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LAS VEGAS

March 26, 2004 00-43367-06

Maryland Square Shopping Center Limited
Liability Company/Herman Kishner Trust
c/o Mr. Paul Lal
Dickerson, Dickerson, Consul & Pocker
Rainbow Corporate Center, Suite 350
777 North Rainbow Boulevard
Las Vegas, NV 89107

Subject: **Well Installation/Slug Testing/Groundwater Monitoring Report – 4th Quarter 2003 and 1st Quarter 2004**
Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada
Facility ID: H-000086 (the Site)

Dear Mr. Lal:

Converse Consultants (Converse) is pleased to present the *Quarterly Groundwater Monitoring Report* for the Site. Our work included quarterly sampling for VOCs and inorganic indicator parameters. It also includes information on well installation activities and slug testing at the Site. The work was completed in accordance with our proposal dated August 28, 2003, which the Nevada Division of Environmental Protection (NDEP) approved by letter dated September 2, 2003, and our workplan for two quarterly sampling events for monitoring wells, which NDEP approved on September 2, 2003. As noted previously, it is contemplated that with the completion of two quarters of monitoring the wells at the Site, the need for additional sampling and/or reduction in the number of wells and frequency of sampling will be evaluated.

Background

The Site is located at 3661 South Maryland Parkway at the northwest corner of Maryland Parkway and Twain Avenue in Las Vegas, Nevada. It is located in the Southeast ¼ of the Northeast ¼ of Section 15, Town-

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ship 21 South, Range 61 East. One portion of the Site is currently developed as a strip shopping center and another portion of the Site is developed as a school. A dry cleaning facility was located on the portion of the Site, which contains the strip shopping center building. Please refer to Drawing No. 1 for the Site location.

On August 9, 2000, subsurface soil and water conditions were investigated along the eastern boundary of the Site by drilling one (1) soil boring and converting it into a monitoring well (MW-1). Water samples collected from MW-1 on August 14, 2000 revealed that perchloroethene (PCE) concentrations in the groundwater at the Site exceeded the established United States Environmental Protection Agency (EPA) maximum contamination level (MCL) for PCE in drinking water of 5.0 micrograms per liter (ug/l) or parts per billion (ppb).

On October 2 and 3, 2000, downgradient subsurface soil and water conditions were investigated by drilling five (5) additional soil borings the vicinity of the Boulevard Mall parking garage and converting the borings into monitoring wells (MW-2 through MW-6). Water samples collected from these wells on October 5, 2000 revealed concentrations of PCE in excess of its MCL and concentrations of trichloroethene (TCE) in excess of its MCL of 5 ppb.

On August 22, 2001, Converse completed a well search for the area of the Site. This search revealed twenty (20) potential sources of potable water in the area (Section 15) where the Site is located. Thirty-four (34) potential sources of potable water exist in Section 14, which is downgradient of the Site.

In November 2002, Converse completed an additional soil and groundwater investigation and an investigation of the soil beneath the strip shopping center building located on the Site. Five soil samples were collected from beneath the suite previously occupied by the dry cleaning facility in the strip shopping center building. The samples were collected by coring through the concrete floor and and-augering to refusal. PCE was detected in four of the five soil samples collected at depths ranging from approximately two and one-half feet to four feet bgs and at concentrations of 110 ppb (in two samples), at 170 ppb and at 15,000 ppb. EPA's current Preliminary Remedial Goal (PRG) for PCE in industrial soil is 3,400 ppb. Additionally, six (6) groundwater monitoring

wells were installed (MW-7 through MW-12) on the Site and on the Boulevard Mall property. The results of this additional investigation indicated that there was PCE in the soil beneath the facility, that the lateral extent of PCE was defined upgradient on the Site, and that the lateral extent of PCE impacted groundwater was defined to the southeast beneath the Boulevard Mall.

In May 2003, one (1) additional well (MW-13) was installed on the Boulevard Mall property, at NDEP's direction, to assess the extent of PCE impacts to the northeast.

Drilling and Boring/Groundwater Well Installation

Soil Boring Installation

On November 12 through 14, 2003, the subsurface soil conditions were explored by drilling eight (8) soil borings and converting six (6) of the borings into monitoring wells. Borings MW-14 and MW-15 were located in the Boulevard Mall parking area, to the east of Maryland Parkway and to the north and northwest of the parking garage. Borings MW-16 through MW-21 were located to the east of the Boulevard Mall and to the north of MW-11. Please refer to Drawing No. 2 for the boring locations.

Drilling was accomplished with a truck-mounted hollow stem auger drill rig. Boring MW-14 was drilled to an approximate depth of 40 feet below ground surface (bgs). Boring MW-15 was drilled to an approximate depth of 31 feet bgs. Borings MW-15 through MW-21 were drilled to an approximate depth of 35 feet bgs. During drilling activities, no odors, that could be associated with contamination, were encountered. Continuous logs of the subsurface conditions, as encountered in the explorations, were recorded at the time of drilling by a Converse Geologist and visually classified in accordance with the Unified Soil Classification System. Soil samples were collected from the borings in order to characterize the soil for disposal purposes. Copies of the soil boring and monitoring well completion logs are included in Appendix C. The soil samples were analyzed using EPA Method 8260 for volatile organic compounds (VOCs) including PCE. Copies of the laboratory reports are included in Appendix B.

Groundwater Sampling

Grab groundwater samples were collected from borings MW-16 through MW-21 on November 12 and 14, 2003 in order to determine which borings to convert to permanent monitoring wells. The groundwater samples were analyzed using EPA Method 8260 for VOCs, including PCE, under 24-hour turnaround times.

Table 1: Grab Groundwater Sample Analytical Results

Well ID	EPA Method 8260B					
	PCE (µg/L)	TCE (µg/L)	Cis-1,2-Dichloroethene (µg/L)	Vinyl Chloride (µg/L)	Acetone (µg/L)	Chloroform (µg/L)
MW-16	ND	ND	ND	ND	NS	ND
MW-17	9.2	ND	ND	ND	NS	ND
MW-18	390	ND	ND	ND	NS	ND
MW-19	710	ND	ND	ND	NS	ND
MW-20	1,20	ND	ND	ND	NS	ND
MW-21	23	ND	ND	ND	NS	ND

ND= Non Detect
NS = Not Sampled

Based on the above analytical results and discussion with the NDEP, borings MW-16, MW-19, MW-20, and MW-21 were converted to permanent monitoring wells and borings MW-17 and MW-18 were abandoned. Borings MW-14 and MW-15 were also converted to permanent wells in order to delineate groundwater impacts to the north of the parking garage. Copies of the laboratory reports are included in Appendix B.

Well Installations

Groundwater wells were constructed in the soil borings by installing 2-inch diameter PVC slotted screen from the bottom of the soil boring to 15 feet bgs in MW-14 and MW-15, and 19 feet bgs in MW-16, MW-19, MW-20, and MW-21, with blank PVC from the slotted terminus to the surface. Silica sand was used to infill the space between the screened piping and the borehole, and was extended from the maximum depth to 2 to 2.5 feet above the screen terminus. A bentonite seal was placed

above the sand. The wells were finished by infilling with neat cement. Seven-inch diameter manholes equipped with metal covers were installed on the wells flush with the surrounding pavement. Lockable well caps were also installed on the wells.

Groundwater Monitoring and Sampling Procedures

Groundwater samples were collected from the newly installed monitoring wells (MW-14, MW-15, MW-16, MW-19, MW-20, and MW-21) on November 25 and 26, 2003. The results of such sampling are set forth in Table 3 below.

On January 13 and 14, 2004, groundwater levels were measured and samples were collected from wells MW-1 through MW-10, MW-12 through MW-16, and MW-19 through MW-21. A groundwater sample was not collected from well MW-11 due to the presence of 1.12 feet of phase-separated hydrocarbons (PSH) floating on top of the water column in the well. Approximately three well volumes were purged from each well, except MW-11, before groundwater samples were collected. Dissolved oxygen, pH, conductivity, and temperature parameters were measured in the field. The groundwater samples were transported under chain-of-custody procedures to Alpha Analytical, Inc. in Sparks, Nevada, for analysis. The samples were analyzed for volatile organic compounds (VOCs) in accordance with EPA Method 8260B and analyzed in the field for inorganic indicator parameters.

Monitoring and Groundwater Sampling Results

The local groundwater gradient at the Site is generally toward the east as shown in Drawing No. 2. Groundwater levels for this sampling event are summarized in Table 2. Historical groundwater data is summarized in Table A-1 (Appendix A).

Table 2 – Groundwater Elevations, January 13 & 14, 2004

Well ID	Top of Casing Elevation (feet MSL)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
MW-1	1992.04	19.30	1972.74
MW-2	1983.97	18.25	1965.72

Well ID	Top of Casing Elevation (Feet MSL)	Depth to Groundwater Level (Feet)	Groundwater Elevation (Feet MSL)
MW-3	1984.43	19.25	1965.18
MW-4	1989.85	19.68	1970.17
MW-5	1989.18	18.65	1970.53
MW-6	1989.01	19.72	1969.29
MW-7	1990.25	17.32	1972.93
MW-8	1994.23	19.91	1974.32
MW-9	1992.26	19.05	1973.21
MW-10	1983.80	20.32	1963.48
MW-11	1980.24	26.22	1954.02
MW-12	1996.50	15.40	1981.10
MW-13	1984.20	18.00	1966.20
MW-14	1987.89	18.35	1969.54
MW-15	1983.28	15.60	1967.68
MW-16	1980.63	26.22	1954.41
MW-19	1980.26	25.65	1954.61
MW-20	1979.99	25.50	1954.49
MW-21	1979.56	24.72	1954.84

PCE was present in each of the wells sampled on January 13 and 14, except for MW-10 and MW-16, ranging from 2.7 ppb (MW-15) to 2,700 ppb (MW-13). Table 3 illustrates the current analytical results. Table A-2 (Appendix A) presents the historical analytical results.

Table 3: Groundwater Sample Analytical Results

Well ID	Sample Date	EPA Method 8260B					
		PCE (µg/L)	TCE (µg/L)	Cis-1,2-Dichloroethene (µg/L)	Vinyl Chloride (µg/L)	Acetone (µg/L)	Chloroform (µg/L)
MW-1	1/14/04	1,700	ND	ND	ND	NS	ND
MW-2	1/13/04	1,700	ND	ND	ND	NS	ND
MW-3	1/13/04	6.7	ND	ND	ND	NS	7.0
MW-4	1/13/04	220	ND	ND	ND	NS	3.9

Well ID	Sample Date	EPA Method 8260B					
		PCE (µg/L)	TCE (µg/L)	Cis-1,2-Dichloroethene (µg/L)	Vinyl Chloride (µg/L)	Acetone (µg/L)	Chloroform (µg/L)
MW-5	1/13/04	370	ND	ND	ND	NS	4.5
MW-6	1/13/04	2,400	ND	ND	ND	NS	ND
MW-7	1/14/04	11	ND	ND	ND	NS	3.1
MW-8	1/14/04	4.7	ND	ND	ND	NS	4.6
MW-9	1/14/04	10	ND	ND	ND	NS	ND
MW-10	1/13/04	ND	ND	ND	ND	NS	ND
MW-11	1/13/04	NS	NS	NS	NS	NS	NS
MW-12	1/13/04	6.1	ND	ND	ND	NS	4.1
MW-13	1/13/04	2,700	ND	ND	ND	NS	ND
MW-14	11/26/03	1,900	ND	ND	ND	NS	ND
	1/13/04	2,100	ND	ND	ND	NS	ND
MW-15	11/26/03	5.2	ND	ND	ND	NS	1.6
	1/13/04	2.7	ND	ND	ND	NS	1.4
MW-16	11/25/03	ND	ND	ND	ND	NS	ND
	1/13/04	ND	ND	ND	ND	NS	ND
MW-19	11/25/03	1,100	ND	ND	ND	NS	ND
	1/13/04	1,200	ND	ND	ND	NS	ND
MW-20	11/25/03	1,800	ND	ND	ND	NS	ND
	1/13/04	290	2.8	ND	ND	NS	ND
MW-21	11/25/03	51	ND	ND	ND	NS	ND
	1/13/04	55	ND	ND	ND	NS	ND

ND= Non Detect
NS = Not Sampled

O wells in parking lot east of mall

The inorganic indicator parameters include dissolved oxygen (DO), conductivity, pH, and temperature. The groundwater analytical results for the inorganic biodegradation indicator compounds are discussed as follows:

Dissolved Oxygen (DO): DO is an indicator for monitoring biodegradation potential. DO levels are reduced as aerobic biodegradation occurs. The DO levels for this Site ranged from 0.68 mg/L to 1.30 mg/L.

Temperature: Groundwater temperature affects the solubility of oxygen, which increases with decreased groundwater temperatures. Temperature also affects the metabolic activity of bacteria (degradation), which increases with temperature. At this Site, groundwater temperatures average from 22.0 to 24.4 degrees Celsius.

pH: The pH values favorable to microbial degradation of VOCs range from 6 to 8. The pH values for this Site are within this range.

Electrical Conductivity: If conductivity varies significantly, it may suggest different hydrogeologic zones, or that groundwater is impacted by dissolved contaminants. The conductivity values at this Site are not unique in that regard.

Table 4 illustrates the results of the inorganic non-metals analyses.

Table 4 – Inorganic Non-Metals, January 13 & 14, 2004

Well ID	Dissolved Oxygen (mg/L)	Temperature (C)	pH (su)	Electrical Conductivity (us/cm)
MW-1	0.93	22.5	6.97	3.48
MW-2	1.13	23.2	7.05	3.10
MW-3	0.97	22.4	6.87	2.91
MW-4	1.23	22.0	6.95	2.71
MW-5	1.20	22.3	6.72	2.61
MW-6	1.19	22.4	6.97	2.31
MW-7	0.93	22.4	7.00	2.23
MW-8	1.04	22.0	6.99	2.16
MW-9	1.18	22.6	6.99	2.50
MW-10	1.03	24.4	7.00	3.13
MW-11	NM	NM	NM	NM
MW-12	NM	22.4	6.99	2.15
MW-13	1.07	22.2	6.61	3.29

Well ID	Dissolved Oxygen (mg/L)	Temperature (C)	pH (su)	Electrical Conductivity (us/cm)
MW-14	1.30	22.3	6.99	2.27
MW-15	1.00	22.4	6.35	2.20
MW-16	0.68	22.4	6.97	2.31
MW-19	1.02	22.4	6.99	1.90
MW-20	1.11	22.6	6.94	2.07
MW-21	1.08	22.3	6.91	2.04

NM = Not Measured

Aquifer Test Activities

The purpose of aquifer testing at the site was to obtain hydraulic parameters that are required for designing an HRC groundwater treatment program. Hydraulic design parameters required for HRC implementation included but not limited to physical soil properties, groundwater flow gradient, shallow aquifer thickness and average hydraulic conductivity of the aquifer. Details regarding limited soils testing and aquifer testing are included in the following sections.

Limited Soils Testing

Two (2) soil samples were collected from the soil boring for MW-14. The samples were obtained by driving 6-inch sleeves into undisturbed soil at vertical depths within the interval of the shallow water-bearing soil that was later screened within monitoring well (MW-14). The relatively undisturbed soil was taken into Converse's soil lab for determination of moisture-density, grain size distribution, porosity and bulk density. Results of the soils testing are summarized below in Table 5. Details regarding grain size distribution are included in Appendix D.

Table 5 – Results of Soils Testing

Sample Location (Boring, Depth-ft)	Soil Description	Total Porosity	Bulk Density (gm/cm^3)
B-14, 14'	Sandy lean clay; few caliche, gravel, white, moist	0.57	1.14
B-14, 19'	Sandy lean clay; few caliche, gravel, white, moist	0.49	1.49

Aquifer Testing- Slug Tests

Slug tests were performed in six (6) monitoring wells on the site. Slug test data were analyzed using the Hvorslev (1951) and Bouwer and Rice (1976) methods for falling (slug-in) and rising (slug-out) head tests.

Each slug test was conducted by submerging a "slug" constructed of rigid, sealed PVC pipe of known dimensions and volume below the water table. Two types of slug tests were performed at each well, slug-in and slug-out, each of which causes an instantaneous change in water level. The rate at which the disturbed water level recovers to static conditions is a function of the hydraulic conductivity of the aquifer material near the well screen. Changes in water level over time were observed using a rapid-sample electronic pressure transducer with a self-contained data logger, which is programmed and connected to a handheld computer at the surface. The slug-in test causes an increase in the water level, before recovering to static conditions, while the slug-out test produces a drop in the water level as the slug is removed. Each test (slug-in and slug-out) was repeated for multiple repetitions until test results show little variation in the rate of water level recovery. A summary of hydraulic conductivity estimates from slug testing is included in Table 6 below, and details regarding slug test analyses are included in Appendix E.

It should be noted that values of (**K**) determined from the slug testing represent near bore (<1 foot radius) averages, and may not be representative of aquifer materials outside this effective well radius. This is especially true for nonhomogeneous and anisotropic aquifers such as the shallow aquifer, which encompasses most of the Las Vegas Valley and includes the Site. These aquifer conditions can often result in significant spatially variability of hydraulic conductivity. Therefore, values of (**K**) derived from the slug tests should be considered as order of magnitude ranges, rather than absolute values of aquifer properties.

Table 6 – Results of Slug Testing

Tested Monitoring Well	Average Hydraulic Conductivity, K (Bouwer-Rice Method) (ft/day)	Average Hydraulic Conductivity, K (Hvorslev Method) (ft/day)
MW-2	9.9	5.5
MW-3	8.9	5.1
MW-13	6.0	2.2
MW-15	16.0	5.0
MW-16	9.5	3.5
MW-19	17.0	6.4
MW-20	1.9	0.8

$\bar{X} = 9.886$ $\bar{X} = 4.071$ ft/day 7 wells

59.4 $k_h = 0.0$

Conclusions

1. The average groundwater depth for these wells is 18.82 feet below ground surface (bgs). The groundwater gradient appears to be toward the east.

2. As compared to the prior groundwater monitoring event, PCE concentrations increased in monitoring wells MW-4, MW-5, MW-6, MW-7, MW-8, and MW-9 and decreased in monitoring wells MW-1, MW-3, MW-10, MW-12, and MW-13.

3. A groundwater sample was not collected from well MW-11 due to the presence of 1.12 feet of PSH floating on top of the water column in the well.

4. The addition of the new monitoring wells (MW-16 through MW-21) indicates that the PCE plume may extend to about 100 feet from the eastern property line of the Boulevard Mall property.

Recommendations

1. Currently there are drums containing groundwater from well purging and sampling activities stored on the Site. Converse recommends properly disposing of these drums.

2. Continue quarterly groundwater monitoring at the Site for an additional quarter with the scope of any additional groundwater monitoring to be addressed in future submissions.

3. Assess the remedial measures required at the Site in addition to or different from the remedial activities recommended in Converse's workplan for the Site dated September 3, 2003 and approved by the NDEP in its letter dated September 25, 2003.

Limitations

The conclusions presented in this report are professional opinions based on the data described in this report. They are intended only for the purpose, site location and project indicated. The conclusions presented in this report are based on the assumption that conditions do not deviate from those observed during our study, as described in this report. No other warranty is either expressed or implied.

Conclusions and recommendations in this report are based on the sampling and testing completed for the stated scope of work. Sampling and testing locations are intended to confirm the presence or absence of target contaminants at selected locations. Contaminant levels observed may not be the highest levels present at the site. It is not the intent of this study to perform exploration to detect other contaminants. Observed contaminants may change with relation to time, on-site activities, and adjacent site activities. This report represents information only to the specific time in which it was collected.

Certified Environmental Manager (CEM) Statement

For the services provided and described in this document, the following language is from NAC 459.

> *I hereby certify that I am responsible for the services described in this document and for the preparation of this document. The services described in this document have been provided in a manner consistent with the current standards of the profession and to the best of my knowledge comply with all applicable federal, state, and local statutes, regulations, and ordinances.*

Thank you for the opportunity to be of service. Should you have any questions or comments, please call our office at your convenience.

Respectfully submitted,

CONVERSE CONSULTANTS

Andrea L. Moericke

Andrea L. Moericke, CEM
Senior Project Manager
Nevada CEM 1754 (Exp. 03/01/05)
Date Signed: 3/26/04

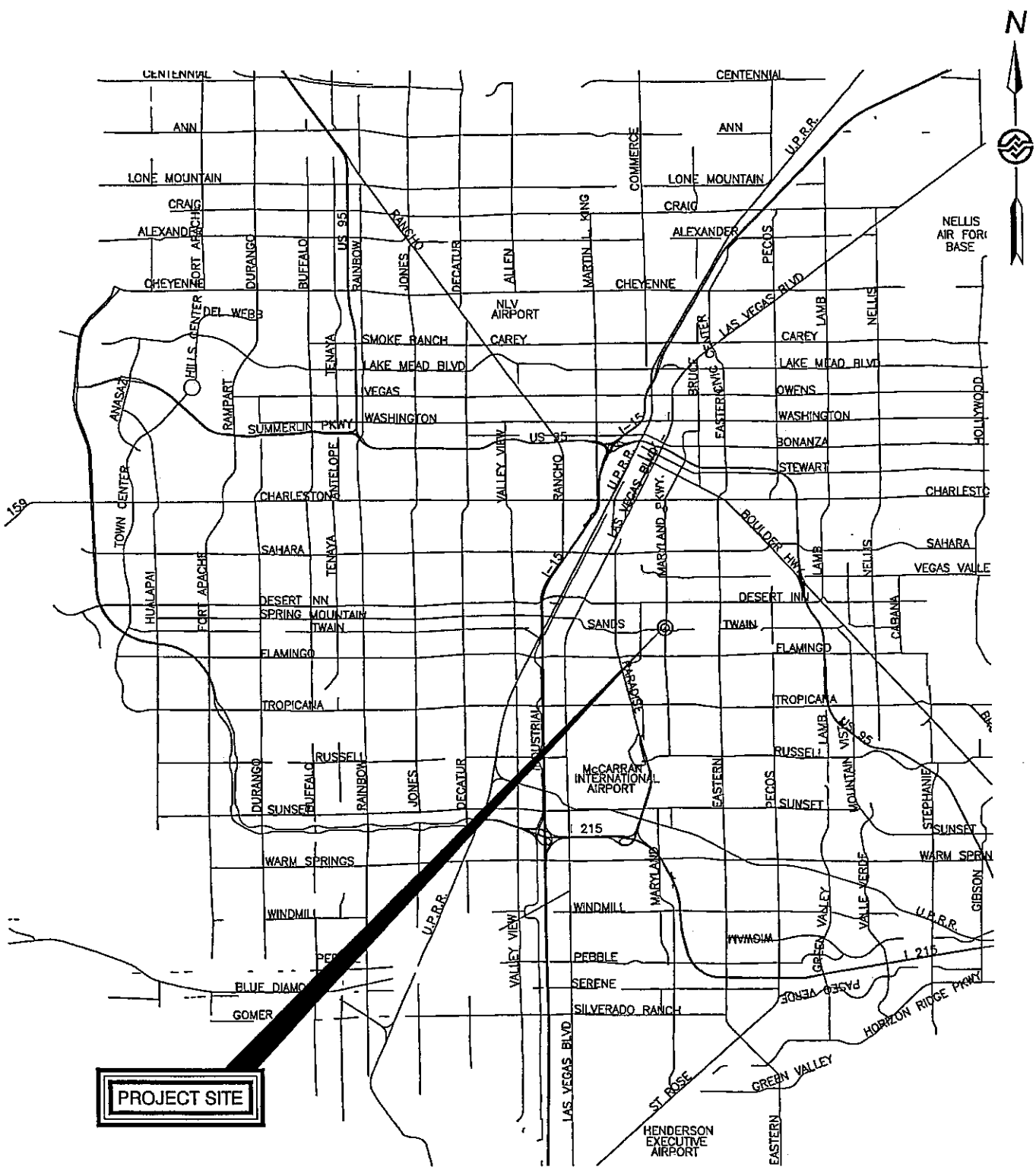
Reviewed and approved by,

Kurt A. Goebel, PG, CEM
Vice President
Environmental Division Manager

KAG:ALM:sc
52/57CS

Encl: Drawing No. 1—Las Vegas Vicinity
Drawing No. 2—Groundwater Elevations
Appendix A: Historical Data
Appendix B: Analytical Results
Appendix C: Boring and Monitoring Well Logs
Appendix D: Soils Testing
Appendix E: Slug Testing

Dist: 3/Addressee
1/NDEP – Las Vegas Office, Attn: Ms. Chris Andres
2/The Boulevard Mall, Attn: Mr. Timothy Biedinger
3/Jenkens & Gilchrist, LLP, Attn: Ms. Sonja Inglin



LAS VEGAS VICINITY

Maryland Square Shopping Center
3661 South Maryland Parkway
Las Vegas, Nevada

Scale	1" = 15,000'
Date	09/12/03
Drafted By	REP
Checked By	ALM
Approved By	
File No.	36706V01
Project No.	00-43367-06
Drawing No.	1

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Over 50 Years of Dedication in Engineering and Environmental Sciences

Appendix A

Table A-1: Historical Groundwater Elevations

Well ID	Top of Casing Elevation (Feet MSL)	Date	Depth to Groundwater Level (Feet)	Groundwater Elevation (Feet MSL)
MW-1	1991.81	10/5/00	17.54	1974.27
	1992.04	9/24/02	17.90	1974.14
		5/7/03	18.70	1973.34
	1992.04*	9/24/03	18.97	1973.07
		1/14/04	19.30	1972.74
MW-2	1983.79	10/5/00	15.52	1968.27
	1983.99	9/24/02	16.62	1967.37
		5/7/03	17.15	1966.84
	1983.97*	9/24/03	17.70	1966.27
		1/13/04	18.25	1965.72
MW-3	1984.19	10/5/00	15.95	1968.24
	1984.46	9/24/02	17.20	1967.26
		5/7/03	17.70	1966.76
	1984.43*	9/24/03	18.35	1966.08
		1/13/04	19.25	1965.18
MW-4	1989.68	10/5/00	16.95	1972.73
	1989.87	9/24/02	NM	NM
		5/7/03	18.71	1971.16
	1989.85*	9/24/03	19.05	1970.79
		1/13/04	19.68	1970.17
MW-5	1988.93	10/5/00	16.20	1972.73
	1989.18	9/24/02	17.00	1972.87
		5/7/03	17.80	1971.38
	1989.18*	9/24/03	18.07	1971.11
		1/13/04	18.65	1970.53
MW-6	1988.72	10/5/00	17.41	1971.31
	1989.01	9/24/02	18.26	1970.75
		5/7/03	18.87	1970.14
	1989.01*	9/2403	19.25	1969.76
		1/13/04	19.72	1969.29
MW-7		10/5/00	NI	NI
	1990.28	9/24/02	18.27	1972.01
		5/7/03	16.60	1973.68
	1990.25*	9/24/03	16.79	1973.46
		1/14/04	17.32	1972.93
MW-8		10/5/00	NI	NI
	1994.25	9/24/02	18.55	1975.70
		5/7/03	19.50	1974.75

Well ID	Top of Casing Elevation (Feet MSL)	Date	Depth to Groundwater Level (Feet)	Groundwater Elevation (Feet MSL)
	1994.23*	9/24/03	19.55	1974.68
		1/14/04	19.91	1974.32
MW-9		10/5/00	NI	NI
	1992.26	9/24/02	18.46	1973.80
		5/7/03	19.15	1973.11
	1992.26*	9/24/03	19.02	1973.24
		1/14/04	19.05	1973.21
MW-10		10/5/00	NI	NI
	1983.81	9/24/02	18.51	1965.30
		5/7/03	18.65	1965.16
	1983.80*	9/24/03	19.45	1964.35
		1/13/04	20.32	1963.48
MW-11		10/5/00	NI	NI
	1980.24	9/24/02	24.22	1956.02
		5/7/03	24.25	1955.99
	1980.24*	9/24/03	25.62	1954.62
		1/13/04	26.22	1954.02
MW-12		10/5/00	NI	NI
	1996.59	9/24/02	14.90	1981.69
		5/7/03	15.07	1981.52
	1996.50*	9/24/03	15.30	1981.20
		1/14/04	15.40	1981.10
MW-13		10/5/00	NI	NI
		9/24/02	NI	NI
	1984.23	5/7/03	17.25	1966.98
	1984.20*	9/24/03	17.60	1966.60
		1/13/04	18.00	1966.20
MW-14		10/5/00	NI	NI
		9/24/02	NI	NI
		5/7/03	NI	NI
		9/24/03	NI	NI
	1987.89	1/13/04	18.35	1969.54
MW-15		10/5/00	NI	NI
		9/24/02	NI	NI
		5/7/03	NI	NI
		9/24/03	NI	NI
	1983.28	1/13/04	15.60	1967.68
MW-16		10/5/00	NI	NI
		9/24/02	NI	NI
		5/7/03	NI	NI

Well ID	Top of Casing Elevation (Feet MSL)	Date	Depth to Groundwater Level (Feet)	Groundwater Elevation (Feet MSL)
		9/24/03	NI	NI
	1980.63	1/13/04	26.22	1954.41
MW-19		10/5/00	NI	NI
		9/24/02	NI	NI
		5/7/03	NI	NI
		9/24/03	NI	NI
	1980.26	1/13/04	25.65	1954.61
MW-20		10/5/00	NI	NI
		9/24/02	NI	NI
		5/7/03	NI	NI
		9/24/03	NI	NI
	1979.99	1/13/04	25.50	1954.49
MW-21		10/5/00	NI	NI
		9/24/02	NI	NI
		5/7/03	NI	NI
		9/24/03	NI	NI
	1979.56	1/13/04	24.72	1954.84

* All wells re-surveyed in September 2003

Table A-2: Historical Groundwater Sample Analytical Results

Well ID	Date	EPA Method 8260B					
		PCE (µg/l)	TCE (µg/l)	Cis-1,2-Dichloroethene (µg/l)	Vinyl Chloride (µg/l)	Acetone (µg/l)	Chloroform (µg/l)
MW-1	8/14/00	2,300	ND	ND	ND	ND	ND
	10/5/00	NS	NS	NS	NS	NS	NS
	9/24/02	2,000	ND	ND	ND	ND	6.7
	5/7/03	870	ND	ND	ND	NA	ND
	9/24/03	2,300	ND	ND	ND	NA	ND
	1/14/04	1,700	ND	ND	ND	NA	ND
MW-2	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	3,000	18	18	ND	ND	ND
	9/24/02	3,000	13	13	ND	ND	ND
	5/7/03	1,400	ND	ND	ND	NA	ND
	9/24/03	1,700	ND	ND	ND	NA	ND
	1/13/04	1,700	ND	ND	ND	NA	ND
MW-3	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	98	ND	ND	ND	ND	8.3
	9/24/02	ND	ND	ND	ND	ND	13
	5/7/03	6.9	ND	ND	ND	NA	6.3
	9/24/03	12	ND	ND	ND	NA	6.5
	1/13/04	6.7	ND	ND	ND	NA	7.0
MW-4	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	14	ND	ND	ND	ND	ND
	9/24/02	25	ND	ND	ND	ND	ND
	5/7/03	24	ND	ND	ND	NA	3
	9/24/03	100	ND	ND	ND	NA	2.6
	1/13/04	220	ND	ND	ND	NA	3.9
MW-5	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	100	ND	ND	ND	ND	ND
	9/24/02	110	ND	ND	ND	ND	5.6
	5/7/03	240	ND	ND	ND	NA	ND
	9/24/03	220	ND	ND	ND	ND	3.5
	1/13/04	370	ND	ND	ND	ND	4.5
MW-6	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	2,200	13	8.1	ND	ND	ND
	9/24/02	1,000	41	14	14	ND	ND
	5/7/03	710	22	ND	ND	NA	ND
	9/24/03	1,300	ND	ND	ND	NA	ND
	1/13/04	2,400	ND	ND	ND	NA	ND
MW-7	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI

Well ID	Date	EPA Method 8260B					
		PCE (µg/l)	TCE (µg/l)	Cis-1,2-Dichloroethene (µg/l)	Vinyl Chloride (µg/l)	Acetone (µg/l)	Chloroform (µg/l)
	9/24/02	ND	ND	ND	ND	ND	ND
	5/7/03	1.7	ND	ND	ND	NA	2.8
	9/24/03	2	ND	ND	ND	NA	3
	1/13/04	11	ND	ND	ND	NA	3.1
MW-8	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	5.4	ND	ND	ND	ND	6.4
	5/7/03	3.2	ND	ND	ND	NA	4.5
	9/24/03	3.7	ND	ND	ND	NA	4.9
	1/14/04	4.7	ND	ND	ND	NA	4.6
MW-9	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	670	ND	ND	ND	43	ND
	5/7/03	59	ND	ND	ND	NA	ND
	9/24/03	9.2	ND	ND	ND	NA	ND
	1/14/04	10	ND	ND	ND	NA	ND
MW-10	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	ND	ND	ND	ND	ND	ND
	5/7/03	ND	ND	ND	ND	NA	ND
	9/24/03	15	ND	ND	ND	NA	ND
	1/13/04	ND	ND	ND	ND	NA	ND
MW-11	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	ND	ND	ND	ND	58	ND
	5/7/03	ND	ND	ND	ND	NA	ND
	9/24/03	NS	NS	NS	NS	NS	NS
MW-12	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	ND	ND	ND	ND	ND	ND
	5/7/03	1.3	ND	ND	ND	NA	3
	9/24/03	14	ND	ND	ND	NA	2.8
	1/14/04	6.1	ND	ND	ND	NA	4.1
MW-13	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	NI	NI	NI	NI	NI	NI
	5/7/03	2,100	ND	ND	ND	NA	ND
	9/24/03	2,800	ND	ND	ND	NA	ND
	1/13/04	2,700	ND	ND	ND	NA	NA
MW-14	8/14/00	NI	NI	NI	NI	NI	NI

