7/22/94	0.2	10	ND	ug/L
Bromochloromethane	MW06	7/22/94	0.2	10	ND	ug/L
Bromochloromethane	MW05A	5/12/94	0.5	10	ND	ug/L
Bromochloromethane	MW15	4/26/94	0.5	10	ND	ug/L
Bromochloromethane	MW01A	4/25/94	0.5	10	ND	ug/L
Bromochloromethane	MW02A	4/25/94	0.5	10	ND	ug/L
Bromochloromethane	MW03	4/25/94	0.5	10	ND	ug/L
Bromochloromethane	MW05	4/25/94	0.5	10	ND	ug/L
Bromochloromethane	MW06	4/25/94	0.5	10	ND	ug/L
Bromochloromethane	MW01A	1/31/94	0.5	10	ND	ug/L
Bromochloromethane	MW02A	1/31/94	0.5	10	ND	ug/L
Bromochloromethane	MW03	1/31/94	0.5	10	ND	ug/L
Bromochloromethane	MW05	1/31/94	0.5	10	ND	ug/L
Bromochloromethane	MW06	1/31/94	0.5	10	ND	ug/L
Bromochloromethane	MW01A	10/18/93	0.5	10	ND	ug/L
Bromochloromethane	MW02A	10/18/93	0.5	10	ND	ug/L
Bromochloromethane	MW03	10/18/93	0.5	10	ND	ug/L
Bromochloromethane	MW05	10/18/93	0.5	10	ND	ug/L
Bromochloromethane	MW06	10/18/93	0.5	10	ND	ug/L
Bromochloromethane	MW03	7/27/93	0.5	10	ND	ug/L
Bromochloromethane	MW06	7/27/93	0.5	10	ND	ug/L
Bromochloromethane	MW01A	7/26/93	0.5	10	ND	ug/L
Bromochloromethane	MW02A	7/26/93	0.5	10	ND	ug/L
Bromochloromethane	MW05	7/26/93	0.5	10	ND	ug/L
Bromodichloromethane	PZ-29	5/26/04	5	5	ND	ug/L
Bromodichloromethane	PZ-33	5/26/04	5	5	ND	ug/L
Bromodichloromethane	MW33	5/26/04	5	5	ND	ug/L
Bromodichloromethane	PZ-30	5/26/04	5	5	ND	ug/L
Bromodichloromethane	PZ-28	4/2/04	5	5	ND	ug/L
Bromodichloromethane	PZ-29	4/2/04	5	5	ND	ug/L
Bromodichloromethane	PZ-32	4/2/04	5	5	ND	ug/L
Bromodichloromethane	PZ-33	4/2/04	5	5	ND	ug/L
Bromodichloromethane	MW33	4/2/04	5	5	ND	ug/L
Bromodichloromethane	PZ-30	4/2/04	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromodichloromethane	MW11	3/26/04	5	5	ND	ug/L
Bromodichloromethane	MW21	3/26/04	5	5	ND	ug/L
Bromodichloromethane	MW13	3/26/04	5	5	ND	ug/L
Bromodichloromethane	MW02C	3/26/04	5	5	ND	ug/L
Bromodichloromethane	MW15	3/26/04	5	5	ND	ug/L
Bromodichloromethane	MW05A	3/26/04	5	5	ND	ug/L
Bromodichloromethane	MW12	3/26/04	5	5	ND	ug/L
Bromodichloromethane	MW20	3/26/04	5	5	ND	ug/L
Bromodichloromethane	PZ-29	12/30/03	5	5	ND	ug/L
Bromodichloromethane	PZ-33	12/30/03	5	5	ND	ug/L
Bromodichloromethane	PZ-30	12/30/03	5	5	ND	ug/L
Bromodichloromethane	PZ-27	12/30/03	5	5	ND	ug/L
Bromodichloromethane	PZ-29	10/1/03	5	5	ND	ug/L
Bromodichloromethane	PZ-33	10/1/03	5	5	ND	ug/L
Bromodichloromethane	PZ-30	10/1/03	5	5	ND	ug/L
Bromodichloromethane	MW33	10/1/03	5	5	ND	ug/L
Bromodichloromethane	PZ-32	10/1/03	5	5	ND	ug/L
Bromodichloromethane	PZ-27	10/1/03	5	5	ND	ug/L
Bromodichloromethane	MW11	9/24/03	5	5	ND	ug/L
Bromodichloromethane	MW21	9/24/03	5	5	ND	ug/L
Bromodichloromethane	MW13	9/24/03	5	5	ND	ug/L
Bromodichloromethane	MW15	9/24/03	5	5	ND	ug/L
Bromodichloromethane	MW02C	9/24/03	5	5	ND	ug/L
Bromodichloromethane	MW05A	9/24/03	5	5	ND	ug/L
Bromodichloromethane	MW12	9/24/03	5	5	ND	ug/L
Bromodichloromethane	MW20	9/24/03	5	5	ND	ug/L
Bromodichloromethane	MW33	7/25/03	5	5	ND	ug/L
Bromodichloromethane	PZ-30	7/25/03	5	5	ND	ug/L
Bromodichloromethane	MW02C	3/20/03	5	5	ND	ug/L
Bromodichloromethane	MW12	3/20/03	5	5	ND	ug/L
Bromodichloromethane	MW11	3/20/03	5	5	ND	ug/L
Bromodichloromethane	MW15	3/20/03	5	5	ND	ug/L
Bromodichloromethane	MW13	3/20/03	5	5	ND	ug/L
Bromodichloromethane	MW20	3/20/03	5	5	ND	ug/L
Bromodichloromethane	MW21	3/20/03	5	5	ND	ug/L
Bromodichloromethane	MW05A	3/20/03	5	5	ND	ug/L
Bromodichloromethane	MW11	9/24/02	5	5	ND	ug/L
Bromodichloromethane	MW21	9/24/02	5	5	ND	ug/L
Bromodichloromethane	MW13	9/24/02	5	5	ND	ug/L
Bromodichloromethane	MW02C	9/24/02	5	5	ND	ug/L
Bromodichloromethane	MW15	9/24/02	5	5	ND	ug/L
Bromodichloromethane	MW05A	9/24/02	5	5	ND	ug/L
Bromodichloromethane	MW12	9/24/02	5	5	ND	ug/L
Bromodichloromethane	MW20	9/24/02	5	5	ND	ug/L
Bromodichloromethane	MW11	3/12/02	5	5	ND	ug/L
Bromodichloromethane	MW21	3/12/02	5	5	ND	ug/L
Bromodichloromethane	MW13	3/12/02	5	5	ND	ug/L
Bromodichloromethane	MW02C	3/12/02	5	5	ND	ug/L
Bromodichloromethane	MW15	3/12/02	5	5	ND	ug/L
Bromodichloromethane	MW05A	3/12/02	5	5	ND	ug/L
Bromodichloromethane	MW12	3/12/02	5	5	ND	ug/L
Bromodichloromethane	MW20	3/12/02	5	5	ND	ug/L
Bromodichloromethane	MW02C	1/9/02	5	5	ND	ug/L
Bromodichloromethane	MW11	9/25/01	5	5	ND	ug/L
Bromodichloromethane	MW21	9/25/01	5	5	ND	ug/L
Bromodichloromethane	MW13	9/25/01	5	5	ND	ug/L
Bromodichloromethane	MW02C	9/25/01	5	5	ND	ug/L
Bromodichloromethane	MW15	9/25/01	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromodichloromethane	MW20	9/25/01	5	5	ND	ug/L
Bromodichloromethane	MW05A	9/25/01	5	5	ND	ug/L
Bromodichloromethane	MW12	9/25/01	5	5	ND	ug/L
Bromodichloromethane	MW02C	6/1/01	5	5	ND	ug/L
Bromodichloromethane	MW11	3/14/01	5	5	ND	ug/L
Bromodichloromethane	MW21	3/14/01	5	5	ND	ug/L
Bromodichloromethane	MW13	3/14/01	5	5	ND	ug/L
Bromodichloromethane	MW02C	3/14/01	5	5	ND	ug/L
Bromodichloromethane	MW15	3/14/01	5	5	ND	ug/L
Bromodichloromethane	MW05A	3/14/01	5	5	ND	ug/L
Bromodichloromethane	MW20	3/14/01	5	5	ND	ug/L
Bromodichloromethane	MW12	3/14/01	5	5	ND	ug/L
Bromodichloromethane	MW02C	12/6/00	5	5	ND	ug/L
Bromodichloromethane	MW11	9/26/00	5	5	ND	ug/L
Bromodichloromethane	MW12	9/26/00	5	5	ND	ug/L
Bromodichloromethane	MW20	9/26/00	5	5	ND	ug/L
Bromodichloromethane	MW02C	9/26/00	5	5	ND	ug/L
Bromodichloromethane	MW13	9/26/00	5	5	ND	ug/L
Bromodichloromethane	MW15	9/26/00	5	5	ND	ug/L
Bromodichloromethane	MW05A	9/26/00	5	5	ND	ug/L
Bromodichloromethane	MW21	9/26/00	5	5	ND	ug/L
Bromodichloromethane	MW30	3/21/00	5	5	ND	ug/L
Bromodichloromethane	MW11	3/21/00	5	5	ND	ug/L
Bromodichloromethane	MW21	3/21/00	5	5	ND	ug/L
Bromodichloromethane	MW13	3/21/00	5	5	ND	ug/L
Bromodichloromethane	MW02B	3/21/00	5	5	ND	ug/L
Bromodichloromethane	MW20	3/21/00	5	5	ND	ug/L
Bromodichloromethane	MW15	3/21/00	5	5	ND	ug/L
Bromodichloromethane	MW05A	3/21/00	5	5	ND	ug/L
Bromodichloromethane	MW12	3/21/00	5	5	ND	ug/L
Bromodichloromethane	MW29A	3/20/00	5	5	ND	ug/L
Bromodichloromethane	PZ-26	3/16/00	5	5	ND	ug/L
Bromodichloromethane	MW13	9/21/99	5	5	ND	ug/L
Bromodichloromethane	MW15	9/21/99	5	5	ND	ug/L
Bromodichloromethane	MW05A	9/21/99	5	5	ND	ug/L
Bromodichloromethane	MW21	9/21/99	5	5	ND	ug/L
Bromodichloromethane	MW11	9/21/99	5	5	ND	ug/L
Bromodichloromethane	MW12	9/21/99	5	5	ND	ug/L
Bromodichloromethane	MW20	9/21/99	5	5	ND	ug/L
Bromodichloromethane	MW02B	9/21/99	5	5	ND	ug/L
Bromodichloromethane	MW13	3/17/99	5	5	ND	ug/L
Bromodichloromethane	MW05A	3/17/99	5	5	ND	ug/L
Bromodichloromethane	MW15	3/16/99	5	5	ND	ug/L
Bromodichloromethane	MW21	3/16/99	5	5	ND	ug/L
Bromodichloromethane	MW12	3/16/99	5	5	ND	ug/L
Bromodichloromethane	MW20	3/16/99	5	5	ND	ug/L
Bromodichloromethane	MW02B	3/15/99	5	5	ND	ug/L
Bromodichloromethane	MW11	3/15/99	5	5	ND	ug/L
Bromodichloromethane	PZ-26	2/25/99	5	5	ND	ug/L
Bromodichloromethane	MW06	2/25/99	5	5	ND	ug/L
Bromodichloromethane	PZ-25	2/25/99	5	5	ND	ug/L
Bromodichloromethane	MW03	2/25/99	5	5	ND	ug/L
Bromodichloromethane	MW02B	10/15/98	0.2	5	ND	ug/L
Bromodichloromethane	MW05A	10/15/98	0.2	5	ND	ug/L
Bromodichloromethane	MW11	10/15/98	0.2	5	ND	ug/L
Bromodichloromethane	MW12	10/15/98	0.2	5	ND	ug/L
Bromodichloromethane	MW13	10/15/98	0.2	5	ND	ug/L
Bromodichloromethane	MW15	10/15/98	0.2	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromodichloromethane	MW20	10/15/98	0.2	5	ND	ug/L
Bromodichloromethane	MW21	10/15/98	0.2	5	ND	ug/L
Bromodichloromethane	MW02B	3/12/98	0.2	5	ND	ug/L
Bromodichloromethane	MW05A	3/12/98	0.2	5	ND	ug/L
Bromodichloromethane	MW11	3/12/98	0.2	5	ND	ug/L
Bromodichloromethane	MW12	3/12/98	0.2	5	ND	ug/L
Bromodichloromethane	MW13	3/12/98	0.2	5	ND	ug/L
Bromodichloromethane	MW15	3/12/98	0.2	5	ND	ug/L
Bromodichloromethane	MW20	3/12/98	0.2	5	ND	ug/L
Bromodichloromethane	MW21	3/12/98	0.2	5	ND	ug/L
Bromodichloromethane	MW02B	12/19/97	0.2	5	ND	ug/L
Bromodichloromethane	MW05A	12/19/97	0.2	5	ND	ug/L
Bromodichloromethane	MW11	12/19/97	0.2	5	ND	ug/L
Bromodichloromethane	MW12	12/19/97	0.2	5	ND	ug/L
Bromodichloromethane	MW13	12/19/97	0.2	5	ND	ug/L
Bromodichloromethane	MW15	12/19/97	0.2	5	ND	ug/L
Bromodichloromethane	MW20	12/19/97	0.2	5	ND	ug/L
Bromodichloromethane	MW21	12/19/97	0.2	5	ND	ug/L
Bromodichloromethane	MW05A	9/11/97	0.2	5	ND	ug/L
Bromodichloromethane	MW11	9/11/97	0.2	5	ND	ug/L
Bromodichloromethane	MW21	9/11/97	0.2	5	ND	ug/L
Bromodichloromethane	MW02B	9/10/97	0.2	5	ND	ug/L
Bromodichloromethane	MW12	9/10/97	0.2	5	ND	ug/L
Bromodichloromethane	MW13	9/10/97	0.2	5	ND	ug/L
Bromodichloromethane	MW15	9/10/97	0.2	5	ND	ug/L
Bromodichloromethane	MW20	9/10/97	0.2	5	ND	ug/L
Bromodichloromethane	MW02B	6/27/97	0.2	5	ND	ug/L
Bromodichloromethane	MW05A	6/27/97	0.2	5	ND	ug/L
Bromodichloromethane	MW11	6/27/97	0.2	5	ND	ug/L
Bromodichloromethane	MW12	6/27/97	0.2	5	ND	ug/L
Bromodichloromethane	MW13	6/27/97	0.2	5	ND	ug/L
Bromodichloromethane	MW15	6/27/97	0.2	5	ND	ug/L
Bromodichloromethane	MW20	6/27/97	0.2	5	ND	ug/L
Bromodichloromethane	MW21	6/27/97	0.2	5	ND	ug/L
Bromodichloromethane	MW02B	3/12/97	0.2	5	ND	ug/L
Bromodichloromethane	MW05A	3/12/97	0.2	5	ND	ug/L
Bromodichloromethane	MW11	3/12/97	0.2	5	ND	ug/L
Bromodichloromethane	MW12	3/12/97	0.2	5	ND	ug/L
Bromodichloromethane	MW13	3/12/97	0.2	5	ND	ug/L
Bromodichloromethane	MW15	3/12/97	0.2	5	ND	ug/L
Bromodichloromethane	MW20	3/12/97	0.2	5	ND	ug/L
Bromodichloromethane	MW21	3/12/97	0.2	5	ND	ug/L
Bromodichloromethane	MW02B	12/4/96	0.2	5	ND	ug/L
Bromodichloromethane	MW05A	12/4/96	0.2	5	ND	ug/L
Bromodichloromethane	MW11	12/4/96	0.2	5	ND	ug/L
Bromodichloromethane	MW12	12/4/96	0.2	5	ND	ug/L
Bromodichloromethane	MW13	12/4/96	0.2	5	ND	ug/L
Bromodichloromethane	MW15	12/4/96	0.2	5	ND	ug/L
Bromodichloromethane	MW20	12/4/96	0.2	5	ND	ug/L
Bromodichloromethane	MW21	12/4/96	0.2	5	ND	ug/L
Bromodichloromethane	MW02B	9/11/96	0.2	5	ND	ug/L
Bromodichloromethane	MW05A	9/11/96	0.2	5	ND	ug/L
Bromodichloromethane	MW11	9/11/96	0.2	5	ND	ug/L
Bromodichloromethane	MW12	9/11/96	0.2	5	ND	ug/L
Bromodichloromethane	MW13	9/11/96	0.2	5	ND	ug/L
Bromodichloromethane	MW15	9/11/96	0.2	5	ND	ug/L
Bromodichloromethane	MW20	9/11/96	0.2	5	ND	ug/L
Bromodichloromethane	MW21	9/11/96	0.2	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromodichloromethane	MW02B	7/2/96	0.2	5	ND	ug/L
Bromodichloromethane	MW05A	7/2/96	0.2	5	ND	ug/L
Bromodichloromethane	MW11	7/2/96	0.2	5	ND	ug/L
Bromodichloromethane	MW12	7/2/96	0.2	5	ND	ug/L
Bromodichloromethane	MW13	7/2/96	0.2	5	ND	ug/L
Bromodichloromethane	MW15	7/2/96	0.2	5	ND	ug/L
Bromodichloromethane	MW20	7/2/96	0.2	5	ND	ug/L
Bromodichloromethane	MW21	7/2/96	0.2	5	ND	ug/L
Bromodichloromethane	MW01A	7/22/94	0.2	5	ND	ug/L
Bromodichloromethane	MW02A	7/22/94	0.2	5	ND	ug/L
Bromodichloromethane	MW03	7/22/94	0.2	5	ND	ug/L
Bromodichloromethane	MW05	7/22/94	0.2	5	ND	ug/L
Bromodichloromethane	MW06	7/22/94	0.2	5	ND	ug/L
Bromodichloromethane	MW05A	5/12/94	0.5	5	ND	ug/L
Bromodichloromethane	MW15	4/26/94	0.5	5	ND	ug/L
Bromodichloromethane	MW01A	4/25/94	0.5	5	ND	ug/L
Bromodichloromethane	MW02A	4/25/94	0.5	5	ND	ug/L
Bromodichloromethane	MW03	4/25/94	0.5	5	ND	ug/L
Bromodichloromethane	MW05	4/25/94	0.5	5	ND	ug/L
Bromodichloromethane	MW06	4/25/94	0.5	5	ND	ug/L
Bromodichloromethane	MW01A	1/31/94	0.5	5	ND	ug/L
Bromodichloromethane	MW02A	1/31/94	0.5	5	ND	ug/L
Bromodichloromethane	MW03	1/31/94	0.5	5	ND	ug/L
Bromodichloromethane	MW05	1/31/94	0.5	5	ND	ug/L
Bromodichloromethane	MW06	1/31/94	0.5	5	ND	ug/L
Bromodichloromethane	MW01A	10/18/93	0.5	5	ND	ug/L
Bromodichloromethane	MW02A	10/18/93	0.5	5	ND	ug/L
Bromodichloromethane	MW03	10/18/93	0.5	5	ND	ug/L
Bromodichloromethane	MW05	10/18/93	0.5	5	ND	ug/L
Bromodichloromethane	MW06	10/18/93	0.5	5	ND	ug/L
Bromodichloromethane	MW03	7/27/93	0.5	5	ND	ug/L
Bromodichloromethane	MW06	7/27/93	0.5	5	ND	ug/L
Bromodichloromethane	MW01A	7/26/93	0.5	5	ND	ug/L
Bromodichloromethane	MW02A	7/26/93	0.5	5	ND	ug/L
Bromodichloromethane	MW05	7/26/93	0.5	5	ND	ug/L
Bromodichloromethane	MW02A	5/21/92	1	5	ND	ug/L
Bromodichloromethane	MW01A	11/7/91	0.5	5	ND	ug/L
Bromodichloromethane	MW02A	11/7/91	0.5	5	ND	ug/L
Bromodichloromethane	MW03	11/7/91	0.5	5	ND	ug/L
Bromodichloromethane	MW05	11/7/91	0.5	5	ND	ug/L
Bromodichloromethane	MW06	11/7/91	0.5	5	ND	ug/L
Bromoform	PZ-32	7/28/06	5	5	ND	ug/L
Bromoform	MW-02C	7/20/06	5	5	ND	ug/L
Bromoform	MW-05A	7/20/06	5	5	ND	ug/L
Bromoform	MW-11	7/20/06	5	5	ND	ug/L
Bromoform	MW-12	7/20/06	5	5	ND	ug/L
Bromoform	MW-13	7/20/06	5	5	ND	ug/L
Bromoform	MW-15	7/20/06	5	5	ND	ug/L
Bromoform	MW-20	7/20/06	5	5	ND	ug/L
Bromoform	MW-21	7/20/06	5	5	ND	ug/L
Bromoform	PZ-33	7/20/06	5	5	ND	ug/L
Bromoform	MW-10	5/12/06	5	5	ND	ug/L
Bromoform	PZ-32	5/12/06	5	5	ND	ug/L
Bromoform	PZ-32	1/24/06	5	5	ND	ug/L
Bromoform	MW-02C	1/19/06	5	5	ND	ug/L
Bromoform	MW-05A	1/19/06	5	5	ND	ug/L
Bromoform	MW-11	1/19/06	5	5	ND	ug/L
Bromoform	MW-12	1/19/06	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromoform	MW-13	1/19/06	5	5	ND	ug/L
Bromoform	MW-15	1/19/06	5	5	ND	ug/L
Bromoform	MW-20	1/19/06	5	5	ND	ug/L
Bromoform	MW-21	1/19/06	5	5	ND	ug/L
Bromoform	PZ-33	1/19/06	5	5	ND	ug/L
Bromoform	FB-01	11/17/05	5	5	ND	ug/L
Bromoform	PZ-30	11/17/05	5	5	ND	ug/L
Bromoform	PZ-33	11/17/05	5	5	ND	ug/L
Bromoform	TRIP BLANK	11/17/05	5	5	ND	ug/L
Bromoform	PZ-29	8/26/05	5	5	ND	ug/L
Bromoform	PZ-33	8/26/05	5	5	ND	ug/L
Bromoform	MW-02C	8/18/05	5	5	ND	ug/L
Bromoform	MW-05A	8/18/05	5	5	ND	ug/L
Bromoform	MW-11	8/18/05	5	5	ND	ug/L
Bromoform	MW-12	8/18/05	5	5	ND	ug/L
Bromoform	MW-13	8/18/05	5	5	ND	ug/L
Bromoform	MW-15	8/18/05	5	5	ND	ug/L
Bromoform	MW-20	8/18/05	5	5	ND	ug/L
Bromoform	MW-21	8/18/05	5	5	ND	ug/L
Bromoform	MW07	3/23/05	5	5	ND	ug/L
Bromoform	MW33	3/23/05	5	5	ND	ug/L
Bromoform	PZ-29	3/23/05	5	5	ND	ug/L
Bromoform	PZ-30	3/23/05	5	5	ND	ug/L
Bromoform	PZ-32	3/23/05	5	5	ND	ug/L
Bromoform	PZ-33	3/23/05	5	5	ND	ug/L
Bromoform	MW02C	3/17/05	5	5	ND	ug/L
Bromoform	MW05A	3/17/05	5	5	ND	ug/L
Bromoform	MW11	3/17/05	5	5	ND	ug/L
Bromoform	MW12	3/17/05	5	5	ND	ug/L
Bromoform	MW13	3/17/05	5	5	ND	ug/L
Bromoform	MW15	3/17/05	5	5	ND	ug/L
Bromoform	MW20	3/17/05	5	5	ND	ug/L
Bromoform	MW21	3/17/05	5	5	ND	ug/L
Bromoform	MW02C	9/2/04	5	5	ND	ug/L
Bromoform	MW05A	9/2/04	5	5	ND	ug/L
Bromoform	MW11	9/2/04	5	5	ND	ug/L
Bromoform	MW12	9/2/04	5	5	ND	ug/L
Bromoform	MW13	9/2/04	5	5	ND	ug/L
Bromoform	MW15	9/2/04	5	5	ND	ug/L
Bromoform	MW20	9/2/04	5	5	ND	ug/L
Bromoform	MW21	9/2/04	5	5	ND	ug/L
Bromoform	PZ-29	5/26/04	5	5	ND	ug/L
Bromoform	PZ-33	5/26/04	5	5	ND	ug/L
Bromoform	MW33	5/26/04	5	5	ND	ug/L
Bromoform	PZ-30	5/26/04	5	5	ND	ug/L
Bromoform	PZ-28	4/2/04	5	5	ND	ug/L
Bromoform	PZ-29	4/2/04	5	5	ND	ug/L
Bromoform	PZ-32	4/2/04	5	5	ND	ug/L
Bromoform	PZ-33	4/2/04	5	5	ND	ug/L
Bromoform	MW33	4/2/04	5	5	ND	ug/L
Bromoform	PZ-30	4/2/04	5	5	ND	ug/L
Bromoform	MW11	3/26/04	5	5	ND	ug/L
Bromoform	MW21	3/26/04	5	5	ND	ug/L
Bromoform	MW13	3/26/04	5	5	ND	ug/L
Bromoform	MW02C	3/26/04	5	5	ND	ug/L
Bromoform	MW15	3/26/04	5	5	ND	ug/L
Bromoform	MW05A	3/26/04	5	5	ND	ug/L
Bromoform	MW12	3/26/04	5	5	ND	ug/L

Technically Complete
2613

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromoform	MW20	3/26/04	5	5	ND	ug/L
Bromoform	PZ-29	12/30/03	5	5	ND	ug/L
Bromoform	PZ-33	12/30/03	5	5	ND	ug/L
Bromoform	PZ-30	12/30/03	5	5	ND	ug/L
Bromoform	PZ-27	12/30/03	5	5	ND	ug/L
Bromoform	PZ-29	10/1/03	5	5	ND	ug/L
Bromoform	PZ-33	10/1/03	5	5	ND	ug/L
Bromoform	PZ-30	10/1/03	5	5	ND	ug/L
Bromoform	MW33	10/1/03	5	5	ND	ug/L
Bromoform	PZ-32	10/1/03	5	5	ND	ug/L
Bromoform	PZ-27	10/1/03	5	5	ND	ug/L
Bromoform	MW11	9/24/03	5	5	ND	ug/L
Bromoform	MW21	9/24/03	5	5	ND	ug/L
Bromoform	MW13	9/24/03	5	5	ND	ug/L
Bromoform	MW15	9/24/03	5	5	ND	ug/L
Bromoform	MW02C	9/24/03	5	5	ND	ug/L
Bromoform	MW05A	9/24/03	5	5	ND	ug/L
Bromoform	MW12	9/24/03	5	5	ND	ug/L
Bromoform	MW20	9/24/03	5	5	ND	ug/L
Bromoform	MW33	7/25/03	5	5	ND	ug/L
Bromoform	PZ-30	7/25/03	5	5	ND	ug/L
Bromoform	MW02C	3/20/03	5	5	ND	ug/L
Bromoform	MW12	3/20/03	5	5	ND	ug/L
Bromoform	MW11	3/20/03	5	5	ND	ug/L
Bromoform	MW15	3/20/03	5	5	ND	ug/L
Bromoform	MW13	3/20/03	5	5	ND	ug/L
Bromoform	MW20	3/20/03	5	5	ND	ug/L
Bromoform	MW21	3/20/03	5	5	ND	ug/L
Bromoform	MW05A	3/20/03	5	5	ND	ug/L
Bromoform	MW11	9/24/02	5	5	ND	ug/L
Bromoform	MW21	9/24/02	5	5	ND	ug/L
Bromoform	MW13	9/24/02	5	5	ND	ug/L
Bromoform	MW02C	9/24/02	5	5	ND	ug/L
Bromoform	MW15	9/24/02	5	5	ND	ug/L
Bromoform	MW05A	9/24/02	5	5	ND	ug/L
Bromoform	MW12	9/24/02	5	5	ND	ug/L
Bromoform	MW20	9/24/02	5	5	ND	ug/L
Bromoform	MW11	3/12/02	5	5	ND	ug/L
Bromoform	MW21	3/12/02	5	5	ND	ug/L
Bromoform	MW13	3/12/02	5	5	ND	ug/L
Bromoform	MW02C	3/12/02	5	5	ND	ug/L
Bromoform	MW15	3/12/02	5	5	ND	ug/L
Bromoform	MW05A	3/12/02	5	5	ND	ug/L
Bromoform	MW12	3/12/02	5	5	ND	ug/L
Bromoform	MW20	3/12/02	5	5	ND	ug/L
Bromoform	MW02C	1/9/02	5	5	ND	ug/L
Bromoform	MW11	9/25/01	5	5	ND	ug/L
Bromoform	MW21	9/25/01	5	5	ND	ug/L
Bromoform	MW13	9/25/01	5	5	ND	ug/L
Bromoform	MW02C	9/25/01	5	5	ND	ug/L
Bromoform	MW15	9/25/01	5	5	ND	ug/L
Bromoform	MW20	9/25/01	5	5	ND	ug/L
Bromoform	MW05A	9/25/01	5	5	ND	ug/L
Bromoform	MW12	9/25/01	5	5	ND	ug/L
Bromoform	MW02C	6/1/01	5	5	ND	ug/L
Bromoform	MW11	3/14/01	5	5	ND	ug/L
Bromoform	MW21	3/14/01	5	5	ND	ug/L
Bromoform	MW13	3/14/01	5	5	ND	ug/L

Technically Complete
2614

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromoform	MW02C	3/14/01	5	5	ND	ug/L
Bromoform	MW15	3/14/01	5	5	ND	ug/L
Bromoform	MW05A	3/14/01	5	5	ND	ug/L
Bromoform	MW20	3/14/01	5	5	ND	ug/L
Bromoform	MW12	3/14/01	5	5	ND	ug/L
Bromoform	MW02C	12/6/00	5	5	ND	ug/L
Bromoform	MW11	9/26/00	5	5	ND	ug/L
Bromoform	MW12	9/26/00	5	5	ND	ug/L
Bromoform	MW20	9/26/00	5	5	ND	ug/L
Bromoform	MW02C	9/26/00	5	5	ND	ug/L
Bromoform	MW13	9/26/00	5	5	ND	ug/L
Bromoform	MW15	9/26/00	5	5	ND	ug/L
Bromoform	MW05A	9/26/00	5	5	ND	ug/L
Bromoform	MW21	9/26/00	5	5	ND	ug/L
Bromoform	MW30	3/21/00	5	5	ND	ug/L
Bromoform	MW11	3/21/00	5	5	ND	ug/L
Bromoform	MW21	3/21/00	5	5	ND	ug/L
Bromoform	MW13	3/21/00	5	5	ND	ug/L
Bromoform	MW02B	3/21/00	5	5	ND	ug/L
Bromoform	MW20	3/21/00	5	5	ND	ug/L
Bromoform	MW15	3/21/00	5	5	ND	ug/L
Bromoform	MW05A	3/21/00	5	5	ND	ug/L
Bromoform	MW12	3/21/00	5	5	ND	ug/L
Bromoform	MW29A	3/20/00	5	5	ND	ug/L
Bromoform	PZ-26	3/16/00	5	5	ND	ug/L
Bromoform	MW13	9/21/99	5	5	ND	ug/L
Bromoform	MW15	9/21/99	5	5	ND	ug/L
Bromoform	MW05A	9/21/99	5	5	ND	ug/L
Bromoform	MW21	9/21/99	5	5	ND	ug/L
Bromoform	MW11	9/21/99	5	5	ND	ug/L
Bromoform	MW12	9/21/99	5	5	ND	ug/L
Bromoform	MW20	9/21/99	5	5	ND	ug/L
Bromoform	MW02B	9/21/99	5	5	ND	ug/L
Bromoform	MW13	3/17/99	5	5	ND	ug/L
Bromoform	MW05A	3/17/99	5	5	ND	ug/L
Bromoform	MW15	3/16/99	5	5	ND	ug/L
Bromoform	MW21	3/16/99	5	5	ND	ug/L
Bromoform	MW12	3/16/99	5	5	ND	ug/L
Bromoform	MW20	3/16/99	5	5	ND	ug/L
Bromoform	MW02B	3/15/99	5	5	ND	ug/L
Bromoform	MW11	3/15/99	5	5	ND	ug/L
Bromoform	PZ-26	2/25/99	5	5	ND	ug/L
Bromoform	MW06	2/25/99	5	5	ND	ug/L
Bromoform	PZ-25	2/25/99	5	5	ND	ug/L
Bromoform	MW03	2/25/99	5	5	ND	ug/L
Bromoform	MW02B	10/15/98	0.2	5	ND	ug/L
Bromoform	MW05A	10/15/98	0.2	5	ND	ug/L
Bromoform	MW11	10/15/98	0.2	5	ND	ug/L
Bromoform	MW12	10/15/98	0.2	5	ND	ug/L
Bromoform	MW13	10/15/98	0.2	5	ND	ug/L
Bromoform	MW15	10/15/98	0.2	5	ND	ug/L
Bromoform	MW20	10/15/98	0.2	5	ND	ug/L
Bromoform	MW21	10/15/98	0.2	5	ND	ug/L
Bromoform	MW02B	3/12/98	0.2	5	ND	ug/L
Bromoform	MW05A	3/12/98	0.2	5	ND	ug/L
Bromoform	MW11	3/12/98	0.2	5	ND	ug/L
Bromoform	MW12	3/12/98	0.2	5	ND	ug/L
Bromoform	MW13	3/12/98	0.2	5	ND	ug/L

Technically Complete
2615

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromoform	MW15	3/12/98	0.2	5	ND	ug/L
Bromoform	MW20	3/12/98	0.2	5	ND	ug/L
Bromoform	MW21	3/12/98	0.2	5	ND	ug/L
Bromoform	MW02B	12/19/97	0.2	5	ND	ug/L
Bromoform	MW05A	12/19/97	0.2	5	ND	ug/L
Bromoform	MW11	12/19/97	0.2	5	ND	ug/L
Bromoform	MW12	12/19/97	0.2	5	ND	ug/L
Bromoform	MW13	12/19/97	0.2	5	ND	ug/L
Bromoform	MW15	12/19/97	0.2	5	ND	ug/L
Bromoform	MW20	12/19/97	0.2	5	ND	ug/L
Bromoform	MW21	12/19/97	0.2	5	ND	ug/L
Bromoform	MW05A	9/11/97	0.2	5	ND	ug/L
Bromoform	MW11	9/11/97	0.2	5	ND	ug/L
Bromoform	MW21	9/11/97	0.2	5	ND	ug/L
Bromoform	MW02B	9/10/97	0.2	5	ND	ug/L
Bromoform	MW12	9/10/97	0.2	5	ND	ug/L
Bromoform	MW13	9/10/97	0.2	5	ND	ug/L
Bromoform	MW15	9/10/97	0.2	5	ND	ug/L
Bromoform	MW20	9/10/97	0.2	5	ND	ug/L
Bromoform	MW02B	6/27/97	0.2	5	ND	ug/L
Bromoform	MW05A	6/27/97	0.2	5	ND	ug/L
Bromoform	MW11	6/27/97	0.2	5	ND	ug/L
Bromoform	MW12	6/27/97	0.2	5	ND	ug/L
Bromoform	MW13	6/27/97	0.2	5	ND	ug/L
Bromoform	MW15	6/27/97	0.2	5	ND	ug/L
Bromoform	MW20	6/27/97	0.2	5	ND	ug/L
Bromoform	MW21	6/27/97	0.2	5	ND	ug/L
Bromoform	MW02B	3/12/97	0.2	5	ND	ug/L
Bromoform	MW05A	3/12/97	0.2	5	ND	ug/L
Bromoform	MW11	3/12/97	0.2	5	ND	ug/L
Bromoform	MW12	3/12/97	0.2	5	ND	ug/L
Bromoform	MW13	3/12/97	0.2	5	ND	ug/L
Bromoform	MW15	3/12/97	0.2	5	ND	ug/L
Bromoform	MW20	3/12/97	0.2	5	ND	ug/L
Bromoform	MW21	3/12/97	0.2	5	ND	ug/L
Bromoform	MW02B	12/4/96	0.2	5	ND	ug/L
Bromoform	MW05A	12/4/96	0.2	5	ND	ug/L
Bromoform	MW11	12/4/96	0.2	5	ND	ug/L
Bromoform	MW12	12/4/96	0.2	5	ND	ug/L
Bromoform	MW13	12/4/96	0.2	5	ND	ug/L
Bromoform	MW15	12/4/96	0.2	5	ND	ug/L
Bromoform	MW20	12/4/96	0.2	5	ND	ug/L
Bromoform	MW21	12/4/96	0.2	5	ND	ug/L
Bromoform	MW02B	9/11/96	0.2	5	ND	ug/L
Bromoform	MW05A	9/11/96	0.2	5	ND	ug/L
Bromoform	MW11	9/11/96	0.2	5	ND	ug/L
Bromoform	MW12	9/11/96	0.2	5	ND	ug/L
Bromoform	MW13	9/11/96	0.2	5	ND	ug/L
Bromoform	MW15	9/11/96	0.2	5	ND	ug/L
Bromoform	MW20	9/11/96	0.2	5	ND	ug/L
Bromoform	MW21	9/11/96	0.2	5	ND	ug/L
Bromoform	MW02B	7/2/96	0.2	5	ND	ug/L
Bromoform	MW05A	7/2/96	0.2	5	ND	ug/L
Bromoform	MW11	7/2/96	0.2	5	ND	ug/L
Bromoform	MW12	7/2/96	0.2	5	ND	ug/L
Bromoform	MW13	7/2/96	0.2	5	ND	ug/L
Bromoform	MW15	7/2/96	0.2	5	ND	ug/L
Bromoform	MW20	7/2/96	0.2	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromoform	MW21	7/2/96	0.2	5	ND	ug/L
Bromoform	MW01A	7/22/94	0.2	5	ND	ug/L
Bromoform	MW02A	7/22/94	0.2	5	ND	ug/L
Bromoform	MW03	7/22/94	0.2	5	ND	ug/L
Bromoform	MW05	7/22/94	0.2	5	ND	ug/L
Bromoform	MW06	7/22/94	0.2	5	ND	ug/L
Bromoform	MW05A	5/12/94	0.5	5	ND	ug/L
Bromoform	MW15	4/26/94	0.5	5	ND	ug/L
Bromoform	MW01A	4/25/94	0.5	5	ND	ug/L
Bromoform	MW02A	4/25/94	0.5	5	ND	ug/L
Bromoform	MW03	4/25/94	0.5	5	ND	ug/L
Bromoform	MW05	4/25/94	0.5	5	ND	ug/L
Bromoform	MW06	4/25/94	0.5	5	ND	ug/L
Bromoform	MW01A	1/31/94	0.5	5	ND	ug/L
Bromoform	MW02A	1/31/94	0.5	5	ND	ug/L
Bromoform	MW03	1/31/94	0.5	5	ND	ug/L
Bromoform	MW05	1/31/94	0.5	5	ND	ug/L
Bromoform	MW06	1/31/94	0.5	5	ND	ug/L
Bromoform	MW01A	10/18/93	0.5	5	ND	ug/L
Bromoform	MW02A	10/18/93	0.5	5	ND	ug/L
Bromoform	MW03	10/18/93	0.5	5	ND	ug/L
Bromoform	MW05	10/18/93	0.5	5	ND	ug/L
Bromoform	MW06	10/18/93	0.5	5	ND	ug/L
Bromoform	MW03	7/27/93	0.5	5	ND	ug/L
Bromoform	MW06	7/27/93	0.5	5	ND	ug/L
Bromoform	MW01A	7/26/93	0.5	5	ND	ug/L
Bromoform	MW02A	7/26/93	0.5	5	ND	ug/L
Bromoform	MW05	7/26/93	0.5	5	ND	ug/L
Bromoform	MW02A	5/21/92	1	5	ND	ug/L
Bromoform	MW01A	11/7/91	0.5	5	ND	ug/L
Bromoform	MW02A	11/7/91	0.5	5	ND	ug/L
Bromoform	MW03	11/7/91	0.5	5	ND	ug/L
Bromoform	MW05	11/7/91	0.5	5	ND	ug/L
Bromoform	MW06	11/7/91	0.5	5	ND	ug/L
Bromomethane	PZ-32	7/28/06	10	10	ND	ug/L
Bromomethane	MW-02C	7/20/06	10	10	ND	ug/L
Bromomethane	MW-05A	7/20/06	10	10	ND	ug/L
Bromomethane	MW-11	7/20/06	10	10	ND	ug/L
Bromomethane	MW-12	7/20/06	10	10	ND	ug/L
Bromomethane	MW-13	7/20/06	10	10	ND	ug/L
Bromomethane	MW-15	7/20/06	10	10	ND	ug/L
Bromomethane	MW-20	7/20/06	10	10	ND	ug/L
Bromomethane	MW-21	7/20/06	10	10	ND	ug/L
Bromomethane	PZ-33	7/20/06	10	10	ND	ug/L
Bromomethane	MW-10	5/12/06	10	10	ND	ug/L
Bromomethane	PZ-32	5/12/06	10	10	ND	ug/L
Bromomethane	PZ-32	1/24/06	10	10	ND	ug/L
Bromomethane	MW-02C	1/19/06	10	10	ND	ug/L
Bromomethane	MW-05A	1/19/06	10	10	ND	ug/L
Bromomethane	MW-11	1/19/06	10	10	ND	ug/L
Bromomethane	MW-12	1/19/06	10	10	ND	ug/L
Bromomethane	MW-13	1/19/06	10	10	ND	ug/L
Bromomethane	MW-15	1/19/06	10	10	ND	ug/L
Bromomethane	MW-20	1/19/06	10	10	ND	ug/L
Bromomethane	MW-21	1/19/06	10	10	ND	ug/L
Bromomethane	PZ-33	1/19/06	10	10	ND	ug/L
Bromomethane	FB-01	11/17/05	10	10	ND	ug/L
Bromomethane	PZ-30	11/17/05	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromomethane	PZ-33	11/17/05	10	10	ND	ug/L
Bromomethane	TRIP BLANK	11/17/05	10	10	ND	ug/L
Bromomethane	PZ-29	8/26/05	10	10	ND	ug/L
Bromomethane	PZ-33	8/26/05	10	10	ND	ug/L
Bromomethane	MW-02C	8/18/05	10	10	ND	ug/L
Bromomethane	MW-05A	8/18/05	10	10	ND	ug/L
Bromomethane	MW-11	8/18/05	10	10	ND	ug/L
Bromomethane	MW-12	8/18/05	10	10	ND	ug/L
Bromomethane	MW-13	8/18/05	10	10	ND	ug/L
Bromomethane	MW-15	8/18/05	10	10	ND	ug/L
Bromomethane	MW-20	8/18/05	10	10	ND	ug/L
Bromomethane	MW-21	8/18/05	10	10	ND	ug/L
Bromomethane	MW07	3/23/05	10	10	ND	ug/L
Bromomethane	MW33	3/23/05	10	10	ND	ug/L
Bromomethane	PZ-29	3/23/05	10	10	ND	ug/L
Bromomethane	PZ-30	3/23/05	10	10	ND	ug/L
Bromomethane	PZ-32	3/23/05	10	10	ND	ug/L
Bromomethane	PZ-33	3/23/05	10	10	ND	ug/L
Bromomethane	MW02C	3/17/05	10	10	ND	ug/L
Bromomethane	MW05A	3/17/05	10	10	ND	ug/L
Bromomethane	MW11	3/17/05	10	10	ND	ug/L
Bromomethane	MW12	3/17/05	10	10	ND	ug/L
Bromomethane	MW13	3/17/05	10	10	ND	ug/L
Bromomethane	MW15	3/17/05	10	10	ND	ug/L
Bromomethane	MW20	3/17/05	10	10	ND	ug/L
Bromomethane	MW21	3/17/05	10	10	ND	ug/L
Bromomethane	MW02C	9/2/04	10	10	ND	ug/L
Bromomethane	MW05A	9/2/04	10	10	ND	ug/L
Bromomethane	MW11	9/2/04	10	10	ND	ug/L
Bromomethane	MW12	9/2/04	10	10	ND	ug/L
Bromomethane	MW13	9/2/04	10	10	ND	ug/L
Bromomethane	MW15	9/2/04	10	10	ND	ug/L
Bromomethane	MW20	9/2/04	10	10	ND	ug/L
Bromomethane	MW21	9/2/04	10	10	ND	ug/L