Well ID	Date	EPA Method 8260B					
		PCE (µg/l)	TCE (µg/l)	Cis-1,2-Dichloroethene (µg/l)	Vinyl Chloride (µg/l)	Acetone (µg/l)	Chloroform (µg/l)
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	NI	NI	NI	NI	NI	NI
	5/7/03	NI	NI	NI	NI	NI	NI
	9/24/03	NI	NI	NI	NI	NI	NI
	1/13/04	2,100	ND	ND	ND	NA	ND
MW-15	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	NI	NI	NI	NI	NI	NI
	5/7/03	NI	NI	NI	NI	NI	NI
	9/24/03	NI	NI	NI	NI	NI	NI
	1/13/04	2.7	ND	ND	ND	NA	1.4
MW-16	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	NI	NI	NI	NI	NI	NI
	5/7/03	NI	NI	NI	NI	NI	NI
	9/24/03	NI	NI	NI	NI	NI	NI
	1/13/04	ND	ND	ND	ND	NA	ND
MW-19	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	NI	NI	NI	NI	NI	NI
	5/7/03	NI	NI	NI	NI	NI	NI
	9/24/03	NI	NI	NI	NI	NI	NI
	1/13/04	1,200	ND	ND	ND	NA	ND
MW-20	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	NI	NI	NI	NI	NI	NI
	5/7/03	NI	NI	NI	NI	NI	NI
	9/24/03	NI	NI	NI	NI	NI	NI
	1/13/04	290	2.8	ND	ND	NA	ND
MW-21	8/14/00	NI	NI	NI	NI	NI	NI
	10/5/00	NI	NI	NI	NI	NI	NI
	9/24/02	NI	NI	NI	NI	NI	NI
	5/7/03	NI	NI	NI	NI	NI	NI
	9/24/03	NI	NI	NI	NI	NI	NI
	1/13/04	55	ND	ND	ND	NA	ND

NA = Not Analyzed
ND = Not Detected
NI = Not Installed
NS = Not Sampled

Appendix B

004367 06 1Q04 KISHNER Maryland Square GW 3-22-04 ALM 52-57CS

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111343-01A
Client I.D. Number: MW-16

Sampled: 11/12/03
Received: 11/13/03
Analyzed: 11/14/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	ND	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	ND	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/14/03
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111343-02A
Client I.D. Number: MW-17

Sampled: 11/12/03
Received: 11/13/03
Analyzed: 11/14/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	ND	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	9.2	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

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11/14/03
Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111343-03A
Client I.D. Number: MW-18

Sampled: 11/12/03
Received: 11/13/03
Analyzed: 11/14/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	20 µg/L
2	Vinyl chloride	ND	5.0 µg/L
3	Chloroethane	ND	5.0 µg/L
4	Bromomethane	ND	5.0 µg/L
5	Trichlorofluoromethane	ND	5.0 µg/L
6	1,1-Dichloroethene	ND	5.0 µg/L
7	Dichloromethane	ND	20 µg/L
8	trans-1,2-Dichloroethene	ND	5.0 µg/L
9	1,1-Dichloroethane	ND	5.0 µg/L
10	cis-1,2-Dichloroethene	ND	5.0 µg/L
11	Chloroform	ND	5.0 µg/L
12	1,2-Dichloroethane	ND	5.0 µg/L
13	1,1,1-Trichloroethane	ND	5.0 µg/L
14	Carbon tetrachloride	ND	5.0 µg/L
15	Benzene	ND	2.5 µg/L
16	1,2-Dichloropropane	ND	5.0 µg/L
17	Trichloroethene	ND	5.0 µg/L
18	Bromodichloromethane	ND	5.0 µg/L
19	cis-1,3-Dichloropropene	ND	5.0 µg/L
20	trans-1,3-Dichloropropene	ND	5.0 µg/L
21	1,1,2-Trichloroethane	ND	5.0 µg/L
22	Toluene	ND	2.5 µg/L
23	Dibromochloromethane	ND	5.0 µg/L
24	Tetrachloroethene	390	5.0 µg/L
25	Chlorobenzene	ND	5.0 µg/L
26	Ethylbenzene	ND	2.5 µg/L
27	m,p-Xylene	ND	2.5 µg/L
28	Bromoform	ND	5.0 µg/L
29	o-Xylene	ND	2.5 µg/L
30	1,1,2,2-Tetrachloroethane	ND	5.0 µg/L
31	1,3-Dichlorobenzene	ND	5.0 µg/L
32	1,4-Dichlorobenzene	ND	5.0 µg/L
33	1,2-Dichlorobenzene	ND	5.0 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111343-04A
Client I.D. Number: MW-16

Sampled: 11/12/03
Received: 11/13/03
Analyzed: 11/14/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/Kg
2	Vinyl chloride	ND	20 µg/Kg
3	Chloroethane	ND	20 µg/Kg
4	Bromomethane	ND	20 µg/Kg
5	Trichlorofluoromethane	ND	20 µg/Kg
6	1,1-Dichloroethene	ND	20 µg/Kg
7	Dichloromethane	ND	40 µg/Kg
8	trans-1,2-Dichloroethene	ND	20 µg/Kg
9	1,1-Dichloroethane	ND	20 µg/Kg
10	cis-1,2-Dichloroethene	ND	20 µg/Kg
11	Chloroform	ND	20 µg/Kg
12	1,2-Dichloroethane	ND	20 µg/Kg
13	1,1,1-Trichloroethane	ND	20 µg/Kg
14	Carbon tetrachloride	ND	20 µg/Kg
15	Benzene	ND	20 µg/Kg
16	1,2-Dichloropropane	ND	20 µg/Kg
17	Trichloroethene	ND	20 µg/Kg
18	Bromodichloromethane	ND	20 µg/Kg
19	cis-1,3-Dichloropropene	ND	20 µg/Kg
20	trans-1,3-Dichloropropene	ND	20 µg/Kg
21	1,1,2-Trichloroethane	ND	20 µg/Kg
22	Toluene	ND	20 µg/Kg
23	Dibromochloromethane	ND	20 µg/Kg
24	Tetrachloroethene	ND	20 µg/Kg
25	Chlorobenzene	ND	20 µg/Kg
26	Ethylbenzene	ND	20 µg/Kg
27	m,p-Xylene	ND	20 µg/Kg
28	Bromoform	ND	20 µg/Kg
29	o-Xylene	ND	20 µg/Kg
30	1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
31	1,3-Dichlorobenzene	ND	20 µg/Kg
32	1,4-Dichlorobenzene	ND	20 µg/Kg
33	1,2-Dichlorobenzene	ND	20 µg/Kg

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

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ANALYTICAL REPORT

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Job#: 00-43367-06

Attn: Jason Dixon
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Alpha Analytical Number: CON03111343-05A
Client I.D. Number: MW-17

Sampled: 11/12/03
Received: 11/13/03
Analyzed: 11/14/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/Kg
2	Vinyl chloride	ND	20 µg/Kg
3	Chloroethane	ND	20 µg/Kg
4	Bromomethane	ND	20 µg/Kg
5	Trichlorofluoromethane	ND	20 µg/Kg
6	1,1-Dichloroethene	ND	20 µg/Kg
7	Dichloromethane	ND	40 µg/Kg
8	trans-1,2-Dichloroethene	ND	20 µg/Kg
9	1,1-Dichloroethane	ND	20 µg/Kg
10	cis-1,2-Dichloroethene	ND	20 µg/Kg
11	Chloroform	ND	20 µg/Kg
12	1,2-Dichloroethane	ND	20 µg/Kg
13	1,1,1-Trichloroethane	ND	20 µg/Kg
14	Carbon tetrachloride	ND	20 µg/Kg
15	Benzene	ND	20 µg/Kg
16	1,2-Dichloropropane	ND	20 µg/Kg
17	Trichloroethene	ND	20 µg/Kg
18	Bromodichloromethane	ND	20 µg/Kg
19	cis-1,3-Dichloropropene	ND	20 µg/Kg
20	trans-1,3-Dichloropropene	ND	20 µg/Kg
21	1,1,2-Trichloroethane	ND	20 µg/Kg
22	Toluene	ND	20 µg/Kg
23	Dibromochloromethane	ND	20 µg/Kg
24	Tetrachloroethene	ND	20 µg/Kg
25	Chlorobenzene	ND	20 µg/Kg
26	Ethylbenzene	ND	20 µg/Kg
27	m,p-Xylene	ND	20 µg/Kg
28	Bromoform	ND	20 µg/Kg
29	o-Xylene	ND	20 µg/Kg
30	1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
31	1,3-Dichlorobenzene	ND	20 µg/Kg
32	1,4-Dichlorobenzene	ND	20 µg/Kg
33	1,2-Dichlorobenzene	ND	20 µg/Kg

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

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11/14/03
Report Date

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ANALYTICAL REPORT

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Las Vegas, Nevada 89119
Job#: 00-43367-06

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111343-06A
Client I.D. Number: MW-18

Sampled: 11/12/03
Received: 11/13/03
Analyzed: 11/14/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/Kg
2	Vinyl chloride	ND	20 µg/Kg
3	Chloroethane	ND	20 µg/Kg
4	Bromomethane	ND	20 µg/Kg
5	Trichlorofluoromethane	ND	20 µg/Kg
6	1,1-Dichloroethene	ND	20 µg/Kg
7	Dichloromethane	ND	40 µg/Kg
8	trans-1,2-Dichloroethene	ND	20 µg/Kg
9	1,1-Dichloroethane	ND	20 µg/Kg
10	cis-1,2-Dichloroethene	ND	20 µg/Kg
11	Chloroform	ND	20 µg/Kg
12	1,2-Dichloroethane	ND	20 µg/Kg
13	1,1,1-Trichloroethane	ND	20 µg/Kg
14	Carbon tetrachloride	ND	20 µg/Kg
15	Benzene	ND	20 µg/Kg
16	1,2-Dichloropropane	ND	20 µg/Kg
17	Trichloroethene	ND	20 µg/Kg
18	Bromodichloromethane	ND	20 µg/Kg
19	cis-1,3-Dichloropropene	ND	20 µg/Kg
20	trans-1,3-Dichloropropene	ND	20 µg/Kg
21	1,1,2-Trichloroethane	ND	20 µg/Kg
22	Toluene	ND	20 µg/Kg
23	Dibromochloromethane	ND	20 µg/Kg
24	Tetrachloroethene	ND	20 µg/Kg
25	Chlorobenzene	ND	20 µg/Kg
26	Ethylbenzene	ND	20 µg/Kg
27	m,p-Xylene	ND	20 µg/Kg
28	Bromoform	ND	20 µg/Kg
29	o-Xylene	ND	20 µg/Kg
30	1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
31	1,3-Dichlorobenzene	ND	20 µg/Kg
32	1,4-Dichlorobenzene	ND	20 µg/Kg
33	1,2-Dichlorobenzene	ND	20 µg/Kg

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Wichita, KS • (316) 722-5890 / info@alpha-analytical.com

11/14/03
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111343-07A
Client I.D. Number: MW-19

Sampled: 11/12/03
Received: 11/13/03
Analyzed: 11/14/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/Kg
2	Vinyl chloride	ND	20 µg/Kg
3	Chloroethane	ND	20 µg/Kg
4	Bromomethane	ND	20 µg/Kg
5	Trichlorofluoromethane	ND	20 µg/Kg
6	1,1-Dichloroethene	ND	20 µg/Kg
7	Dichloromethane	ND	40 µg/Kg
8	trans-1,2-Dichloroethene	ND	20 µg/Kg
9	1,1-Dichloroethane	ND	20 µg/Kg
10	cis-1,2-Dichloroethene	ND	20 µg/Kg
11	Chloroform	ND	20 µg/Kg
12	1,2-Dichloroethane	ND	20 µg/Kg
13	1,1,1-Trichloroethane	ND	20 µg/Kg
14	Carbon tetrachloride	ND	20 µg/Kg
15	Benzene	ND	20 µg/Kg
16	1,2-Dichloropropane	ND	20 µg/Kg
17	Trichloroethene	ND	20 µg/Kg
18	Bromodichloromethane	ND	20 µg/Kg
19	cis-1,3-Dichloropropene	ND	20 µg/Kg
20	trans-1,3-Dichloropropene	ND	20 µg/Kg
21	1,1,2-Trichloroethane	ND	20 µg/Kg
22	Toluene	ND	20 µg/Kg
23	Dibromochloromethane	ND	20 µg/Kg
24	Tetrachloroethene	51	20 µg/Kg
25	Chlorobenzene	ND	20 µg/Kg
26	Ethylbenzene	ND	20 µg/Kg
27	m,p-Xylene	ND	20 µg/Kg
28	Bromoform	ND	20 µg/Kg
29	o-Xylene	ND	20 µg/Kg
30	1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
31	1,3-Dichlorobenzene	ND	20 µg/Kg
32	1,4-Dichlorobenzene	ND	20 µg/Kg
33	1,2-Dichlorobenzene	ND	20 µg/Kg

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

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11/14/03
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC pH Report

Work Order CON03111343 **Project:** 00-43367-06

Alpha's Sample ID	Client's Sample ID	Matrix	pH
03111343-01A	MW-16	Aqueous	2
03111343-02A	MW-17	Aqueous	2
03111343-03A	MW-18	Aqueous	2

11/14/03

Report Date

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address: CONVERSE

Project/PO Number: 00-43367-06

Project Manager: JASON DIXON

Phone Number:

Sampler: M. Schmidt

Fax Number:

Analysis Required: NV

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	Full 8260								Special Instructions (CONC311343)
MW-16	AQ	VOA	3	11/12/03 0210	HCL	X								-01
MW-17	AQ	↓	↓	11/12/03 0430	↓	X								-02
MW-18	AQ	↓	↓	11/12/03 0547	↓	X								-03
MW-16	SL	4oz	1	11/12/03 0194	N/A	X								-04
MW-17	↓	↓	↓	11/12/03 0345	↓	X								-05
MW-18	↓	↓	↓	11/12/03 0459	↓	X								-06
MW-19	↓	↓	↓	11/12/03 0620	↓	X								-07

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	11/12/03 0745	[signature]	11/12/03 9:40
[signature]	11/12/03 4:00	D. Baker	11/13/03 1310

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☐ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☐ On ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06/Kishner-Maryland Square

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111845-01A
Client I.D. Number: MW-14 @ 14ft.

Sampled: 11/14/03
Received: 11/18/03
Analyzed: 11/19/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/Kg	26	Ethylbenzene	ND	20 µg/Kg
2	Vinyl chloride	ND	20 µg/Kg	27	m,p-Xylene	ND	20 µg/Kg
3	Chloroethane	ND	20 µg/Kg	28	Bromoform	ND	20 µg/Kg
4	Bromomethane	ND	20 µg/Kg	29	o-Xylene	ND	20 µg/Kg
5	Trichlorofluoromethane	ND	20 µg/Kg	30	1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
6	1,1-Dichloroethene	ND	20 µg/Kg	31	1,3-Dichlorobenzene	ND	20 µg/Kg
7	Dichloromethane	ND	40 µg/Kg	32	1,4-Dichlorobenzene	ND	20 µg/Kg
8	trans-1,2-Dichloroethene	ND	20 µg/Kg	33	1,2-Dichlorobenzene	ND	20 µg/Kg
9	1,1-Dichloroethane	ND	20 µg/Kg				
10	cis-1,2-Dichloroethene	ND	20 µg/Kg				
11	Chloroform	ND	20 µg/Kg				
12	1,2-Dichloroethane	ND	20 µg/Kg				
13	1,1,1-Trichloroethane	ND	20 µg/Kg				
14	Carbon tetrachloride	ND	20 µg/Kg				
15	Benzene	ND	20 µg/Kg				
16	1,2-Dichloropropane	ND	20 µg/Kg				
17	Trichloroethene	ND	20 µg/Kg				
18	Bromodichloromethane	ND	20 µg/Kg				
19	cis-1,3-Dichloropropene	ND	20 µg/Kg				
20	trans-1,3-Dichloropropene	ND	20 µg/Kg				
21	1,1,2-Trichloroethane	ND	20 µg/Kg				
22	Toluene	ND	20 µg/Kg				
23	Dibromochloromethane	ND	20 µg/Kg				
24	Tetrachloroethene	ND	20 µg/Kg				
25	Chlorobenzene	ND	20 µg/Kg				

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/24/03
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06/Kishner-Maryland Square

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111845-03A
Client I.D. Number: MW-20

Sampled: 11/14/03
Received: 11/18/03
Analyzed: 11/19/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/Kg
2	Vinyl chloride	ND	20 µg/Kg
3	Chloroethane	ND	20 µg/Kg
4	Bromomethane	ND	20 µg/Kg
5	Trichlorofluoromethane	ND	20 µg/Kg
6	1,1-Dichloroethene	ND	20 µg/Kg
7	Dichloromethane	ND	40 µg/Kg
8	trans-1,2-Dichloroethene	ND	20 µg/Kg
9	1,1-Dichloroethane	ND	20 µg/Kg
10	cis-1,2-Dichloroethene	ND	20 µg/Kg
11	Chloroform	ND	20 µg/Kg
12	1,2-Dichloroethane	ND	20 µg/Kg
13	1,1,1-Trichloroethane	ND	20 µg/Kg
14	Carbon tetrachloride	ND	20 µg/Kg
15	Benzene	ND	20 µg/Kg
16	1,2-Dichloropropane	ND	20 µg/Kg
17	Trichloroethene	ND	20 µg/Kg
18	Bromodichloromethane	ND	20 µg/Kg
19	cis-1,3-Dichloropropene	ND	20 µg/Kg
20	trans-1,3-Dichloropropene	ND	20 µg/Kg
21	1,1,2-Trichloroethane	ND	20 µg/Kg
22	Toluene	ND	20 µg/Kg
23	Dibromochloromethane	ND	20 µg/Kg
24	Tetrachloroethene	ND	20 µg/Kg
25	Chlorobenzene	ND	20 µg/Kg
26	Ethylbenzene	ND	20 µg/Kg
27	m,p-Xylene	ND	20 µg/Kg
28	Bromoform	ND	20 µg/Kg
29	o-Xylene	ND	20 µg/Kg
30	1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
31	1,3-Dichlorobenzene	ND	20 µg/Kg
32	1,4-Dichlorobenzene	ND	20 µg/Kg
33	1,2-Dichlorobenzene	ND	20 µg/Kg

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Wichita, KS • (316) 722-5890 / info@alpha-analytical.com

11/24/03
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06/Kishner-Maryland Square

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111845-02A
Client I.D. Number: MW-21

Sampled: 11/14/03
Received: 11/18/03
Analyzed: 11/19/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit		Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/Kg	26	Ethylbenzene	ND	20 µg/Kg
2	Vinyl chloride	ND	20 µg/Kg	27	m,p-Xylene	ND	20 µg/Kg
3	Chloroethane	ND	20 µg/Kg	28	Bromoform	ND	20 µg/Kg
4	Bromomethane	ND	20 µg/Kg	29	o-Xylene	ND	20 µg/Kg
5	Trichlorofluoromethane	ND	20 µg/Kg	30	1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
6	1,1-Dichloroethene	ND	20 µg/Kg	31	1,3-Dichlorobenzene	ND	20 µg/Kg
7	Dichloromethane	ND	40 µg/Kg	32	1,4-Dichlorobenzene	ND	20 µg/Kg
8	trans-1,2-Dichloroethene	ND	20 µg/Kg	33	1,2-Dichlorobenzene	ND	20 µg/Kg
9	1,1-Dichloroethane	ND	20 µg/Kg				
10	cis-1,2-Dichloroethene	ND	20 µg/Kg				
11	Chloroform	ND	20 µg/Kg				
12	1,2-Dichloroethane	ND	20 µg/Kg				
13	1,1,1-Trichloroethane	ND	20 µg/Kg				
14	Carbon tetrachloride	ND	20 µg/Kg				
15	Benzene	ND	20 µg/Kg				
16	1,2-Dichloropropane	ND	20 µg/Kg				
17	Trichloroethene	ND	20 µg/Kg				
18	Bromodichloromethane	ND	20 µg/Kg				
19	cis-1,3-Dichloropropene	ND	20 µg/Kg				
20	trans-1,3-Dichloropropene	ND	20 µg/Kg				
21	1,1,2-Trichloroethane	ND	20 µg/Kg				
22	Toluene	ND	20 µg/Kg				
23	Dibromochloromethane	ND	20 µg/Kg				
24	Tetrachloroethene	ND	20 µg/Kg				
25	Chlorobenzene	ND	20 µg/Kg				

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/24/03
Report Date

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address: Kishner - Maryland Square

Project/PO Number: 00-43367-06

Project Manager: Jay Dixon

Phone Number:

Sampler: Jeff Jones

Fax Number:

Analysis Required: 8260-(Full)

NV

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	8260-(Full)	Special Instructions
MW-14 @ 14'	Soil	Brass Sleeve	1	11-14, 0645	N/A	✓	CONO311845 -01
MW-21	Soil	Jar	1	11-14,	N/A	✓	-07
MW-20	Soil	Jar	1	11-14,	N/A	✓	-03

Relinquished By:	Date/Time:	Received By:	Date/Time:
Jeff Jones	11/14/03	J. Oppenheim	11/14/03 1021
J. Oppenheim	11/17/03 1604	D. Baker	11/18/03 1325

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☑ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☐ On ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06/ Kishner-Maryland Square

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111426-02A
Client I.D. Number: MW-19

Sampled: 11/14/03
Received: 11/14/03
Analyzed: 11/14/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/L
2	Vinyl chloride	ND	10 µg/L
3	Chloroethane	ND	10 µg/L
4	Bromomethane	ND	10 µg/L
5	Trichlorofluoromethane	ND	10 µg/L
6	1,1-Dichloroethene	ND	10 µg/L
7	Dichloromethane	ND	40 µg/L
8	trans-1,2-Dichloroethene	ND	10 µg/L
9	1,1-Dichloroethane	ND	10 µg/L
10	cis-1,2-Dichloroethene	ND	10 µg/L
11	Chloroform	ND	10 µg/L
12	1,2-Dichloroethane	ND	10 µg/L
13	1,1,1-Trichloroethane	ND	10 µg/L
14	Carbon tetrachloride	ND	10 µg/L
15	Benzene	ND	5.0 µg/L
16	1,2-Dichloropropane	ND	10 µg/L
17	Trichloroethene	ND	10 µg/L
18	Bromodichloromethane	ND	10 µg/L
19	cis-1,3-Dichloropropene	ND	10 µg/L
20	trans-1,3-Dichloropropene	ND	10 µg/L
21	1,1,2-Trichloroethane	ND	10 µg/L
22	Toluene	ND	5.0 µg/L
23	Dibromochloromethane	ND	10 µg/L
24	Tetrachloroethene	710	10 µg/L
25	Chlorobenzene	ND	10 µg/L
26	Ethylbenzene	ND	5.0 µg/L
27	m,p-Xylene	ND	5.0 µg/L
28	Bromoform	ND	10 µg/L
29	o-Xylene	ND	5.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	10 µg/L
31	1,3-Dichlorobenzene	ND	10 µg/L
32	1,4-Dichlorobenzene	ND	10 µg/L
33	1,2-Dichlorobenzene	ND	10 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/17/03
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06/ Kishner-Maryland Square

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111426-01A
Client I.D. Number: MW-20

Sampled: 11/14/03
Received: 11/14/03
Analyzed: 11/14/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/L
2	Vinyl chloride	ND	10 µg/L
3	Chloroethane	ND	10 µg/L
4	Bromomethane	ND	10 µg/L
5	Trichlorofluoromethane	ND	10 µg/L
6	1,1-Dichloroethene	ND	10 µg/L
7	Dichloromethane	ND	40 µg/L
8	trans-1,2-Dichloroethene	ND	10 µg/L
9	1,1-Dichloroethane	ND	10 µg/L
10	cis-1,2-Dichloroethene	ND	10 µg/L
11	Chloroform	ND	10 µg/L
12	1,2-Dichloroethane	ND	10 µg/L
13	1,1,1-Trichloroethane	ND	10 µg/L
14	Carbon tetrachloride	ND	10 µg/L
15	Benzene	ND	5.0 µg/L
16	1,2-Dichloropropane	ND	10 µg/L
17	Trichloroethene	ND	10 µg/L
18	Bromodichloromethane	ND	10 µg/L
19	cis-1,3-Dichloropropene	ND	10 µg/L
20	trans-1,3-Dichloropropene	ND	10 µg/L
21	1,1,2-Trichloroethane	ND	10 µg/L
22	Toluene	ND	5.0 µg/L
23	Dibromochloromethane	ND	10 µg/L
24	Tetrachloroethene	1,200	10 µg/L
25	Chlorobenzene	ND	10 µg/L
26	Ethylbenzene	ND	5.0 µg/L
27	m,p-Xylene	ND	5.0 µg/L
28	Bromoform	ND	10 µg/L
29	o-Xylene	ND	5.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	10 µg/L
31	1,3-Dichlorobenzene	ND	10 µg/L
32	1,4-Dichlorobenzene	ND	10 µg/L
33	1,2-Dichlorobenzene	ND	10 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/17/03
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-06/ Kishner-Maryland Square

Attn: Jason Dixon
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111426-03A
Client I.D. Number: MW-21

Sampled: 11/14/03
Received: 11/14/03
Analyzed: 11/14/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	ND	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	23	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Wichita, KS • (316) 722-5890 / info@alpha-analytical.com

11/17/03
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC pH Report

Work Order CON03111426 **Project:** 00-43367-06/ Kishner-Maryland Square

Alpha's Sample ID	Client's Sample ID	Matrix	pH
03111426-01A	MW-20	Aqueous	7
03111426-02A	MW-19	Aqueous	7
03111426-03A	MW-21	Aqueous	7

11/17/03

Report Date

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address: Kishner-Maryland Square

Project/PO Number: OD-43367-06

Project Manager: Jay Dixon

Phone Number:

Sampler: JEFF JONES

Fax Number:

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	8260 (Fill)									Special Instructions
MW-20	AQ	VOA	3	11/14, 0800	HCL	✓									03111426-01
MW-19	AQ	VOA	3	11/14 0200	HCL	✓									02
MW-21	AQ	VOA	3	11/14 3:15	HCL	✓									03

LV 24hr.

Relinquished By:	Date/Time:	Received By:	Date/Time:
JEFF JONES	11/14/03	Y. Oppenheim	11/14/03 1021
Jeff Jones	11/14/03 1037	Graciela Moreno	11/14/03 @ 2:30

Turnaround Time: (Check)
- ☑ Same day
- ☑ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☐ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☐ On ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#:

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03111843-01A
Client I.D. Number: MW-15 @ 17ft.

Sampled: 11/17/03
Received: 11/18/03
Analyzed: 11/19/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/Kg
2	Vinyl chloride	ND	20 µg/Kg
3	Chloroethane	ND	20 µg/Kg
4	Bromomethane	ND	20 µg/Kg
5	Trichlorofluoromethane	ND	20 µg/Kg
6	1,1-Dichloroethene	ND	20 µg/Kg
7	Dichloromethane	ND	40 µg/Kg
8	trans-1,2-Dichloroethene	ND	20 µg/Kg
9	1,1-Dichloroethane	ND	20 µg/Kg
10	cis-1,2-Dichloroethene	ND	20 µg/Kg
11	Chloroform	ND	20 µg/Kg
12	1,2-Dichloroethane	ND	20 µg/Kg
13	1,1,1-Trichloroethane	ND	20 µg/Kg
14	Carbon tetrachloride	ND	20 µg/Kg
15	Benzene	ND	20 µg/Kg
16	1,2-Dichloropropane	ND	20 µg/Kg
17	Trichloroethene	ND	20 µg/Kg
18	Bromodichloromethane	ND	20 µg/Kg
19	cis-1,3-Dichloropropene	ND	20 µg/Kg
20	trans-1,3-Dichloropropene	ND	20 µg/Kg
21	1,1,2-Trichloroethane	ND	20 µg/Kg
22	Toluene	ND	20 µg/Kg
23	Dibromochloromethane	ND	20 µg/Kg
24	Tetrachloroethene	ND	20 µg/Kg
25	Chlorobenzene	ND	20 µg/Kg
26	Ethylbenzene	ND	20 µg/Kg
27	m,p-Xylene	ND	20 µg/Kg
28	Bromoform	ND	20 µg/Kg
29	o-Xylene	ND	20 µg/Kg
30	1,1,2,2-Tetrachloroethane	ND	20 µg/Kg
31	1,3-Dichlorobenzene	ND	20 µg/Kg
32	1,4-Dichlorobenzene	ND	20 µg/Kg
33	1,2-Dichlorobenzene	ND	20 µg/Kg

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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11/24/03
Report Date

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address:

Project/PO Number:

Project Manager: Andrea Moericke

Phone Number:

Sampler: JMD

Fax Number:

Analysis Required: NV

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	8260 (Full)									Special Instructions: CoN03111843
MW-15 @ 17'	SOIL	JAR	1	11/17/03 0730	N/A	✓									-01

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	11/17/03 0902	[signature]	11/17/03 0941
[signature]	11/17/03 1604	[signature]	11/18/03 1900

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☑ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☐ On ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Alpha Analytical, Inc.
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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square Re-Sample

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03112647-01A
Client I.D. Number: MW16

Sampled: 11/25/03
Received: 11/26/03
Analyzed: 12/01/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	ND	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	ND	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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12/2/03
Report Date

Alpha Analytical, Inc.
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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square Re-Sample

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03112647-02A
Client I.D. Number: MW19

Sampled: 11/25/03
Received: 11/26/03
Analyzed: 12/02/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/L
2	Vinyl chloride	ND	10 µg/L
3	Chloroethane	ND	10 µg/L
4	Bromomethane	ND	10 µg/L
5	Trichlorofluoromethane	ND	10 µg/L
6	1,1-Dichloroethene	ND	10 µg/L
7	Dichloromethane	ND	40 µg/L
8	trans-1,2-Dichloroethene	ND	10 µg/L
9	1,1-Dichloroethane	ND	10 µg/L
10	cis-1,2-Dichloroethene	ND	10 µg/L
11	Chloroform	ND	10 µg/L
12	1,2-Dichloroethane	ND	10 µg/L
13	1,1,1-Trichloroethane	ND	10 µg/L
14	Carbon tetrachloride	ND	10 µg/L
15	Benzene	ND	5.0 µg/L
16	1,2-Dichloropropane	ND	10 µg/L
17	Trichloroethene	ND	10 µg/L
18	Bromodichloromethane	ND	10 µg/L
19	cis-1,3-Dichloropropene	ND	10 µg/L
20	trans-1,3-Dichloropropene	ND	10 µg/L
21	1,1,2-Trichloroethane	ND	10 µg/L
22	Toluene	ND	5.0 µg/L
23	Dibromochloromethane	ND	10 µg/L
24	Tetrachloroethene	1,100	10 µg/L
25	Chlorobenzene	ND	10 µg/L
26	Ethylbenzene	ND	5.0 µg/L
27	m,p-Xylene	ND	5.0 µg/L
28	Bromoform	ND	10 µg/L
29	o-Xylene	ND	5.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	10 µg/L
31	1,3-Dichlorobenzene	ND	10 µg/L
32	1,4-Dichlorobenzene	ND	10 µg/L
33	1,2-Dichlorobenzene	ND	10 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R. Scholl Randy Gardner Walter Hinchman

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12/2/03
Report Date

Alpha Analytical, Inc.
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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square Re-Sample

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03112647-03A
Client I.D. Number: MW20

Sampled: 11/25/03
Received: 11/26/03
Analyzed: 12/02/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	20 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	Benzene	ND	10 µg/L
16	1,2-Dichloropropane	ND	20 µg/L
17	Trichloroethene	ND	20 µg/L
18	Bromodichloromethane	ND	20 µg/L
19	cis-1,3-Dichloropropene	ND	20 µg/L
20	trans-1,3-Dichloropropene	ND	20 µg/L
21	1,1,2-Trichloroethane	ND	20 µg/L
22	Toluene	ND	10 µg/L
23	Dibromochloromethane	ND	20 µg/L
24	Tetrachloroethene	1,800	20 µg/L
25	Chlorobenzene	ND	20 µg/L
26	Ethylbenzene	ND	10 µg/L
27	m,p-Xylene	ND	10 µg/L
28	Bromoform	ND	20 µg/L
29	o-Xylene	ND	10 µg/L
30	1,1,2,2-Tetrachloroethane	ND	20 µg/L
31	1,3-Dichlorobenzene	ND	20 µg/L
32	1,4-Dichlorobenzene	ND	20 µg/L
33	1,2-Dichlorobenzene	ND	20 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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12/2/03
Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square Re-Sample

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03112647-04A
Client I.D. Number: MW21

Sampled: 11/25/03
Received: 11/26/03
Analyzed: 12/01/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	ND	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	51	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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12/2/03
Report Date

Alpha Analytical, Inc.
255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC pH Report

Work Order: CON03112647 **Project:** Maryland Square Re-Sample

Alpha's Sample ID	Client's Sample ID	Matrix	pH
03112647-01A	MW16	Aqueous	2
03112647-02A	MW19	Aqueous	2
03112647-03A	MW20	Aqueous	7
03112647-04A	MW21	Aqueous	2

12/2/03
Report Date

ATPHA

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address: Converse

Project/PO Number: Mesquite Square Re Sample

Project Manager: Andrea Monlich

Phone Number:

Sampler: E.B

Fax Number:

Analysis Required: NV

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	8260 full Lamb									Special Instructions
MW16	AQ	VOA	3	11/25/03 0840	HCL	X									-01
MW19	↓	↓	↓	0847	↓	X									-02
MW20	↓	↓	↓	0852	↓	X									-03
MW21	↓	↓	↓	0855	↓	X									-04

CON03112647

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	11/25/03	[signature]	11/25/03 1005
[signature]	11/25/03 1625	[signature]	11/26/03 715

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☑ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☑ On ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 03-43532-01/Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03112842-01A
Client I.D. Number: MW14

Sampled: 11/26/03
Received: 11/28/03
Analyzed: 12/01/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	20 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	Benzene	ND	10 µg/L
16	1,2-Dichloropropane	ND	20 µg/L
17	Trichloroethene	ND	20 µg/L
18	Bromodichloromethane	ND	20 µg/L
19	cis-1,3-Dichloropropene	ND	20 µg/L
20	trans-1,3-Dichloropropene	ND	20 µg/L
21	1,1,2-Trichloroethane	ND	20 µg/L
22	Toluene	ND	10 µg/L
23	Dibromochloromethane	ND	20 µg/L
24	Tetrachloroethene	1,900	20 µg/L
25	Chlorobenzene	ND	20 µg/L
26	Ethylbenzene	ND	10 µg/L
27	m,p-Xylene	ND	10 µg/L
28	Bromoform	ND	20 µg/L
29	o-Xylene	ND	10 µg/L
30	1,1,2,2-Tetrachloroethane	ND	20 µg/L
31	1,3-Dichlorobenzene	ND	20 µg/L
32	1,4-Dichlorobenzene	ND	20 µg/L
33	1,2-Dichlorobenzene	ND	20 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R. Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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12/4/03
Report Date

Alpha Analytical, Inc.