Bromomethane	PZ-29	5/26/04	10	10	ND	ug/L
Bromomethane	PZ-33	5/26/04	10	10	ND	ug/L
Bromomethane	MW33	5/26/04	10	10	ND	ug/L
Bromomethane	PZ-30	5/26/04	10	10	ND	ug/L
Bromomethane	PZ-28	4/2/04	10	10	ND	ug/L
Bromomethane	PZ-29	4/2/04	10	10	ND	ug/L
Bromomethane	PZ-32	4/2/04	10	10	ND	ug/L
Bromomethane	PZ-33	4/2/04	10	10	ND	ug/L
Bromomethane	MW33	4/2/04	10	10	ND	ug/L
Bromomethane	PZ-30	4/2/04	10	10	ND	ug/L
Bromomethane	MW11	3/26/04	10	10	ND	ug/L
Bromomethane	MW21	3/26/04	10	10	ND	ug/L
Bromomethane	MW13	3/26/04	10	10	ND	ug/L
Bromomethane	MW02C	3/26/04	10	10	ND	ug/L
Bromomethane	MW15	3/26/04	10	10	ND	ug/L
Bromomethane	MW05A	3/26/04	10	10	ND	ug/L
Bromomethane	MW12	3/26/04	10	10	ND	ug/L
Bromomethane	MW20	3/26/04	10	10	ND	ug/L
Bromomethane	PZ-29	12/30/03	10	10	ND	ug/L
Bromomethane	PZ-33	12/30/03	10	10	ND	ug/L
Bromomethane	PZ-30	12/30/03	10	10	ND	ug/L
Bromomethane	PZ-27	12/30/03	10	10	ND	ug/L
Bromomethane	PZ-29	10/1/03	10	10	ND	ug/L
Bromomethane	PZ-33	10/1/03	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromomethane	PZ-30	10/1/03	10	10	ND	ug/L
Bromomethane	MW33	10/1/03	10	10	ND	ug/L
Bromomethane	PZ-32	10/1/03	10	10	ND	ug/L
Bromomethane	PZ-27	10/1/03	10	10	ND	ug/L
Bromomethane	MW11	9/24/03	10	10	ND	ug/L
Bromomethane	MW21	9/24/03	10	10	ND	ug/L
Bromomethane	MW13	9/24/03	10	10	ND	ug/L
Bromomethane	MW15	9/24/03	10	10	ND	ug/L
Bromomethane	MW02C	9/24/03	10	10	ND	ug/L
Bromomethane	MW05A	9/24/03	10	10	ND	ug/L
Bromomethane	MW12	9/24/03	10	10	ND	ug/L
Bromomethane	MW20	9/24/03	10	10	ND	ug/L
Bromomethane	MW33	7/25/03	10	10	ND	ug/L
Bromomethane	PZ-30	7/25/03	10	10	ND	ug/L
Bromomethane	MW02C	3/20/03	10	10	ND	ug/L
Bromomethane	MW12	3/20/03	10	10	ND	ug/L
Bromomethane	MW11	3/20/03	10	10	ND	ug/L
Bromomethane	MW15	3/20/03	10	10	ND	ug/L
Bromomethane	MW13	3/20/03	10	10	ND	ug/L
Bromomethane	MW20	3/20/03	10	10	ND	ug/L
Bromomethane	MW21	3/20/03	10	10	ND	ug/L
Bromomethane	MW05A	3/20/03	10	10	ND	ug/L
Bromomethane	MW11	9/24/02	10	10	ND	ug/L
Bromomethane	MW21	9/24/02	10	10	ND	ug/L
Bromomethane	MW13	9/24/02	10	10	ND	ug/L
Bromomethane	MW02C	9/24/02	10	10	ND	ug/L
Bromomethane	MW15	9/24/02	10	10	ND	ug/L
Bromomethane	MW05A	9/24/02	10	10	ND	ug/L
Bromomethane	MW12	9/24/02	10	10	ND	ug/L
Bromomethane	MW20	9/24/02	10	10	ND	ug/L
Bromomethane	MW11	3/12/02	10	10	ND	ug/L
Bromomethane	MW21	3/12/02	10	10	ND	ug/L
Bromomethane	MW13	3/12/02	10	10	ND	ug/L
Bromomethane	MW02C	3/12/02	10	10	ND	ug/L
Bromomethane	MW15	3/12/02	10	10	ND	ug/L
Bromomethane	MW05A	3/12/02	10	10	ND	ug/L
Bromomethane	MW12	3/12/02	10	10	ND	ug/L
Bromomethane	MW20	3/12/02	10	10	ND	ug/L
Bromomethane	MW02C	1/9/02	10	10	ND	ug/L
Bromomethane	MW11	9/25/01	10	10	ND	ug/L
Bromomethane	MW21	9/25/01	10	10	ND	ug/L
Bromomethane	MW13	9/25/01	10	10	ND	ug/L
Bromomethane	MW02C	9/25/01	10	10	ND	ug/L
Bromomethane	MW15	9/25/01	10	10	ND	ug/L
Bromomethane	MW20	9/25/01	10	10	ND	ug/L
Bromomethane	MW05A	9/25/01	10	10	ND	ug/L
Bromomethane	MW12	9/25/01	10	10	ND	ug/L
Bromomethane	MW02C	6/1/01	10	10	ND	ug/L
Bromomethane	MW11	3/14/01	10	10	ND	ug/L
Bromomethane	MW21	3/14/01	10	10	ND	ug/L
Bromomethane	MW13	3/14/01	10	10	ND	ug/L
Bromomethane	MW02C	3/14/01	10	10	ND	ug/L
Bromomethane	MW15	3/14/01	10	10	ND	ug/L
Bromomethane	MW05A	3/14/01	10	10	ND	ug/L
Bromomethane	MW20	3/14/01	10	10	ND	ug/L
Bromomethane	MW12	3/14/01	10	10	ND	ug/L
Bromomethane	MW02C	12/6/00	10	10	ND	ug/L
Bromomethane	MW11	9/26/00	10	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromomethane	MW12	9/26/00	10	10	ND	ug/L
Bromomethane	MW20	9/26/00	10	10	ND	ug/L
Bromomethane	MW02C	9/26/00	10	10	ND	ug/L
Bromomethane	MW13	9/26/00	10	10	ND	ug/L
Bromomethane	MW15	9/26/00	10	10	ND	ug/L
Bromomethane	MW05A	9/26/00	10	10	ND	ug/L
Bromomethane	MW21	9/26/00	10	10	ND	ug/L
Bromomethane	MW30	3/21/00	5	5	ND	ug/L
Bromomethane	MW11	3/21/00	10	10	ND	ug/L
Bromomethane	MW21	3/21/00	10	10	ND	ug/L
Bromomethane	MW13	3/21/00	10	10	ND	ug/L
Bromomethane	MW02B	3/21/00	10	10	ND	ug/L
Bromomethane	MW20	3/21/00	10	10	ND	ug/L
Bromomethane	MW15	3/21/00	10	10	ND	ug/L
Bromomethane	MW05A	3/21/00	10	10	ND	ug/L
Bromomethane	MW12	3/21/00	10	10	ND	ug/L
Bromomethane	MW29A	3/20/00	5	5	ND	ug/L
Bromomethane	PZ-26	3/16/00	5	5	ND	ug/L
Bromomethane	MW13	9/21/99	10	10	ND	ug/L
Bromomethane	MW15	9/21/99	10	10	ND	ug/L
Bromomethane	MW05A	9/21/99	10	10	ND	ug/L
Bromomethane	MW21	9/21/99	10	10	ND	ug/L
Bromomethane	MW11	9/21/99	10	10	ND	ug/L
Bromomethane	MW12	9/21/99	10	10	ND	ug/L
Bromomethane	MW20	9/21/99	10	10	ND	ug/L
Bromomethane	MW02B	9/21/99	10	10	ND	ug/L
Bromomethane	MW13	3/17/99	10	10	ND	ug/L
Bromomethane	MW05A	3/17/99	10	10	ND	ug/L
Bromomethane	MW15	3/16/99	10	10	ND	ug/L
Bromomethane	MW21	3/16/99	10	10	ND	ug/L
Bromomethane	MW12	3/16/99	10	10	ND	ug/L
Bromomethane	MW20	3/16/99	10	10	ND	ug/L
Bromomethane	MW02B	3/15/99	10	10	ND	ug/L
Bromomethane	MW11	3/15/99	10	10	ND	ug/L
Bromomethane	PZ-26	2/25/99	5	5	ND	ug/L
Bromomethane	MW06	2/25/99	5	5	ND	ug/L
Bromomethane	PZ-25	2/25/99	5	5	ND	ug/L
Bromomethane	MW03	2/25/99	5	5	ND	ug/L
Bromomethane	MW02B	10/15/98	0.3	10	ND	ug/L
Bromomethane	MW05A	10/15/98	0.3	10	ND	ug/L
Bromomethane	MW11	10/15/98	0.3	10	ND	ug/L
Bromomethane	MW12	10/15/98	0.3	10	ND	ug/L
Bromomethane	MW13	10/15/98	0.3	10	ND	ug/L
Bromomethane	MW15	10/15/98	0.3	10	ND	ug/L
Bromomethane	MW20	10/15/98	0.3	10	ND	ug/L
Bromomethane	MW21	10/15/98	0.3	10	ND	ug/L
Bromomethane	MW02B	3/12/98	0.3	10	ND	ug/L
Bromomethane	MW05A	3/12/98	0.3	10	ND	ug/L
Bromomethane	MW11	3/12/98	0.3	10	ND	ug/L
Bromomethane	MW12	3/12/98	0.3	10	ND	ug/L
Bromomethane	MW13	3/12/98	0.3	10	ND	ug/L
Bromomethane	MW15	3/12/98	0.3	10	ND	ug/L
Bromomethane	MW20	3/12/98	0.3	10	ND	ug/L
Bromomethane	MW21	3/12/98	0.3	10	ND	ug/L
Bromomethane	MW02B	12/19/97	0.3	10	ND	ug/L
Bromomethane	MW05A	12/19/97	0.3	10	ND	ug/L
Bromomethane	MW11	12/19/97	0.3	10	ND	ug/L
Bromomethane	MW12	12/19/97	0.3	10	ND	ug/L

Technically Complete
2620

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromomethane	MW13	12/19/97	0.3	10	ND	ug/L
Bromomethane	MW15	12/19/97	0.3	10	ND	ug/L
Bromomethane	MW20	12/19/97	0.3	10	ND	ug/L
Bromomethane	MW21	12/19/97	0.3	10	ND	ug/L
Bromomethane	MW05A	9/11/97	0.3	10	ND	ug/L
Bromomethane	MW11	9/11/97	0.3	10	ND	ug/L
Bromomethane	MW21	9/11/97	0.3	10	ND	ug/L
Bromomethane	MW02B	9/10/97	0.3	10	ND	ug/L
Bromomethane	MW12	9/10/97	0.3	10	ND	ug/L
Bromomethane	MW13	9/10/97	0.3	10	ND	ug/L
Bromomethane	MW15	9/10/97	0.3	10	ND	ug/L
Bromomethane	MW20	9/10/97	0.3	10	ND	ug/L
Bromomethane	MW02B	6/27/97	0.3	10	ND	ug/L
Bromomethane	MW05A	6/27/97	0.3	10	ND	ug/L
Bromomethane	MW11	6/27/97	0.3	10	ND	ug/L
Bromomethane	MW12	6/27/97	0.3	10	ND	ug/L
Bromomethane	MW13	6/27/97	0.3	10	ND	ug/L
Bromomethane	MW15	6/27/97	0.3	10	ND	ug/L
Bromomethane	MW20	6/27/97	0.3	10	ND	ug/L
Bromomethane	MW21	6/27/97	0.3	10	ND	ug/L
Bromomethane	MW02B	3/12/97	0.3	10	ND	ug/L
Bromomethane	MW05A	3/12/97	0.3	10	ND	ug/L
Bromomethane	MW11	3/12/97	0.3	10	ND	ug/L
Bromomethane	MW12	3/12/97	0.3	10	ND	ug/L
Bromomethane	MW13	3/12/97	0.3	10	ND	ug/L
Bromomethane	MW15	3/12/97	0.3	10	ND	ug/L
Bromomethane	MW20	3/12/97	0.3	10	ND	ug/L
Bromomethane	MW21	3/12/97	0.3	10	ND	ug/L
Bromomethane	MW02B	12/4/96	0.3	10	ND	ug/L
Bromomethane	MW05A	12/4/96	0.3	10	ND	ug/L
Bromomethane	MW11	12/4/96	0.3	10	ND	ug/L
Bromomethane	MW12	12/4/96	0.3	10	ND	ug/L
Bromomethane	MW13	12/4/96	0.3	10	ND	ug/L
Bromomethane	MW15	12/4/96	0.3	10	ND	ug/L
Bromomethane	MW20	12/4/96	0.3	10	ND	ug/L
Bromomethane	MW21	12/4/96	0.3	10	ND	ug/L
Bromomethane	MW02B	9/11/96	0.3	10	ND	ug/L
Bromomethane	MW05A	9/11/96	0.3	10	ND	ug/L
Bromomethane	MW11	9/11/96	0.3	10	ND	ug/L
Bromomethane	MW12	9/11/96	0.3	10	ND	ug/L
Bromomethane	MW13	9/11/96	0.3	10	ND	ug/L
Bromomethane	MW15	9/11/96	0.3	10	ND	ug/L
Bromomethane	MW20	9/11/96	0.3	10	ND	ug/L
Bromomethane	MW21	9/11/96	0.3	10	ND	ug/L
Bromomethane	MW02B	7/2/96	0.4	10	ND	ug/L
Bromomethane	MW05A	7/2/96	0.4	10	ND	ug/L
Bromomethane	MW11	7/2/96	0.4	10	ND	ug/L
Bromomethane	MW12	7/2/96	0.4	10	ND	ug/L
Bromomethane	MW13	7/2/96	0.4	10	ND	ug/L
Bromomethane	MW15	7/2/96	0.4	10	ND	ug/L
Bromomethane	MW20	7/2/96	0.4	10	ND	ug/L
Bromomethane	MW21	7/2/96	0.4	10	ND	ug/L
Bromomethane	MW01A	7/22/94	0.4	10	ND	ug/L
Bromomethane	MW02A	7/22/94	0.4	10	ND	ug/L
Bromomethane	MW03	7/22/94	0.4	10	ND	ug/L
Bromomethane	MW05	7/22/94	0.4	10	ND	ug/L
Bromomethane	MW06	7/22/94	0.4	10	ND	ug/L
Bromomethane	MW05A	5/12/94	0.5	10	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Bromomethane	MW15	4/26/94	0.5	10	ND	ug/L
Bromomethane	MW01A	4/25/94	0.5	10	ND	ug/L
Bromomethane	MW02A	4/25/94	0.5	10	ND	ug/L
Bromomethane	MW03	4/25/94	0.5	10	ND	ug/L
Bromomethane	MW05	4/25/94	0.5	10	ND	ug/L
Bromomethane	MW06	4/25/94	0.5	10	ND	ug/L
Bromomethane	MW01A	1/31/94	0.5	10	ND	ug/L
Bromomethane	MW02A	1/31/94	0.5	10	ND	ug/L
Bromomethane	MW03	1/31/94	0.5	10	ND	ug/L
Bromomethane	MW05	1/31/94	0.5	10	ND	ug/L
Bromomethane	MW06	1/31/94	0.5	10	ND	ug/L
Bromomethane	MW01A	10/18/93	0.5	10	ND	ug/L
Bromomethane	MW02A	10/18/93	0.5	10	ND	ug/L
Bromomethane	MW03	10/18/93	0.5	10	ND	ug/L
Bromomethane	MW05	10/18/93	0.5	10	ND	ug/L
Bromomethane	MW06	10/18/93	0.5	10	ND	ug/L
Bromomethane	MW03	7/27/93	0.5	10	ND	ug/L
Bromomethane	MW06	7/27/93	0.5	10	ND	ug/L
Bromomethane	MW01A	7/26/93	0.5	10	ND	ug/L
Bromomethane	MW02A	7/26/93	0.5	10	ND	ug/L
Bromomethane	MW05	7/26/93	0.5	10	ND	ug/L
Bromomethane	MW02A	5/21/92	2	10	ND	ug/L
Bromomethane	MW01A	11/7/91	0.5	10	ND	ug/L
Bromomethane	MW02A	11/7/91	0.5	10	ND	ug/L
Bromomethane	MW03	11/7/91	0.5	10	ND	ug/L
Bromomethane	MW05	11/7/91	0.5	10	ND	ug/L
Bromomethane	MW06	11/7/91	0.5	10	ND	ug/L
Butyl benzyl phthalate	MW30	3/21/00	10	10	ND	ug/L
Butyl benzyl phthalate	MW29A	3/20/00	10	10	ND	ug/L
Butyl benzyl phthalate	PZ-26	3/16/00	10	10	ND	ug/L
Butyl benzyl phthalate	MW02A	5/21/92	1	10	ND	ug/L
Cadmium	MW32	5/26/04	5	5	ND	ug/L
Cadmium	MW29A	5/26/04	5	5	ND	ug/L
Cadmium	PZ-31	5/26/04	5	5	ND	ug/L
Cadmium	PZ-26	5/26/04	5	5	ND	ug/L
Cadmium	MW1X	5/26/04	5	5	ND	ug/L
Cadmium	PZ-26	10/22/03	5	5	ND	ug/L
Cadmium	MW29A	10/22/03	5	5	ND	ug/L
Cadmium	MW32	10/22/03	5	5	ND	ug/L
Cadmium	MW32	5/15/03	5	5	ND	ug/L
Cadmium	MW29A	5/15/03	5	5	ND	ug/L
Cadmium	PZ-26	5/15/03	5	5	ND	ug/L
Cadmium	PZ-26	11/1/02	5	5	ND	ug/L
Cadmium	MW29A	11/1/02	5	5	ND	ug/L
Cadmium	MW32	11/1/02	5	5	ND	ug/L
Cadmium	PZ-26	10/31/01	5	5	ND	ug/L
Cadmium	MW29A	10/31/01	5	5	ND	ug/L
Cadmium	PZ-26	6/29/01	5	5	ND	ug/L
Cadmium	MW29A	6/29/01	5	5	ND	ug/L
Cadmium	MW30	3/21/00	1.6	5	B	ug/L
Cadmium	MW29A	3/20/00	1.4	5	B	ug/L
Cadmium	PZ-26	3/16/00	1.3	5	B	ug/L
Cadmium, Dissolved	PZ-32	7/28/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-02C	7/20/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-05A	7/20/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-11	7/20/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-12	7/20/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-13	7/20/06	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Cadmium, Dissolved	MW-15	7/20/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-20	7/20/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-21	7/20/06	5	5	ND	ug/L
Cadmium, Dissolved	PZ-33	7/20/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-10	5/12/06	5	5	ND	ug/L
Cadmium, Dissolved	PZ-32	5/12/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-02C	1/19/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-05A	1/19/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-11	1/19/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-12	1/19/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-13	1/19/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-15	1/19/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-20	1/19/06	5	5	ND	ug/L
Cadmium, Dissolved	MW-21	1/19/06	5	5	ND	ug/L
Cadmium, Dissolved	PZ-33	1/19/06	5	5	ND	ug/L
Cadmium, Dissolved	FB-01	11/17/05	5	5	ND	ug/L
Cadmium, Dissolved	PZ-33	11/17/05	5	5	ND	ug/L
Cadmium, Dissolved	PZ-29	8/26/05	5	5	ND	ug/L
Cadmium, Dissolved	PZ-33	8/26/05	5	5	ND	ug/L
Cadmium, Dissolved	MW-02C	8/18/05	5	5	ND	ug/L
Cadmium, Dissolved	MW-05A	8/18/05	5	5	ND	ug/L
Cadmium, Dissolved	MW-11	8/18/05	5	5	ND	ug/L
Cadmium, Dissolved	MW-12	8/18/05	5	5	ND	ug/L
Cadmium, Dissolved	MW-13	8/18/05	5	5	ND	ug/L
Cadmium, Dissolved	MW-15	8/18/05	5	5	ND	ug/L
Cadmium, Dissolved	MW-20	8/18/05	5	5	ND	ug/L
Cadmium, Dissolved	MW-21	8/18/05	5	5	ND	ug/L
Cadmium, Dissolved	PZ-29	3/23/05	5	5	ND	ug/L
Cadmium, Dissolved	PZ-33	3/23/05	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	3/17/05	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	3/17/05	5	5	ND	ug/L
Cadmium, Dissolved	MW11	3/17/05	5	5	ND	ug/L
Cadmium, Dissolved	MW12	3/17/05	5	5	ND	ug/L
Cadmium, Dissolved	MW13	3/17/05	5	5	ND	ug/L
Cadmium, Dissolved	MW15	3/17/05	5	5	ND	ug/L
Cadmium, Dissolved	MW20	3/17/05	5	5	ND	ug/L
Cadmium, Dissolved	MW21	3/17/05	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	9/2/04	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	9/2/04	5	5	ND	ug/L
Cadmium, Dissolved	MW11	9/2/04	5	5	ND	ug/L
Cadmium, Dissolved	MW12	9/2/04	5	5	ND	ug/L
Cadmium, Dissolved	MW13	9/2/04	5	5	ND	ug/L
Cadmium, Dissolved	MW15	9/2/04	5	5	ND	ug/L
Cadmium, Dissolved	MW21	9/2/04	5	5	ND	ug/L
Cadmium, Dissolved	PZ-29	5/26/04	5	5	ND	ug/L
Cadmium, Dissolved	PZ-33	5/26/04	5	5	ND	ug/L
Cadmium, Dissolved	PZ-29	4/2/04	5	5	ND	ug/L
Cadmium, Dissolved	PZ-33	4/2/04	5	5	ND	ug/L
Cadmium, Dissolved	MW11	3/26/04	5	5	ND	ug/L
Cadmium, Dissolved	MW21	3/26/04	5	5	ND	ug/L
Cadmium, Dissolved	MW13	3/26/04	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	3/26/04	5	5	ND	ug/L
Cadmium, Dissolved	MW15	3/26/04	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	3/26/04	5	5	ND	ug/L
Cadmium, Dissolved	MW12	3/26/04	5	5	ND	ug/L
Cadmium, Dissolved	MW20	3/26/04	5	5	ND	ug/L
Cadmium, Dissolved	PZ-33	12/30/03	5	5	ND	ug/L
Cadmium, Dissolved	PZ-33	10/1/03	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Cadmium, Dissolved	PZ-30	10/1/03	5	5	ND	ug/L
Cadmium, Dissolved	MW11	9/24/03	5	5	ND	ug/L
Cadmium, Dissolved	MW21	9/24/03	5	5	ND	ug/L
Cadmium, Dissolved	MW13	9/24/03	5	5	ND	ug/L
Cadmium, Dissolved	MW15	9/24/03	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	9/24/03	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	9/24/03	5	5	ND	ug/L
Cadmium, Dissolved	MW12	9/24/03	5	5	ND	ug/L
Cadmium, Dissolved	MW20	9/24/03	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	5/15/03	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	3/20/03	5	5	ND	ug/L
Cadmium, Dissolved	MW12	3/20/03	5	5	ND	ug/L
Cadmium, Dissolved	MW11	3/20/03	5	5	ND	ug/L
Cadmium, Dissolved	MW15	3/20/03	5	5	ND	ug/L
Cadmium, Dissolved	MW13	3/20/03	5	5	ND	ug/L
Cadmium, Dissolved	MW20	3/20/03	5	5	ND	ug/L
Cadmium, Dissolved	MW21	3/20/03	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	3/20/03	5	5	ND	ug/L
Cadmium, Dissolved	MW11	9/24/02	5	5	ND	ug/L
Cadmium, Dissolved	MW21	9/24/02	5	5	ND	ug/L
Cadmium, Dissolved	MW13	9/24/02	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	9/24/02	5	5	ND	ug/L
Cadmium, Dissolved	MW15	9/24/02	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	9/24/02	5	5	ND	ug/L
Cadmium, Dissolved	MW12	9/24/02	5	5	ND	ug/L
Cadmium, Dissolved	MW20	9/24/02	5	5	ND	ug/L
Cadmium, Dissolved	MW11	3/12/02	5	5	ND	ug/L
Cadmium, Dissolved	MW21	3/12/02	5	5	ND	ug/L
Cadmium, Dissolved	MW13	3/12/02	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	3/12/02	5	5	ND	ug/L
Cadmium, Dissolved	MW15	3/12/02	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	3/12/02	5	5	ND	ug/L
Cadmium, Dissolved	MW12	3/12/02	5	5	ND	ug/L
Cadmium, Dissolved	MW20	3/12/02	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	1/9/02	5	5	ND	ug/L
Cadmium, Dissolved	MW11	9/25/01	5	5	ND	ug/L
Cadmium, Dissolved	MW21	9/25/01	5	5	ND	ug/L
Cadmium, Dissolved	MW13	9/25/01	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	9/25/01	5	5	ND	ug/L
Cadmium, Dissolved	MW15	9/25/01	5	5	ND	ug/L
Cadmium, Dissolved	MW20	9/25/01	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	9/25/01	5	5	ND	ug/L
Cadmium, Dissolved	MW12	9/25/01	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	6/1/01	5	5	ND	ug/L
Cadmium, Dissolved	MW11	3/14/01	5	5	ND	ug/L
Cadmium, Dissolved	MW21	3/14/01	5	5	ND	ug/L
Cadmium, Dissolved	MW13	3/14/01	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	3/14/01	5	5	ND	ug/L
Cadmium, Dissolved	MW15	3/14/01	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	3/14/01	5	5	ND	ug/L
Cadmium, Dissolved	MW20	3/14/01	5	5	ND	ug/L
Cadmium, Dissolved	MW12	3/14/01	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	12/6/00	5	5	ND	ug/L
Cadmium, Dissolved	MW11	9/26/00	5	5	ND	ug/L
Cadmium, Dissolved	MW12	9/26/00	5	5	ND	ug/L
Cadmium, Dissolved	MW20	9/26/00	5	5	ND	ug/L
Cadmium, Dissolved	MW02C	9/26/00	5	5	ND	ug/L
Cadmium, Dissolved	MW13	9/26/00	5	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Cadmium, Dissolved	MW15	9/26/00	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	9/26/00	5	5	ND	ug/L
Cadmium, Dissolved	MW21	9/26/00	5	5	ND	ug/L
Cadmium, Dissolved	MW11	3/21/00	5	5	ND	ug/L
Cadmium, Dissolved	MW21	3/21/00	5	5	ND	ug/L
Cadmium, Dissolved	MW13	3/21/00	5	5	ND	ug/L
Cadmium, Dissolved	MW02B	3/21/00	5	5	ND	ug/L
Cadmium, Dissolved	MW20	3/21/00	5	5	ND	ug/L
Cadmium, Dissolved	MW15	3/21/00	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	3/21/00	5	5	ND	ug/L
Cadmium, Dissolved	MW12	3/21/00	5	5	ND	ug/L
Cadmium, Dissolved	MW13	9/21/99	5	5	ND	ug/L
Cadmium, Dissolved	MW15	9/21/99	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	9/21/99	5	5	ND	ug/L
Cadmium, Dissolved	MW21	9/21/99	5	5	ND	ug/L
Cadmium, Dissolved	MW11	9/21/99	5	5	ND	ug/L
Cadmium, Dissolved	MW12	9/21/99	5	5	ND	ug/L
Cadmium, Dissolved	MW20	9/21/99	5	5	ND	ug/L
Cadmium, Dissolved	MW02B	9/21/99	5	5	ND	ug/L
Cadmium, Dissolved	MW13	3/17/99	5	5	ND	ug/L
Cadmium, Dissolved	MW05A	3/17/99	5	5	ND	ug/L
Cadmium, Dissolved	MW15	3/16/99	5	5	ND	ug/L
Cadmium, Dissolved	MW21	3/16/99	5	5	ND	ug/L
Cadmium, Dissolved	MW12	3/16/99	5	5	ND	ug/L
Cadmium, Dissolved	MW20	3/16/99	5	5	ND	ug/L
Cadmium, Dissolved	MW02B	3/15/99	5	5	ND	ug/L
Cadmium, Dissolved	MW11	3/15/99	5	5	ND	ug/L
Cadmium, Dissolved	PZ-26	2/25/99	5	5	ND	ug/L
Cadmium, Dissolved	MW06	2/25/99	5	5	ND	ug/L
Cadmium, Dissolved	PZ-25	2/25/99	5	5	ND	ug/L
Cadmium, Dissolved	MW03	2/25/99	5	5	ND	ug/L
Cadmium, Dissolved	MW02B	10/15/98	4	5	ND	ug/L
Cadmium, Dissolved	MW05A	10/15/98	4	5	ND	ug/L
Cadmium, Dissolved	MW11	10/15/98	4	5	ND	ug/L
Cadmium, Dissolved	MW12	10/15/98	4	5	ND	ug/L
Cadmium, Dissolved	MW13	10/15/98	4	5	ND	ug/L
Cadmium, Dissolved	MW15	10/15/98	4	5	ND	ug/L
Cadmium, Dissolved	MW20	10/15/98	4.8	5	J	ug/L
Cadmium, Dissolved	MW21	10/15/98	4	5	ND	ug/L
Cadmium, Dissolved	MW02B	3/12/98	4.1	5	J	ug/L
Cadmium, Dissolved	MW05A	3/12/98	4	5	ND	ug/L
Cadmium, Dissolved	MW11	3/12/98	4	5	ND	ug/L
Cadmium, Dissolved	MW12	3/12/98	4	5	ND	ug/L
Cadmium, Dissolved	MW13	3/12/98	4	5	ND	ug/L
Cadmium, Dissolved	MW15	3/12/98	4	5	ND	ug/L
Cadmium, Dissolved	MW20	3/12/98	4	5	ND	ug/L
Cadmium, Dissolved	MW21	3/12/98	4	5	ND	ug/L
Cadmium, Dissolved	MW02B	12/19/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW05A	12/19/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW11	12/19/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW12	12/19/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW13	12/19/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW15	12/19/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW20	12/19/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW21	12/19/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW05A	9/11/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW11	9/11/97	4.6	5	J	ug/L
Cadmium, Dissolved	MW21	9/11/97	4.4	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Cadmium, Dissolved	MW02B	9/10/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW12	9/10/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW13	9/10/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW15	9/10/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW20	9/10/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW02B	6/27/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW05A	6/27/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW11	6/27/97	5.3	5		ug/L
Cadmium, Dissolved	MW12	6/27/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW13	6/27/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW15	6/27/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW20	6/27/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW21	6/27/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW02B	3/12/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW05A	3/12/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW11	3/12/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW12	3/12/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW13	3/12/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW15	3/12/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW20	3/12/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW21	3/12/97	4.4	5	ND	ug/L
Cadmium, Dissolved	MW02B	12/4/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW05A	12/4/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW11	12/4/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW12	12/4/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW13	12/4/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW15	12/4/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW20	12/4/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW21	12/4/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW02B	9/11/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW05A	9/11/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW11	9/11/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW12	9/11/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW13	9/11/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW15	9/11/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW20	9/11/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW21	9/11/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW02B	7/2/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW05A	7/2/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW11	7/2/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW12	7/2/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW13	7/2/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW15	7/2/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW20	7/2/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW21	7/2/96	4.4	5	ND	ug/L
Cadmium, Dissolved	MW01A	7/22/94	3	5	ND	ug/L
Cadmium, Dissolved	MW02A	7/22/94	3	5	ND	ug/L
Cadmium, Dissolved	MW03	7/22/94	3	5	ND	ug/L
Cadmium, Dissolved	MW05	7/22/94	3	5	ND	ug/L
Cadmium, Dissolved	MW06	7/22/94	3	5	ND	ug/L
Cadmium, Dissolved	MW05A	5/12/94	2.7	5	J	ug/L
Cadmium, Dissolved	MW15	4/26/94	1.7	5	ND	ug/L
Cadmium, Dissolved	MW01A	4/25/94	8.5	25	ND	ug/L
Cadmium, Dissolved	MW02A	4/25/94	19.4	25	J	ug/L
Cadmium, Dissolved	MW03	4/25/94	1.7	5	ND	ug/L
Cadmium, Dissolved	MW05	4/25/94	11.4	25	J	ug/L
Cadmium, Dissolved	MW06	4/25/94	22	25	J	ug/L
Cadmium, Dissolved	MW01A	1/31/94	1.7	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Cadmium, Dissolved	MW02A	1/31/94	2	5	J	ug/L
Cadmium, Dissolved	MW03	1/31/94	1.7	5	ND	ug/L
Cadmium, Dissolved	MW05	1/31/94	2.9	5	J	ug/L
Cadmium, Dissolved	MW06	1/31/94	4.5	5	J	ug/L
Cadmium, Dissolved	MW01A	1/23/86	10	10	ND	ug/L
Cadmium, Dissolved	MW02A	1/23/86	10	10	ND	ug/L
Cadmium, Dissolved	MW03	1/23/86	10	10	ND	ug/L
Cadmium, Dissolved	MW05	1/23/86	10	10	ND	ug/L
Cadmium, Dissolved	MW06	1/23/86	10	10	ND	ug/L
Cadmium, Dissolved	MW01A	1/28/85	10	10	ND	ug/L
Cadmium, Dissolved	MW02A	1/28/85	10	10	ND	ug/L
Cadmium, Dissolved	MW03	1/28/85	10	10	ND	ug/L
Cadmium, Dissolved	MW05	1/28/85	10	10	ND	ug/L
Cadmium, Dissolved	MW06	1/28/85	10	10	ND	ug/L
Cadmium, Total	MW-02C	8/2/06	5	5	ND	ug/L
Cadmium, Total	MW-05A	8/2/06	5	5	ND	ug/L
Cadmium, Total	MW-11	8/2/06	5	5	ND	ug/L
Cadmium, Total	MW-12	8/2/06	5	5	ND	ug/L
Cadmium, Total	MW-13	8/2/06	5	5	ND	ug/L
Cadmium, Total	MW-15	8/2/06	5	5	ND	ug/L
Cadmium, Total	MW-20	8/2/06	5	5	ND	ug/L
Cadmium, Total	MW-21	8/2/06	5	5	ND	ug/L
Cadmium, Total	DUP-01	4/19/06	5	5	ND	ug/L
Cadmium, Total	FB-01	4/19/06	5	5	ND	ug/L
Cadmium, Total	MW-29A	4/19/06	5	5	ND	ug/L
Cadmium, Total	MW-32	4/19/06	5	5	ND	ug/L
Cadmium, Total	PZ-26	4/19/06	5	5	ND	ug/L
Cadmium, Total	SW001	3/20/06	5	5	ND	ug/L
Cadmium, Total	DUP-01	11/3/05	5	5	ND	ug/L
Cadmium, Total	FB-01	11/3/05	5	5	ND	ug/L
Cadmium, Total	MW-29A	11/3/05	5	5	ND	ug/L
Cadmium, Total	MW-32	11/3/05	5	5	ND	ug/L
Cadmium, Total	PZ-26	11/3/05	5	5	ND	ug/L
Cadmium, Total	MW01A	7/22/94	3	5	ND	ug/L
Cadmium, Total	MW02A	7/22/94	3	5	ND	ug/L
Cadmium, Total	MW03	7/22/94	3	5	ND	ug/L
Cadmium, Total	MW05	7/22/94	3	5	ND	ug/L
Cadmium, Total	MW06	7/22/94	3	5	ND	ug/L
Cadmium, Total	MW05A	5/12/94	1.7	5	ND	ug/L
Cadmium, Total	MW15	4/26/94	1.7	5	ND	ug/L
Cadmium, Total	MW01A	4/25/94	1.7	5	ND	ug/L
Cadmium, Total	MW02A	4/25/94	1.7	5	ND	ug/L
Cadmium, Total	MW03	4/25/94	1.7	5	ND	ug/L
Cadmium, Total	MW05	4/25/94	1.7	5	ND	ug/L
Cadmium, Total	MW06	4/25/94	1.7	5	ND	ug/L
Cadmium, Total	MW01A	1/31/94	3.2	5	J	ug/L
Cadmium, Total	MW02A	1/31/94	3.2	5	J	ug/L
Cadmium, Total	MW03	1/31/94	1.7	5	ND	ug/L
Cadmium, Total	MW05	1/31/94	1.7	5	J	ug/L
Cadmium, Total	MW06	1/31/94	2.4	5	J	ug/L
Cadmium, Total	MW01A	10/18/93	1.7	5	ND	ug/L
Cadmium, Total	MW02A	10/18/93	1.7	5	ND	ug/L