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 03-43532-01/Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON03112842-02A
Client I.D. Number: MW15

Sampled: 11/26/03
Received: 11/28/03
Analyzed: 12/01/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	1.6	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	5.2	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Wichita, KS • (316) 722-5890 / info@alpha-analytical.com

12/4/03
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC pH Report

Work Order CON03112842 **Project:** 03-43532-01/Maryland Square

Alpha's Sample ID	Client's Sample ID	Matrix	pH
03112842-01A	MW14	Aqueous	2
03112842-02A	MW15	Aqueous	2

12/4/03

Report Date

AEPHA

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Page 1 of 1

NV

Client Name/Address: Converse

Project/PO Number: 03-43532-01 Maryland Square

Project Manager: Andrea Mochiche

Phone Number:

Sampler: EB

Fax Number:

Analysis Required

CON03112842

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	8260 Full Range									Special Instructions
MW14	AQ	VOA	3	11/26/03 1015	HCL	X									-01
MW15	AQ	↓	↓	11/26/03 1040	↓	X									-02

Relinquished By:	Date/Time:	Received By:	Date/Time:
EB	11/26/03	Y. Oppenheim	11/26/03 1229
[signature]	11/28/03 9:45	DSBakers	11/28/03 1345

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☑ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☑ On ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-14A
Client I.D. Number: MW1

Sampled: 01/14/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	20 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	Benzene	ND	10 µg/L
16	1,2-Dichloropropane	ND	20 µg/L
17	Trichloroethene	ND	20 µg/L
18	Bromodichloromethane	ND	20 µg/L
19	cis-1,3-Dichloropropene	ND	20 µg/L
20	trans-1,3-Dichloropropene	ND	20 µg/L
21	1,1,2-Trichloroethane	ND	20 µg/L
22	Toluene	ND	10 µg/L
23	Dibromochloromethane	ND	20 µg/L
24	Tetrachloroethene	1,700	20 µg/L
25	Chlorobenzene	ND	20 µg/L
26	Ethylbenzene	ND	10 µg/L
27	m,p-Xylene	ND	10 µg/L
28	Bromoform	ND	20 µg/L
29	o-Xylene	ND	10 µg/L
30	1,1,2,2-Tetrachloroethane	ND	20 µg/L
31	1,3-Dichlorobenzene	ND	20 µg/L
32	1,4-Dichlorobenzene	ND	20 µg/L
33	1,2-Dichlorobenzene	ND	20 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer

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1/21/04
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-01A
Client I.D. Number: MW2

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	20 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	Benzene	ND	10 µg/L
16	1,2-Dichloropropane	ND	20 µg/L
17	Trichloroethene	ND	20 µg/L
18	Bromodichloromethane	ND	20 µg/L
19	cis-1,3-Dichloropropene	ND	20 µg/L
20	trans-1,3-Dichloropropene	ND	20 µg/L
21	1,1,2-Trichloroethane	ND	20 µg/L
22	Toluene	ND	10 µg/L
23	Dibromochloromethane	ND	20 µg/L
24	Tetrachloroethene	1,700	20 µg/L
25	Chlorobenzene	ND	20 µg/L
26	Ethylbenzene	ND	10 µg/L
27	m,p-Xylene	ND	10 µg/L
28	Bromoform	ND	20 µg/L
29	o-Xylene	ND	10 µg/L
30	1,1,2,2-Tetrachloroethane	ND	20 µg/L
31	1,3-Dichlorobenzene	ND	20 µg/L
32	1,4-Dichlorobenzene	ND	20 µg/L
33	1,2-Dichlorobenzene	ND	20 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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1/21/04
Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-02A
Client I.D. Number: MW3

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	7.0	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	6.7	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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1/21/04
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-03A
Client I.D. Number: MW4

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	8.0 µg/L
2	Vinyl chloride	ND	2.0 µg/L
3	Chloroethane	ND	2.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	2.0 µg/L
6	1,1-Dichloroethene	ND	2.0 µg/L
7	Dichloromethane	ND	8.0 µg/L
8	trans-1,2-Dichloroethene	ND	2.0 µg/L
9	1,1-Dichloroethane	ND	2.0 µg/L
10	cis-1,2-Dichloroethene	ND	2.0 µg/L
11	Chloroform	3.9	2.0 µg/L
12	1,2-Dichloroethane	ND	2.0 µg/L
13	1,1,1-Trichloroethane	ND	2.0 µg/L
14	Carbon tetrachloride	ND	2.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	2.0 µg/L
17	Trichloroethene	ND	2.0 µg/L
18	Bromodichloromethane	ND	2.0 µg/L
19	cis-1,3-Dichloropropene	ND	2.0 µg/L
20	trans-1,3-Dichloropropene	ND	2.0 µg/L
21	1,1,2-Trichloroethane	ND	2.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	2.0 µg/L
24	Tetrachloroethene	220	2.0 µg/L
25	Chlorobenzene	ND	2.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	2.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
31	1,3-Dichlorobenzene	ND	2.0 µg/L
32	1,4-Dichlorobenzene	ND	2.0 µg/L
33	1,2-Dichlorobenzene	ND	2.0 µg/L

Some Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R. Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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1/21/04
Report Date

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(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-04A
Client I.D. Number: MW5

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	16 µg/L
2	Vinyl chloride	ND	4.0 µg/L
3	Chloroethane	ND	4.0 µg/L
4	Bromomethane	ND	4.0 µg/L
5	Trichlorofluoromethane	ND	4.0 µg/L
6	1,1-Dichloroethene	ND	4.0 µg/L
7	Dichloromethane	ND	16 µg/L
8	trans-1,2-Dichloroethene	ND	4.0 µg/L
9	1,1-Dichloroethane	ND	4.0 µg/L
10	cis-1,2-Dichloroethene	ND	4.0 µg/L
11	Chloroform	4.5	4.0 µg/L
12	1,2-Dichloroethane	ND	4.0 µg/L
13	1,1,1-Trichloroethane	ND	4.0 µg/L
14	Carbon tetrachloride	ND	4.0 µg/L
15	Benzene	ND	2.0 µg/L
16	1,2-Dichloropropane	ND	4.0 µg/L
17	Trichloroethene	ND	4.0 µg/L
18	Bromodichloromethane	ND	4.0 µg/L
19	cis-1,3-Dichloropropene	ND	4.0 µg/L
20	trans-1,3-Dichloropropene	ND	4.0 µg/L
21	1,1,2-Trichloroethane	ND	4.0 µg/L
22	Toluene	ND	2.0 µg/L
23	Dibromochloromethane	ND	4.0 µg/L
24	Tetrachloroethene	370	4.0 µg/L
25	Chlorobenzene	ND	4.0 µg/L
26	Ethylbenzene	ND	2.0 µg/L
27	m,p-Xylene	ND	2.0 µg/L
28	Bromoform	ND	4.0 µg/L
29	o-Xylene	ND	2.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	4.0 µg/L
31	1,3-Dichlorobenzene	ND	4.0 µg/L
32	1,4-Dichlorobenzene	ND	4.0 µg/L
33	1,2-Dichlorobenzene	ND	4.0 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R. Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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1/21/04
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-05A
Client I.D. Number: MW6

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	20 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	Benzene	ND	10 µg/L
16	1,2-Dichloropropane	ND	20 µg/L
17	Trichloroethene	ND	20 µg/L
18	Bromodichloromethane	ND	20 µg/L
19	cis-1,3-Dichloropropene	ND	20 µg/L
20	trans-1,3-Dichloropropene	ND	20 µg/L
21	1,1,2-Trichloroethane	ND	20 µg/L
22	Toluene	ND	10 µg/L
23	Dibromochloromethane	ND	20 µg/L
24	Tetrachloroethene	2,400	20 µg/L
25	Chlorobenzene	ND	20 µg/L
26	Ethylbenzene	ND	10 µg/L
27	m,p-Xylene	ND	10 µg/L
28	Bromoform	ND	20 µg/L
29	o-Xylene	ND	10 µg/L
30	1,1,2,2-Tetrachloroethane	ND	20 µg/L
31	1,3-Dichlorobenzene	ND	20 µg/L
32	1,4-Dichlorobenzene	ND	20 µg/L
33	1,2-Dichlorobenzene	ND	20 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R. Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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1/21/04
Report Date

Alpha Analytical, Inc.

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-15A
Client I.D. Number: MW7

Sampled: 01/14/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	3.1	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	11	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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1/21/04
Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-16A
Client I.D. Number: MW8

Sampled: 01/14/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	4.6	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	4.7	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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1/21/04
Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-17A
Client I.D. Number: MW9

Sampled: 01/14/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	ND	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	10	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-06A
Client I.D. Number: MW10

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	ND	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	ND	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-18A
Client I.D. Number: MW12

Sampled: 01/14/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	4.1	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	6.1	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-07A
Client I.D. Number: MW13

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	20 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	Benzene	ND	10 µg/L
16	1,2-Dichloropropane	ND	20 µg/L
17	Trichloroethene	ND	20 µg/L
18	Bromodichloromethane	ND	20 µg/L
19	cis-1,3-Dichloropropene	ND	20 µg/L
20	trans-1,3-Dichloropropene	ND	20 µg/L
21	1,1,2-Trichloroethane	ND	20 µg/L
22	Toluene	ND	10 µg/L
23	Dibromochloromethane	ND	20 µg/L
24	Tetrachloroethene	2,700	20 µg/L
25	Chlorobenzene	ND	20 µg/L
26	Ethylbenzene	ND	10 µg/L
27	m,p-Xylene	ND	10 µg/L
28	Bromoform	ND	20 µg/L
29	o-Xylene	ND	10 µg/L
30	1,1,2,2-Tetrachloroethane	ND	20 µg/L
31	1,3-Dichlorobenzene	ND	20 µg/L
32	1,4-Dichlorobenzene	ND	20 µg/L
33	1,2-Dichlorobenzene	ND	20 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R. Scholl Randy Gardner Walter Hinchman

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ANALYTICAL REPORT

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Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-08A
Client I.D. Number: MW14

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	80 µg/L
2	Vinyl chloride	ND	20 µg/L
3	Chloroethane	ND	20 µg/L
4	Bromomethane	ND	20 µg/L
5	Trichlorofluoromethane	ND	20 µg/L
6	1,1-Dichloroethene	ND	20 µg/L
7	Dichloromethane	ND	80 µg/L
8	trans-1,2-Dichloroethene	ND	20 µg/L
9	1,1-Dichloroethane	ND	20 µg/L
10	cis-1,2-Dichloroethene	ND	20 µg/L
11	Chloroform	ND	20 µg/L
12	1,2-Dichloroethane	ND	20 µg/L
13	1,1,1-Trichloroethane	ND	20 µg/L
14	Carbon tetrachloride	ND	20 µg/L
15	Benzene	ND	10 µg/L
16	1,2-Dichloropropane	ND	20 µg/L
17	Trichloroethene	ND	20 µg/L
18	Bromodichloromethane	ND	20 µg/L
19	cis-1,3-Dichloropropene	ND	20 µg/L
20	trans-1,3-Dichloropropene	ND	20 µg/L
21	1,1,2-Trichloroethane	ND	20 µg/L
22	Toluene	ND	10 µg/L
23	Dibromochloromethane	ND	20 µg/L
24	Tetrachloroethene	2,100	20 µg/L
25	Chlorobenzene	ND	20 µg/L
26	Ethylbenzene	ND	10 µg/L
27	m,p-Xylene	ND	10 µg/L
28	Bromoform	ND	20 µg/L
29	o-Xylene	ND	10 µg/L
30	1,1,2,2-Tetrachloroethane	ND	20 µg/L
31	1,3-Dichlorobenzene	ND	20 µg/L
32	1,4-Dichlorobenzene	ND	20 µg/L
33	1,2-Dichlorobenzene	ND	20 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R. Scholl Randy Gardner Walter Hinchman

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Report Date

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ANALYTICAL REPORT

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731 Pilot Road, Suite H
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Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
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Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-09A
Client I.D. Number: MW15

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	1.4	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	2.7	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
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Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-10A
Client I.D. Number: MW16

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	ND	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	ND	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-11A
Client I.D. Number: MW19

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	40 µg/L
2	Vinyl chloride	ND	10 µg/L
3	Chloroethane	ND	10 µg/L
4	Bromomethane	ND	10 µg/L
5	Trichlorofluoromethane	ND	10 µg/L
6	1,1-Dichloroethene	ND	10 µg/L
7	Dichloromethane	ND	40 µg/L
8	trans-1,2-Dichloroethene	ND	10 µg/L
9	1,1-Dichloroethane	ND	10 µg/L
10	cis-1,2-Dichloroethene	ND	10 µg/L
11	Chloroform	ND	10 µg/L
12	1,2-Dichloroethane	ND	10 µg/L
13	1,1,1-Trichloroethane	ND	10 µg/L
14	Carbon tetrachloride	ND	10 µg/L
15	Benzene	ND	5.0 µg/L
16	1,2-Dichloropropane	ND	10 µg/L
17	Trichloroethene	ND	10 µg/L
18	Bromodichloromethane	ND	10 µg/L
19	cis-1,3-Dichloropropene	ND	10 µg/L
20	trans-1,3-Dichloropropene	ND	10 µg/L
21	1,1,2-Trichloroethane	ND	10 µg/L
22	Toluene	ND	5.0 µg/L
23	Dibromochloromethane	ND	10 µg/L
24	Tetrachloroethene	1,200	10 µg/L
25	Chlorobenzene	ND	10 µg/L
26	Ethylbenzene	ND	5.0 µg/L
27	m,p-Xylene	ND	5.0 µg/L
28	Bromoform	ND	10 µg/L
29	o-Xylene	ND	5.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	10 µg/L
31	1,3-Dichlorobenzene	ND	10 µg/L
32	1,4-Dichlorobenzene	ND	10 µg/L
33	1,2-Dichlorobenzene	ND	10 µg/L

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R. Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Wichita, KS • (316) 722-5890 / info@alpha-analytical.com

1/21/04
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-12A
Client I.D. Number: MW20

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	8.0 µg/L
2	Vinyl chloride	ND	2.0 µg/L
3	Chloroethane	ND	2.0 µg/L
4	Bromomethane	ND	2.0 µg/L
5	Trichlorofluoromethane	ND	2.0 µg/L
6	1,1-Dichloroethene	ND	2.0 µg/L
7	Dichloromethane	ND	8.0 µg/L
8	trans-1,2-Dichloroethene	ND	2.0 µg/L
9	1,1-Dichloroethane	ND	2.0 µg/L
10	cis-1,2-Dichloroethene	ND	2.0 µg/L
11	Chloroform	ND	2.0 µg/L
12	1,2-Dichloroethane	ND	2.0 µg/L
13	1,1,1-Trichloroethane	ND	2.0 µg/L
14	Carbon tetrachloride	ND	2.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	2.0 µg/L
17	Trichloroethene	2.8	2.0 µg/L
18	Bromodichloromethane	ND	2.0 µg/L
19	cis-1,3-Dichloropropene	ND	2.0 µg/L
20	trans-1,3-Dichloropropene	ND	2.0 µg/L
21	1,1,2-Trichloroethane	ND	2.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	2.0 µg/L
24	Tetrachloroethene	290	2.0 µg/L
25	Chlorobenzene	ND	2.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	2.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
31	1,3-Dichlorobenzene	ND	2.0 µg/L
32	1,4-Dichlorobenzene	ND	2.0 µg/L
33	1,2-Dichlorobenzene	ND	2.0 µg/L

Some Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Wichita, KS • (316) 722-5890 / info@alpha-analytical.com

1/21/04
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: 00-43367-04/ Maryland Square

Attn: Andrea Moericke
Phone: (702) 263-7600
Fax: (702) 269-8353

Alpha Analytical Number: CON04011523-13A
Client I.D. Number: MW21

Sampled: 01/13/04
Received: 01/15/04
Analyzed: 01/16/04

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	2.0 µg/L
2	Vinyl chloride	ND	1.0 µg/L
3	Chloroethane	ND	1.0 µg/L
4	Bromomethane	ND	1.0 µg/L
5	Trichlorofluoromethane	ND	1.0 µg/L
6	1,1-Dichloroethene	ND	1.0 µg/L
7	Dichloromethane	ND	2.0 µg/L
8	trans-1,2-Dichloroethene	ND	1.0 µg/L
9	1,1-Dichloroethane	ND	1.0 µg/L
10	cis-1,2-Dichloroethene	ND	1.0 µg/L
11	Chloroform	ND	1.0 µg/L
12	1,2-Dichloroethane	ND	1.0 µg/L
13	1,1,1-Trichloroethane	ND	1.0 µg/L
14	Carbon tetrachloride	ND	1.0 µg/L
15	Benzene	ND	1.0 µg/L
16	1,2-Dichloropropane	ND	1.0 µg/L
17	Trichloroethene	ND	1.0 µg/L
18	Bromodichloromethane	ND	1.0 µg/L
19	cis-1,3-Dichloropropene	ND	1.0 µg/L
20	trans-1,3-Dichloropropene	ND	1.0 µg/L
21	1,1,2-Trichloroethane	ND	1.0 µg/L
22	Toluene	ND	1.0 µg/L
23	Dibromochloromethane	ND	1.0 µg/L
24	Tetrachloroethene	55	1.0 µg/L
25	Chlorobenzene	ND	1.0 µg/L
26	Ethylbenzene	ND	1.0 µg/L
27	m,p-Xylene	ND	1.0 µg/L
28	Bromoform	ND	1.0 µg/L
29	o-Xylene	ND	1.0 µg/L
30	1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
31	1,3-Dichlorobenzene	ND	1.0 µg/L
32	1,4-Dichlorobenzene	ND	1.0 µg/L
33	1,2-Dichlorobenzene	ND	1.0 µg/L

ND = Not Detected

R Scholl Randy Gardner Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Wichita, KS • (316) 722-5890 / info@alpha-analytical.com

1/21/04
Report Date

Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778

(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC pH Report

Work Order CON04011523 **Project:** 00-43367-04/ Maryland Square

Alpha's Sample ID	Client's Sample ID	Matrix	pH
04011523-01A	MW2	Aqueous	2
04011523-02A	MW3	Aqueous	2
04011523-03A	MW4	Aqueous	2
04011523-04A	MW5	Aqueous	2
04011523-05A	MW6	Aqueous	2
04011523-06A	MW10	Aqueous	2
04011523-07A	MW13	Aqueous	2
04011523-08A	MW14	Aqueous	2
04011523-09A	MW15	Aqueous	2
04011523-10A	MW16	Aqueous	2
04011523-11A	MW19	Aqueous	2
04011523-12A	MW20	Aqueous	2
04011523-13A	MW21	Aqueous	6
04011523-14A	MW1	Aqueous	2
04011523-15A	MW7	Aqueous	2
04011523-16A	MW8	Aqueous	2
04011523-17A	MW9	Aqueous	2
04011523-18A	MW12	Aqueous	2

1/21/04

Report Date

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address: Converse

Project/PO Number: Maryland Square 00-43367-04

Project Manager: Andrea Machado

Phone Number:

Sampler: EB

Fax Number:

Analysis Required: 8260 Full Range VOC

NV 5 day

	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	8260 Full Range VOC									Special Instructions
1.	MW2	AQ	VOA	3	1/14/04 0955	HCL	X									04011523
2	MW3				1010		X									
3	MW4				0735		X									
4	MW5				0800		X									
5	MW6				0815		X									
6	MW10				1030		X									
7	MW13				0938		X									
8	MW14				1227		X									
9	MW15				0920		X									
10	MW16				1150		X									
11	MW19				1130		X									
12	MW20				1115		X									
13	MW21				1100		X									
1																

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	1/14/04	[signature]	1/14/04 1409
[signature]	1/14/04 1620	[signature]	1/15/04 @ 1040

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☒ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☒ On ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

CONVERSE CONSULTANTS
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
(702) 269-8336 • Fax: (702) 269-8353

CHAIN OF CUSTODY FORM

Client Name/Address: Converse

Project/PO Number: Maryland Square 00-4336704

Project Manager: Andrea Moeliche

Phone Number:

Sampler: EB

Fax Number:

Analysis Required: 8260 Full Range VOC

	Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	8260 Full Range VOC	Special Instructions
14	MW1	AQ	VOA	3	1/14/14 1050	HCL	Y	
15	MW7	↓	↓	↓	1150	↓	Y	
16	MW8	↓	↓	↓	1216	↓	Y	
17	MW9	↓	↓	↓	1120	↓	Y	
18	MW12	↓	↓	↓	1300	↓	Y	

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	1/14/04	[signature]	1/14/04 1409
Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	1/14/04 1620	[signature]	1/16/04 @ 10:40
Relinquished By:	Date/Time:	Received By:	Date/Time:

Turnaround Time: (Check)
- ☐ Same day
- ☐ 24 hours
- ☐ 48 hours
- ☐ 72 hours
- ☐ 5 days
- ☑ Normal

Sample Integrity: (Check)
- ☐ Intact
- ☑ On ice

Note: By relinquishing samples to Converse Consultants, client agrees to pay for the services requested on this chain of custody form and any additional analysis performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

Appendix C

Log No. MW-14

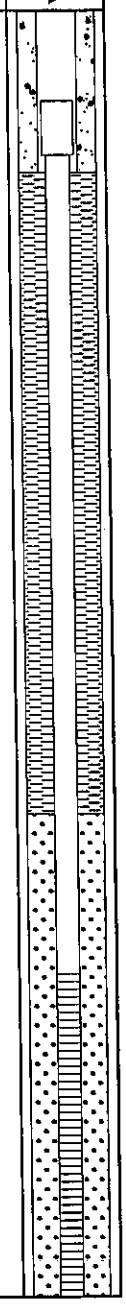
Date of Drilling: 11/14/03 **Location:** **Ground Surface Elevation (ft):**
Driller: Elite **Borehole Diameter:** 8.25" **Equipment:** Mobile B-57
Logged By: JJ **Groundwater Depth (ft):** **Driving Wt. and Drop:**

DRAFTED BY ESB

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
0		Asphalt/Aggregate base				
2		Clayey sand; tan, slightly moist				
4						
6						
8						
10						
12						
14		Sandy lean clay; few caliche, gravel, white, moist	50/6			
16						
18			13/20			
20						



APPROVED BY ON

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-14

Date of Drilling: 11/14/03 **Location:** **Ground Surface Elevation (ft):**
Driller: Elite **Borehole Diameter:** 8.25" **Equipment:** Mobile B-57
Logged By: JJ **Groundwater Depth (ft):** **Driving Wt. and Drop:**

DRAFTED BY ESB

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
		Sandy lean clay; few caliche, gravel, white, moist				
22						
		Sandy lean clay; brown, moist				
24		Silty sand with gravel				
26						
28						
		Silty sand with gravel				
30						
32						
34						
36						
38						
40						

APPROVED BY ON

End of Exploration at 40.0'

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-15

Date of Drilling:
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

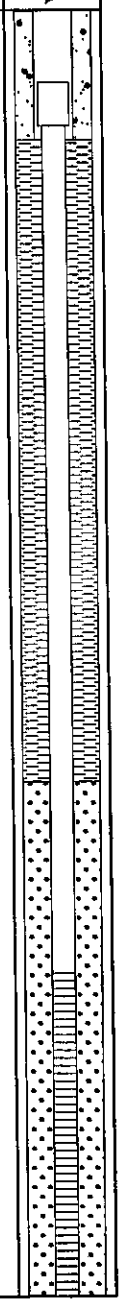
Ground Surface Elevation (ft):
Equipment: Mogile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
0		Asphalt				
2		Type II fill				
		Sand				
8		Silty Sand				
10						
12						
14						
16						
18						
20						



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Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-15

Date of Drilling:
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

Ground Surface Elevation (ft):
Equipment: Mogile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
22						
		Caliche				
24		Sandy Clay				
26						
28						
30						
32						
34						
36						
38						
40						

APPROVED BY ON

End of Exploration at 30.5'

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-16

Date of Drilling:
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

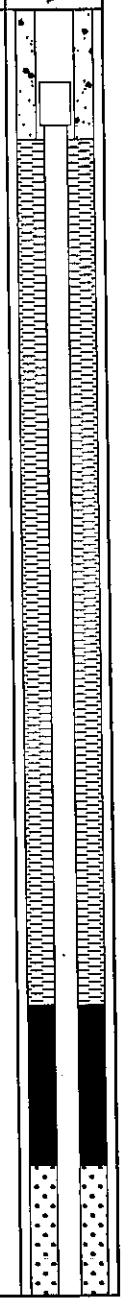
Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY 11/11/03

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
0		Asphalt				
		Sand and Gravel Type II, loose				
2		Sand with gravel; light brown				
4						
6						
		Gravel with sand and clay				
8		...little gravel				
10		Sandy clay; light brown				
12						
14		Clayey sand; light brown, slightly moist				
16		Gravel; loose				
18		Clayey sand; light brown, slightly moist				
20		Caliche				



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Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-16

Date of Drilling:
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY 11/11/03

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
		This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.				
		Sandy lean clay; reddish, slightly moist				
22						
24						
26						
28						
30						
32						
34						
36						
38						
40						

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End of Exploration at 35.0'

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. B-17

Date of Drilling: 11/12/03 **Location:** **Ground Surface Elevation (ft):**
Driller: Elite **Borehole Diameter:** 8.25" **Equipment:** Mobile B-57
Logged By: JJ **Groundwater Depth (ft):** **Driving Wt. and Drop:**

DRAFTED BY ESB

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
0		Asphalt/ Aggerate base				
2		Clayey sand; light brown, slightly moist				
4						
6		Caliche ...few gravel				
8						
10		Clayey sand; light brown, slightly moist				
12						
14						
16						
18						
20						

APPROVED BY ON

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. B-17

Date of Drilling: 11/12/03
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
22		Sandy lean clay; reddish brown, moist				
24						
26						
28						
30						
32						
34						
36						
38						
40						

APPROVED BY ON

End of Exploration at 35.0'

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. B-18

Date of Drilling: 11/12/03
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
0		Asphalt/Agregate Type II				
2		Clayey sand; light brown, slightly moist				
4						
6						
8						
10		Silty sand; few gravels, dark brown, slightly moist				
12		Poorly graded sand with silt; light brown, slightly moist				
14						
16						
18						
20						

APPROVED BY ON

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. B-18

Date of Drilling: 11/12/03
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
22						
24						
26						
28		Sandy lean clay; light brown, moist				
30						
32						
34						
36						
38						
40						

End of Exploration at 35.0'

APPROVED BY ON

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-19

Date of Drilling: 11/13/03
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25
Groundwater Depth (ft):

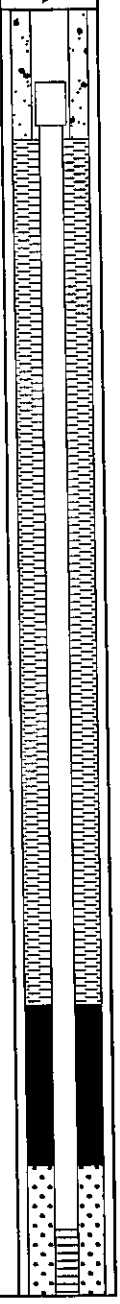
Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
0		Asphalt/Aggregate				
2		Clayey sand; light brown, slightly moist				
4						
6						
8		Silty sand with gravel; dark brown, slightly moist				
10		...tan				
12						
14		...brown				
16						
18						
20						



APPROVED BY ON

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-19

Date of Drilling: 11/13/03
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25
Groundwater Depth (ft):

Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
		Sandy lean clay; reddish brown, very moist				
22						
24						
26						
28						
30						
32						
34		Caliche				
36						
38						
40						

APPROVED BY ON

End of Exploration at 35.0'

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-20

Date of Drilling: 11/13/03
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
0		Asphalt/Aggregate				
2		Silty sand with gravel; dark brown, slightly moist				
4						
6		Clayey sand; tan, slightly moist				
		Poorly graded sand with silt; light brown, slightly moist				
8		Clayey sand few gravels; tan, slightly moist				
10		Caliche				
12		Clayey sand with gravel; tan, slightly moist				
14						
16						
18						
20		Poorly graded sand with silt; light brown, slightly moist				

APPROVED BY ON

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-20

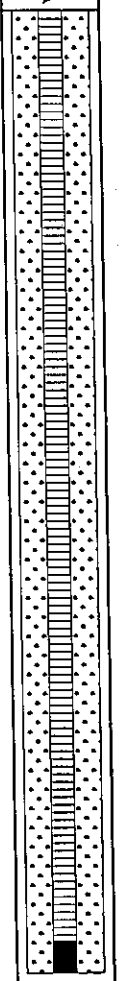
Date of Drilling: 11/13/03
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

Depth (ft)	Graphic Log	SUMMARY OF SUBSURFACE CONDITIONS	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
		This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.				
22						
24						
26						
28						
30						
32						
34						
36						
38						
40						



APPROVED BY ON

End of Exploration at 35.0'

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-21

Date of Drilling: 11/13/03
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

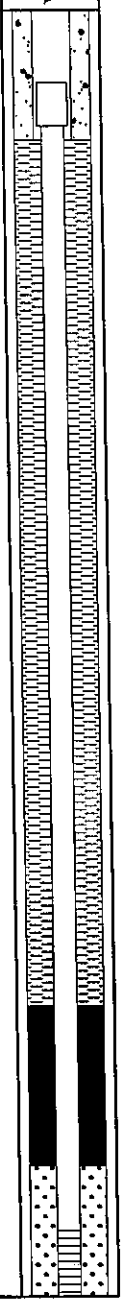
Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
0		Asphalt/Aggregate				
2		Clayey sand with gravel; tan, slightly moist				
4		Sandy lean clay with gravel; tan, slightly moist				
6						
8						
10						
12						
14						
16						
18		...tan				
20						



APPROVED BY ON

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Log No. MW-21

Date of Drilling: 11/13/03
Driller: Elite
Logged By: JJ

Location:
Borehole Diameter: 8.25"
Groundwater Depth (ft):

Ground Surface Elevation (ft):
Equipment: Mobile B-57
Driving Wt. and Drop:

DRAFTED BY ESB

SUMMARY OF SUBSURFACE CONDITIONS

This log is part of the report prepared by Converse for this project and should be read with the report. This summary applies only at the location and time of the exploration. Subsurface conditions may differ at other locations and may change at this location with the passage of time. The data presented is a simplified model of the actual conditions encountered.