Cadmium, Total	MW03	10/18/93	1.7	5	ND	ug/L
Cadmium, Total	MW05	10/18/93	1.7	5	ND	ug/L
Cadmium, Total	MW06	10/18/93	8.5	25	ND	ug/L
Cadmium, Total	MW03	7/27/93	1.7	5	ND	ug/L
Cadmium, Total	MW06	7/27/93	2.8	5	J	ug/L
Cadmium, Total	MW01A	7/26/93	4.5	5	J	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Cadmium, Total	MW02A	7/26/93	3.2	5	J	ug/L
Cadmium, Total	MW05	7/26/93	3.5	5	J	ug/L
Calcium, Dissolved	PZ-32	7/28/06	340000	5000		ug/L
Calcium, Dissolved	MW-02C	7/20/06	650000	5000		ug/L
Calcium, Dissolved	MW-05A	7/20/06	550000	5000		ug/L
Calcium, Dissolved	MW-11	7/20/06	640000	5000		ug/L
Calcium, Dissolved	MW-12	7/20/06	610000	5000		ug/L
Calcium, Dissolved	MW-13	7/20/06	580000	5000		ug/L
Calcium, Dissolved	MW-15	7/20/06	550000	5000		ug/L
Calcium, Dissolved	MW-20	7/20/06	660000	5000		ug/L
Calcium, Dissolved	MW-21	7/20/06	610000	5000		ug/L
Calcium, Dissolved	PZ-33	7/20/06	430000	5000		ug/L
Calcium, Dissolved	MW-10	5/12/06	440000	5000		ug/L
Calcium, Dissolved	PZ-32	5/12/06	200000	5000		ug/L
Calcium, Dissolved	MW-02C	1/19/06	680000	5000		ug/L
Calcium, Dissolved	MW-05A	1/19/06	520000	5000		ug/L
Calcium, Dissolved	MW-11	1/19/06	620000	5000		ug/L
Calcium, Dissolved	MW-12	1/19/06	580000	5000		ug/L
Calcium, Dissolved	MW-13	1/19/06	540000	5000		ug/L
Calcium, Dissolved	MW-15	1/19/06	470000	5000		ug/L
Calcium, Dissolved	MW-20	1/19/06	620000	5000		ug/L
Calcium, Dissolved	MW-21	1/19/06	550000	5000		ug/L
Calcium, Dissolved	PZ-33	1/19/06	400000	5000		ug/L
Calcium, Dissolved	FB-01	11/17/05	5000	5000	ND	ug/L
Calcium, Dissolved	PZ-33	11/17/05	390000	5000		ug/L
Calcium, Dissolved	PZ-29	8/26/05	190000	5000		ug/L
Calcium, Dissolved	PZ-33	8/26/05	410000	5000		ug/L
Calcium, Dissolved	MW-02C	8/18/05	590000	5000		ug/L
Calcium, Dissolved	MW-05A	8/18/05	540000	5000		ug/L
Calcium, Dissolved	MW-11	8/18/05	620000	5000		ug/L
Calcium, Dissolved	MW-12	8/18/05	500000	5000		ug/L
Calcium, Dissolved	MW-13	8/18/05	580000	5000		ug/L
Calcium, Dissolved	MW-15	8/18/05	520000	5000		ug/L
Calcium, Dissolved	MW-20	8/18/05	650000	5000		ug/L
Calcium, Dissolved	MW-21	8/18/05	580000	5000		ug/L
Calcium, Dissolved	PZ-29	3/23/05	150000	5000		ug/L
Calcium, Dissolved	PZ-33	3/23/05	410000	5000		ug/L
Calcium, Dissolved	MW02C	3/17/05	430000	5000		ug/L
Calcium, Dissolved	MW05A	3/17/05	550000	5000		ug/L
Calcium, Dissolved	MW11	3/17/05	620000	5000		ug/L
Calcium, Dissolved	MW12	3/17/05	560000	5000		ug/L
Calcium, Dissolved	MW13	3/17/05	580000	5000		ug/L
Calcium, Dissolved	MW15	3/17/05	540000	5000		ug/L
Calcium, Dissolved	MW20	3/17/05	660000	5000		ug/L
Calcium, Dissolved	MW21	3/17/05	580000	5000		ug/L
Calcium, Dissolved	MW02C	9/2/04	340000	5000		ug/L
Calcium, Dissolved	MW05A	9/2/04	520000	5000		ug/L
Calcium, Dissolved	MW11	9/2/04	590000	5000		ug/L
Calcium, Dissolved	MW12	9/2/04	450000	5000		ug/L
Calcium, Dissolved	MW13	9/2/04	520000	5000		ug/L
Calcium, Dissolved	MW15	9/2/04	510000	5000		ug/L
Calcium, Dissolved	MW21	9/2/04	550000	5000		ug/L
Calcium, Dissolved	PZ-29	5/26/04	160000	5000		ug/L
Calcium, Dissolved	PZ-33	5/26/04	390000	5000		ug/L
Calcium, Dissolved	PZ-29	4/2/04	270000	5000	J	ug/L
Calcium, Dissolved	PZ-33	4/2/04	260000	5000	J	ug/L
Calcium, Dissolved	MW11	3/26/04	550000	5000	J	ug/L
Calcium, Dissolved	MW21	3/26/04	580000	5000	J	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Calcium, Dissolved	MW13	3/26/04	520000	5000	J	ug/L
Calcium, Dissolved	MW02C	3/26/04	400000	5000	J	ug/L
Calcium, Dissolved	MW15	3/26/04	500000	5000	J	ug/L
Calcium, Dissolved	MW05A	3/26/04	500000	5000	J	ug/L
Calcium, Dissolved	MW12	3/26/04	530000	5000	J	ug/L
Calcium, Dissolved	MW20	3/26/04	600000	5000	J	ug/L
Calcium, Dissolved	PZ-33	12/30/03	360000	5000		ug/L
Calcium, Dissolved	PZ-33	10/1/03	330000	5000		ug/L
Calcium, Dissolved	PZ-30	10/1/03	420000	5000		ug/L
Calcium, Dissolved	MW11	9/24/03	570000	5000		ug/L
Calcium, Dissolved	MW21	9/24/03	540000	5000		ug/L
Calcium, Dissolved	MW13	9/24/03	540000	5000		ug/L
Calcium, Dissolved	MW15	9/24/03	500000	5000		ug/L
Calcium, Dissolved	MW02C	9/24/03	550000	5000		ug/L
Calcium, Dissolved	MW05A	9/24/03	520000	5000		ug/L
Calcium, Dissolved	MW12	9/24/03	490000	5000		ug/L
Calcium, Dissolved	MW20	9/24/03	630000	5000		ug/L
Calcium, Dissolved	MW02C	5/15/03	420000	5000		ug/L
Calcium, Dissolved	MW02C	3/20/03	200000	5000		ug/L
Calcium, Dissolved	MW12	3/20/03	480000	5000		ug/L
Calcium, Dissolved	MW11	3/20/03	620000	5000		ug/L
Calcium, Dissolved	MW15	3/20/03	530000	5000		ug/L
Calcium, Dissolved	MW13	3/20/03	580000	5000		ug/L
Calcium, Dissolved	MW20	3/20/03	680000	5000		ug/L
Calcium, Dissolved	MW21	3/20/03	530000	5000		ug/L
Calcium, Dissolved	MW05A	3/20/03	560000	5000		ug/L
Calcium, Dissolved	MW11	9/24/02	600000	5000		ug/L
Calcium, Dissolved	MW21	9/24/02	570000	5000		ug/L
Calcium, Dissolved	MW13	9/24/02	540000	5000		ug/L
Calcium, Dissolved	MW02C	9/24/02	780000	5000		ug/L
Calcium, Dissolved	MW15	9/24/02	510000	5000		ug/L
Calcium, Dissolved	MW05A	9/24/02	530000	5000		ug/L
Calcium, Dissolved	MW12	9/24/02	550000	5000		ug/L
Calcium, Dissolved	MW20	9/24/02	630000	5000		ug/L
Calcium, Dissolved	MW11	3/12/02	586000	5000		ug/L
Calcium, Dissolved	MW21	3/12/02	535000	5000		ug/L
Calcium, Dissolved	MW13	3/12/02	568000	5000		ug/L
Calcium, Dissolved	MW02C	3/12/02	707000	5000		ug/L
Calcium, Dissolved	MW15	3/12/02	509000	5000		ug/L
Calcium, Dissolved	MW05A	3/12/02	554000	5000		ug/L
Calcium, Dissolved	MW12	3/12/02	493000	5000		ug/L
Calcium, Dissolved	MW20	3/12/02	650000	5000		ug/L
Calcium, Dissolved	MW02C	1/9/02	760000	5000		ug/L
Calcium, Dissolved	MW11	9/25/01	579000	5000		ug/L
Calcium, Dissolved	MW21	9/25/01	543000	5000		ug/L
Calcium, Dissolved	MW13	9/25/01	544000	5000		ug/L
Calcium, Dissolved	MW02C	9/25/01	746000	5000		ug/L
Calcium, Dissolved	MW15	9/25/01	493000	5000		ug/L
Calcium, Dissolved	MW20	9/25/01	624000	5000		ug/L
Calcium, Dissolved	MW05A	9/25/01	532000	5000		ug/L
Calcium, Dissolved	MW12	9/25/01	490000	5000		ug/L
Calcium, Dissolved	MW02C	6/1/01	766000	200		ug/L
Calcium, Dissolved	MW11	3/14/01	503000	200		ug/L
Calcium, Dissolved	MW21	3/14/01	546000	200		ug/L
Calcium, Dissolved	MW13	3/14/01	551000	200		ug/L
Calcium, Dissolved	MW02C	3/14/01	676000	200		ug/L
Calcium, Dissolved	MW15	3/14/01	461000	200		ug/L
Calcium, Dissolved	MW05A	3/14/01	503000	200		ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Calcium, Dissolved	MW20	3/14/01	631000	200		ug/L
Calcium, Dissolved	MW12	3/14/01	408000	200		ug/L
Calcium, Dissolved	MW02C	12/6/00	615000	200		ug/L
Calcium, Dissolved	MW11	9/26/00	629000	200		ug/L
Calcium, Dissolved	MW12	9/26/00	581000	200		ug/L
Calcium, Dissolved	MW20	9/26/00	668000	200		ug/L
Calcium, Dissolved	MW02C	9/26/00	666000	200		ug/L
Calcium, Dissolved	MW13	9/26/00	577000	200		ug/L
Calcium, Dissolved	MW15	9/26/00	537000	200		ug/L
Calcium, Dissolved	MW05A	9/26/00	547000	200		ug/L
Calcium, Dissolved	MW21	9/26/00	567000	200		ug/L
Calcium, Dissolved	MW11	3/21/00	588000	200		ug/L
Calcium, Dissolved	MW21	3/21/00	566000	200		ug/L
Calcium, Dissolved	MW13	3/21/00	562000	200		ug/L
Calcium, Dissolved	MW02B	3/21/00	779000	200		ug/L
Calcium, Dissolved	MW20	3/21/00	643000	200		ug/L
Calcium, Dissolved	MW15	3/21/00	523000	200		ug/L
Calcium, Dissolved	MW05A	3/21/00	536000	200		ug/L
Calcium, Dissolved	MW12	3/21/00	576000	200		ug/L
Calcium, Dissolved	MW13	9/21/99	563000	200		ug/L
Calcium, Dissolved	MW15	9/21/99	523000	200		ug/L
Calcium, Dissolved	MW05A	9/21/99	552000	200		ug/L
Calcium, Dissolved	MW21	9/21/99	577000	200		ug/L
Calcium, Dissolved	MW11	9/21/99	619000	200		ug/L
Calcium, Dissolved	MW12	9/21/99	561000	200		ug/L
Calcium, Dissolved	MW20	9/21/99	655000	200		ug/L
Calcium, Dissolved	MW02B	9/21/99	769000	200		ug/L
Calcium, Dissolved	MW13	3/17/99	467000	200		ug/L
Calcium, Dissolved	MW05A	3/17/99	509000	200		ug/L
Calcium, Dissolved	MW15	3/16/99	516000	200		ug/L
Calcium, Dissolved	MW21	3/16/99	559000	200		ug/L
Calcium, Dissolved	MW12	3/16/99	499000	200		ug/L
Calcium, Dissolved	MW20	3/16/99	655000	200		ug/L
Calcium, Dissolved	MW02B	3/15/99	815000	400		ug/L
Calcium, Dissolved	MW11	3/15/99	617000	200		ug/L
Calcium, Dissolved	MW02B	10/15/98	858000	2000		ug/L
Calcium, Dissolved	MW05A	10/15/98	648000	2000		ug/L
Calcium, Dissolved	MW11	10/15/98	716000	2000		ug/L
Calcium, Dissolved	MW12	10/15/98	564000	2000		ug/L
Calcium, Dissolved	MW13	10/15/98	612000	2000		ug/L
Calcium, Dissolved	MW15	10/15/98	593000	2000		ug/L
Calcium, Dissolved	MW20	10/15/98	704000	2000		ug/L
Calcium, Dissolved	MW21	10/15/98	673000	2000		ug/L
Calcium, Dissolved	MW02B	3/12/98	888000	2000		ug/L
Calcium, Dissolved	MW05A	3/12/98	610000	2000		ug/L
Calcium, Dissolved	MW11	3/12/98	699000	2000		ug/L
Calcium, Dissolved	MW12	3/12/98	503000	2000		ug/L
Calcium, Dissolved	MW13	3/12/98	590000	2000		ug/L
Calcium, Dissolved	MW15	3/12/98	499000	2000		ug/L
Calcium, Dissolved	MW20	3/12/98	678000	2000		ug/L
Calcium, Dissolved	MW21	3/12/98	656000	2000		ug/L
Calcium, Dissolved	MW02B	12/19/97	861000	2000		ug/L
Calcium, Dissolved	MW05A	12/19/97	601000	2000		ug/L
Calcium, Dissolved	MW11	12/19/97	753000	2000		ug/L
Calcium, Dissolved	MW12	12/19/97	671000	2000		ug/L
Calcium, Dissolved	MW13	12/19/97	597000	2000		ug/L
Calcium, Dissolved	MW15	12/19/97	593000	2000		ug/L
Calcium, Dissolved	MW20	12/19/97	722000	2000		ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Calcium, Dissolved	MW21	12/19/97	610000	2000		ug/L
Calcium, Dissolved	MW05A	9/11/97	560000	1000		ug/L
Calcium, Dissolved	MW11	9/11/97	635000	1000		ug/L
Calcium, Dissolved	MW21	9/11/97	601000	1000		ug/L
Calcium, Dissolved	MW02B	9/10/97	856000	2000		ug/L
Calcium, Dissolved	MW12	9/10/97	662000	2000		ug/L
Calcium, Dissolved	MW13	9/10/97	639000	2000		ug/L
Calcium, Dissolved	MW15	9/10/97	592000	2000		ug/L
Calcium, Dissolved	MW20	9/10/97	752000	2000		ug/L
Calcium, Dissolved	MW02B	6/27/97	848000	1000		ug/L
Calcium, Dissolved	MW05A	6/27/97	588000	1000		ug/L
Calcium, Dissolved	MW11	6/27/97	609000	1000		ug/L
Calcium, Dissolved	MW12	6/27/97	626000	1000		ug/L
Calcium, Dissolved	MW13	6/27/97	578000	1000		ug/L
Calcium, Dissolved	MW15	6/27/97	522000	1000		ug/L
Calcium, Dissolved	MW20	6/27/97	702000	1000		ug/L
Calcium, Dissolved	MW21	6/27/97	596000	1000		ug/L
Calcium, Dissolved	MW02B	3/12/97	749000	765		ug/L
Calcium, Dissolved	MW05A	3/12/97	574000	765		ug/L
Calcium, Dissolved	MW11	3/12/97	591000	765		ug/L
Calcium, Dissolved	MW12	3/12/97	511000	765		ug/L
Calcium, Dissolved	MW13	3/12/97	515000	765		ug/L
Calcium, Dissolved	MW15	3/12/97	544000	765		ug/L
Calcium, Dissolved	MW20	3/12/97	654000	765		ug/L
Calcium, Dissolved	MW21	3/12/97	541000	765		ug/L
Calcium, Dissolved	MW02B	12/4/96	792000	765		ug/L
Calcium, Dissolved	MW05A	12/4/96	569000	765		ug/L
Calcium, Dissolved	MW11	12/4/96	654000	765		ug/L
Calcium, Dissolved	MW12	12/4/96	596000	765		ug/L
Calcium, Dissolved	MW13	12/4/96	539000	765		ug/L
Calcium, Dissolved	MW15	12/4/96	542000	765		ug/L
Calcium, Dissolved	MW20	12/4/96	486000	765		ug/L
Calcium, Dissolved	MW21	12/4/96	538000	765		ug/L
Calcium, Dissolved	MW02B	9/11/96	795000	765		ug/L
Calcium, Dissolved	MW05A	9/11/96	551000	765		ug/L
Calcium, Dissolved	MW11	9/11/96	602000	765		ug/L
Calcium, Dissolved	MW12	9/11/96	559000	765		ug/L
Calcium, Dissolved	MW13	9/11/96	591000	765		ug/L
Calcium, Dissolved	MW15	9/11/96	568000	765		ug/L
Calcium, Dissolved	MW20	9/11/96	636000	765		ug/L
Calcium, Dissolved	MW21	9/11/96	537000	765		ug/L
Calcium, Dissolved	MW02B	7/2/96	848000	765		ug/L
Calcium, Dissolved	MW05A	7/2/96	586000	765		ug/L
Calcium, Dissolved	MW11	7/2/96	597000	765		ug/L
Calcium, Dissolved	MW12	7/2/96	596000	765		ug/L
Calcium, Dissolved	MW13	7/2/96	615000	765		ug/L
Calcium, Dissolved	MW15	7/2/96	560000	765		ug/L
Calcium, Dissolved	MW20	7/2/96	665000	765		ug/L
Calcium, Dissolved	MW21	7/2/96	585000	765		ug/L
Calcium, Dissolved	MW01A	9/12/95	829000	765		ug/L
Calcium, Dissolved	MW02A	9/12/95	763000	765		ug/L
Calcium, Dissolved	MW03	9/12/95	352000	765		ug/L
Calcium, Dissolved	MW06	9/12/95	563000	765		ug/L
Calcium, Dissolved	MW01A	3/20/95	811000	580		ug/L
Calcium, Dissolved	MW02A	3/20/95	793000	580		ug/L
Calcium, Dissolved	MW03	3/20/95	350000	580		ug/L
Calcium, Dissolved	MW06	3/20/95	557000	580		ug/L
Calcium, Dissolved	MW01A	7/22/94	791000	580		ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Calcium, Dissolved	MW02A	7/22/94	736000	580		ug/L
Calcium, Dissolved	MW03	7/22/94	347000	153		ug/L
Calcium, Dissolved	MW05	7/22/94	562000	580		ug/L
Calcium, Dissolved	MW06	7/22/94	553000	580		ug/L
Calcium, Dissolved	MW01A	4/25/94	757000	765		ug/L
Calcium, Dissolved	MW02A	4/25/94	701000	765		ug/L
Calcium, Dissolved	MW03	4/25/94	340000	153		ug/L
Calcium, Dissolved	MW05	4/25/94	531000	765		ug/L
Calcium, Dissolved	MW06	4/25/94	510000	765		ug/L
Calcium, Dissolved	MW01A	1/31/94	848000	765		ug/L
Calcium, Dissolved	MW02A	1/31/94	766000	765		ug/L
Calcium, Dissolved	MW03	1/31/94	351000	153		ug/L
Calcium, Dissolved	MW05	1/31/94	552000	765		ug/L
Calcium, Dissolved	MW06	1/31/94	555000	765		ug/L
Calcium, Dissolved	MW01A	10/18/93	786000	765		ug/L
Calcium, Dissolved	MW02A	10/18/93	689000	765		ug/L
Calcium, Dissolved	MW03	10/18/93	345000	153		ug/L
Calcium, Dissolved	MW05	10/18/93	488000	153		ug/L
Calcium, Dissolved	MW06	10/18/93	469000	153		ug/L
Calcium, Dissolved	MW03	7/27/93	387000	153		ug/L
Calcium, Dissolved	MW06	7/27/93	400000	153		ug/L
Calcium, Dissolved	MW01A	7/26/93	810000	765		ug/L
Calcium, Dissolved	MW02A	7/26/93	754000	765		ug/L
Calcium, Dissolved	MW05	7/26/93	439000	765		ug/L
Calcium, Dissolved	MW01A	5/7/93	836000	765		ug/L
Calcium, Dissolved	MW02A	5/7/93	796000	765		ug/L
Calcium, Dissolved	MW03	5/7/93	371000	153		ug/L
Calcium, Dissolved	MW05	5/7/93	569000	765		ug/L
Calcium, Dissolved	MW06	5/7/93	523000	765		ug/L
Calcium, Dissolved	MW03	3/4/93	341000	765		ug/L
Calcium, Dissolved	MW01A	3/3/93	870000	3060		ug/L
Calcium, Dissolved	MW02A	3/3/93	790000	3060		ug/L
Calcium, Dissolved	MW05	3/3/93	545000	153		ug/L
Calcium, Dissolved	MW06	3/3/93	516000	153		ug/L
Calcium, Dissolved	MW01A	11/23/92	816000	30600		ug/L
Calcium, Dissolved	MW02A	11/23/92	705000	30600		ug/L
Calcium, Dissolved	MW03	11/23/92	353000	5000		ug/L
Calcium, Dissolved	MW05	11/23/92	503000	5000		ug/L
Calcium, Dissolved	MW06	11/23/92	499000	5000		ug/L
Calcium, Dissolved	MW01A	8/13/92	887000	15300		ug/L
Calcium, Dissolved	MW02A	8/13/92	679000	15300		ug/L
Calcium, Dissolved	MW03	8/13/92	415000	5000		ug/L
Calcium, Dissolved	MW05	8/13/92	582000	15300		ug/L
Calcium, Dissolved	MW06	8/13/92	564000	5000		ug/L
Calcium, Dissolved	MW03	6/4/92	373000	5000		ug/L
Calcium, Dissolved	MW04	6/4/92	1140000	30600		ug/L
Calcium, Dissolved	MW05	6/3/92	590000	15300		ug/L
Calcium, Dissolved	MW06	6/3/92	581000	15300		ug/L
Calcium, Dissolved	MW01A	5/21/92	816000	5000		ug/L
Calcium, Dissolved	MW02A	5/21/92	644000	7650		ug/L
Calcium, Dissolved	MW01A	2/11/92	730000	15300		ug/L
Calcium, Dissolved	MW02A	2/11/92	467000	5000		ug/L
Calcium, Dissolved	MW03	2/11/92	312000	5000		ug/L
Calcium, Dissolved	MW05	2/11/92	510000	5000		ug/L
Calcium, Dissolved	MW06	2/11/92	477000	5000		ug/L
Calcium, Dissolved	MW01A	10/11/91	804000	15300		ug/L
Calcium, Dissolved	MW02A	10/11/91	729000	15300		ug/L
Calcium, Dissolved	MW03	10/11/91	347000	5000		ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Calcium, Dissolved	MW05	10/11/91	560000	15300		ug/L
Calcium, Dissolved	MW06	10/11/91	556000	15300		ug/L
Calcium, Dissolved	MW03	8/27/91	456000	5000		ug/L
Calcium, Dissolved	MW05	8/27/91	666000	7650		ug/L
Calcium, Dissolved	MW06	8/27/91	742000	7650		ug/L
Calcium, Dissolved	MW01A	8/26/91	969000	7650		ug/L
Calcium, Dissolved	MW02A	8/26/91	944000	7650		ug/L
Calcium, Dissolved	MW01A	4/4/91	787000	6400		ug/L
Calcium, Dissolved	MW02A	4/4/91	752000	6400		ug/L
Calcium, Dissolved	MW03	4/4/91	407000	5000		ug/L
Calcium, Dissolved	MW05	4/4/91	603000	5000		ug/L
Calcium, Dissolved	MW06	4/4/91	591000	6400		ug/L
CALCIUM, Dissolved/HARD	MW03	3/4/93	305	5		mg/L
CALCIUM, Dissolved/HARD	MW01A	3/3/93	870	14.4		mg/L
CALCIUM, Dissolved/HARD	MW02A	3/3/93	790	14.4		mg/L
CALCIUM, Dissolved/HARD	MW05	3/3/93	545	5		mg/L
CALCIUM, Dissolved/HARD	MW06	3/3/93	516	5		mg/L
Calcium, Total	MW-02C	8/2/06	800000	5000		ug/L
Calcium, Total	MW-05A	8/2/06	580000	5000		ug/L
Calcium, Total	MW-11	8/2/06	690000	5000		ug/L
Calcium, Total	MW-12	8/2/06	650000	5000		ug/L
Calcium, Total	MW-13	8/2/06	640000	5000		ug/L
Calcium, Total	MW-15	8/2/06	590000	5000		ug/L
Calcium, Total	MW-20	8/2/06	710000	5000		ug/L
Calcium, Total	MW-21	8/2/06	640000	5000		ug/L
Calcium, Total	MW01A	2/16/89	836000	200		ug/L
Calcium, Total	MW02A	2/16/89	762000	200		ug/L
Calcium, Total	MW03	2/15/89	395000	200		ug/L
Calcium, Total	MW05	2/15/89	593000	200		ug/L
Calcium, Total	MW06	2/15/89	641000	200		ug/L
Carbon Disulfide	PZ-32	7/28/06	5	5	ND	ug/L
Carbon Disulfide	MW-02C	7/20/06	5	5	ND	ug/L
Carbon Disulfide	MW-05A	7/20/06	5	5	ND	ug/L
Carbon Disulfide	MW-11	7/20/06	5	5	ND	ug/L
Carbon Disulfide	MW-12	7/20/06	5	5	ND	ug/L
Carbon Disulfide	MW-13	7/20/06	5	5	ND	ug/L
Carbon Disulfide	MW-15	7/20/06	5	5	ND	ug/L
Carbon Disulfide	MW-20	7/20/06	5	5	ND	ug/L
Carbon Disulfide	MW-21	7/20/06	5	5	ND	ug/L
Carbon Disulfide	PZ-33	7/20/06	5	5	ND	ug/L
Carbon Disulfide	MW-10	5/12/06	5	5	ND	ug/L
Carbon Disulfide	PZ-32	5/12/06	5	5	ND	ug/L
Carbon Disulfide	PZ-32	1/24/06	5	5	ND	ug/L
Carbon Disulfide	MW-02C	1/19/06	5	5	ND	ug/L
Carbon Disulfide	MW-05A	1/19/06	5	5	ND	ug/L
Carbon Disulfide	MW-11	1/19/06	5	5	ND	ug/L
Carbon Disulfide	MW-12	1/19/06	5	5	ND	ug/L
Carbon Disulfide	MW-13	1/19/06	5	5	ND	ug/L
Carbon Disulfide	MW-15	1/19/06	5	5	ND	ug/L
Carbon Disulfide	MW-20	1/19/06	5	5	ND	ug/L
Carbon Disulfide	MW-21	1/19/06	5	5	ND	ug/L
Carbon Disulfide	PZ-33	1/19/06	5	5	ND	ug/L
Carbon Disulfide	FB-01	11/17/05	5	5	ND	ug/L
Carbon Disulfide	PZ-30	11/17/05	5	5	ND	ug/L
Carbon Disulfide	PZ-33	11/17/05	5	5	ND	ug/L
Carbon Disulfide	TRIP BLANK	11/17/05	5	5	ND	ug/L
Carbon Disulfide	PZ-29	8/26/05	5	5	ND	ug/L
Carbon Disulfide	PZ-33	8/26/05	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Carbon Disulfide	MW-02C	8/18/05	5	5	ND	ug/L
Carbon Disulfide	MW-05A	8/18/05	5	5	ND	ug/L
Carbon Disulfide	MW-11	8/18/05	5	5	ND	ug/L
Carbon Disulfide	MW-12	8/18/05	5	5	ND	ug/L
Carbon Disulfide	MW-13	8/18/05	5	5	ND	ug/L
Carbon Disulfide	MW-15	8/18/05	5	5	ND	ug/L
Carbon Disulfide	MW-20	8/18/05	5	5	ND	ug/L
Carbon Disulfide	MW-21	8/18/05	5	5	ND	ug/L
Carbon disulfide	MW07	3/23/05	5	5	ND	ug/L
Carbon disulfide	MW33	3/23/05	5	5	ND	ug/L
Carbon disulfide	PZ-29	3/23/05	5	5	ND	ug/L
Carbon disulfide	PZ-30	3/23/05	5	5	ND	ug/L
Carbon disulfide	PZ-32	3/23/05	5	5	ND	ug/L
Carbon disulfide	PZ-33	3/23/05	5	5	ND	ug/L
Carbon disulfide	MW02C	3/17/05	5	5	ND	ug/L
Carbon disulfide	MW05A	3/17/05	5	5	ND	ug/L
Carbon disulfide	MW11	3/17/05	5	5	ND	ug/L
Carbon disulfide	MW12	3/17/05	5	5	ND	ug/L
Carbon disulfide	MW13	3/17/05	5	5	ND	ug/L
Carbon disulfide	MW15	3/17/05	5	5	ND	ug/L
Carbon disulfide	MW20	3/17/05	5	5	ND	ug/L
Carbon disulfide	MW21	3/17/05	5	5	ND	ug/L
Carbon disulfide	MW02C	9/2/04	5	5	ND	ug/L
Carbon disulfide	MW05A	9/2/04	5	5	ND	ug/L
Carbon disulfide	MW11	9/2/04	5	5	ND	ug/L
Carbon disulfide	MW12	9/2/04	5	5	ND	ug/L
Carbon disulfide	MW13	9/2/04	5	5	ND	ug/L
Carbon disulfide	MW15	9/2/04	5	5	ND	ug/L
Carbon disulfide	MW20	9/2/04	5	5	ND	ug/L
Carbon disulfide	MW21	9/2/04	5	5	ND	ug/L
Carbon disulfide	PZ-29	5/26/04	5	5	ND	ug/L
Carbon disulfide	PZ-33	5/26/04	5	5	ND	ug/L
Carbon disulfide	MW33	5/26/04	5	5	ND	ug/L
Carbon disulfide	PZ-30	5/26/04	5	5	ND	ug/L
Carbon disulfide	PZ-28	4/2/04	5	5	ND	ug/L
Carbon disulfide	PZ-29	4/2/04	5	5	ND	ug/L
Carbon disulfide	PZ-32	4/2/04	5	5	ND	ug/L
Carbon disulfide	PZ-33	4/2/04	5	5	ND	ug/L
Carbon disulfide	MW33	4/2/04	5	5	ND	ug/L
Carbon disulfide	PZ-30	4/2/04	5	5	ND	ug/L
Carbon disulfide	MW11	3/26/04	5	5	ND	ug/L
Carbon disulfide	MW21	3/26/04	5	5	ND	ug/L
Carbon disulfide	MW13	3/26/04	5	5	ND	ug/L
Carbon disulfide	MW02C	3/26/04	5	5	ND	ug/L
Carbon disulfide	MW15	3/26/04	5	5	ND	ug/L
Carbon disulfide	MW05A	3/26/04	5	5	ND	ug/L
Carbon disulfide	MW12	3/26/04	5	5	ND	ug/L
Carbon disulfide	MW20	3/26/04	5	5	ND	ug/L
Carbon disulfide	PZ-29	12/30/03	5	5	ND	ug/L
Carbon disulfide	PZ-33	12/30/03	5	5	ND	ug/L
Carbon disulfide	PZ-30	12/30/03	5	5	ND	ug/L
Carbon disulfide	PZ-27	12/30/03	5	5	ND	ug/L
Carbon disulfide	PZ-29	10/1/03	5	5	ND	ug/L
Carbon disulfide	PZ-33	10/1/03	5	5	ND	ug/L
Carbon disulfide	PZ-30	10/1/03	5	5	ND	ug/L
Carbon disulfide	MW33	10/1/03	5	5	ND	ug/L
Carbon disulfide	PZ-32	10/1/03	5	5	ND	ug/L
Carbon disulfide	PZ-27	10/1/03	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Carbon disulfide	MW11	9/24/03	5	5	ND	ug/L
Carbon disulfide	MW21	9/24/03	5	5	ND	ug/L
Carbon disulfide	MW13	9/24/03	5	5	ND	ug/L
Carbon disulfide	MW15	9/24/03	5	5	ND	ug/L
Carbon disulfide	MW02C	9/24/03	5	5	ND	ug/L
Carbon disulfide	MW05A	9/24/03	5	5	ND	ug/L
Carbon disulfide	MW12	9/24/03	5	5	ND	ug/L
Carbon disulfide	MW20	9/24/03	5	5	ND	ug/L
Carbon disulfide	MW33	7/25/03	5	5	ND	ug/L
Carbon disulfide	PZ-30	7/25/03	5	5	ND	ug/L
Carbon disulfide	MW02C	3/20/03	5	5	ND	ug/L
Carbon disulfide	MW12	3/20/03	5	5	ND	ug/L
Carbon disulfide	MW11	3/20/03	5	5	ND	ug/L
Carbon disulfide	MW15	3/20/03	5	5	ND	ug/L
Carbon disulfide	MW13	3/20/03	5	5	ND	ug/L
Carbon disulfide	MW20	3/20/03	5	5	ND	ug/L
Carbon disulfide	MW21	3/20/03	5	5	ND	ug/L
Carbon disulfide	MW05A	3/20/03	5	5	ND	ug/L
Carbon disulfide	MW11	9/24/02	5	5	ND	ug/L
Carbon disulfide	MW21	9/24/02	5	5	ND	ug/L
Carbon disulfide	MW13	9/24/02	5	5	ND	ug/L
Carbon disulfide	MW02C	9/24/02	5	5	ND	ug/L
Carbon disulfide	MW15	9/24/02	5	5	ND	ug/L
Carbon disulfide	MW05A	9/24/02	5	5	ND	ug/L
Carbon disulfide	MW12	9/24/02	5	5	ND	ug/L
Carbon disulfide	MW20	9/24/02	5	5	ND	ug/L
Carbon disulfide	MW11	3/12/02	5	5	ND	ug/L
Carbon disulfide	MW21	3/12/02	5	5	ND	ug/L
Carbon disulfide	MW13	3/12/02	5	5	ND	ug/L
Carbon disulfide	MW02C	3/12/02	5	5	ND	ug/L
Carbon disulfide	MW15	3/12/02	5	5	ND	ug/L
Carbon disulfide	MW05A	3/12/02	5	5	ND	ug/L
Carbon disulfide	MW12	3/12/02	5	5	ND	ug/L
Carbon disulfide	MW20	3/12/02	5	5	ND	ug/L
Carbon disulfide	MW02C	1/9/02	5	5	ND	ug/L
Carbon disulfide	MW11	9/25/01	5	5	ND	ug/L
Carbon disulfide	MW21	9/25/01	5	5	ND	ug/L
Carbon disulfide	MW13	9/25/01	5	5	ND	ug/L
Carbon disulfide	MW02C	9/25/01	5	5	ND	ug/L
Carbon disulfide	MW15	9/25/01	5	5	ND	ug/L
Carbon disulfide	MW20	9/25/01	5	5	ND	ug/L
Carbon disulfide	MW05A	9/25/01	5	5	ND	ug/L
Carbon disulfide	MW12	9/25/01	5	5	ND	ug/L
Carbon disulfide	MW02C	6/1/01	5	5	ND	ug/L
Carbon disulfide	MW11	3/14/01	5	5	ND	ug/L
Carbon disulfide	MW21	3/14/01	5	5	ND	ug/L
Carbon disulfide	MW13	3/14/01	5	5	ND	ug/L
Carbon disulfide	MW02C	3/14/01	5	5	ND	ug/L
Carbon disulfide	MW15	3/14/01	5	5	ND	ug/L
Carbon disulfide	MW05A	3/14/01	5	5	ND	ug/L
Carbon disulfide	MW20	3/14/01	5	5	ND	ug/L
Carbon disulfide	MW12	3/14/01	5	5	ND	ug/L
Carbon disulfide	MW02C	12/6/00	5	5	ND	ug/L
Carbon disulfide	MW11	9/26/00	5	5	ND	ug/L
Carbon disulfide	MW12	9/26/00	5	5	ND	ug/L
Carbon disulfide	MW20	9/26/00	5	5	ND	ug/L
Carbon disulfide	MW02C	9/26/00	5	5	ND	ug/L
Carbon disulfide	MW13	9/26/00	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Carbon disulfide	MW15	9/26/00	5	5	ND	ug/L
Carbon disulfide	MW05A	9/26/00	5	5	ND	ug/L
Carbon disulfide	MW21	9/26/00	5	5	ND	ug/L
Carbon disulfide	MW30	3/21/00	50	50	ND	ug/L
Carbon disulfide	MW11	3/21/00	5	5	ND	ug/L
Carbon disulfide	MW21	3/21/00	5	5	ND	ug/L
Carbon disulfide	MW13	3/21/00	5	5	ND	ug/L
Carbon disulfide	MW02B	3/21/00	5	5	ND	ug/L
Carbon disulfide	MW20	3/21/00	5	5	ND	ug/L
Carbon disulfide	MW15	3/21/00	5	5	ND	ug/L
Carbon disulfide	MW05A	3/21/00	5	5	ND	ug/L
Carbon disulfide	MW12	3/21/00	5	5	ND	ug/L
Carbon disulfide	MW29A	3/20/00	50	50	ND	ug/L
Carbon disulfide	PZ-26	3/16/00	50	50	ND	ug/L
Carbon disulfide	MW13	9/21/99	5	5	ND	ug/L
Carbon disulfide	MW15	9/21/99	5	5	ND	ug/L
Carbon disulfide	MW05A	9/21/99	5	5	ND	ug/L
Carbon disulfide	MW21	9/21/99	5	5	ND	ug/L
Carbon disulfide	MW11	9/21/99	5	5	ND	ug/L
Carbon disulfide	MW12	9/21/99	5	5	ND	ug/L
Carbon disulfide	MW20	9/21/99	5	5	ND	ug/L
Carbon disulfide	MW02B	9/21/99	5	5	ND	ug/L
Carbon disulfide	MW13	3/17/99	5	5	ND	ug/L
Carbon disulfide	MW05A	3/17/99	5	5	ND	ug/L
Carbon disulfide	MW15	3/16/99	5	5	ND	ug/L
Carbon disulfide	MW21	3/16/99	5	5	ND	ug/L
Carbon disulfide	MW12	3/16/99	5	5	ND	ug/L
Carbon disulfide	MW20	3/16/99	5	5	ND	ug/L
Carbon disulfide	MW02B	3/15/99	5	5	ND	ug/L
Carbon disulfide	MW11	3/15/99	5	5	ND	ug/L
Carbon disulfide	PZ-26	2/25/99	5	5	ND	ug/L
Carbon disulfide	MW06	2/25/99	5	5	ND	ug/L
Carbon disulfide	PZ-25	2/25/99	5	5	ND	ug/L
Carbon disulfide	MW03	2/25/99	5	5	ND	ug/L
Carbon disulfide	MW02B	10/15/98	0.2	5	ND	ug/L
Carbon disulfide	MW05A	10/15/98	0.2	5	ND	ug/L
Carbon disulfide	MW11	10/15/98	0.2	5	ND	ug/L
Carbon disulfide	MW12	10/15/98	0.2	5	ND	ug/L
Carbon disulfide	MW13	10/15/98	0.2	5	ND	ug/L
Carbon disulfide	MW15	10/15/98	0.2	5	ND	ug/L
Carbon disulfide	MW20	10/15/98	0.2	5	ND	ug/L
Carbon disulfide	MW21	10/15/98	0.2	5	ND	ug/L
Carbon disulfide	MW02B	3/12/98	0.2	5	ND	ug/L
Carbon disulfide	MW05A	3/12/98	0.2	5	ND	ug/L
Carbon disulfide	MW11	3/12/98	0.2	5	ND	ug/L
Carbon disulfide	MW12	3/12/98	0.2	5	ND	ug/L
Carbon disulfide	MW13	3/12/98	0.2	5	ND	ug/L
Carbon disulfide	MW15	3/12/98	0.2	5	ND	ug/L
Carbon disulfide	MW20	3/12/98	0.2	5	ND	ug/L
Carbon disulfide	MW21	3/12/98	0.2	5	ND	ug/L