Depth (ft)	Graphic Log	Summary of Subsurface Conditions	Blow Count	PID/OVA Reading (ppm)	Hydrocarbon Odor/Staining	Well Design
		Sandy lean clay; light brown, slightly moist				
22		Clayey sand; light brown, slightly moist				
24		Sandy lean clay; tan, slightly moist				
26						
28						
30						
32						
34						
36						
38						
40						

APPROVED BY ON

End of Exploration at 35.0'

Kishner/Maryland Square
3661 So. Maryland Parkway
Las Vegas, Nevada

Project No.
00-43367-06

Drawing No.

Converse Consultants

Over 50 Years of Dedication in Engineering and Environmental Sciences

Appendix D

Converse Consultants, Inc.

Moisture - Density Determinations

PROJECT:Kishner / Maryland Square		DATE:	12/1/2003
Project No.:00-43367-06	TESTED BY: AMB	CHECKED BY: CCE	

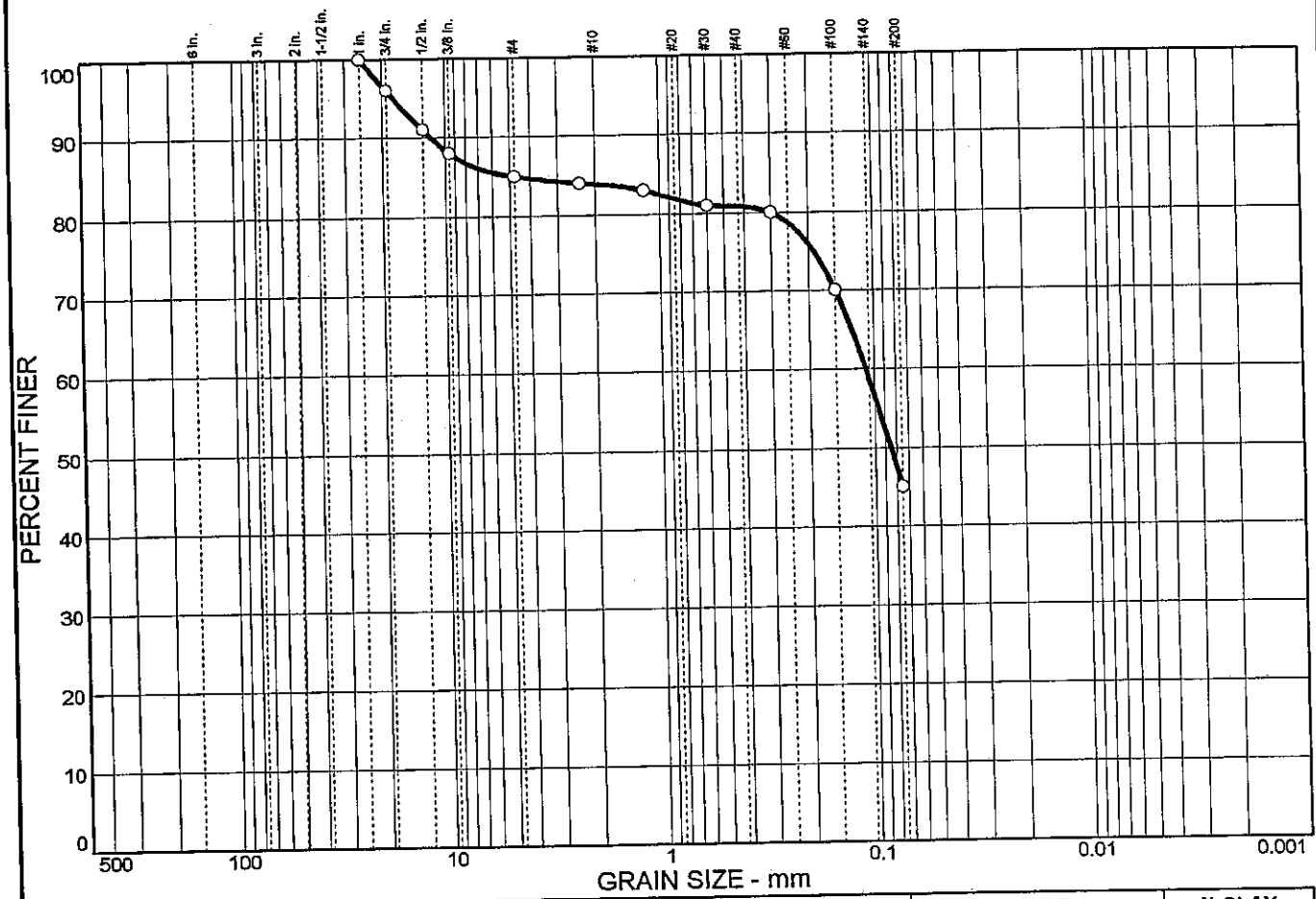
MOISTURE CALCULATIONS

Boring No	14	14				
Depth	24	29				
Wt of samp + Dish (wet)	905.9	984.3				
Wt of samp + Dish (dry)	672.9	784.6				
Wt. of Moisture	233	199.7				
Wt. of Dish	218.5	118.2				
Dry Wt.	454.4	666.4				
Moisture %	51.3%	30.0%				

DENSITY CALCULATIONS

Number of rings	5	6				
Wt. of Rings and Sample. Wet	944.7	1128.2				
Wt. of Rings	225.6	253.1				
Wt. of Sample	719.1	875.1				
Wt. of 1 ring sample	134.4	145.9				
Wet Density	111.3	120.8				
Dry Density	**73.6**	**92.9**				
Soil Description or Comments						

Grain Size Distribution Graph



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0	15	40	45	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1 in.	100		
3/4 in.	96		
1/2 in.	91		
3/8 in.	88		
#4	85		
#8	84		
#16	83		
#30	81		
#50	80		
#100	70		
#200	45		

* (no specification provided)

Soil Description

Silty sand with gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 4.75 D_{60}= 0.110 D_{50}= 0.0848
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO= A-4(0)

Remarks

Sample No.:
Location:

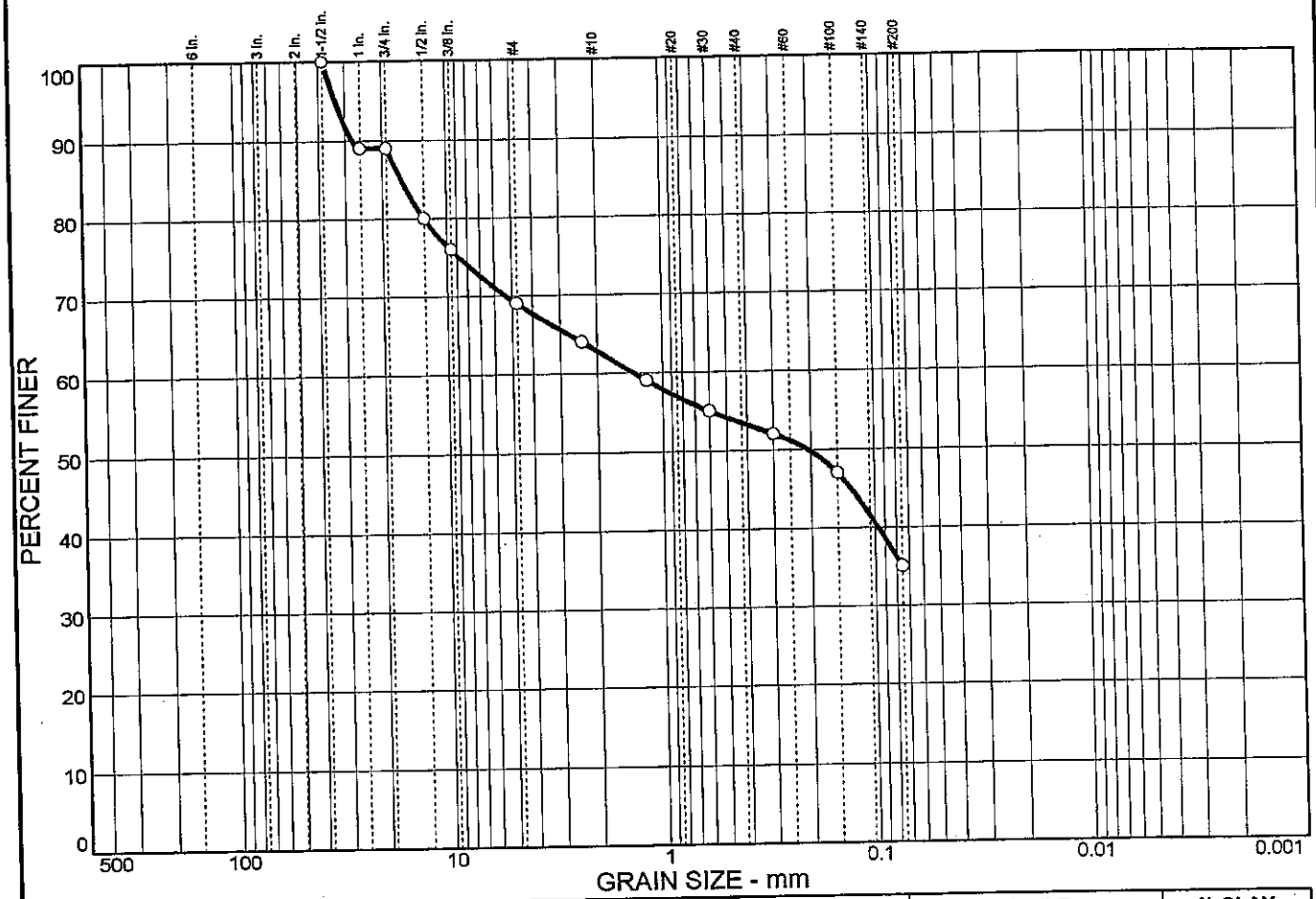
Source of Sample: B-14

Date: 12/1/2003
Elev./Depth: 24'

CONVERSE CONSULTANTS

Client:
Project: Kishner/Maryland Square
Project No: 00-43367-06
Drawing No.

Grain Size Distribution Graph



% COBBLES	% GRAVEL	% SAND	% SILT	% CLAY
0	31	34	35	

SIEVE SIZE	PERCENT FINER	SPEC.* PERCENT	PASS? (X=NO)
1-1/2 in.	100		
1 in.	89		
3/4 in.	89		
1/2 in.	80		
3/8 in.	76		
#4	69		
#8	64		
#16	59		
#30	55		
#50	52		
#100	47		
#200	35		

* (no specification provided)

Soil Description

Silty sand with gravel

Atterberg Limits

PL= LL= PI=

Coefficients

D_{85}= 16.1 D_{60}= 1.36 D_{50}= 0.206
D_{30}= D_{15}= D_{10}=
C_u= C_c=

Classification

USCS= SM AASHTO= A-2-4(0)

Remarks

Sample No.:
Location:

Source of Sample: B-14

Date: 12/1/2003
Elev./Depth: 29'

CONVERSE CONSULTANTS

Client:
Project: Kishner/Maryland Square
Project No: 00-43367-06
Drawing No.

Converse Consultants
731 Pilot Rd. Suite H
Las Vegas, NV 89119

Project: 00-43367-06
Project No.: Kishner / Maryland Square

Assigned By: JMD
Date Assigned: 11-18-03

Checked By:
Date Needed: 11-25-03

Boring No.	Bulk	Brass Rings	Amount of Sample (inches)	Depth (feet)	Unit Class. Symbol	Moisture Content	MC & Unit Weight	Atterberg Limits (LL & PI)	Consolidation	Swell	Solubility	Sieve	%>No. 4 & < No. 200	R-Value	D1557	Single-Point Check	CBR	Miller Box Resistivity	Direct Shear (Single Point)	Direct Shear (3 Point)	Unconfined Compressive Strength	NDOT Resistivity	Water Soluble Sodium Sulfate & Solubility	Resistivity Analysis	Corrosivity Analysis	Corrosivity, Resistivity & Sodium Sulfate	Other Tests	Instructions / Remarks
14		/	6"	24'	CL		X					X																Per attached Schedule II
14		/	6"	29'	CL		X					X																

Soil Properties, B-14

Boring No	14	14		
Depth	24	29		
Weight of Solids [grams], W_s	454.4	666.4		
Weight of Moisture [grams], W_D	233	199.7		
Moisture %	51.3	30		
Wet Density, γ	107.3	120.6		
Dry Density (Bulk Density), γ_d	70.9	92.7		
Specific Gravity of Solids, G	2.65	2.65		
Particle Density [pcf], γ_s	165.4	165.4		
Volume of Solids [cm^3], V_s	171.5	251.6		
Volume of Voids [cm^3], V_v	228.4	196.9		
Total Porosity, n	0.57	0.49		
Bulk Density [gm/cm^3], γ_d	1.14	1.49		

B-14 @ 24'

Sample length =	5.35
Ring ID =	2.41
Sample Vol. [in^3] =	24.40
Sample Vol. [cm^3] =	399.92

B-14 @ 29'

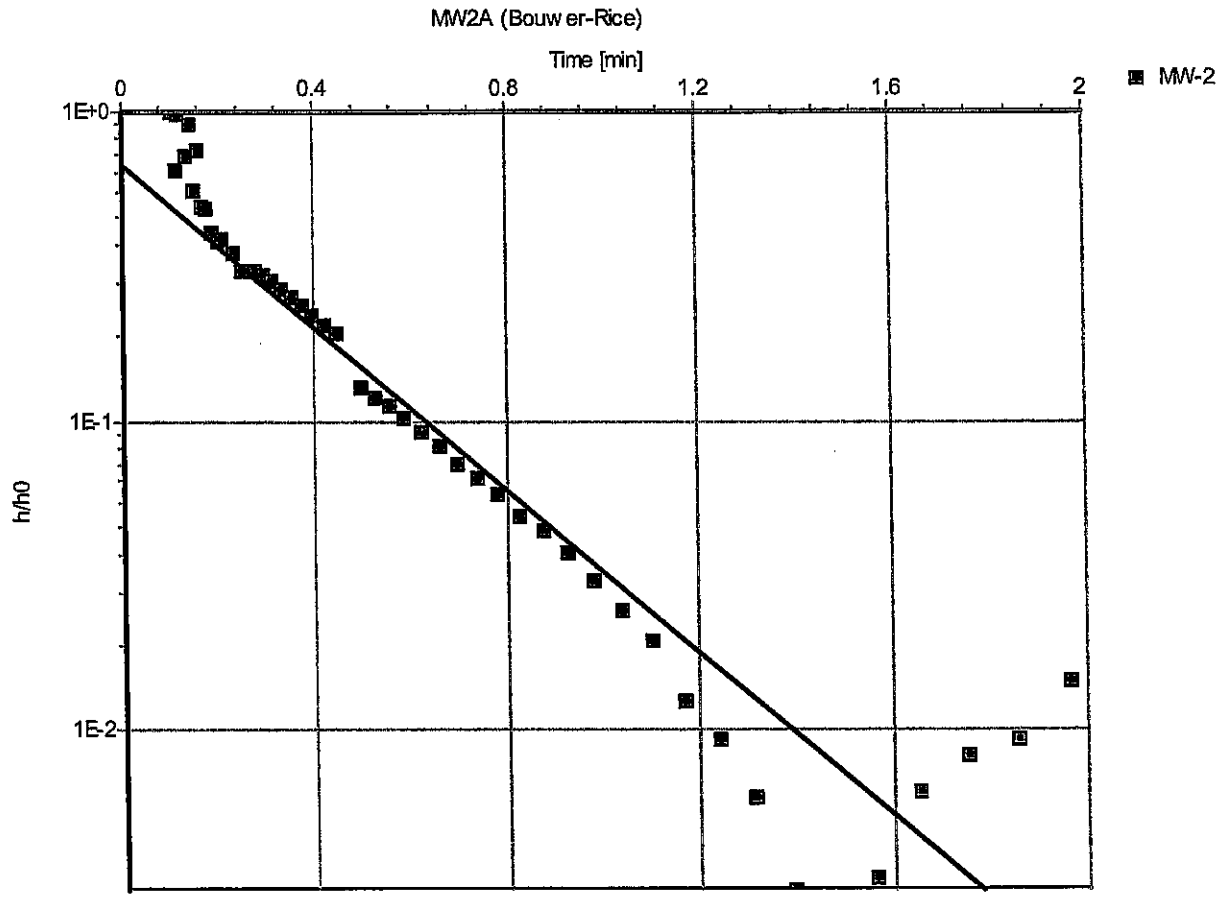
Sample length =	6
Ring ID =	2.41
Sample Vol. [in^3] =	27.37
Sample Vol. [cm^3] =	448.51

Appendix E

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW2A**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 9.90E+0 [ft/d]

Test parameters:

Test well:	MW-2	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	12.28 [ft]		
Casing radius:	0.086 [ft]		

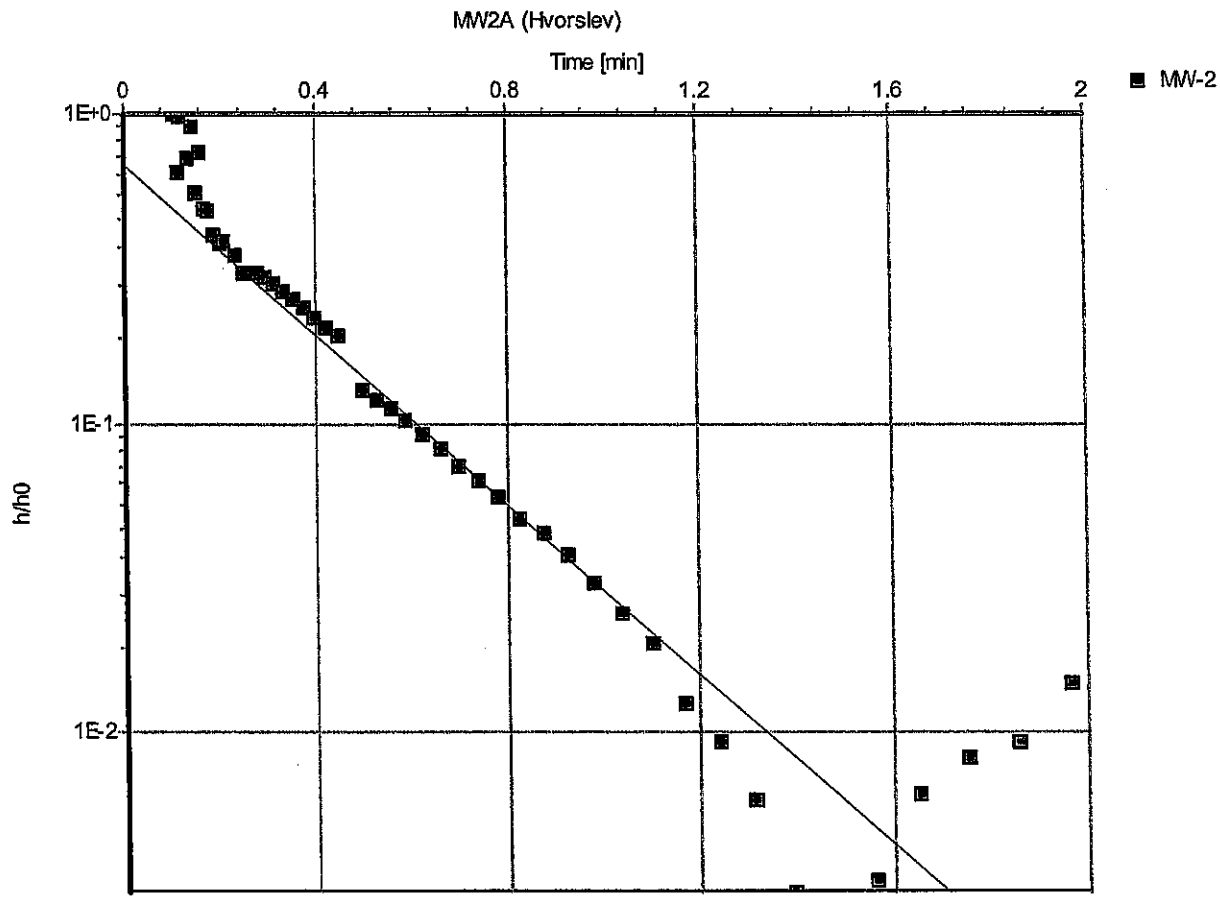
Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW2A**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 5.38E+0 [ft/d]

Test parameters:

Test well:	MW-2	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	12.28 [ft]		
Casing radius:	0.086 [ft]		

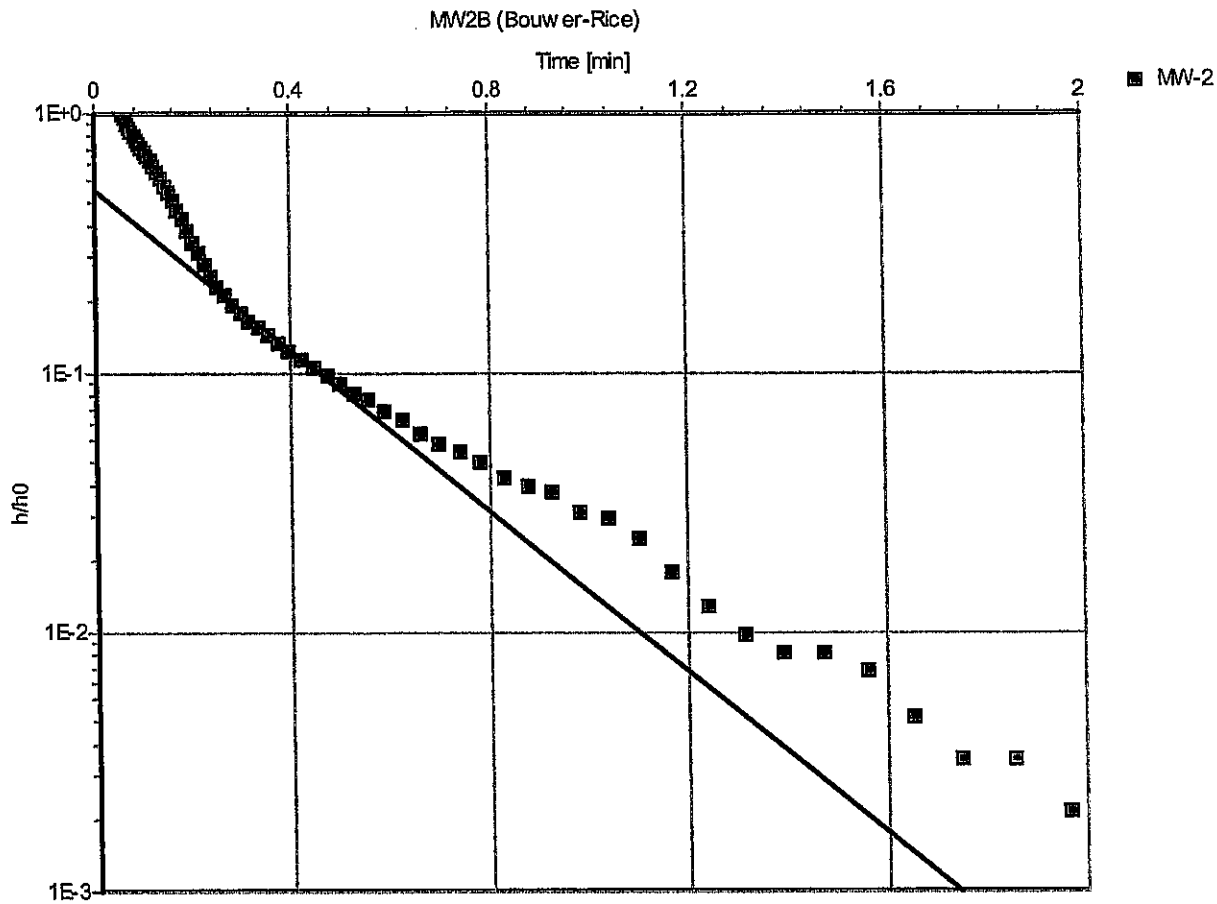
Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW2B**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 1.16E+1 [ft/d]

Test parameters:

Test well:	MW-2	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	12.28 [ft]		
Casing radius:	0.086 [ft]		

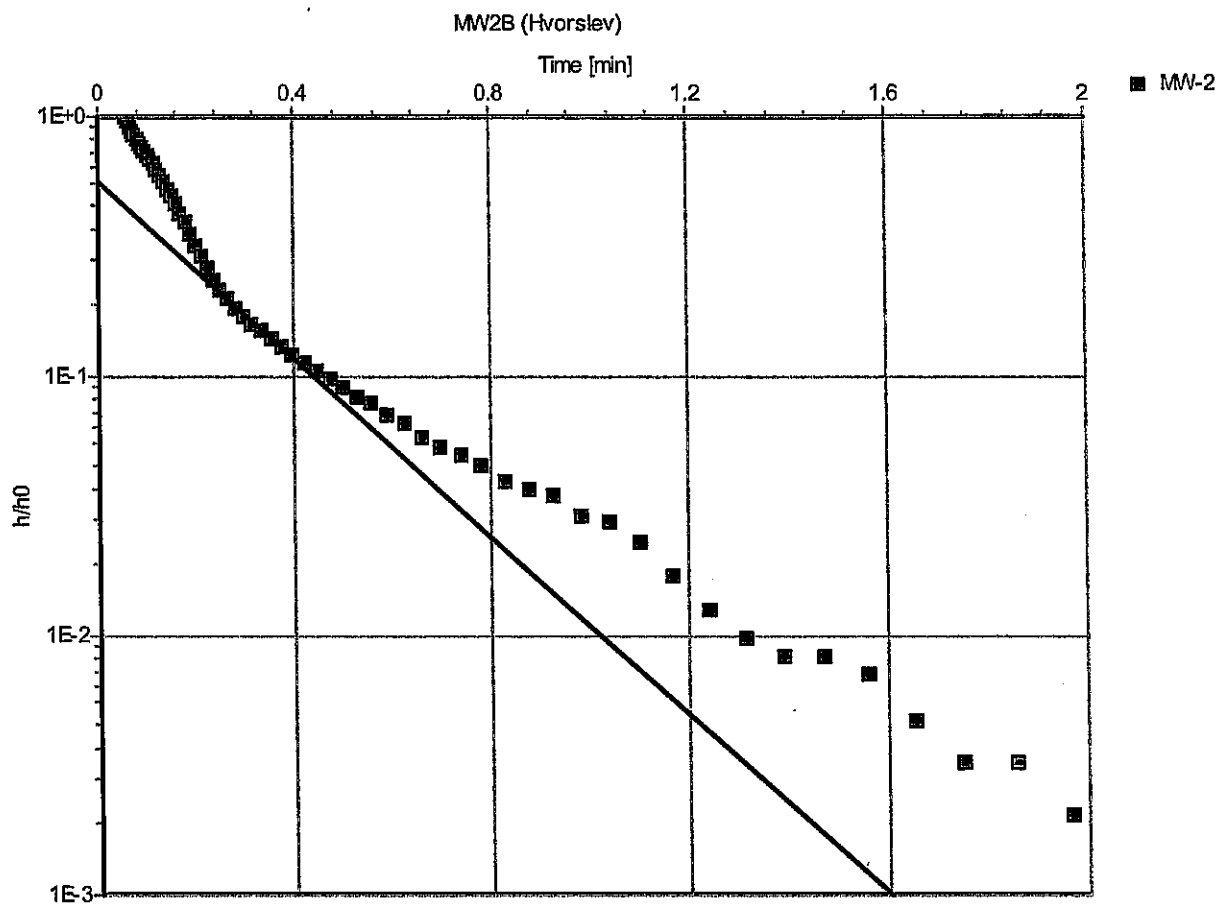
Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW2B**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 6.70E+0 [ft/d]

Test parameters:

Test well:	MW-2	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	12.28 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants
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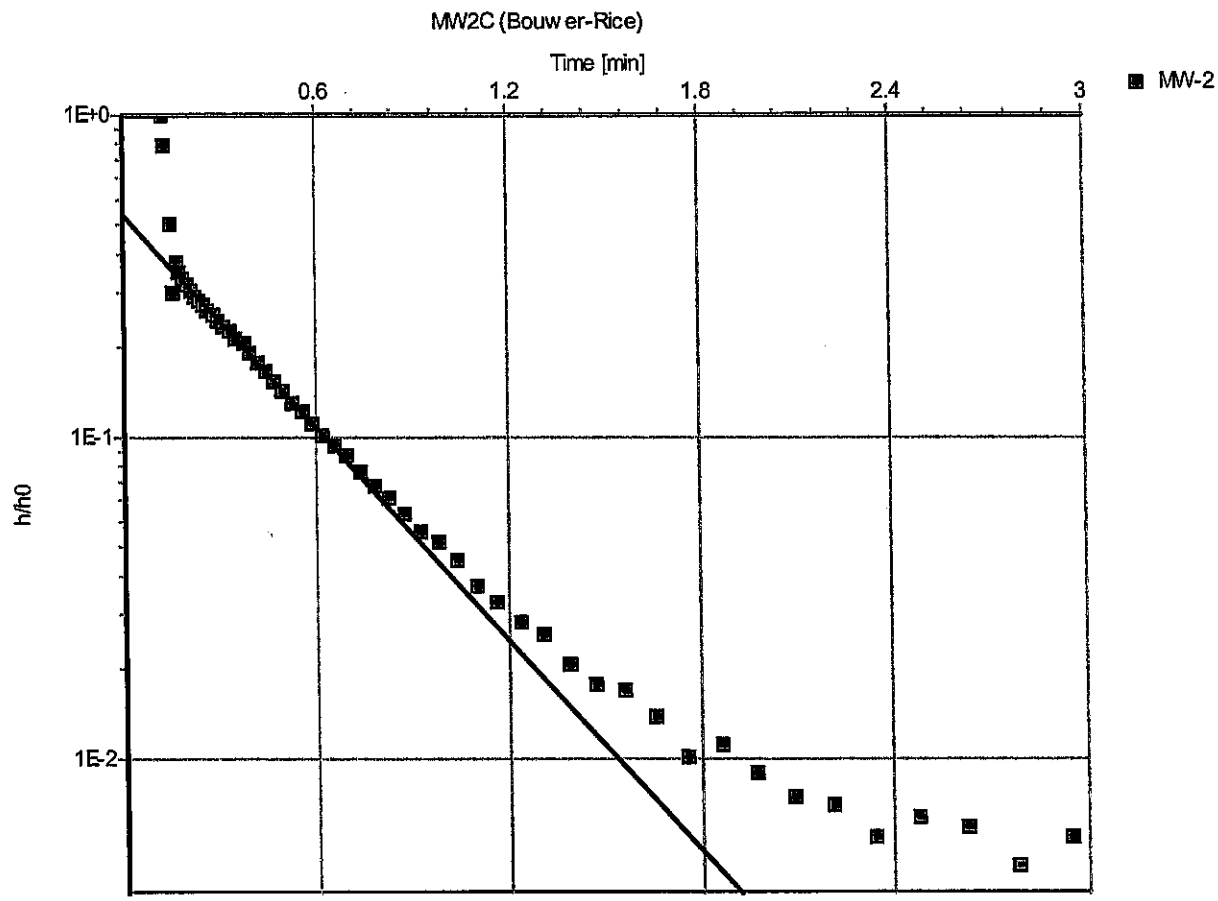
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW2C**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 8.29E+0 [ft/d]

Test parameters:

Test well:	MW-2	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	12.28 [ft]		
Casing radius:	0.086 [ft]		