Carbon disulfide	MW02B	12/19/97	0.2	5	ND	ug/L
Carbon disulfide	MW05A	12/19/97	0.2	5	ND	ug/L
Carbon disulfide	MW11	12/19/97	0.2	5	ND	ug/L
Carbon disulfide	MW12	12/19/97	0.2	5	ND	ug/L
Carbon disulfide	MW13	12/19/97	0.2	5	ND	ug/L
Carbon disulfide	MW15	12/19/97	0.2	5	ND	ug/L
Carbon disulfide	MW20	12/19/97	0.2	5	ND	ug/L
Carbon disulfide	MW21	12/19/97	0.2	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Carbon disulfide	MW05A	9/11/97	0.2	5	ND	ug/L
Carbon disulfide	MW11	9/11/97	0.2	5	ND	ug/L
Carbon disulfide	MW21	9/11/97	0.2	5	ND	ug/L
Carbon disulfide	MW02B	9/10/97	0.2	5	ND	ug/L
Carbon disulfide	MW12	9/10/97	0.2	5	ND	ug/L
Carbon disulfide	MW13	9/10/97	0.2	5	ND	ug/L
Carbon disulfide	MW15	9/10/97	0.2	5	ND	ug/L
Carbon disulfide	MW20	9/10/97	0.2	5	ND	ug/L
Carbon disulfide	MW02B	6/27/97	0.2	5	ND	ug/L
Carbon disulfide	MW05A	6/27/97	0.2	5	ND	ug/L
Carbon disulfide	MW11	6/27/97	0.2	5	ND	ug/L
Carbon disulfide	MW12	6/27/97	0.2	5	ND	ug/L
Carbon disulfide	MW13	6/27/97	0.2	5	ND	ug/L
Carbon disulfide	MW15	6/27/97	0.2	5	ND	ug/L
Carbon disulfide	MW20	6/27/97	0.2	5	ND	ug/L
Carbon disulfide	MW21	6/27/97	0.2	5	ND	ug/L
Carbon disulfide	MW02B	3/12/97	0.2	5	ND	ug/L
Carbon disulfide	MW05A	3/12/97	0.2	5	ND	ug/L
Carbon disulfide	MW11	3/12/97	0.2	5	ND	ug/L
Carbon disulfide	MW12	3/12/97	0.2	5	ND	ug/L
Carbon disulfide	MW13	3/12/97	0.2	5	ND	ug/L
Carbon disulfide	MW15	3/12/97	0.2	5	ND	ug/L
Carbon disulfide	MW20	3/12/97	0.2	5	ND	ug/L
Carbon disulfide	MW21	3/12/97	0.4	5	J	ug/L
Carbon disulfide	MW02B	12/4/96	0.2	5	ND	ug/L
Carbon disulfide	MW05A	12/4/96	0.2	5	ND	ug/L
Carbon disulfide	MW11	12/4/96	0.2	5	ND	ug/L
Carbon disulfide	MW12	12/4/96	0.2	5	ND	ug/L
Carbon disulfide	MW13	12/4/96	0.2	5	ND	ug/L
Carbon disulfide	MW15	12/4/96	0.2	5	ND	ug/L
Carbon disulfide	MW20	12/4/96	0.2	5	ND	ug/L
Carbon disulfide	MW21	12/4/96	0.5	5	J	ug/L
Carbon disulfide	MW02B	9/11/96	0.2	5	ND	ug/L
Carbon disulfide	MW05A	9/11/96	0.2	5	ND	ug/L
Carbon disulfide	MW11	9/11/96	0.2	5	ND	ug/L
Carbon disulfide	MW12	9/11/96	0.2	5	ND	ug/L
Carbon disulfide	MW13	9/11/96	0.2	5	ND	ug/L
Carbon disulfide	MW15	9/11/96	0.2	5	ND	ug/L
Carbon disulfide	MW20	9/11/96	0.2	5	ND	ug/L
Carbon disulfide	MW21	9/11/96	0.2	5	ND	ug/L
Carbon disulfide	MW02B	7/2/96	0.2	5	ND	ug/L
Carbon disulfide	MW05A	7/2/96	0.2	5	ND	ug/L
Carbon disulfide	MW11	7/2/96	0.2	5	ND	ug/L
Carbon disulfide	MW12	7/2/96	0.2	5	ND	ug/L
Carbon disulfide	MW13	7/2/96	0.2	5	ND	ug/L
Carbon disulfide	MW15	7/2/96	0.2	5	ND	ug/L
Carbon disulfide	MW20	7/2/96	0.4	5	J	ug/L
Carbon disulfide	MW21	7/2/96	0.2	5	ND	ug/L
Carbon disulfide	MW01A	7/22/94	0.2	5	ND	ug/L
Carbon disulfide	MW02A	7/22/94	0.2	5	ND	ug/L
Carbon disulfide	MW03	7/22/94	0.2	5	ND	ug/L
Carbon disulfide	MW05	7/22/94	0.2	5	ND	ug/L
Carbon disulfide	MW06	7/22/94	0.2	5	ND	ug/L
Carbon disulfide	MW05A	5/12/94	2	5	ND	ug/L
Carbon disulfide	MW15	4/26/94	2	5	ND	ug/L
Carbon disulfide	MW01A	4/25/94	2	5	ND	ug/L
Carbon disulfide	MW02A	4/25/94	2	5	ND	ug/L
Carbon disulfide	MW03	4/25/94	2	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Carbon disulfide	MW05	4/25/94	2	5	ND	ug/L
Carbon disulfide	MW06	4/25/94	2	5	ND	ug/L
Carbon disulfide	MW01A	1/31/94	2	5	ND	ug/L
Carbon disulfide	MW02A	1/31/94	2	5	ND	ug/L
Carbon disulfide	MW03	1/31/94	2	5	ND	ug/L
Carbon disulfide	MW05	1/31/94	2	5	ND	ug/L
Carbon disulfide	MW06	1/31/94	2	5	ND	ug/L
Carbon disulfide	MW01A	10/18/93	2	5	ND	ug/L
Carbon disulfide	MW02A	10/18/93	2	5	ND	ug/L
Carbon disulfide	MW03	10/18/93	2	5	ND	ug/L
Carbon disulfide	MW05	10/18/93	2	5	ND	ug/L
Carbon disulfide	MW06	10/18/93	2	5	ND	ug/L
Carbon disulfide	MW03	7/27/93	2	5	ND	ug/L
Carbon disulfide	MW06	7/27/93	2	5	ND	ug/L
Carbon disulfide	MW01A	7/26/93	2	5	ND	ug/L
Carbon disulfide	MW02A	7/26/93	2	5	ND	ug/L
Carbon disulfide	MW05	7/26/93	2	5	ND	ug/L
Carbon Tetrachloride	PZ-32	7/28/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-02C	7/20/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-05A	7/20/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-11	7/20/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-12	7/20/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-13	7/20/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-15	7/20/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-20	7/20/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-21	7/20/06	5	5	ND	ug/L
Carbon Tetrachloride	PZ-33	7/20/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-10	5/12/06	5	5	ND	ug/L
Carbon Tetrachloride	PZ-32	5/12/06	5	5	ND	ug/L
Carbon Tetrachloride	PZ-32	1/24/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-02C	1/19/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-05A	1/19/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-11	1/19/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-12	1/19/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-13	1/19/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-15	1/19/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-20	1/19/06	5	5	ND	ug/L
Carbon Tetrachloride	MW-21	1/19/06	5	5	ND	ug/L
Carbon Tetrachloride	PZ-33	1/19/06	5	5	ND	ug/L
Carbon Tetrachloride	FB-01	11/17/05	5	5	ND	ug/L
Carbon Tetrachloride	PZ-30	11/17/05	5	5	ND	ug/L
Carbon Tetrachloride	PZ-33	11/17/05	5	5	ND	ug/L
Carbon Tetrachloride	TRIP BLANK	11/17/05	5	5	ND	ug/L
Carbon Tetrachloride	PZ-29	8/26/05	5	5	ND	ug/L
Carbon Tetrachloride	PZ-33	8/26/05	5	5	ND	ug/L
Carbon Tetrachloride	MW-02C	8/18/05	5	5	ND	ug/L
Carbon Tetrachloride	MW-05A	8/18/05	5	5	ND	ug/L
Carbon Tetrachloride	MW-11	8/18/05	5	5	ND	ug/L
Carbon Tetrachloride	MW-12	8/18/05	5	5	ND	ug/L
Carbon Tetrachloride	MW-13	8/18/05	5	5	ND	ug/L
Carbon Tetrachloride	MW-15	8/18/05	5	5	ND	ug/L
Carbon Tetrachloride	MW-20	8/18/05	5	5	ND	ug/L
Carbon Tetrachloride	MW-21	8/18/05	5	5	ND	ug/L
Carbon tetrachloride	MW07	3/23/05	5	5	ND	ug/L
Carbon tetrachloride	MW33	3/23/05	5	5	ND	ug/L
Carbon tetrachloride	PZ-29	3/23/05	5	5	ND	ug/L
Carbon tetrachloride	PZ-30	3/23/05	5	5	ND	ug/L
Carbon tetrachloride	PZ-32	3/23/05	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Carbon tetrachloride	PZ-33	3/23/05	5	5	ND	ug/L
Carbon tetrachloride	MW02C	3/17/05	5	5	ND	ug/L
Carbon tetrachloride	MW05A	3/17/05	5	5	ND	ug/L
Carbon tetrachloride	MW11	3/17/05	5	5	ND	ug/L
Carbon tetrachloride	MW12	3/17/05	5	5	ND	ug/L
Carbon tetrachloride	MW13	3/17/05	5	5	ND	ug/L
Carbon tetrachloride	MW15	3/17/05	5	5	ND	ug/L
Carbon tetrachloride	MW20	3/17/05	5	5	ND	ug/L
Carbon tetrachloride	MW21	3/17/05	5	5	ND	ug/L
Carbon tetrachloride	MW02C	9/2/04	5	5	ND	ug/L
Carbon tetrachloride	MW05A	9/2/04	5	5	ND	ug/L
Carbon tetrachloride	MW11	9/2/04	5	5	ND	ug/L
Carbon tetrachloride	MW12	9/2/04	5	5	ND	ug/L
Carbon tetrachloride	MW13	9/2/04	5	5	ND	ug/L
Carbon tetrachloride	MW15	9/2/04	5	5	ND	ug/L
Carbon tetrachloride	MW20	9/2/04	5	5	ND	ug/L
Carbon tetrachloride	MW21	9/2/04	5	5	ND	ug/L
Carbon tetrachloride	PZ-29	5/26/04	5	5	ND	ug/L
Carbon tetrachloride	PZ-33	5/26/04	5	5	ND	ug/L
Carbon tetrachloride	MW33	5/26/04	5	5	ND	ug/L
Carbon tetrachloride	PZ-30	5/26/04	5	5	ND	ug/L
Carbon tetrachloride	PZ-28	4/2/04	5	5	ND	ug/L
Carbon tetrachloride	PZ-29	4/2/04	5	5	ND	ug/L
Carbon tetrachloride	PZ-32	4/2/04	5	5	ND	ug/L
Carbon tetrachloride	PZ-33	4/2/04	5	5	ND	ug/L
Carbon tetrachloride	MW33	4/2/04	5	5	ND	ug/L
Carbon tetrachloride	PZ-30	4/2/04	5	5	ND	ug/L
Carbon tetrachloride	MW11	3/26/04	5	5	ND	ug/L
Carbon tetrachloride	MW21	3/26/04	5	5	ND	ug/L
Carbon tetrachloride	MW13	3/26/04	5	5	ND	ug/L
Carbon tetrachloride	MW02C	3/26/04	5	5	ND	ug/L
Carbon tetrachloride	MW15	3/26/04	5	5	ND	ug/L
Carbon tetrachloride	MW05A	3/26/04	5	5	ND	ug/L
Carbon tetrachloride	MW12	3/26/04	5	5	ND	ug/L
Carbon tetrachloride	MW20	3/26/04	5	5	ND	ug/L
Carbon tetrachloride	PZ-29	12/30/03	5	5	ND	ug/L
Carbon tetrachloride	PZ-33	12/30/03	5	5	ND	ug/L
Carbon tetrachloride	PZ-30	12/30/03	5	5	ND	ug/L
Carbon tetrachloride	PZ-27	12/30/03	5	5	ND	ug/L
Carbon tetrachloride	PZ-29	10/1/03	5	5	ND	ug/L
Carbon tetrachloride	PZ-33	10/1/03	5	5	ND	ug/L
Carbon tetrachloride	PZ-30	10/1/03	5	5	ND	ug/L
Carbon tetrachloride	MW33	10/1/03	5	5	ND	ug/L
Carbon tetrachloride	PZ-32	10/1/03	5	5	ND	ug/L
Carbon tetrachloride	PZ-27	10/1/03	5	5	ND	ug/L
Carbon tetrachloride	MW11	9/24/03	5	5	ND	ug/L
Carbon tetrachloride	MW21	9/24/03	5	5	ND	ug/L
Carbon tetrachloride	MW13	9/24/03	5	5	ND	ug/L
Carbon tetrachloride	MW15	9/24/03	5	5	ND	ug/L
Carbon tetrachloride	MW02C	9/24/03	5	5	ND	ug/L
Carbon tetrachloride	MW05A	9/24/03	5	5	ND	ug/L
Carbon tetrachloride	MW12	9/24/03	5	5	ND	ug/L
Carbon tetrachloride	MW20	9/24/03	5	5	ND	ug/L
Carbon tetrachloride	MW33	7/25/03	5	5	ND	ug/L
Carbon tetrachloride	PZ-30	7/25/03	5	5	ND	ug/L
Carbon tetrachloride	MW02C	3/20/03	5	5	ND	ug/L
Carbon tetrachloride	MW12	3/20/03	5	5	ND	ug/L
Carbon tetrachloride	MW11	3/20/03	5	5	ND	ug/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Carbon tetrachloride	MW15	3/20/03	5	5	ND	ug/L
Carbon tetrachloride	MW13	3/20/03	5	5	ND	ug/L
Carbon tetrachloride	MW20	3/20/03	5	5	ND	ug/L
Carbon tetrachloride	MW21	3/20/03	5	5	ND	ug/L
Carbon tetrachloride	MW05A	3/20/03	5	5	ND	ug/L
Carbon tetrachloride	MW11	9/24/02	5	5	ND	ug/L
Carbon tetrachloride	MW21	9/24/02	5	5	ND	ug/L
Carbon tetrachloride	MW13	9/24/02	5	5	ND	ug/L
Carbon tetrachloride	MW02C	9/24/02	5	5	ND	ug/L
Carbon tetrachloride	MW15	9/24/02	5	5	ND	ug/L
Carbon tetrachloride	MW05A	9/24/02	5	5	ND	ug/L
Carbon tetrachloride	MW12	9/24/02	5	5	ND	ug/L
Carbon tetrachloride	MW20	9/24/02	5	5	ND	ug/L
Carbon tetrachloride	MW11	3/12/02	5	5	ND	ug/L
Carbon tetrachloride	MW21	3/12/02	5	5	ND	ug/L
Carbon tetrachloride	MW13	3/12/02	5	5	ND	ug/L
Carbon tetrachloride	MW02C	3/12/02	5	5	ND	ug/L
Carbon tetrachloride	MW15	3/12/02	5	5	ND	ug/L
Carbon tetrachloride	MW05A	3/12/02	5	5	ND	ug/L
Carbon tetrachloride	MW12	3/12/02	5	5	ND	ug/L
Carbon tetrachloride	MW20	3/12/02	5	5	ND	ug/L
Carbon tetrachloride	MW02C	1/9/02	5	5	ND	ug/L
Carbon tetrachloride	MW11	9/25/01	5	5	ND	ug/L
Carbon tetrachloride	MW21	9/25/01	5	5	ND	ug/L
Carbon tetrachloride	MW13	9/25/01	5	5	ND	ug/L
Carbon tetrachloride	MW02C	9/25/01	5	5	ND	ug/L
Carbon tetrachloride	MW15	9/25/01	5	5	ND	ug/L
Carbon tetrachloride	MW20	9/25/01	5	5	ND	ug/L
Carbon tetrachloride	MW05A	9/25/01	5	5	ND	ug/L
Carbon tetrachloride	MW12	9/25/01	5	5	ND	ug/L
Carbon tetrachloride	MW02C	6/1/01	5	5	ND	ug/L
Carbon tetrachloride	MW11	3/14/01	5	5	ND	ug/L
Carbon tetrachloride	MW21	3/14/01	5	5	ND	ug/L
Carbon tetrachloride	MW13	3/14/01	5	5	ND	ug/L
Carbon tetrachloride	MW02C	3/14/01	5	5	ND	ug/L
Carbon tetrachloride	MW15	3/14/01	5	5	ND	ug/L
Carbon tetrachloride	MW05A	3/14/01	5	5	ND	ug/L
Carbon tetrachloride	MW20	3/14/01	5	5	ND	ug/L
Carbon tetrachloride	MW12	3/14/01	5	5	ND	ug/L
Carbon tetrachloride	MW02C	12/6/00	5	5	ND	ug/L
Carbon tetrachloride	MW11	9/26/00	5	5	ND	ug/L
Carbon tetrachloride	MW12	9/26/00	5	5	ND	ug/L
Carbon tetrachloride	MW20	9/26/00	5	5	ND	ug/L
Carbon tetrachloride	MW02C	9/26/00	5	5	ND	ug/L
Carbon tetrachloride	MW13	9/26/00	5	5	ND	ug/L
Carbon tetrachloride	MW15	9/26/00	5	5	ND	ug/L
Carbon tetrachloride	MW05A	9/26/00	5	5	ND	ug/L
Carbon tetrachloride	MW21	9/26/00	5	5	ND	ug/L
Carbon tetrachloride	MW30	3/21/00	5	5	ND	ug/L
Carbon tetrachloride	MW11	3/21/00	5	5	ND	ug/L
Carbon tetrachloride	MW21	3/21/00	5	5	ND	ug/L
Carbon tetrachloride	MW13	3/21/00	5	5	ND	ug/L
Carbon tetrachloride	MW02B	3/21/00	5	5	ND	ug/L
Carbon tetrachloride	MW20	3/21/00	5	5	ND	ug/L
Carbon tetrachloride	MW15	3/21/00	5	5	ND	ug/L
Carbon tetrachloride	MW05A	3/21/00	5	5	ND	ug/L
Carbon tetrachloride	MW12	3/21/00	5	5	ND	ug/L
Carbon tetrachloride	MW29A	3/20/00	5	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Carbon tetrachloride	PZ-26	3/16/00	5	5	ND	ug/L
Carbon tetrachloride	MW13	9/21/99	5	5	ND	ug/L
Carbon tetrachloride	MW15	9/21/99	5	5	ND	ug/L
Carbon tetrachloride	MW05A	9/21/99	5	5	ND	ug/L
Carbon tetrachloride	MW21	9/21/99	5	5	ND	ug/L
Carbon tetrachloride	MW11	9/21/99	5	5	ND	ug/L
Carbon tetrachloride	MW12	9/21/99	5	5	ND	ug/L
Carbon tetrachloride	MW20	9/21/99	5	5	ND	ug/L
Carbon tetrachloride	MW02B	9/21/99	5	5	ND	ug/L
Carbon tetrachloride	MW13	3/17/99	5	5	ND	ug/L
Carbon tetrachloride	MW05A	3/17/99	5	5	ND	ug/L
Carbon tetrachloride	MW15	3/16/99	5	5	ND	ug/L
Carbon tetrachloride	MW21	3/16/99	5	5	ND	ug/L
Carbon tetrachloride	MW12	3/16/99	5	5	ND	ug/L
Carbon tetrachloride	MW20	3/16/99	5	5	ND	ug/L
Carbon tetrachloride	MW02B	3/15/99	5	5	ND	ug/L
Carbon tetrachloride	MW11	3/15/99	5	5	ND	ug/L
Carbon tetrachloride	PZ-26	2/25/99	5	5	ND	ug/L
Carbon tetrachloride	MW06	2/25/99	5	5	ND	ug/L
Carbon tetrachloride	PZ-25	2/25/99	5	5	ND	ug/L
Carbon tetrachloride	MW03	2/25/99	5	5	ND	ug/L
Carbon tetrachloride	MW02B	10/15/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW05A	10/15/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW11	10/15/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW12	10/15/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW13	10/15/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW15	10/15/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW20	10/15/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW21	10/15/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW02B	3/12/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW05A	3/12/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW11	3/12/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW12	3/12/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW13	3/12/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW15	3/12/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW20	3/12/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW21	3/12/98	0.3	5	ND	ug/L
Carbon tetrachloride	MW02B	12/19/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW05A	12/19/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW11	12/19/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW12	12/19/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW13	12/19/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW15	12/19/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW20	12/19/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW21	12/19/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW05A	9/11/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW11	9/11/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW21	9/11/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW02B	9/10/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW12	9/10/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW13	9/10/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW15	9/10/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW20	9/10/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW02B	6/27/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW05A	6/27/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW11	6/27/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW12	6/27/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW13	6/27/97	0.3	5	ND	ug/L

Technically Complete
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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Carbon tetrachloride	MW15	6/27/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW20	6/27/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW21	6/27/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW02B	3/12/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW05A	3/12/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW11	3/12/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW12	3/12/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW13	3/12/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW15	3/12/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW20	3/12/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW21	3/12/97	0.3	5	ND	ug/L
Carbon tetrachloride	MW02B	12/4/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW05A	12/4/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW11	12/4/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW12	12/4/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW13	12/4/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW15	12/4/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW20	12/4/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW21	12/4/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW02B	9/11/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW05A	9/11/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW11	9/11/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW12	9/11/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW13	9/11/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW15	9/11/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW20	9/11/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW21	9/11/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW02B	7/2/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW05A	7/2/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW11	7/2/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW12	7/2/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW13	7/2/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW15	7/2/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW20	7/2/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW21	7/2/96	0.3	5	ND	ug/L
Carbon tetrachloride	MW01A	7/22/94	0.3	5	ND	ug/L
Carbon tetrachloride	MW02A	7/22/94	0.3	5	ND	ug/L
Carbon tetrachloride	MW03	7/22/94	0.3	5	ND	ug/L
Carbon tetrachloride	MW05	7/22/94	0.3	5	ND	ug/L
Carbon tetrachloride	MW06	7/22/94	0.3	5	ND	ug/L
Carbon tetrachloride	MW05A	5/12/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW15	4/26/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW01A	4/25/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW02A	4/25/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW03	4/25/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW05	4/25/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW06	4/25/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW01A	1/31/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW02A	1/31/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW03	1/31/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW05	1/31/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW06	1/31/94	0.1	5	ND	ug/L
Carbon tetrachloride	MW01A	10/18/93	0.1	5	ND	ug/L
Carbon tetrachloride	MW02A	10/18/93	0.1	5	ND	ug/L
Carbon tetrachloride	MW03	10/18/93	0.1	5	ND	ug/L
Carbon tetrachloride	MW05	10/18/93	0.1	5	ND	ug/L
Carbon tetrachloride	MW06	10/18/93	0.1	5	ND	ug/L
Carbon tetrachloride	MW03	7/27/93	0.1	5	ND	ug/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Carbon tetrachloride	MW06	7/27/93	0.1	5	ND	ug/L
Carbon tetrachloride	MW01A	7/26/93	0.1	5	ND	ug/L
Carbon tetrachloride	MW02A	7/26/93	0.1	5	ND	ug/L
Carbon tetrachloride	MW05	7/26/93	0.1	5	ND	ug/L
Carbon tetrachloride	MW02A	5/21/92	1	5	ND	ug/L
Carbon tetrachloride	MW01A	11/7/91	0.1	5	ND	ug/L
Carbon tetrachloride	MW02A	11/7/91	0.1	5	ND	ug/L
Carbon tetrachloride	MW03	11/7/91	0.1	5	ND	ug/L
Carbon tetrachloride	MW05	11/7/91	0.1	5	ND	ug/L
Carbon tetrachloride	MW06	11/7/91	0.1	5	ND	ug/L
Chemical Oxygen Demand (COD)	MW15	3/29/01	20	20	ND	mg/L
Chemical Oxygen Demand (COD)	MW06	4/4/91	108	10		mg/L
Chlordane (technical)	MW30	3/21/00	0.5	0.5	ND	ug/L
Chlordane (technical)	MW29A	3/20/00	0.5	0.5	ND	ug/L
Chlordane (technical)	PZ-26	3/16/00	0.5	0.5	ND	ug/L
Chloride	MW-02C	8/2/06	4000	51		mg/L
Chloride	MW-05A	8/2/06	610	5.1		mg/L
Chloride	MW-11	8/2/06	890	5.1		mg/L
Chloride	MW-12	8/2/06	570	13		mg/L
Chloride	MW-13	8/2/06	1200	25		mg/L
Chloride	MW-15	8/2/06	480	5.1		mg/L
Chloride	MW-20	8/2/06	2500	25		mg/L
Chloride	MW-21	8/2/06	290	2.5		mg/L
Chloride	PZ-32	7/28/06	1800	13		mg/L
Chloride	MW-02C	7/20/06	2800	25		mg/L
Chloride	MW-05A	7/20/06	610	5.1		mg/L
Chloride	MW-11	7/20/06	880	5.1		mg/L
Chloride	MW-12	7/20/06	460	13		mg/L
Chloride	MW-13	7/20/06	1200	13		mg/L
Chloride	MW-15	7/20/06	410	2.5		mg/L
Chloride	MW-20	7/20/06	2200	25		mg/L
Chloride	MW-21	7/20/06	280	2.5		mg/L
Chloride	PZ-33	7/20/06	1700	25		mg/L
Chloride	PZ-32	5/12/06	660	5.1		mg/L
Chloride	MW-02C	1/19/06	3300	25		mg/L
Chloride	MW-05A	1/19/06	500	5.1		mg/L
Chloride	MW-11	1/19/06	800	5.1		mg/L
Chloride	MW-12	1/19/06	410	2.5		mg/L
Chloride	MW-13	1/19/06	1100	13		mg/L
Chloride	MW-15	1/19/06	370	2.5		mg/L
Chloride	MW-20	1/19/06	2100	13		mg/L
Chloride	MW-21	1/19/06	290	2.5		mg/L
Chloride	PZ-33	1/19/06	1600	13		mg/L
Chloride	FB-01	11/17/05	0.5	0.5	ND	mg/L
Chloride	PZ-33	11/17/05	1700	10		mg/L
Chloride	PZ-29	8/26/05	1000	5		mg/L
Chloride	PZ-33	8/26/05	1600	5		mg/L
Chloride	MW-02C	8/18/05	2700	10		mg/L
Chloride	MW-05A	8/18/05	540	5		mg/L
Chloride	MW-11	8/18/05	820	2		mg/L
Chloride	MW-12	8/18/05	200	0.5		mg/L
Chloride	MW-13	8/18/05	1100	10		mg/L
Chloride	MW-15	8/18/05	330	1		mg/L
Chloride	MW-20	8/18/05	2300	10		mg/L
Chloride	MW-21	8/18/05	250	1		mg/L
Chloride	PZ-29	3/23/05	660	2		mg/L
Chloride	PZ-33	3/23/05	1700	10		mg/L
Chloride	MW02C	3/17/05	2500	10		mg/L

Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Chloride	MW13	10/15/98	1130	3		mg/L
Chloride	MW15	10/15/98	557	0.3		mg/L
Chloride	MW20	10/15/98	2230	3		mg/L
Chloride	MW21	10/15/98	294	0.3		mg/L
Chloride	MW02B	3/12/98	4070	3		mg/L
Chloride	MW05A	3/12/98	594	3		mg/L
Chloride	MW11	3/12/98	813	3		mg/L
Chloride	MW12	3/12/98	353	1.5		mg/L
Chloride	MW13	3/12/98	1290	3		mg/L
Chloride	MW15	3/12/98	478	3		mg/L
Chloride	MW20	3/12/98	2510	3		mg/L
Chloride	MW21	3/12/98	243	1.5		mg/L
Chloride	MW02B	12/19/97	3840	3		mg/L
Chloride	MW05A	12/19/97	521	1.5		mg/L
Chloride	MW11	12/19/97	790	3		mg/L
Chloride	MW12	12/19/97	620	1.5		mg/L
Chloride	MW13	12/19/97	1180	3		mg/L
Chloride	MW15	12/19/97	482	1.5		mg/L
Chloride	MW20	12/19/97	2400	3		mg/L
Chloride	MW21	12/19/97	251	1.5		mg/L
Chloride	MW05A	9/11/97	579	3		mg/L
Chloride	MW11	9/11/97	826	3		mg/L
Chloride	MW21	9/11/97	254	3		mg/L
Chloride	MW02B	9/10/97	3660	7.5		mg/L
Chloride	MW12	9/10/97	719	3		mg/L
Chloride	MW13	9/10/97	1150	3		mg/L
Chloride	MW15	9/10/97	470	3		mg/L
Chloride	MW20	9/10/97	2310	3		mg/L
Chloride	MW02B	6/27/97	3910	3		mg/L
Chloride	MW05A	6/27/97	557	3		mg/L
Chloride	MW11	6/27/97	885	3		mg/L
Chloride	MW12	6/27/97	641	3		mg/L
Chloride	MW13	6/27/97	1240	3		mg/L
Chloride	MW15	6/27/97	440	3		mg/L
Chloride	MW20	6/27/97	2300	3		mg/L
Chloride	MW21	6/27/97	227	3		mg/L
Chloride	MW02B	3/12/97	3870	3		mg/L
Chloride	MW05A	3/12/97	613	3		mg/L
Chloride	MW11	3/12/97	844	3		mg/L
Chloride	MW12	3/12/97	648	3		mg/L
Chloride	MW13	3/12/97	1190	3		mg/L
Chloride	MW15	3/12/97	545	3		mg/L
Chloride	MW20	3/12/97	2390	3		mg/L
Chloride	MW21	3/12/97	153	1.5		mg/L
Chloride	MW02B	12/4/96	3830	3		mg/L
Chloride	MW05A	12/4/96	497	3		mg/L
Chloride	MW11	12/4/96	792	3		mg/L
Chloride	MW12	12/4/96	615	3		mg/L
Chloride	MW13	12/4/96	1180	3		mg/L
Chloride	MW15	12/4/96	557	3		mg/L
Chloride	MW20	12/4/96	2310	3		mg/L
Chloride	MW21	12/4/96	226	3		mg/L
Chloride	MW02B	9/11/96	3850	3		mg/L
Chloride	MW05A	9/11/96	569	0.3		mg/L
Chloride	MW11	9/11/96	878	3		mg/L
Chloride	MW12	9/11/96	675	3		mg/L
Chloride	MW13	9/11/96	1250	3		mg/L
Chloride	MW15	9/11/96	626	3		mg/L

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Analyte	Sample Point	Collection Date	Result	Detection Limit	Qualifier	Units
Chloride	MW20	9/11/96	2340	3		mg/L
Chloride	MW21	9/11/96	290	1.5		mg/L
Chloride	MW02B	7/2/96	3610	7.5		mg/L
Chloride	MW05A	7/2/96	526	3		mg/L
Chloride	MW11	7/2/96	837	3		mg/L
Chloride	MW12	7/2/96	616	3		mg/L
Chloride	MW13	7/2/96	1150	3		mg/L
Chloride	MW15	7/2/96	573	3		mg/L
Chloride	MW20	7/2/96	2280	3		mg/L
Chloride	MW21	7/2/96	279	3		mg/L
Chloride	MW01A	9/12/95	3120	0.5		mg/L
Chloride	MW02A	9/12/95	3160	0.5		mg/L
Chloride	MW03	9/12/95	1060	0.5		mg/L
Chloride	MW06	9/12/95	999	0.5		mg/L
Chloride	MW01A	3/20/95	3180	12.5		mg/L
Chloride	MW02A	3/20/95	3440	12.5		mg/L
Chloride	MW03	3/20/95	968	5		mg/L
Chloride	MW06	3/20/95	964	5		mg/L
Chloride	MW01A	7/22/94	3400	5		mg/L
Chloride	MW02A	7/22/94	3370	5		mg/L
Chloride	MW03	7/22/94	1200	5		mg/L
Chloride	MW05	7/22/94	301	5		mg/L
Chloride	MW06	7/22/94	943	5		mg/L
Chloride	MW01A	4/25/94	3311.7	6		mg/L
Chloride	MW02A	4/25/94	3066.8	6		mg/L
Chloride	MW03	4/25/94	1029.5	3		mg/L
Chloride	MW05	4/25/94	265.14	3		mg/L
Chloride	MW06	4/25/94	928.9	3		mg/L
Chloride	MW01A	1/31/94	3220	7.5		mg/L
Chloride	MW02A	1/31/94	3100	7.5		mg/L
Chloride	MW03	1/31/94	924	3		mg/L
Chloride	MW05	1/31/94	222	3		mg/L
Chloride	MW06	1/31/94	878	3		mg/L
Chloride	MW01A	10/18/93	3130	2.5		mg/L
Chloride	MW02A	10/18/93	2910	2.5		mg/L
Chloride	MW03	10/18/93	909	2.5		mg/L
Chloride	MW05	10/18/93	190	2.5		mg/L
Chloride	MW06	10/18/93	895	2.5		mg/L
Chloride	MW03	7/27/93	955	2.5		mg/L
Chloride	MW06	7/27/93	955	2.5		mg/L
Chloride	MW01A	7/26/93	3640	5		mg/L
Chloride	MW02A	7/26/93	3280	5		mg/L
Chloride	MW05	7/26/93	203	2.5		mg/L
Chloride	MW01A	5/7/93	3110	12.5		mg/L
Chloride	MW02A	5/7/93	2770	5		mg/L
Chloride	MW03	5/7/93	873	5		mg/L
Chloride	MW05	5/7/93	281	5		mg/L
Chloride	MW06	5/7/93	853	5		mg/L
Chloride	MW03	3/4/93	965	3		mg/L
Chloride	MW01A	3/3/93	2820	7.5		mg/L
Chloride	MW02A	3/3/93	2760	3		mg/L
Chloride	MW05	3/3/93	301	3		mg/L
Chloride	MW06	3/3/93	805	3		mg/L
Chloride	MW01A	11/23/92	3210	12.5		mg/L
Chloride	MW02A	11/23/92	2780	5		mg/L
Chloride	MW03	11/23/92	958	5		mg/L
Chloride	MW05	11/23/92	463	5		mg/L
Chloride	MW06	11/23/92	806	5		mg/L

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