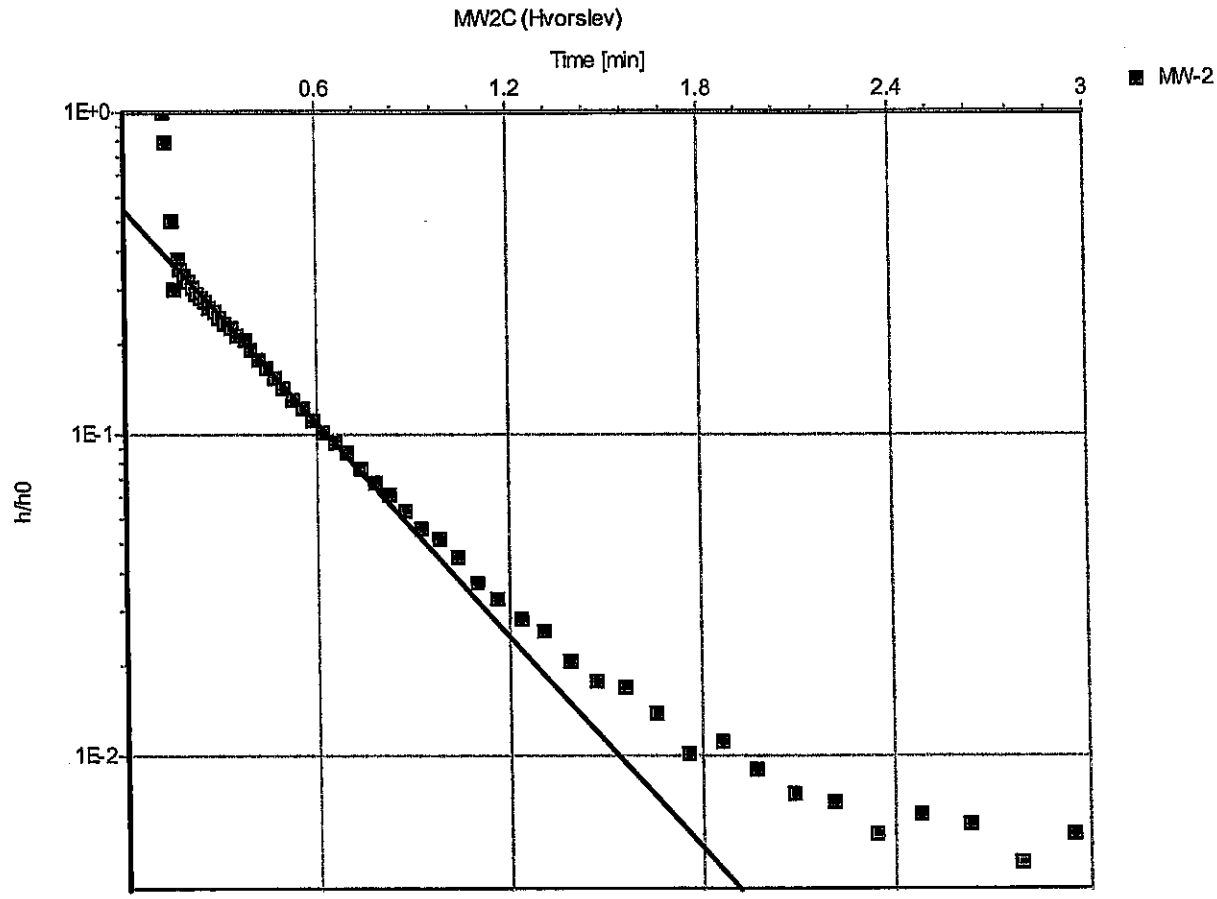
Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW2C**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 4.32E+0 [ft/d]

Test parameters:

Test well:	MW-2	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	12.28 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD

Date: 12/1/2003

Converse Consultants
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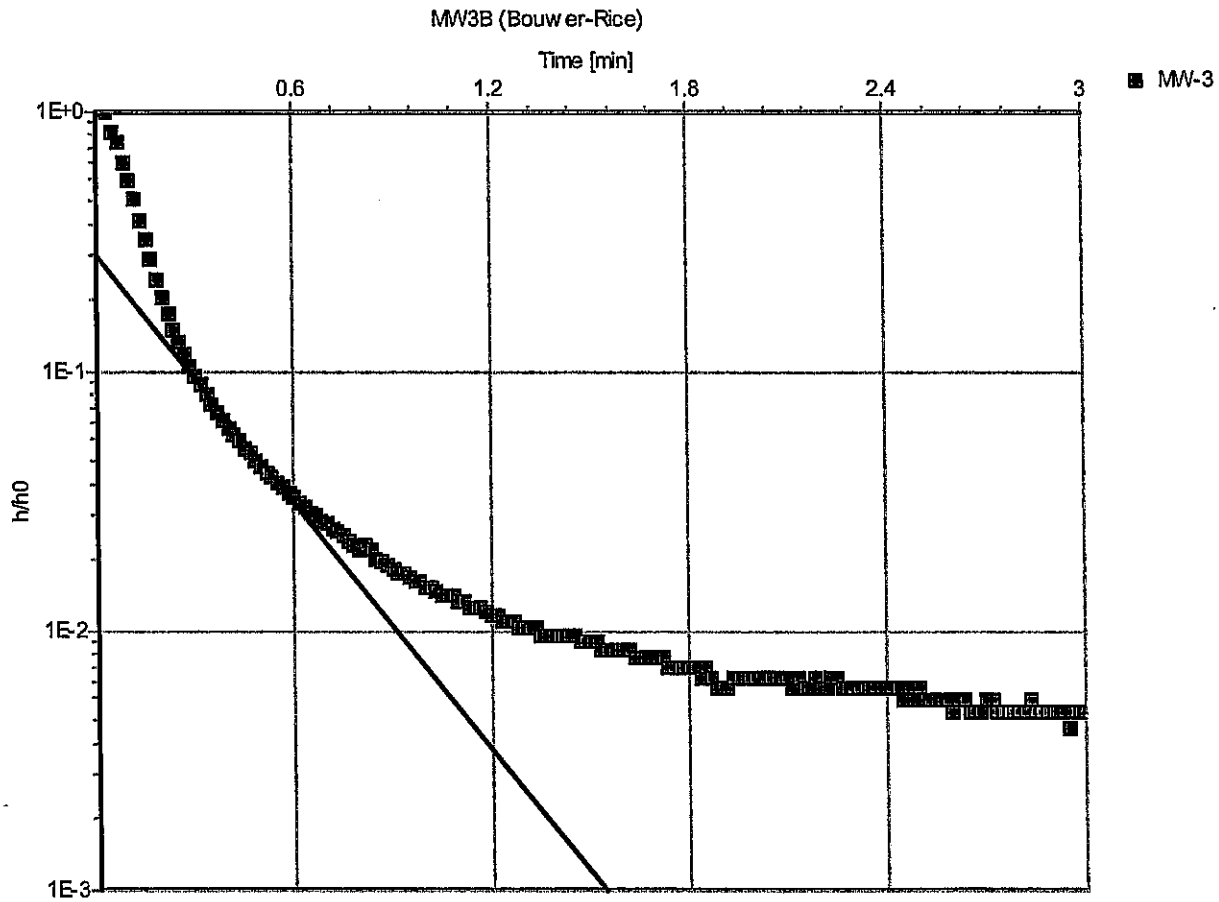
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW3B**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 1.25E+1 [ft/d]

Test parameters:

Test well:	MW-3	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	11.48 [ft]		
Casing radius:	0.086 [ft]		

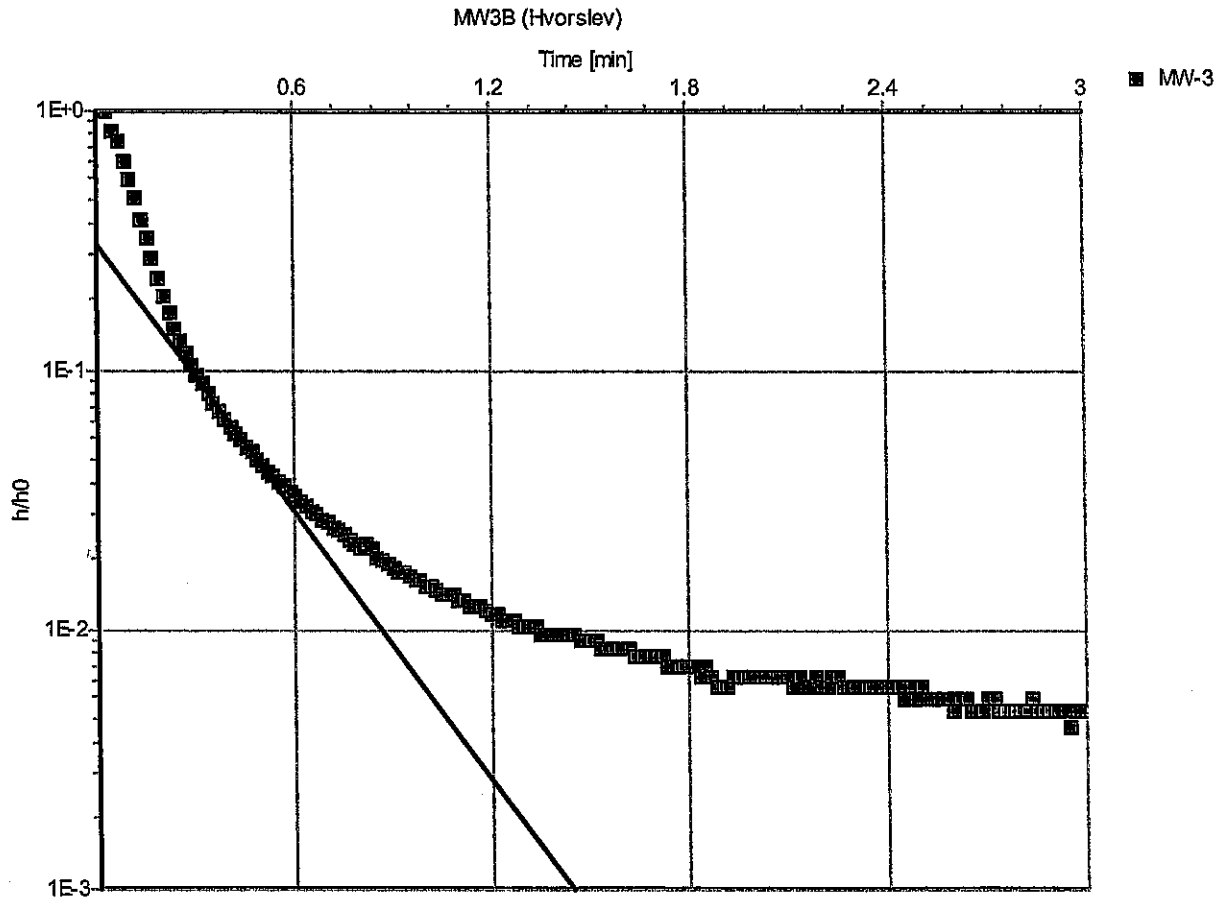
Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW3B**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 7.10E+0 [ft/d]

Test parameters:

Test well:	MW-3	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	11.48 [ft]		
Casing radius:	0.086 [ft]		

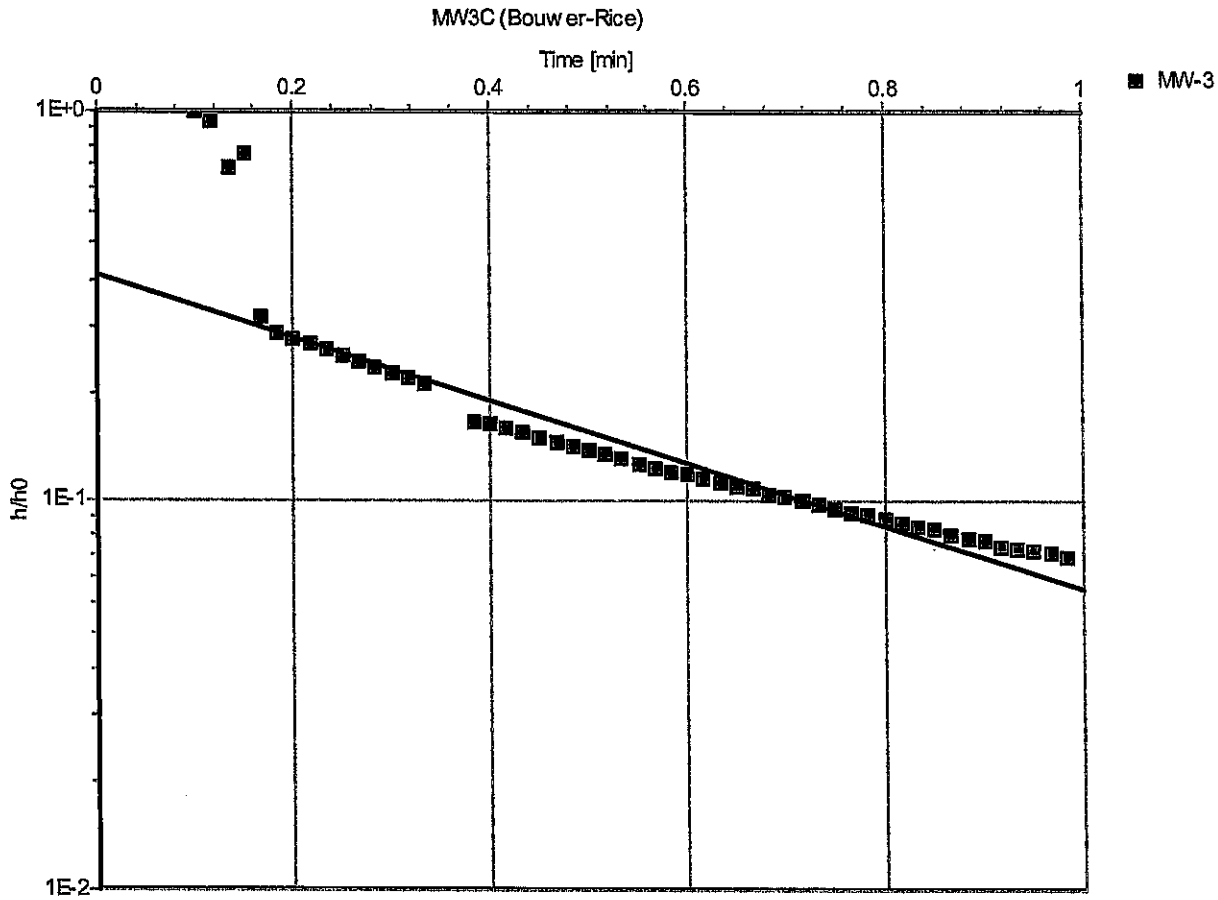
Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW3C**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 6.33E+0 [ft/d]

Test parameters:

Test well:	MW-3	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	11.48 [ft]		
Casing radius:	0.086 [ft]		

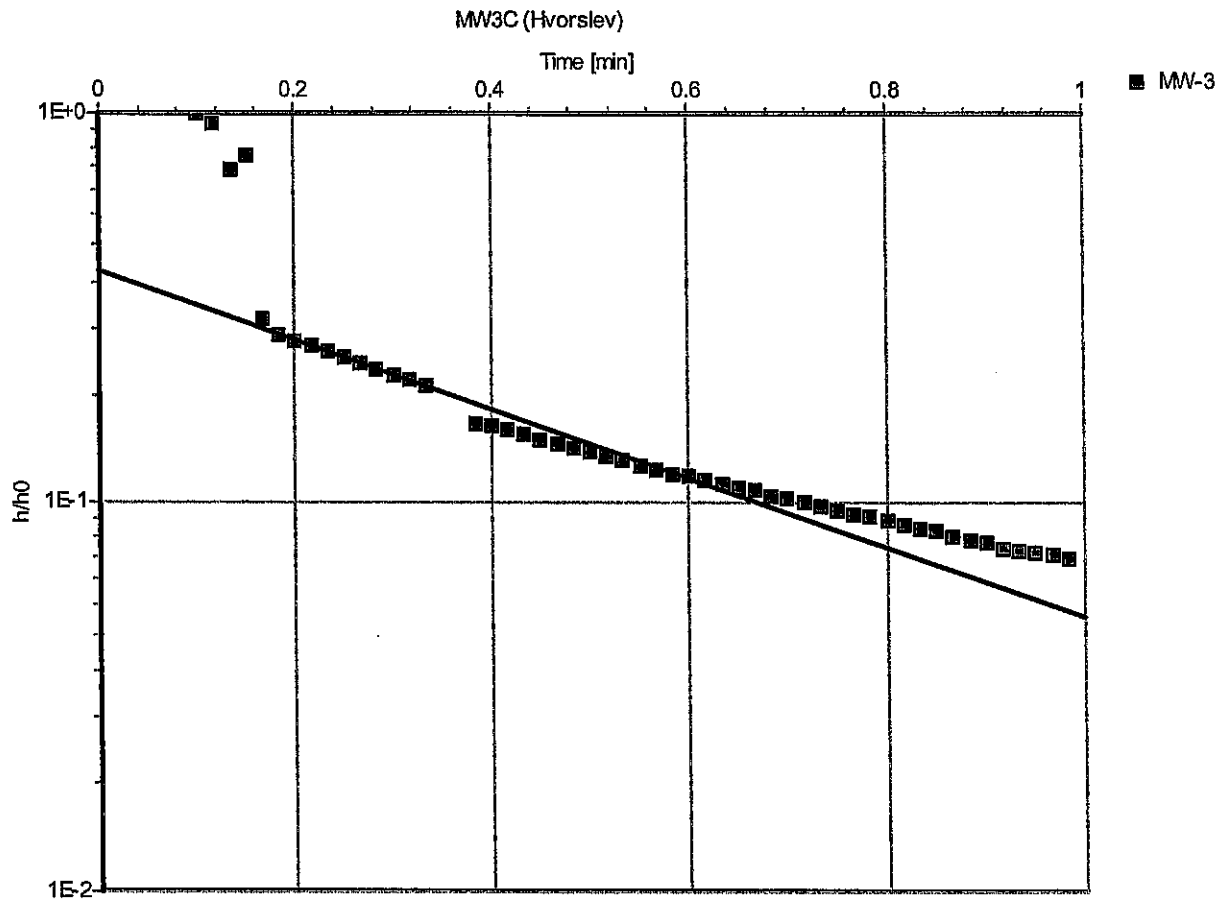
Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW3C**

Analysis method: **Hvorslev**

Analysis results: Conductivity: 3.67E+0 [ft/d]

Test parameters:

Test well:	MW-3	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	11.48 [ft]		
Casing radius:	0.086 [ft]		

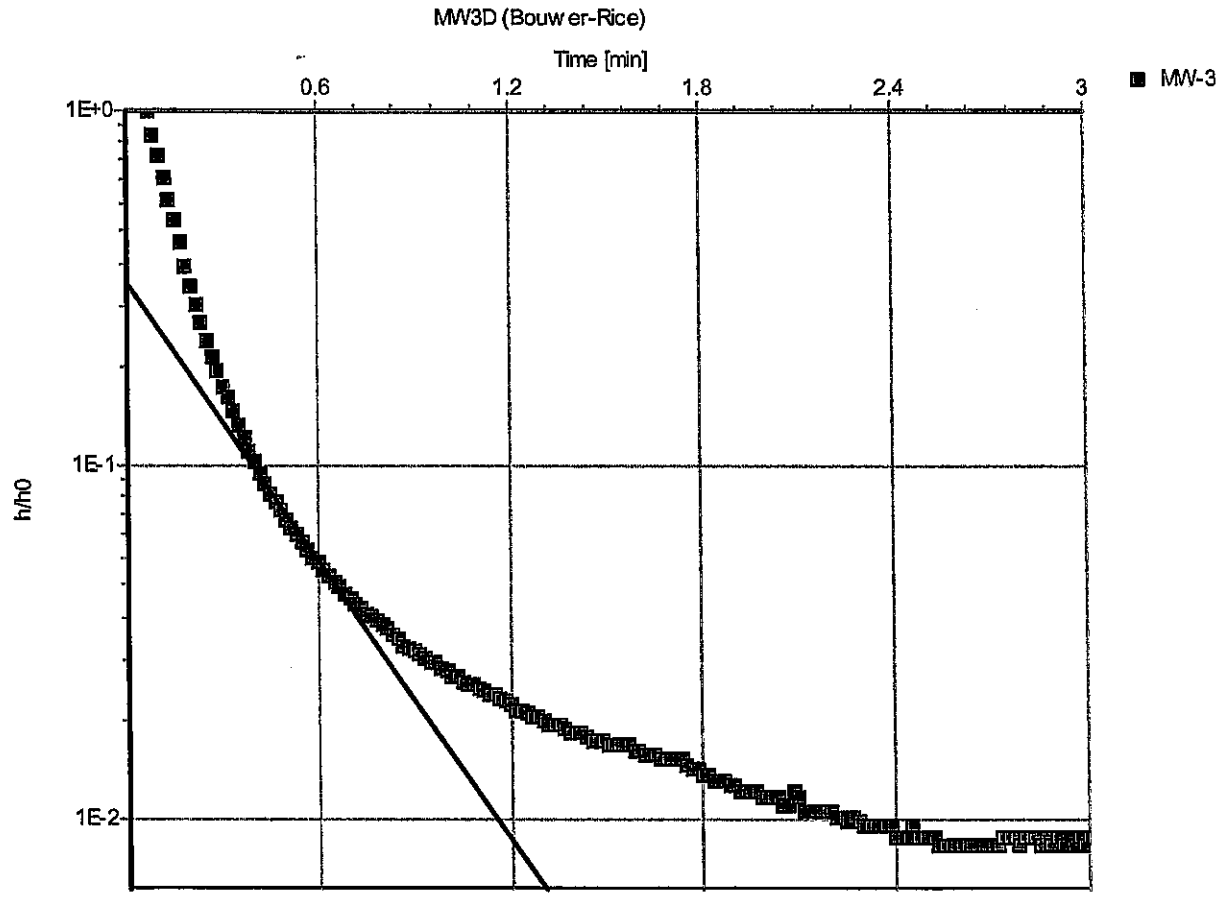
Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW3D**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 1.03E+1 [ft/d]

Test parameters:

Test well:	MW-3	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	11.48 [ft]		
Casing radius:	0.086 [ft]		

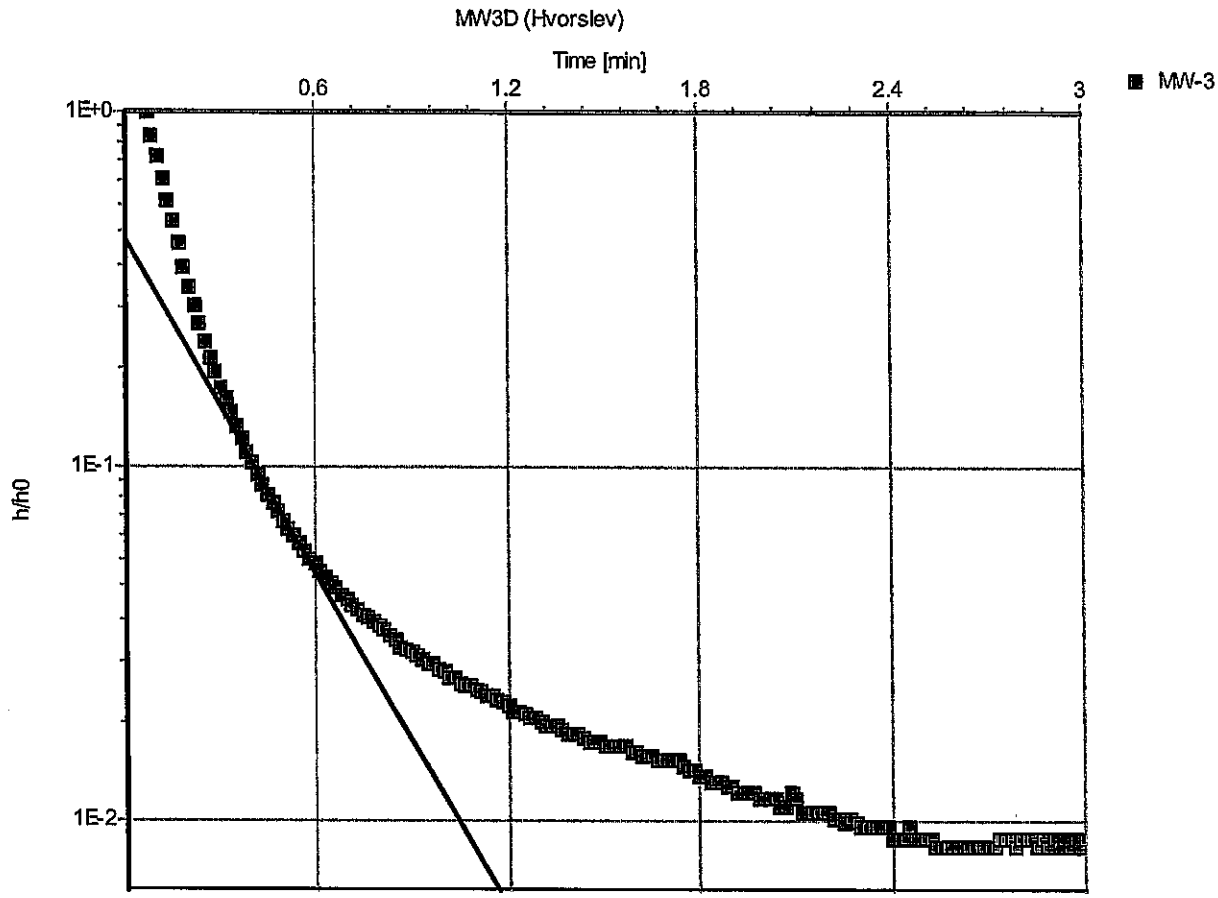
Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW3D**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 6.46E+0 [ft/d]

Test parameters:

Test well:	MW-3	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	11.48 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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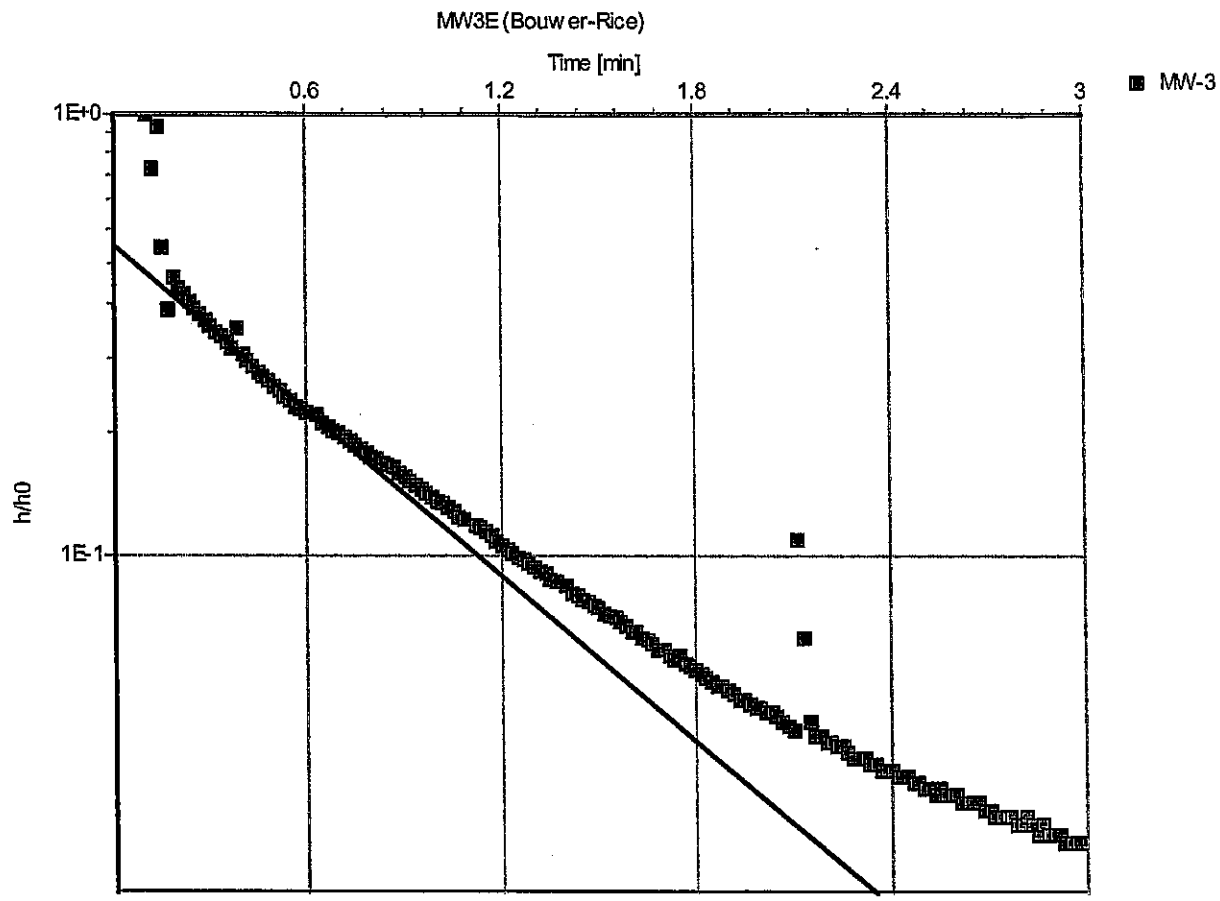
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW3E**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 4.91E+0 [ft/d]

Test parameters:

Test well:	MW-3	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	11.48 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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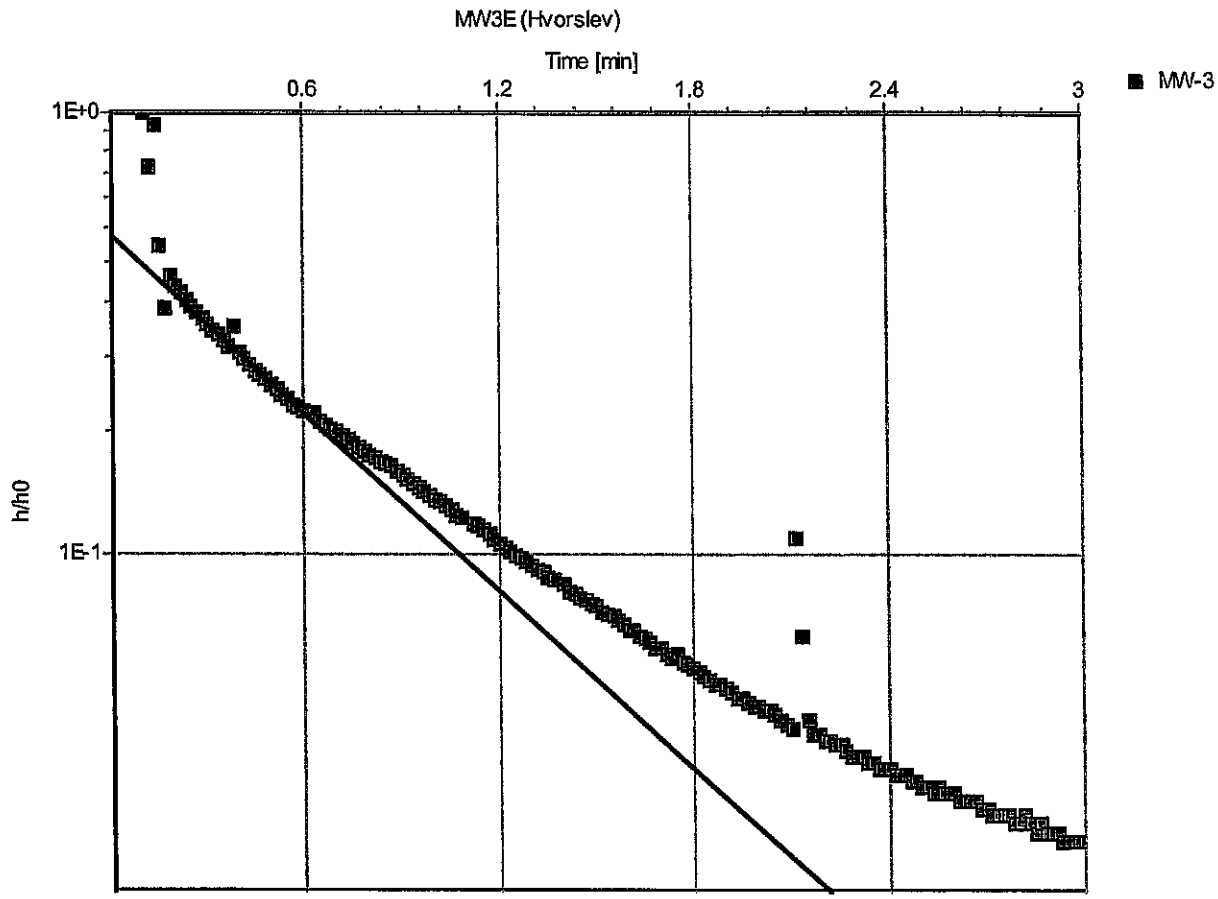
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW3E**

Analysis method: **Hvorslev**

Analysis results: Conductivity: 2.77E+0 [ft/d]

Test parameters:

Test well:	MW-3	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	11.48 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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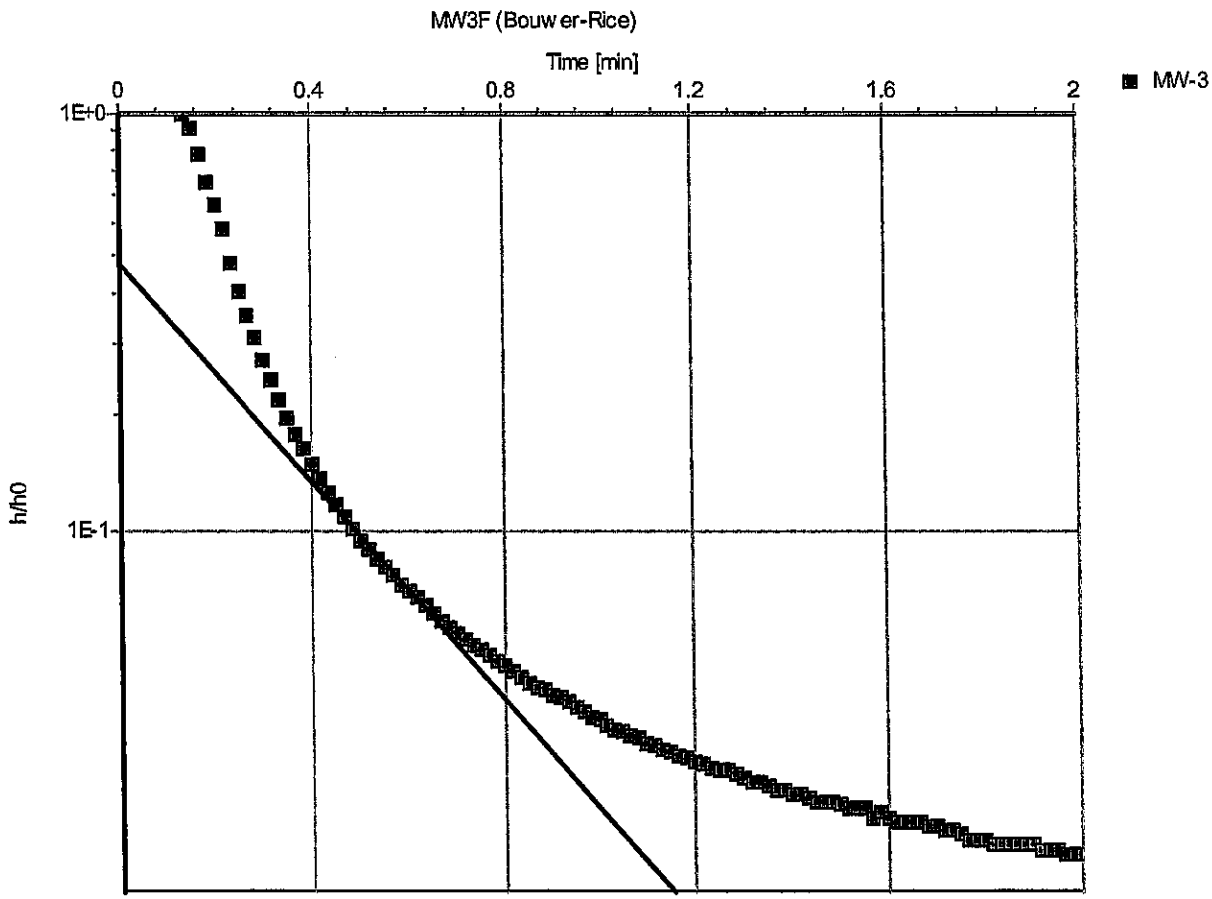
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW3F**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 1.03E+1 [ft/d]

Test parameters:

Test well:	MW-3	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	11.48 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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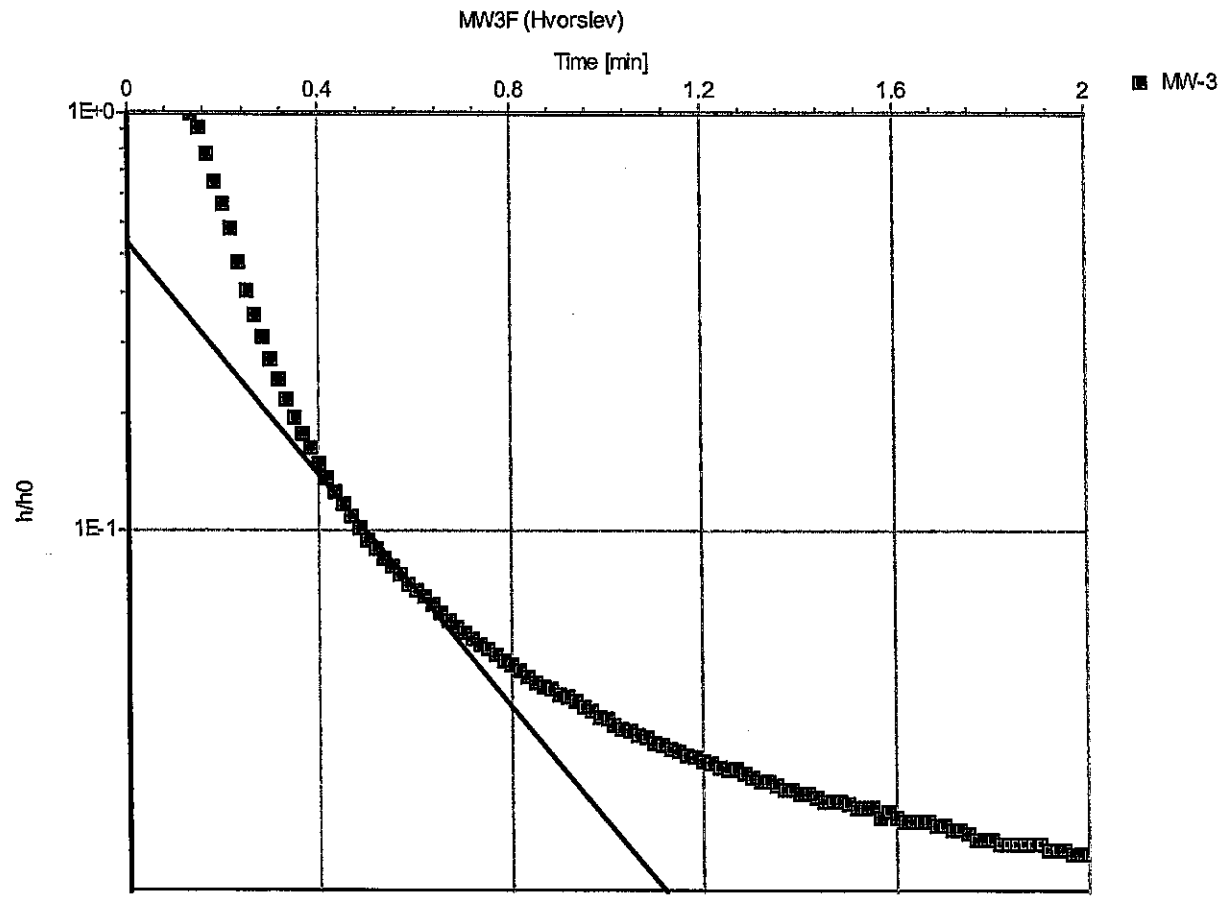
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW3F**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 5.73E+0 [ft/d]

Test parameters:

Test well:	MW-3	Aquifer thickness:	25 [ft]
Screen radius:	0.25 [ft]		
Screen length:	11.48 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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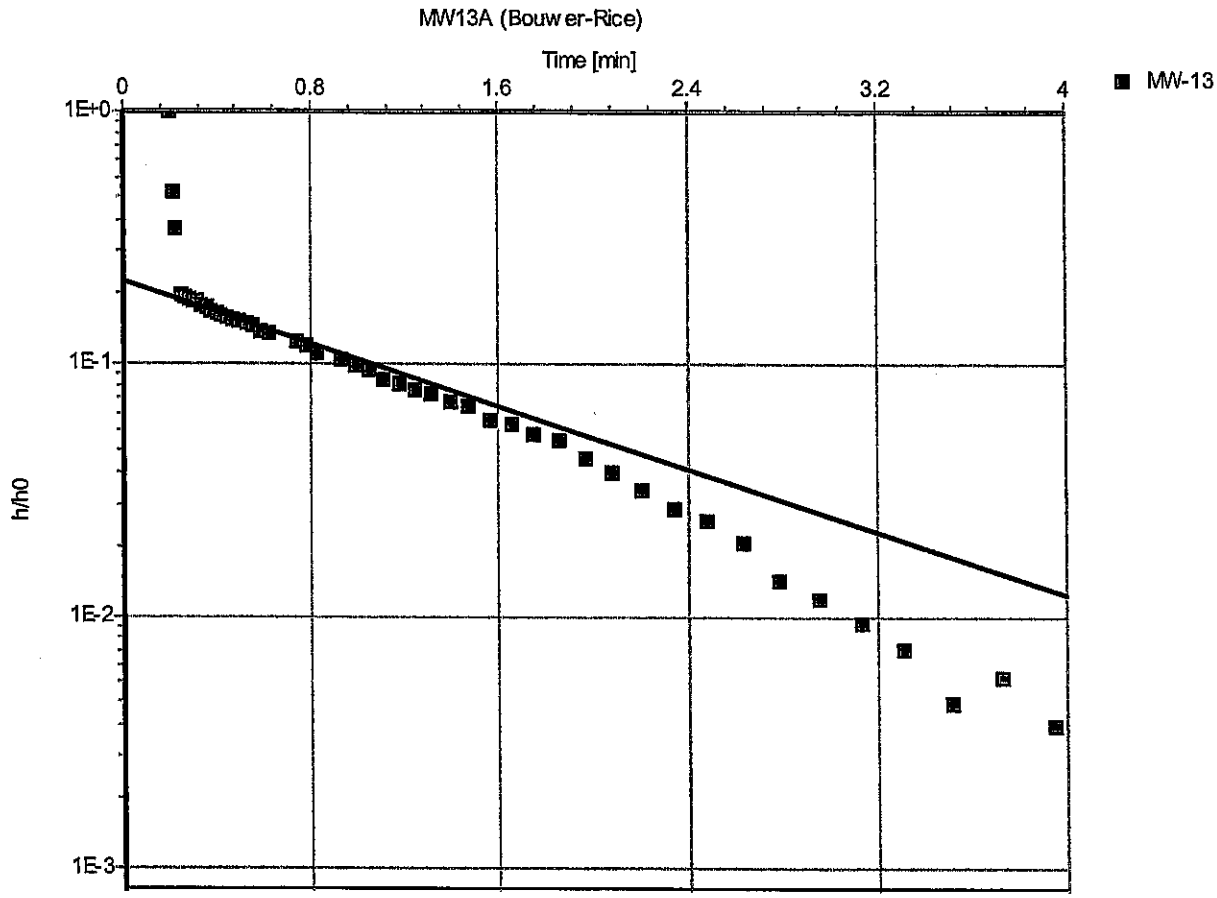
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW13A**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 3.74E+0 [ft/d]

Test parameters:

Test well:	MW-13	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	11.1 [ft]		
Casing radius:	0.086 [ft]		

Comments: DATA SUSPECT

Evaluated by: JMD
Date: 12/1/2003

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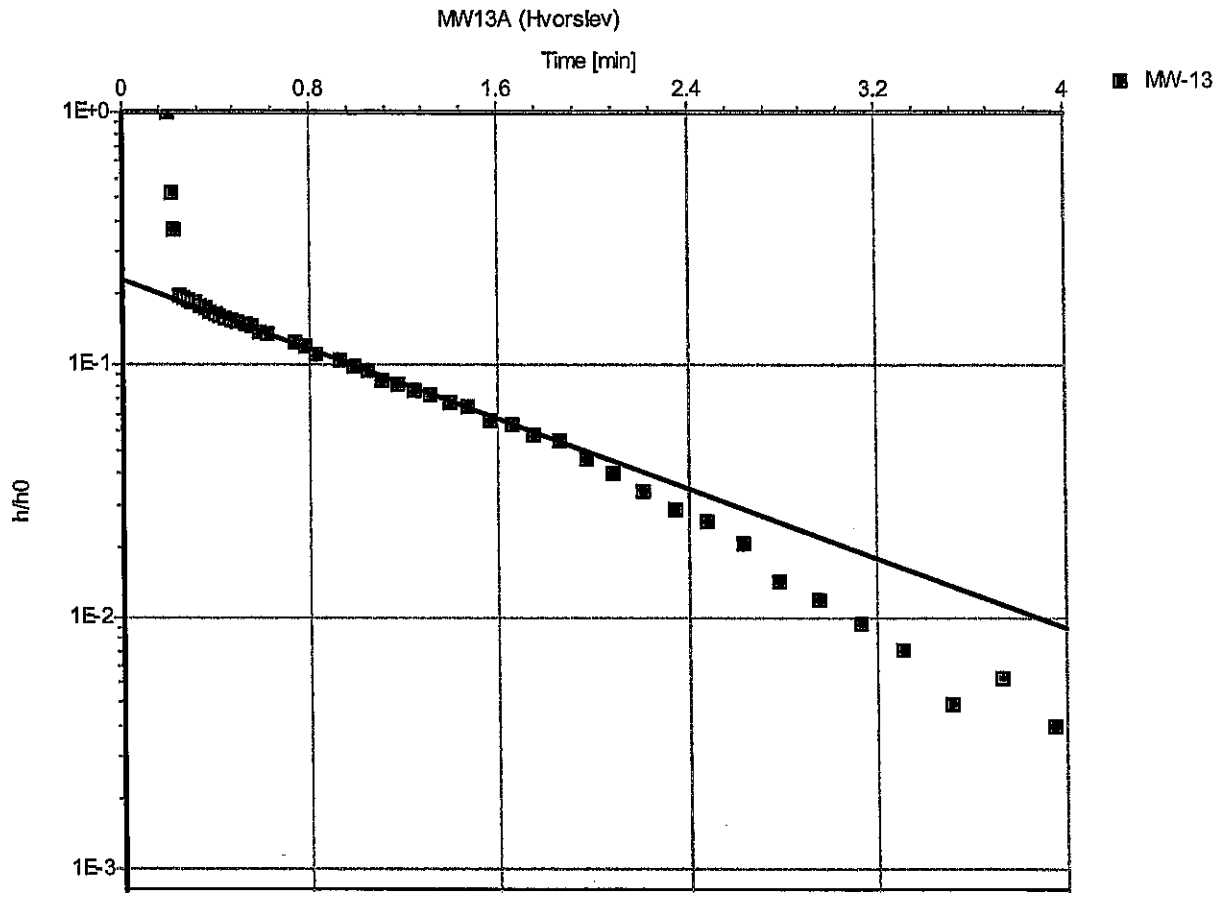
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW13A**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 1.33E+0 [ft/d]

Test parameters:

Test well:	MW-13	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	11.1 [ft]		
Casing radius:	0.086 [ft]		

Comments: DATA SUSPECT

Evaluated by: JMD
Date: 12/1/2003

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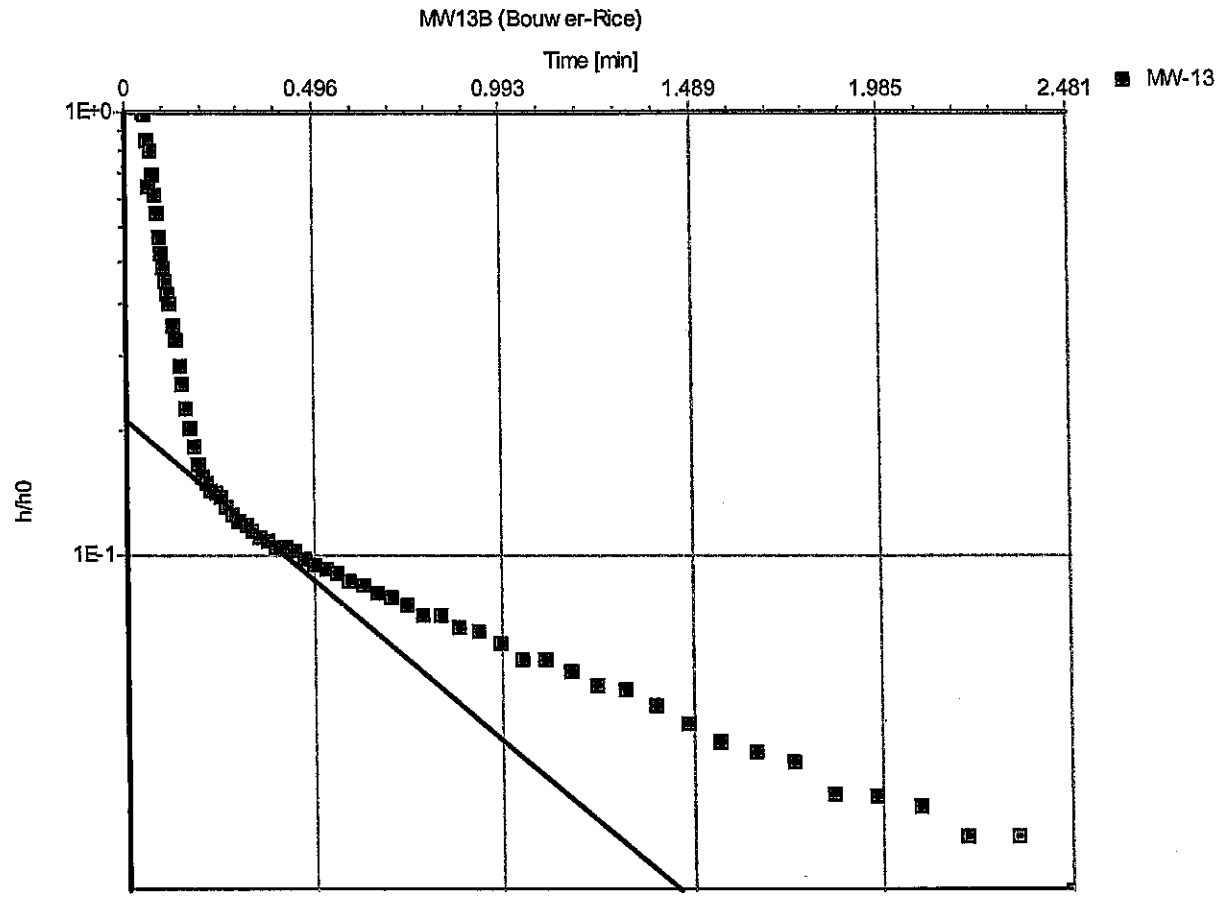
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW13B**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 8.80E+0 [ft/d]

Test parameters:

Test well:	MW-13	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	11.1 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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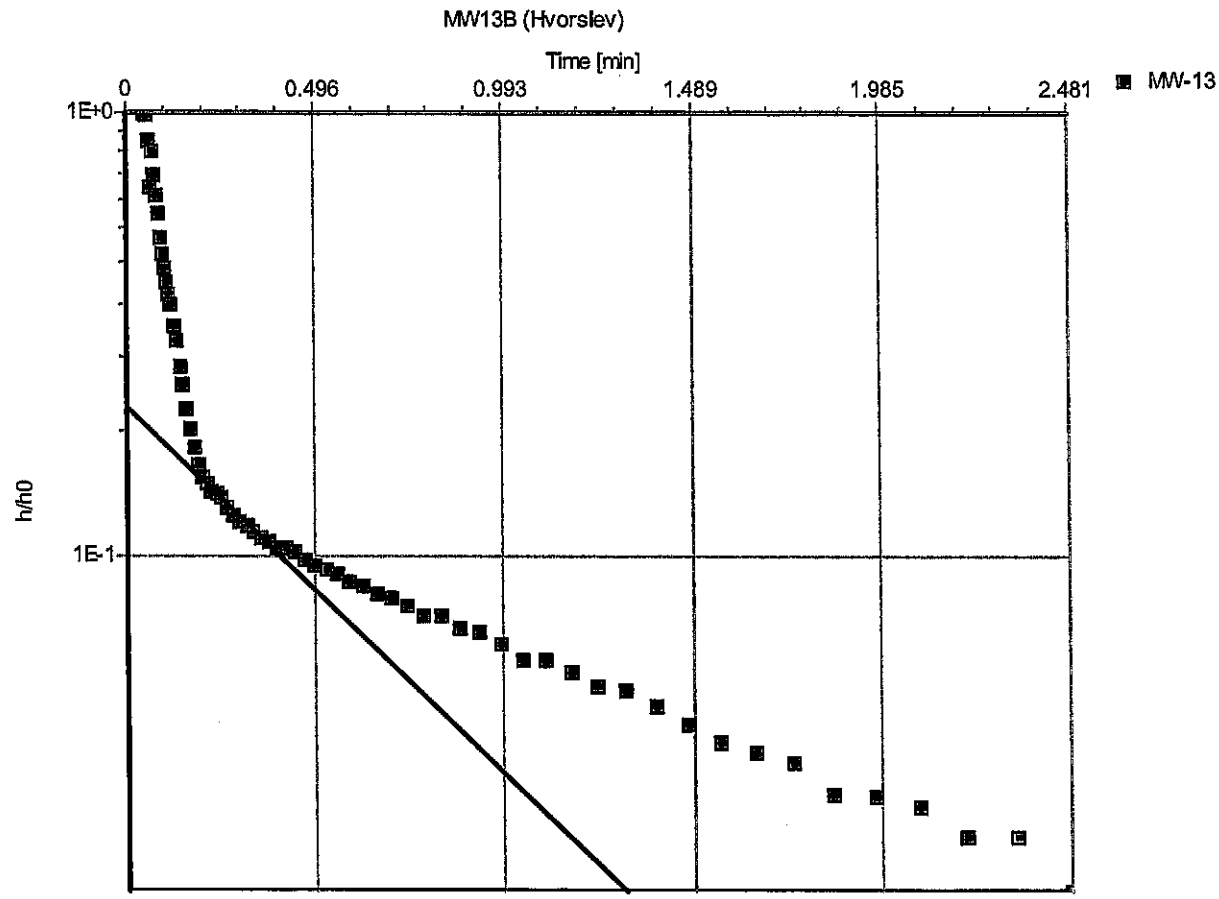
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW13B**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 3.23E+0 [ft/d]

Test parameters:

Test well:	MW-13	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	11.1 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD

Date: 12/1/2003

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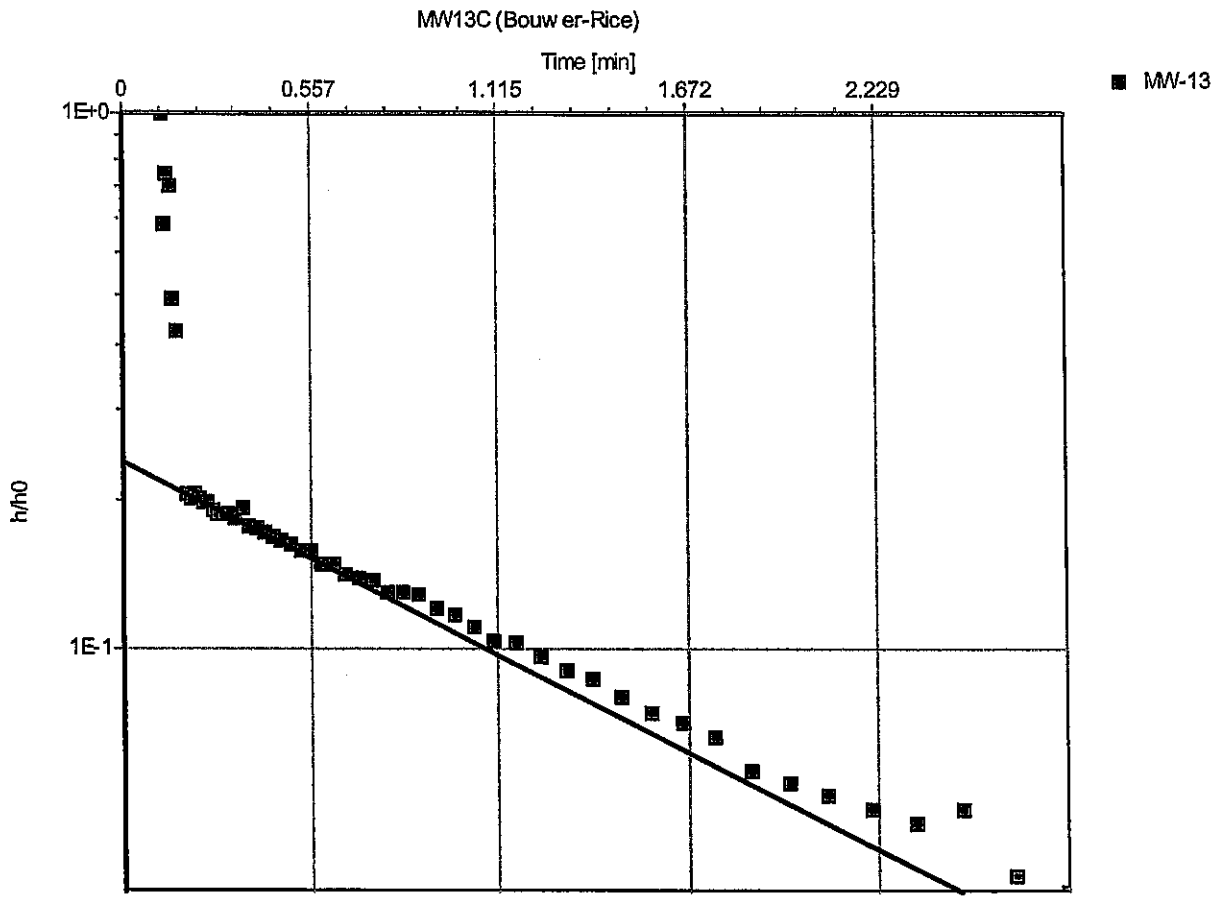
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW13C**

Analysis method: **Bouwer-Rice**

Analysis results: Conductivity: 3.91E+0 [ft/d]

Test parameters:

Test well:	MW-13	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	11.1 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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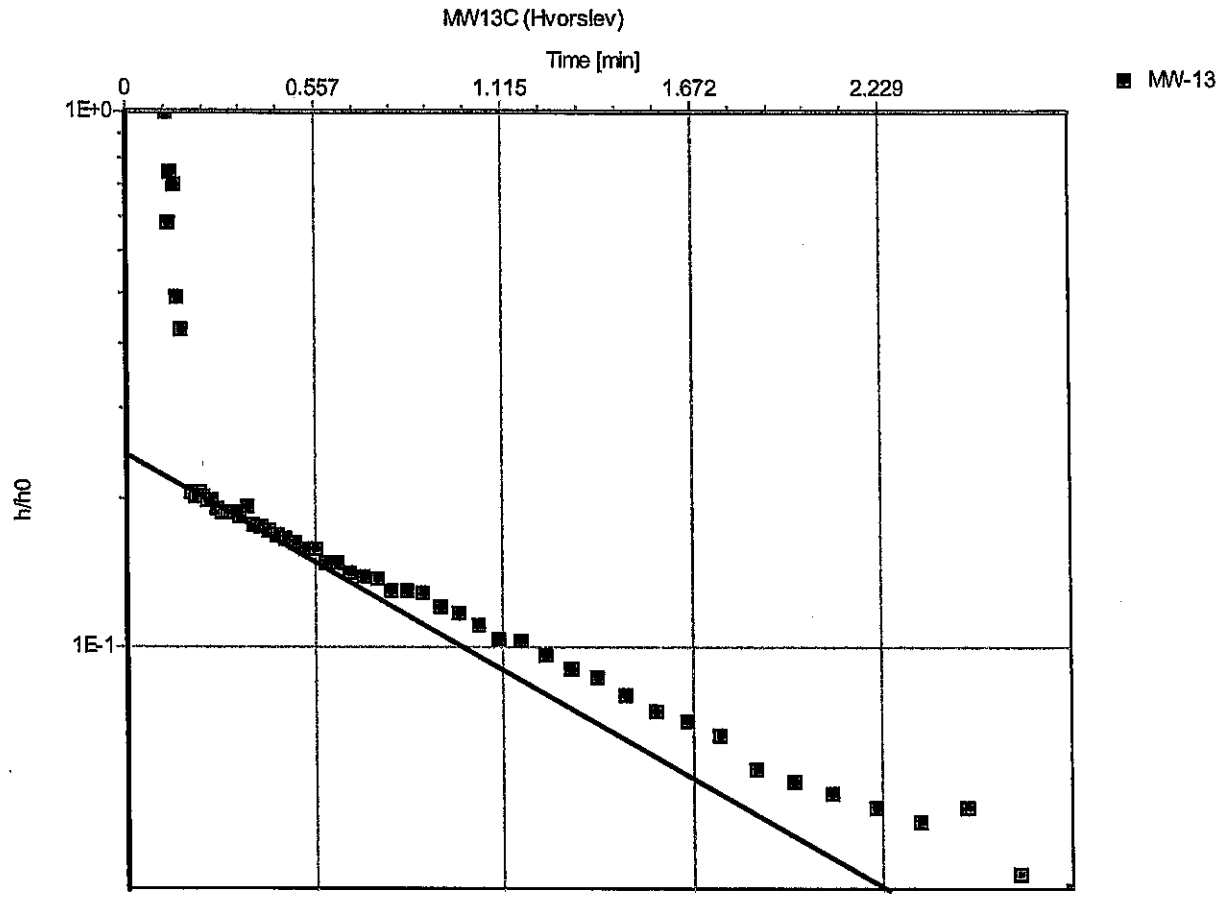
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW13C**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 1.40E+0 [ft/d]

Test parameters:

Test well:	MW-13	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	11.1 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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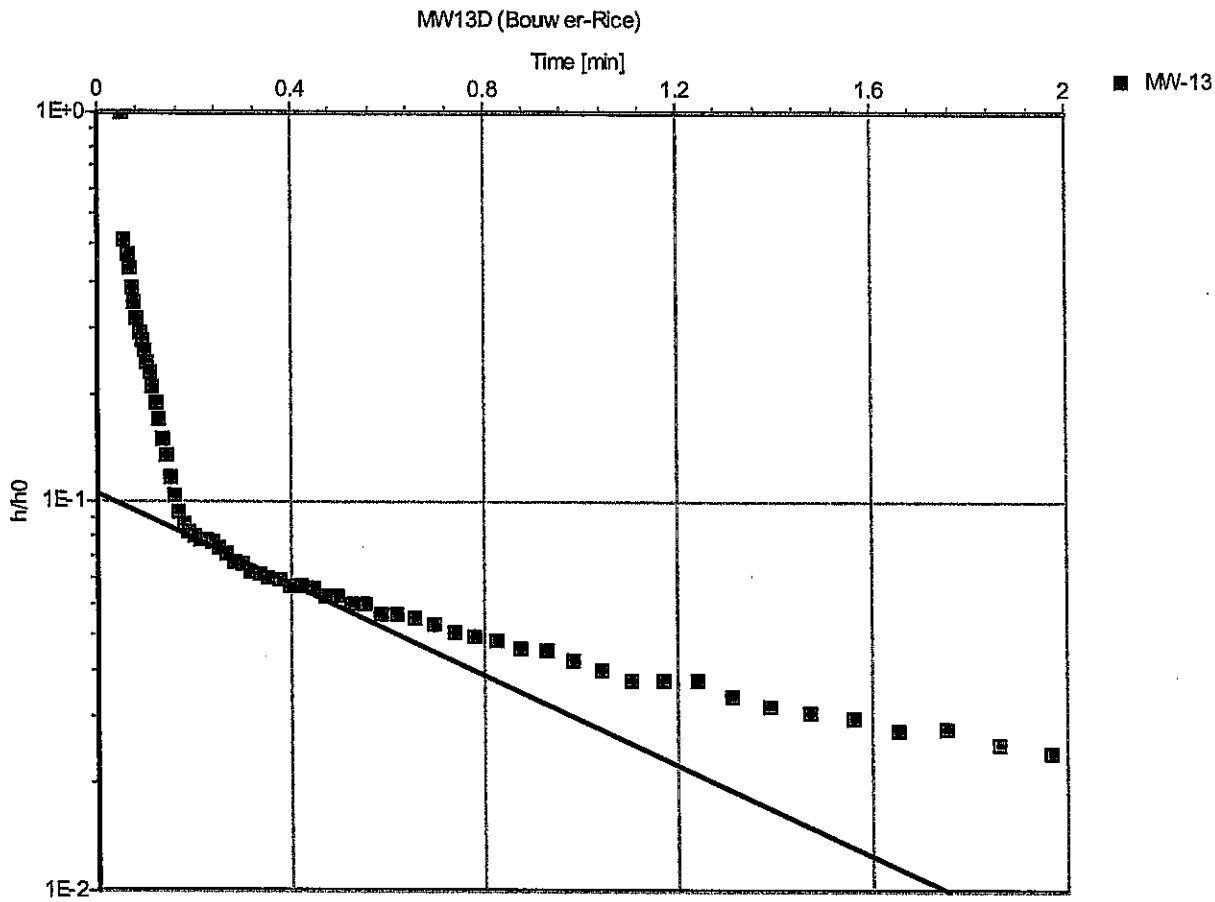
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW13D**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 7.02E+0 [ft/d]

Test parameters:

Test well:	MW-13	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	11.1 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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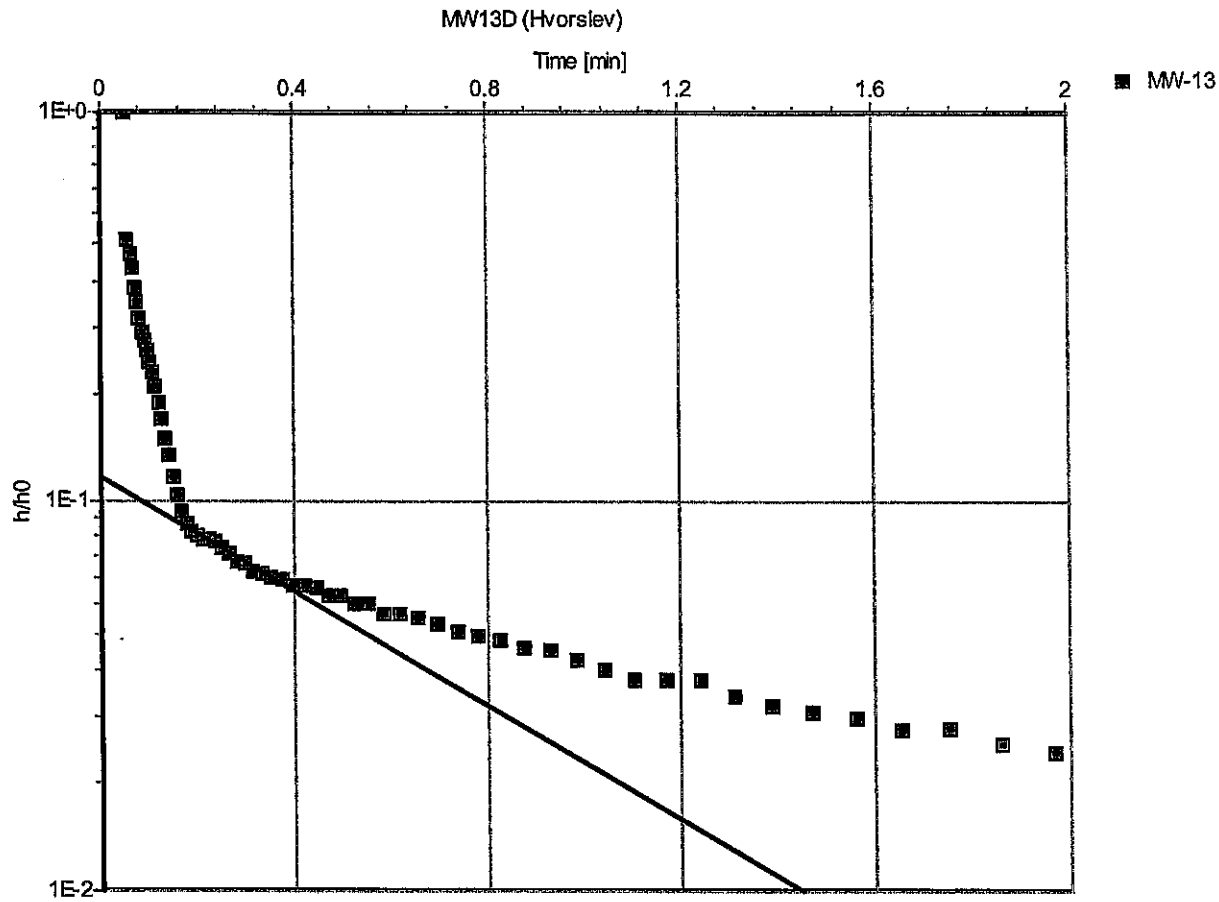
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW13D**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 2.83E+0 [ft/d]

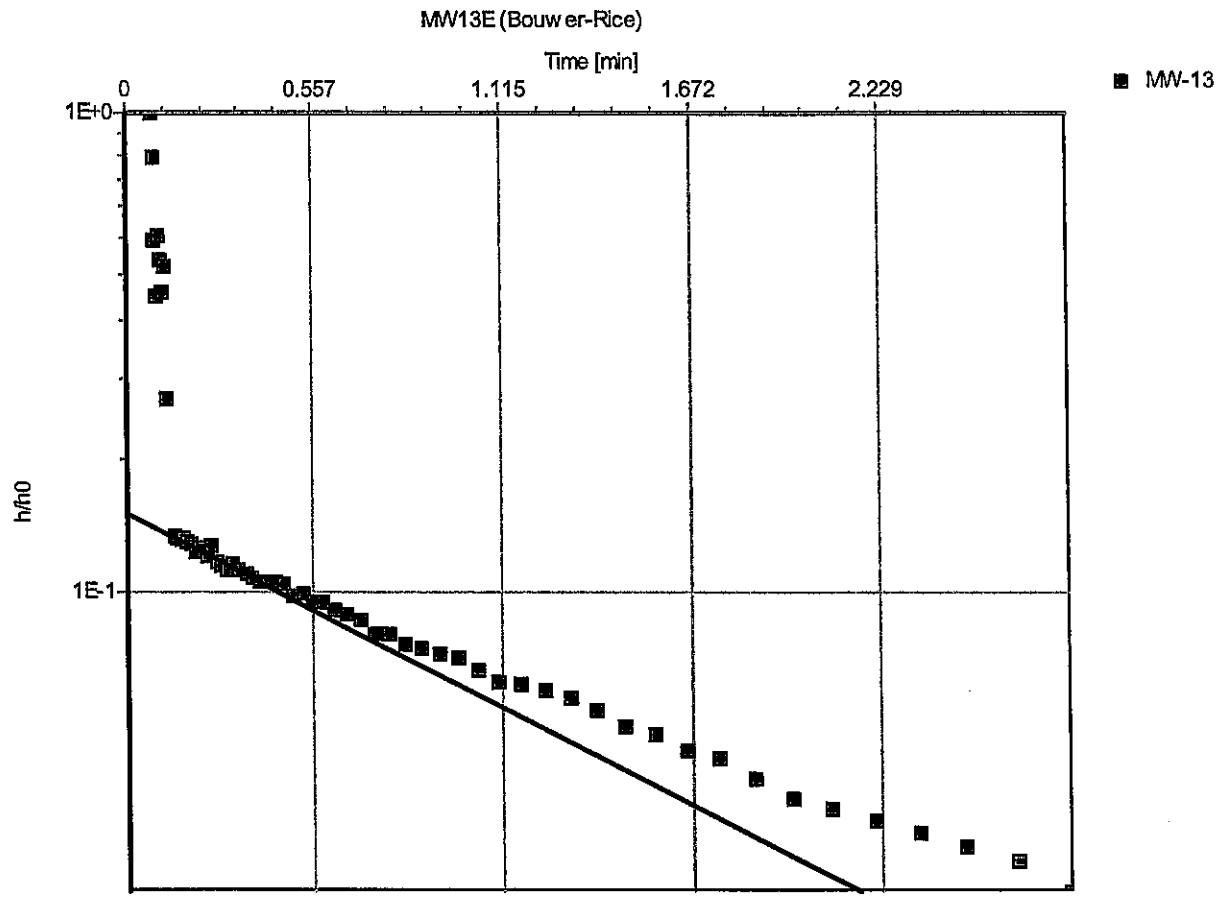
Test parameters:

Test well:	MW-13	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	11.1 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

Converse Consultants	Pumping Test Analysis Report	
731 Pilot Road, Suite H	Project:	Kishner/Maryland Square
Las Vegas, Nevada 89119	No:	00-43367-06
Phone: (702) 269-8336	Client:	



Test name: **MW13E**

Analysis method: **Bouwer-Rice**

Analysis results: Conductivity: 4.38E+0 [ft/d]

Test parameters:				
	Test well:	MW-13	Aquifer thickness:	25 [ft]
	Screen radius:	0.344 [ft]		
	Screen length:	11.1 [ft]		
	Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD

Date: 12/1/2003

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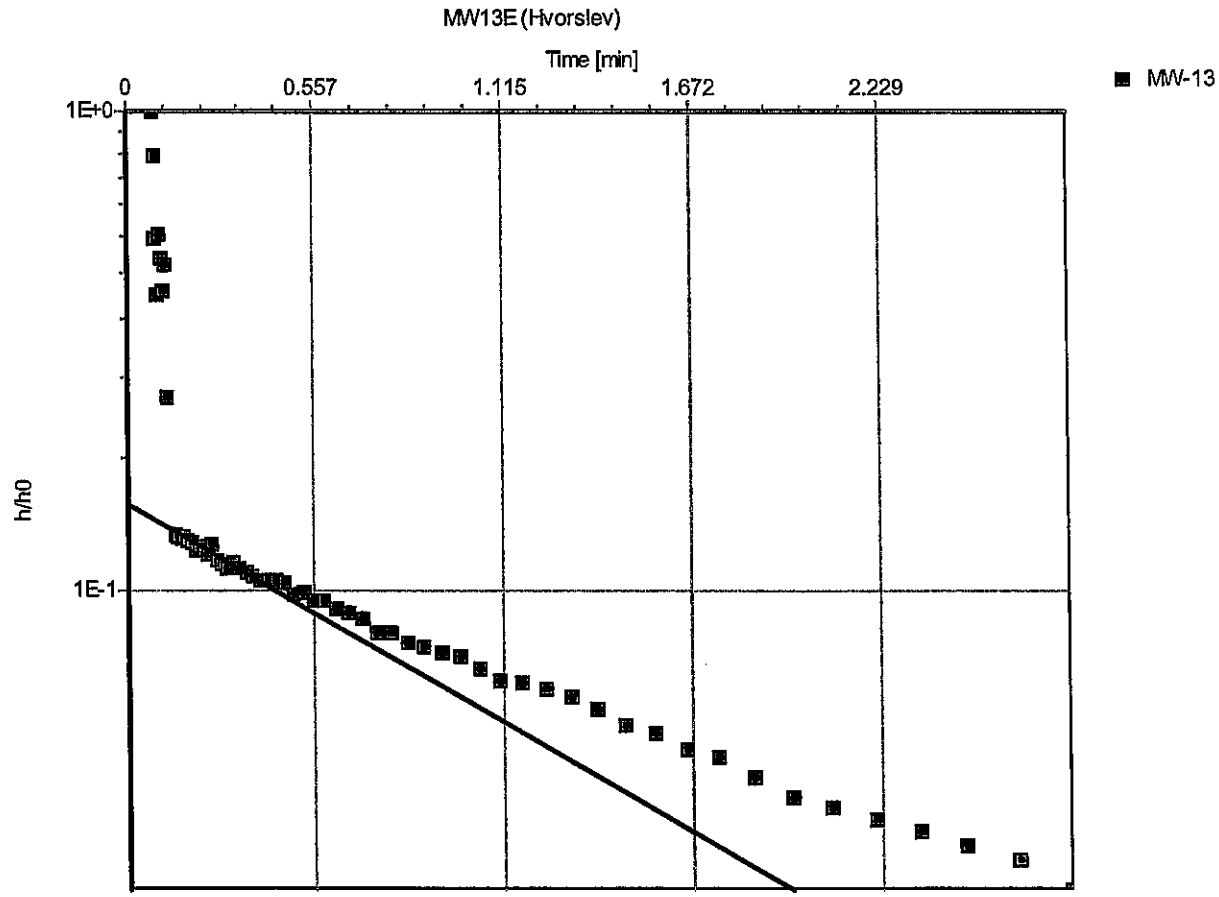
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW13E**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 1.58E+0 [ft/d]

Test parameters:

Test well:	MW-13	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	11.1 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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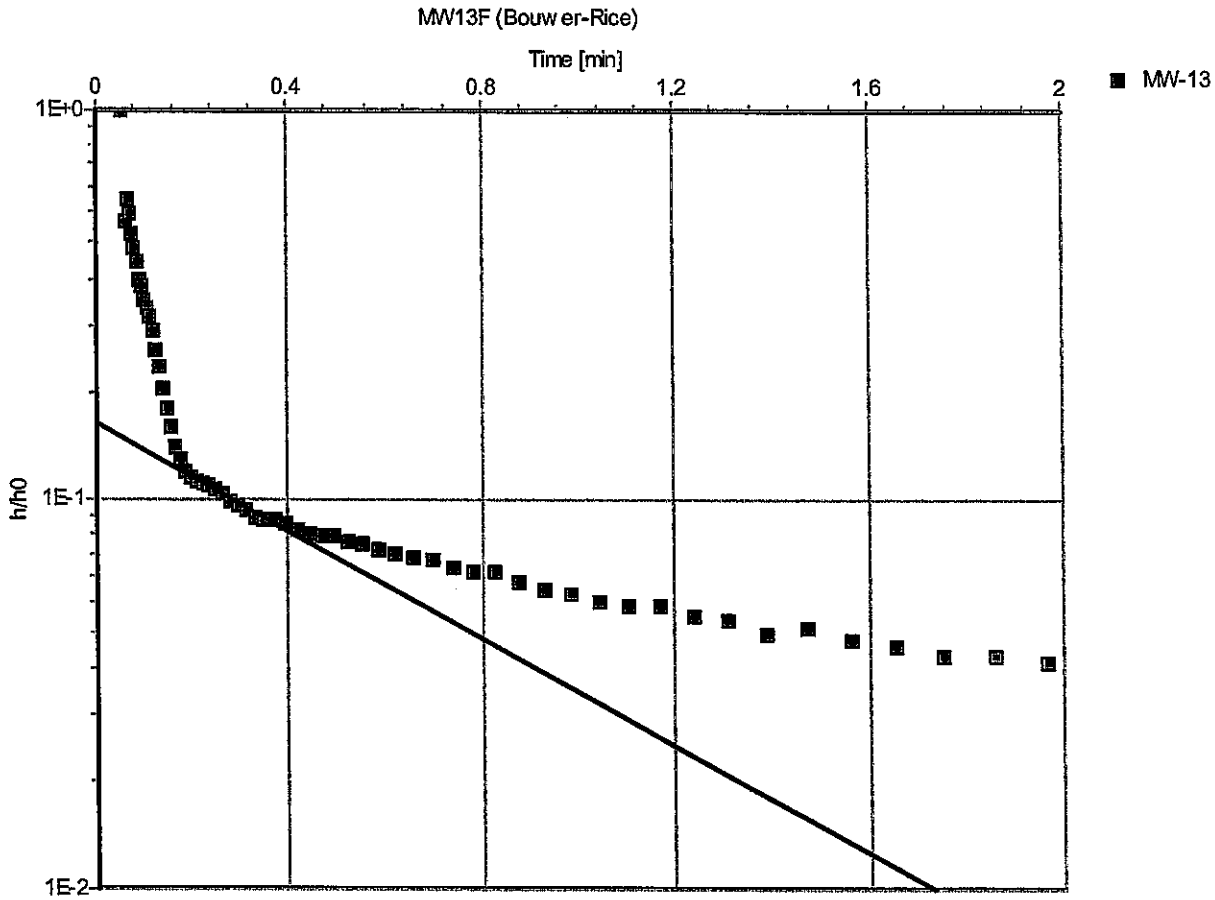
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW13F**

Analysis method: **Bouwer-Rice**

Analysis results: Conductivity: 8.32E+0 [ft/d]

Test parameters:				
	Test well:	MW-13	Aquifer thickness:	25 [ft]
	Screen radius:	0.344 [ft]		
	Screen length:	11.1 [ft]		
	Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
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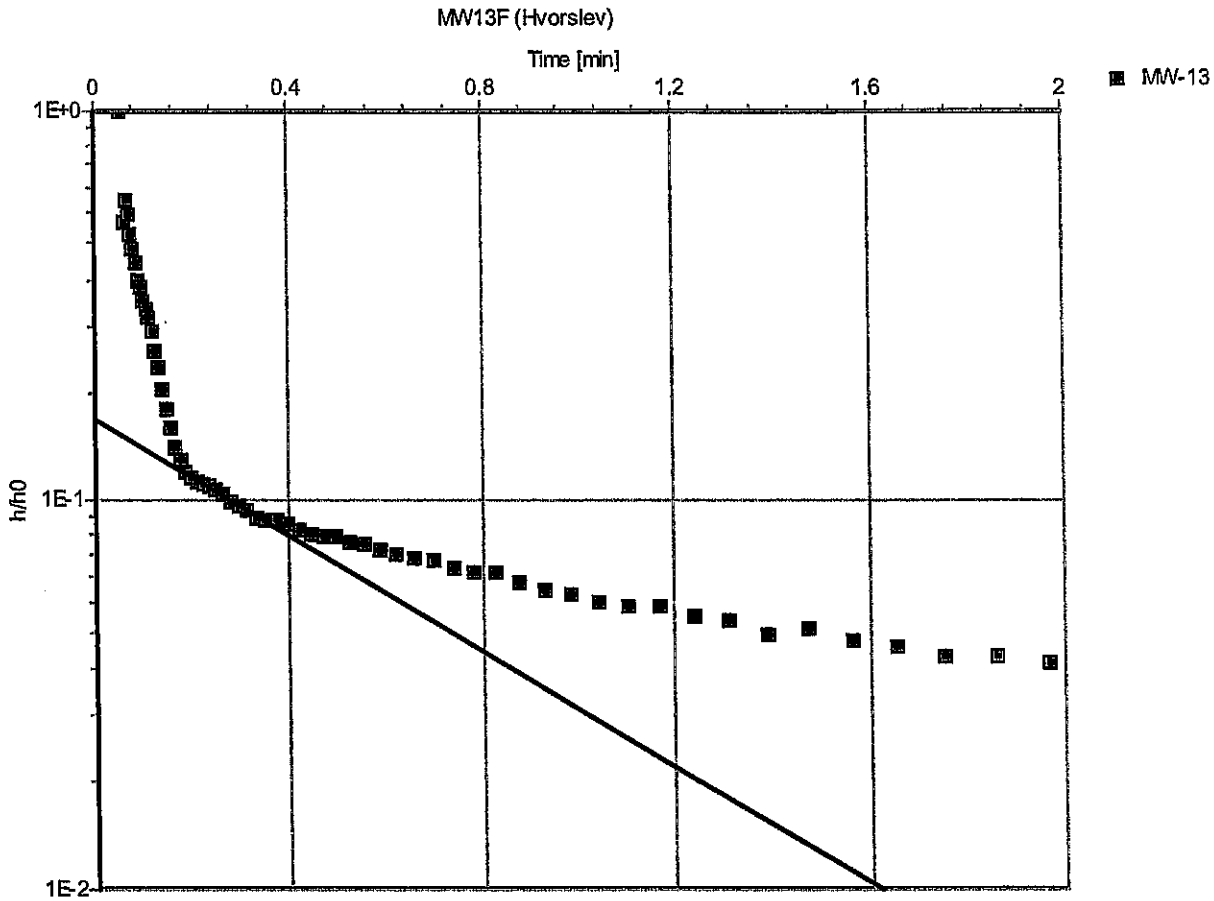

Test name: **MW13F**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 2.89E+0 [ft/d]

Test parameters:

Test well:	MW-13	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	11.1 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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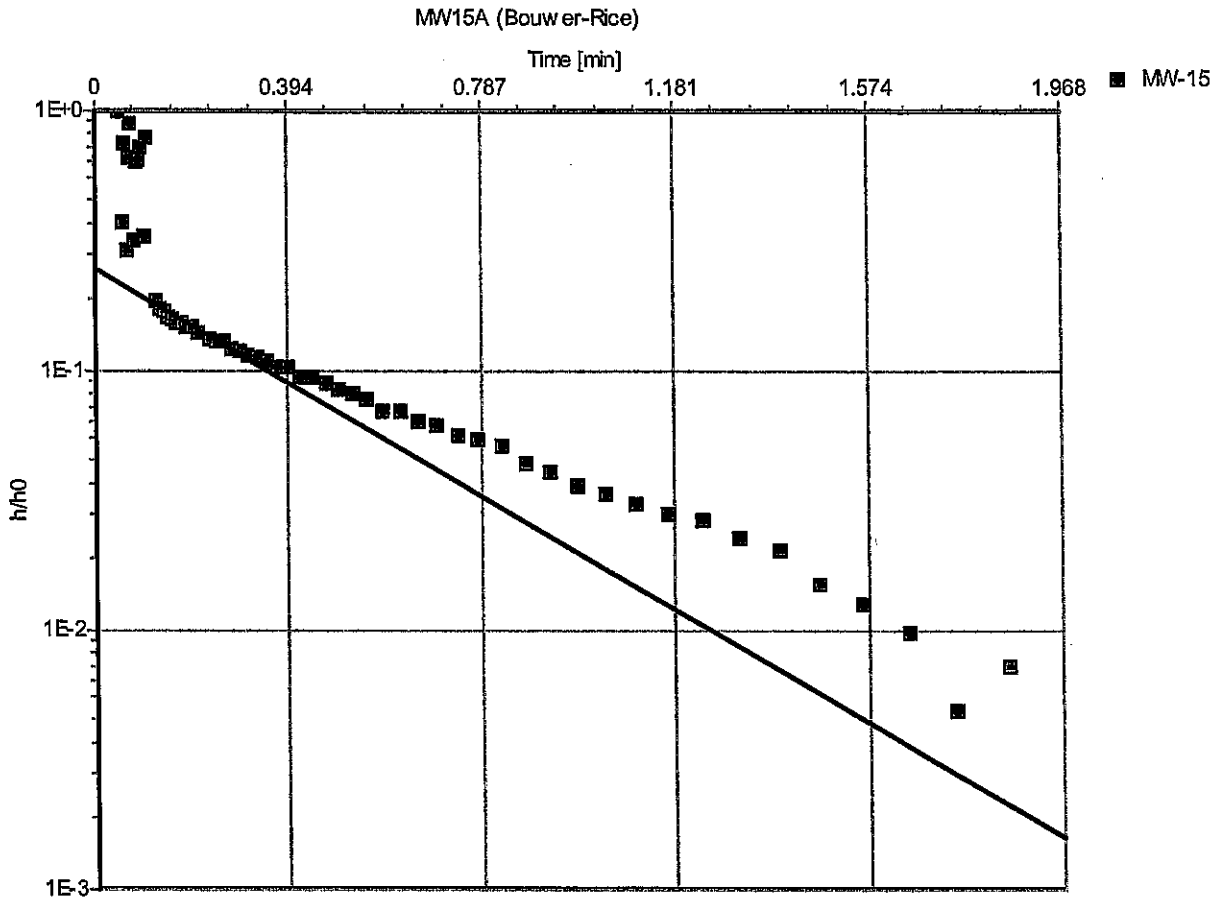
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW15A**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 1.18E+1 [ft/d]

Test parameters:

Test well:	MW-15	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	13.6 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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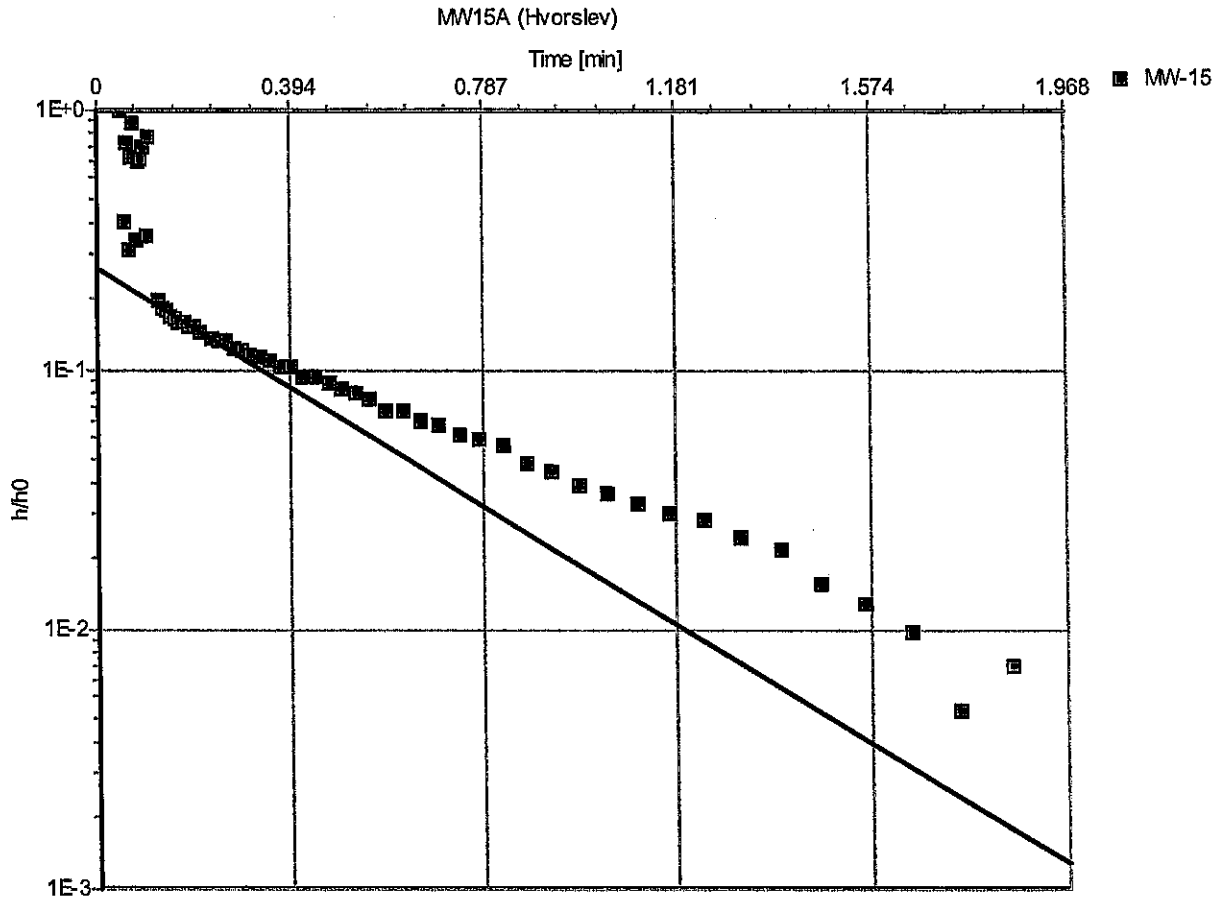
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW15A**

Analysis method: **Hvorslev**

Analysis results: Conductivity: 3.88E+0 [ft/d]

Test parameters:

Test well:	MW-15	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	13.6 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
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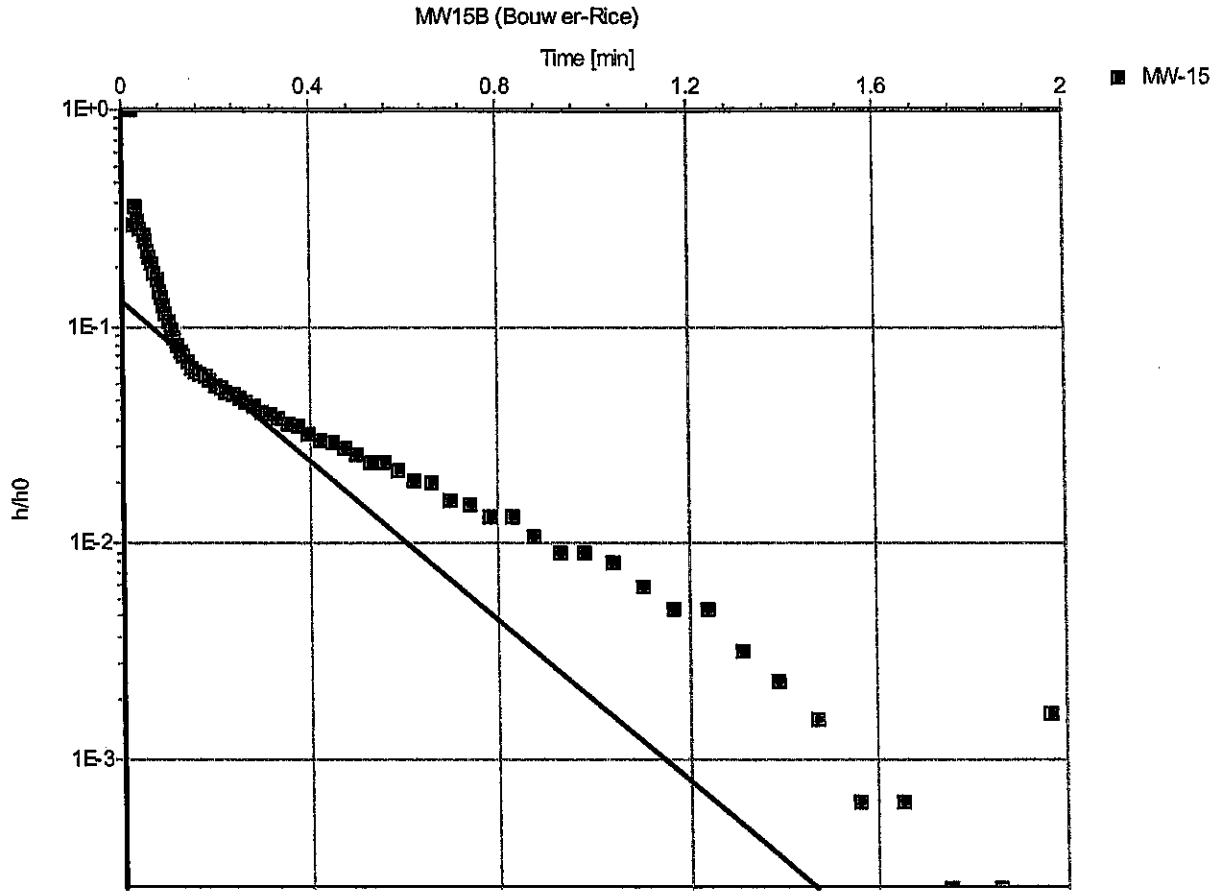

Test name: **MW15B**

Analysis method: **Bouwer-Rice**

Analysis results: Conductivity: 1.95E+1 [ft/d]

Test parameters:

Test well:	MW-15	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	13.6 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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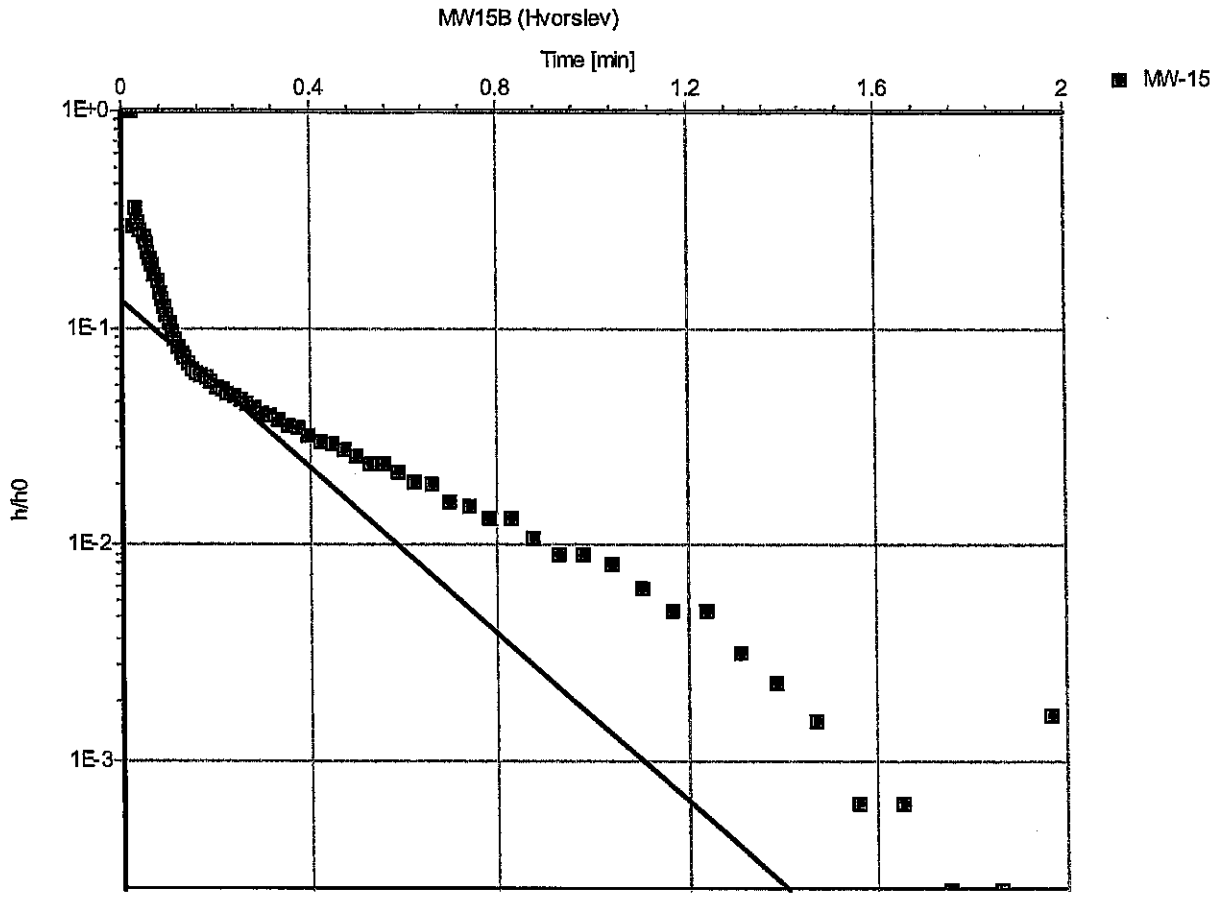
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW15B**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 6.41E+0 [ft/d]

Test parameters:

Test well:	MW-15	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	13.6 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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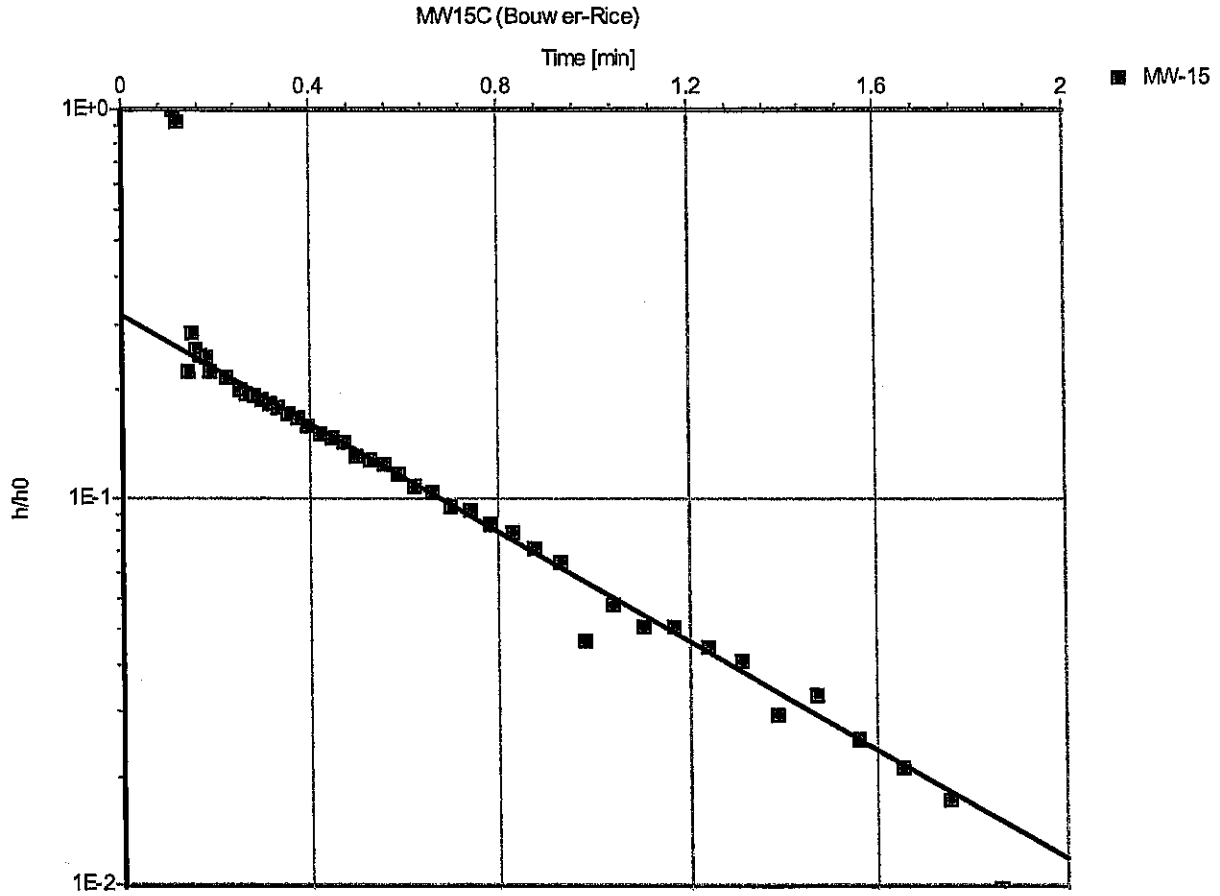
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW15C**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 7.43E+0 [ft/d]

Test parameters:

Test well:	MW-15	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	13.6 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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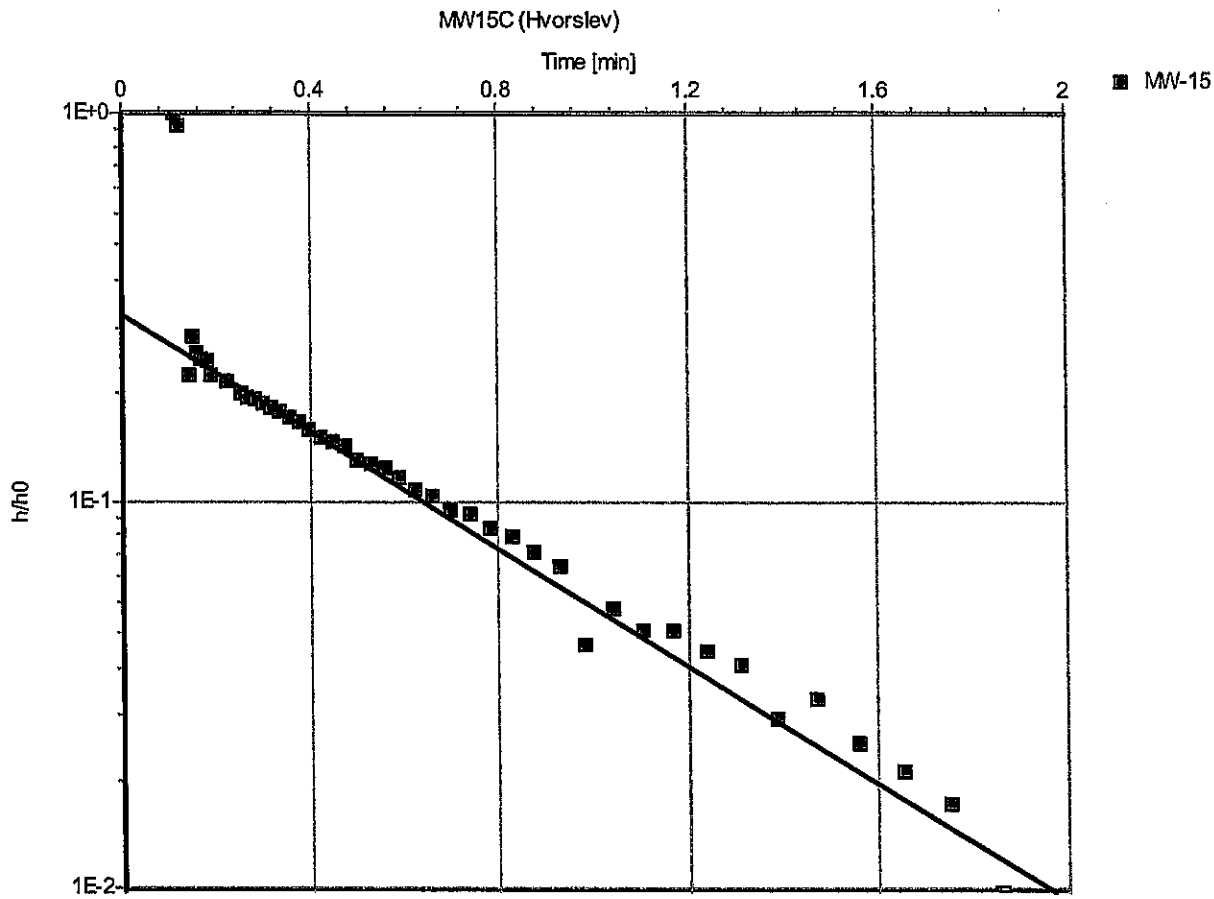
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW15C**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 2.53E+0 [ft/d]

Test parameters:

Test well:	MW-15	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	13.6 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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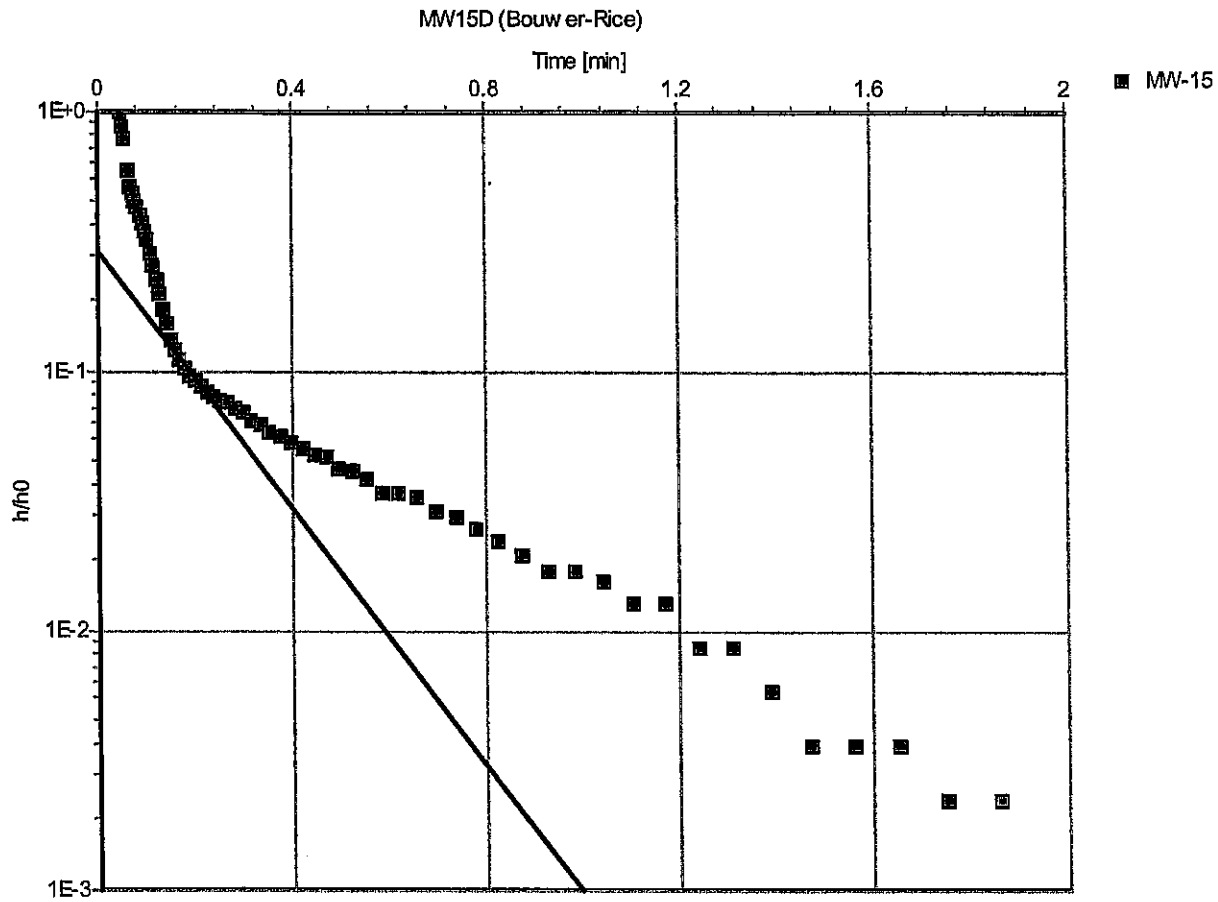
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW15D**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 2.62E+1 [ft/d]

Test parameters:

Test well:	MW-15	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	13.6 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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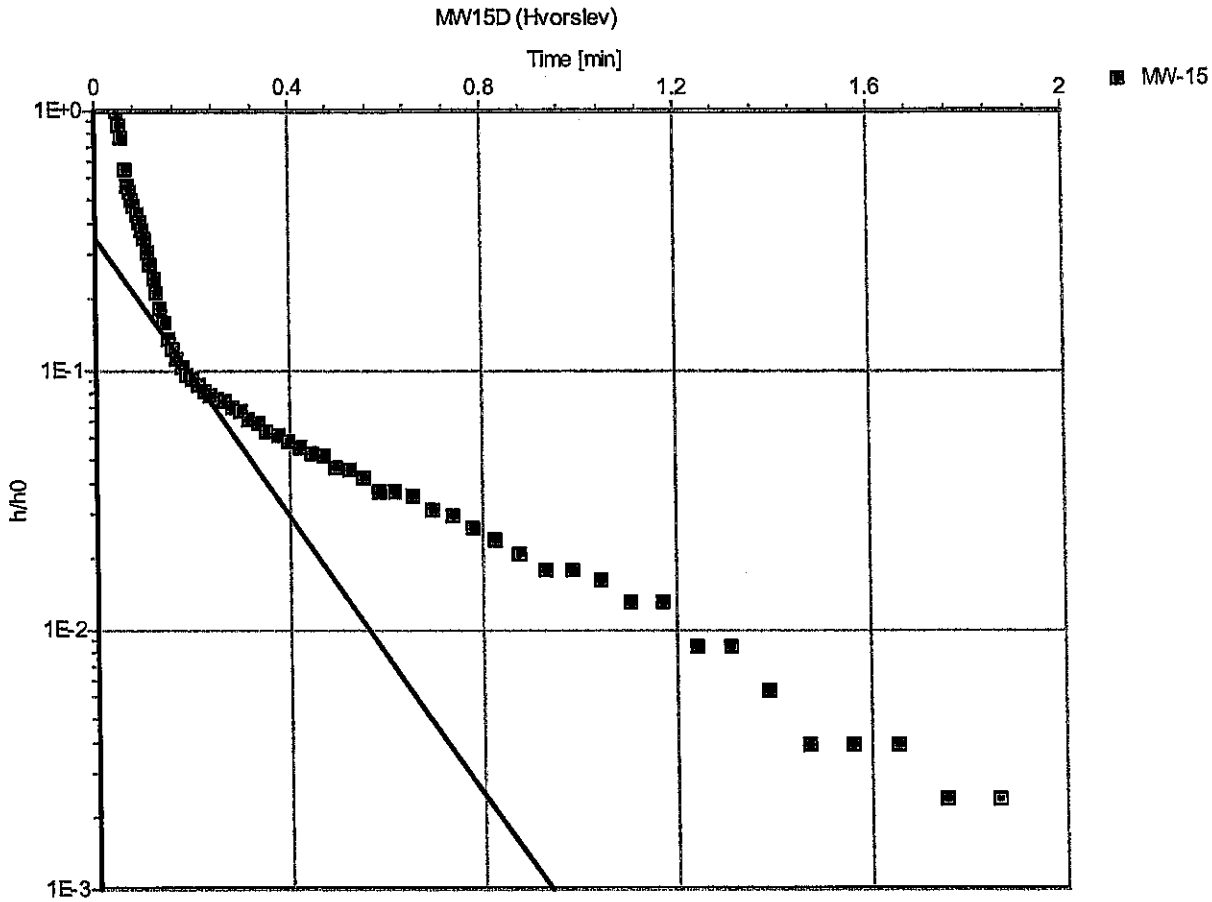
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW15D**

Analysis method: **Hvorslev**

Analysis results: Conductivity: 8.91E+0 [ft/d]

Test parameters:				
	Test well:	MW-15	Aquifer thickness:	25 [ft]
	Screen radius:	0.344 [ft]		
	Screen length:	13.6 [ft]		
	Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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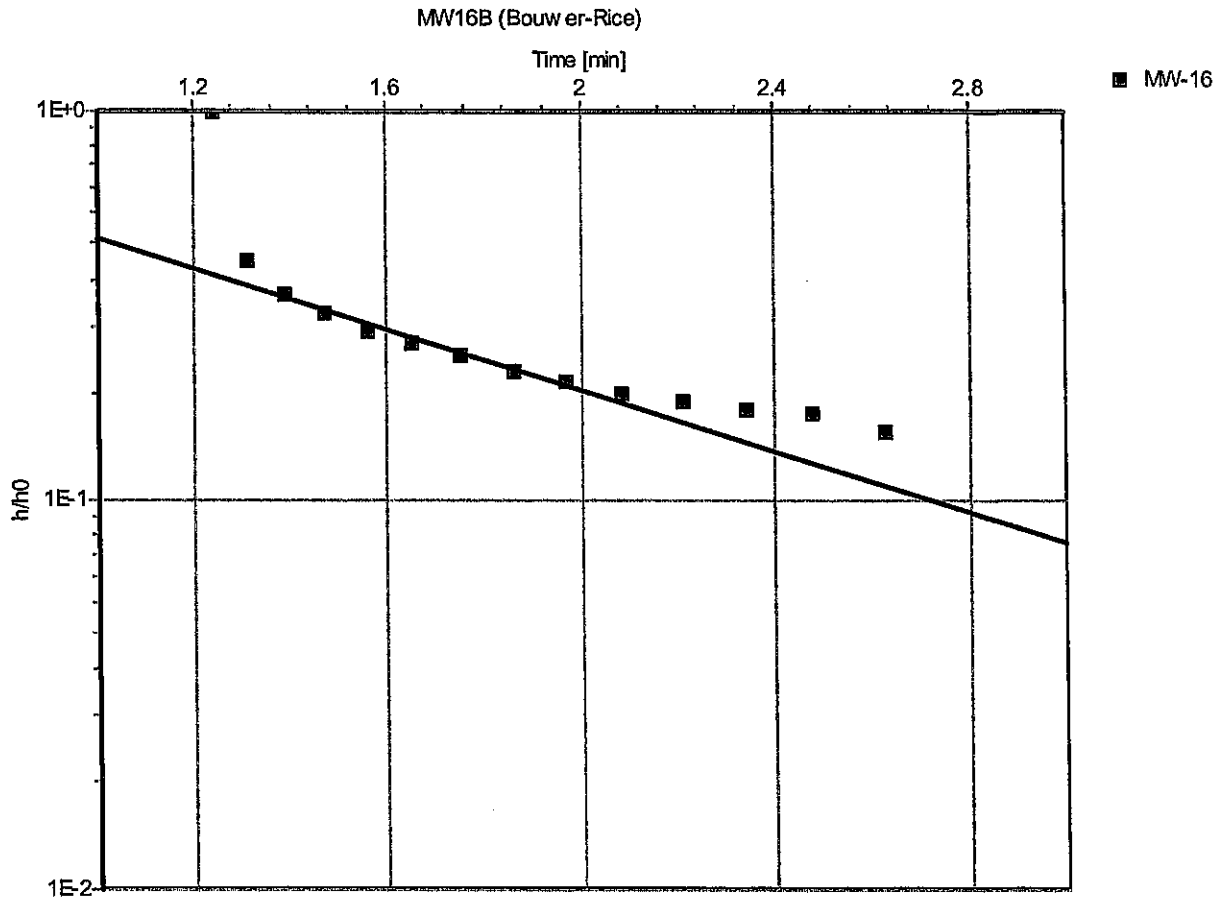
Las Vegas, Nevada 89119
Phone: (702) 269-8336

Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW16B**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 6.30E+0 [ft/d]

Test parameters:

Test well:	MW-16	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	6.69 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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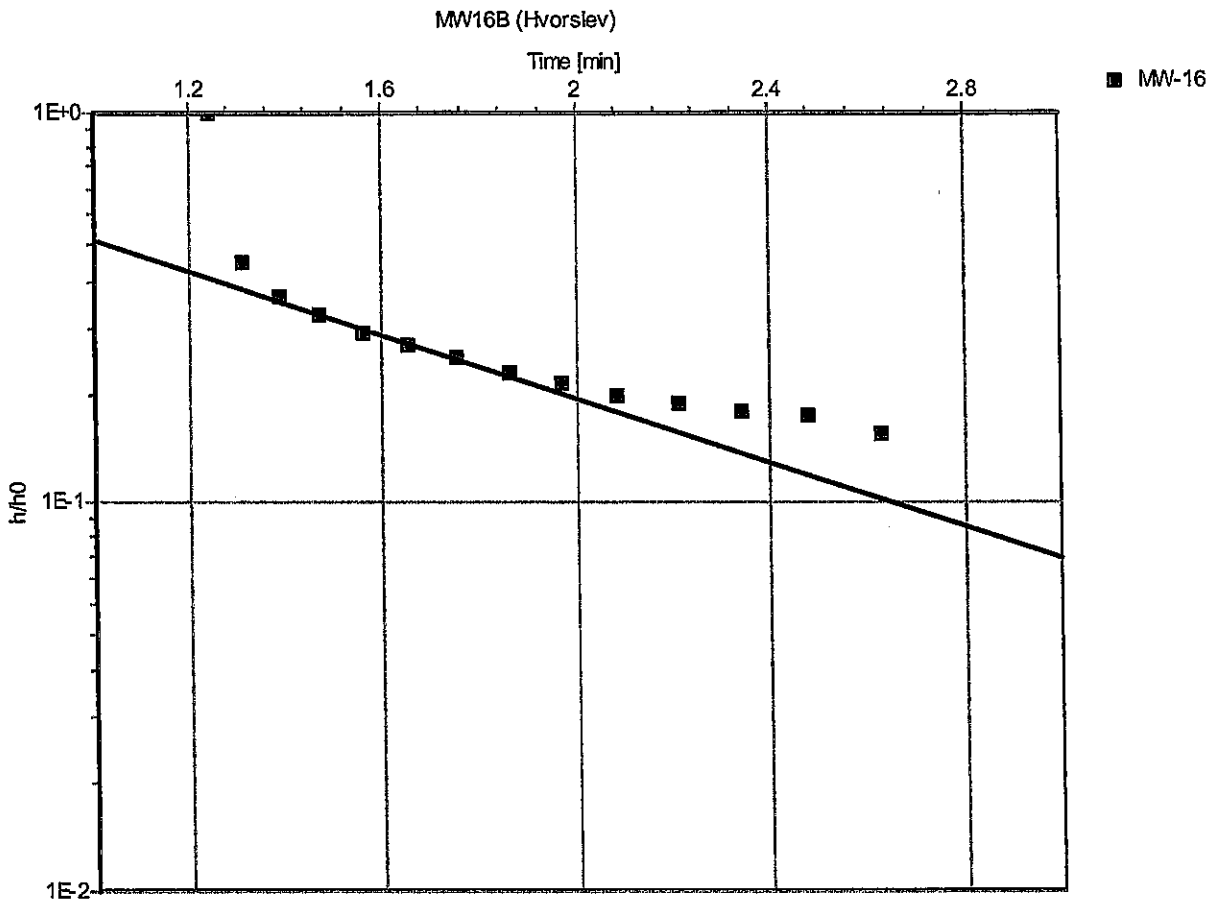
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW16B**

Analysis method: **Hvorslev**

Analysis results: Conductivity: 2.23E+0 [ft/d]

Test parameters:

Test well:	MW-16	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	6.69 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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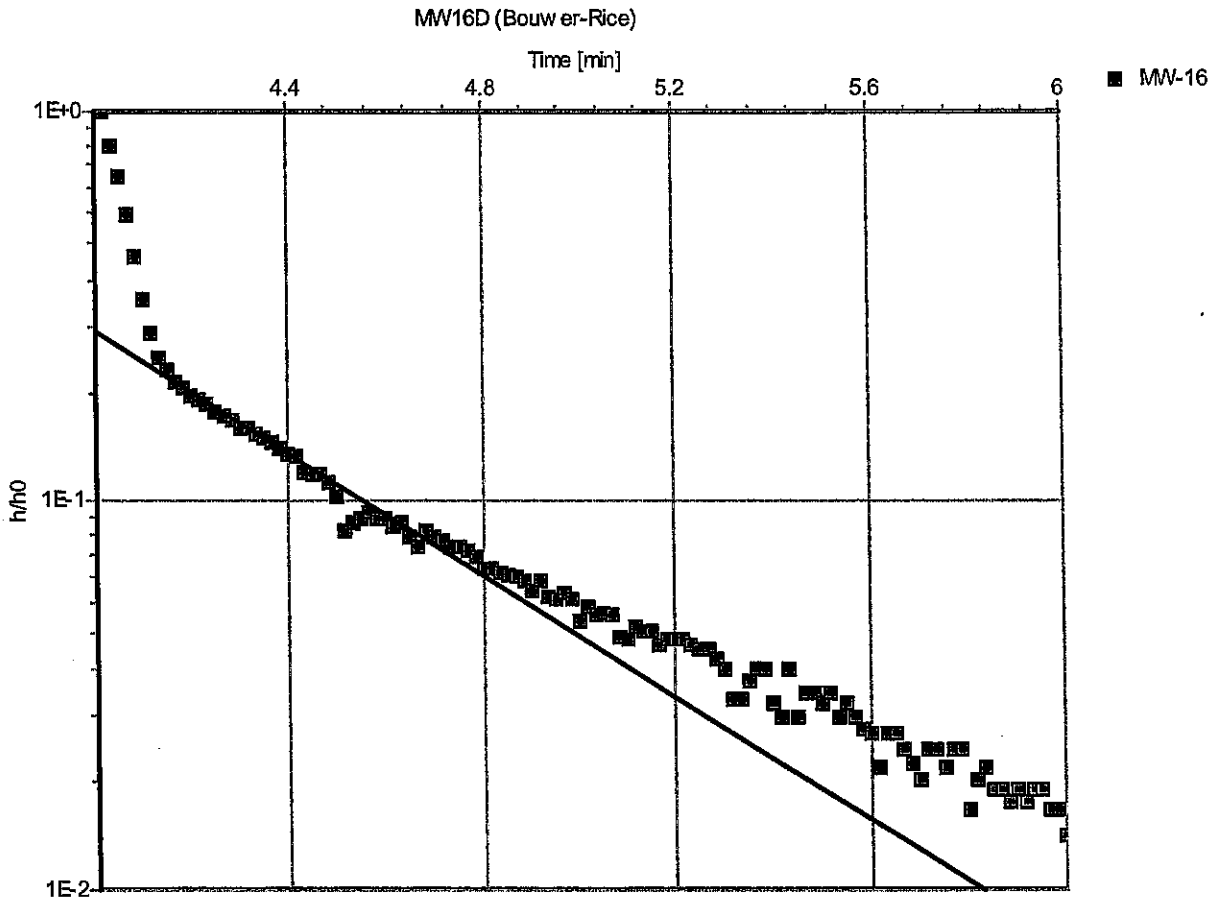
No:	00-43367-06
Client:	



Test name: **MW16D**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 1.27E+1 [ft/d]

Test parameters:

Test well:	MW-16	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	6.69 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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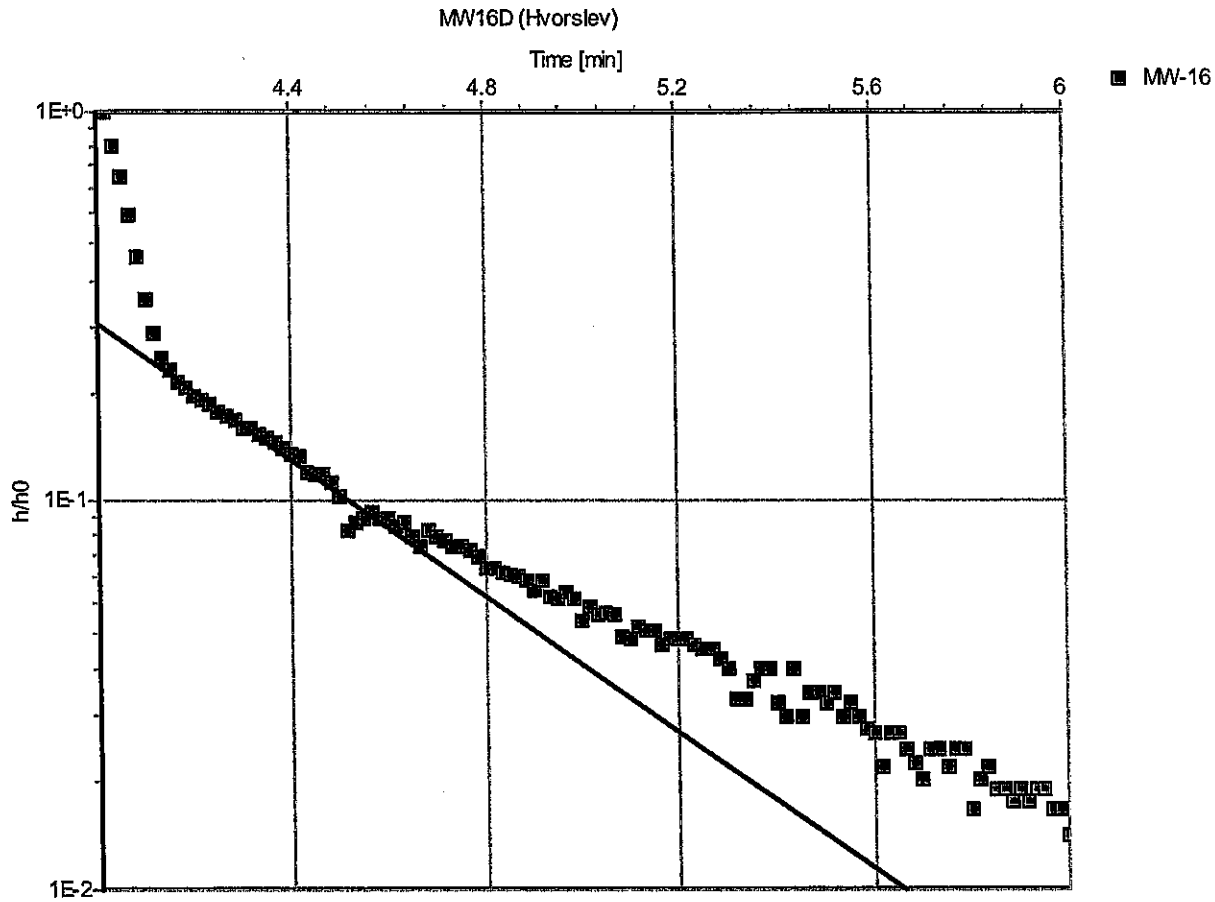
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW16D**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 4.80E+0 [ft/d]

Test parameters:

Test well:	MW-16	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	6.69 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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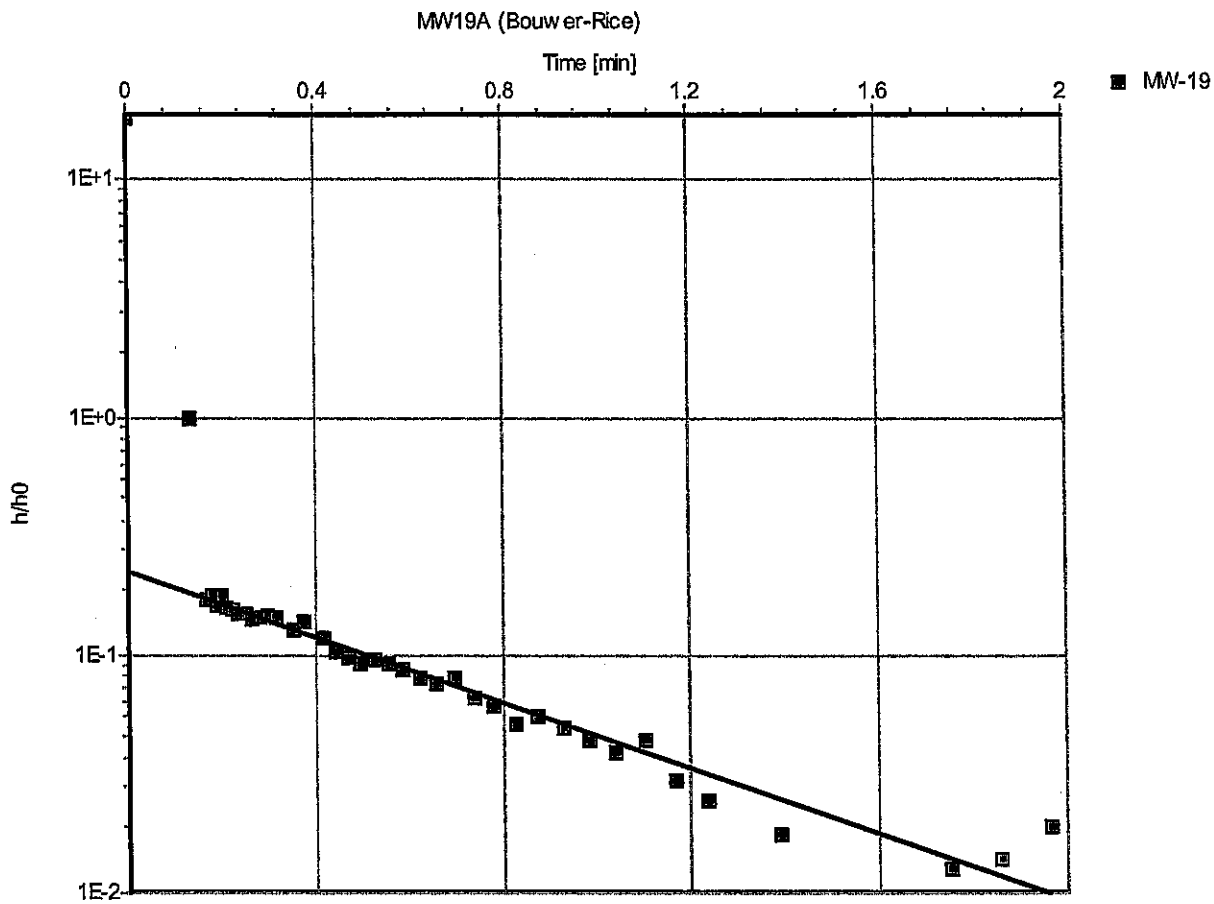
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW19A**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 1.28E+1 [ft/d]

Test parameters:

Test well:	MW-19	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	5.08 [ft]		
Casing radius:	0.086 [ft]		

Comments: EXCESSIVE OSCILLATION

Evaluated by: JMD
Date: 12/1/2003

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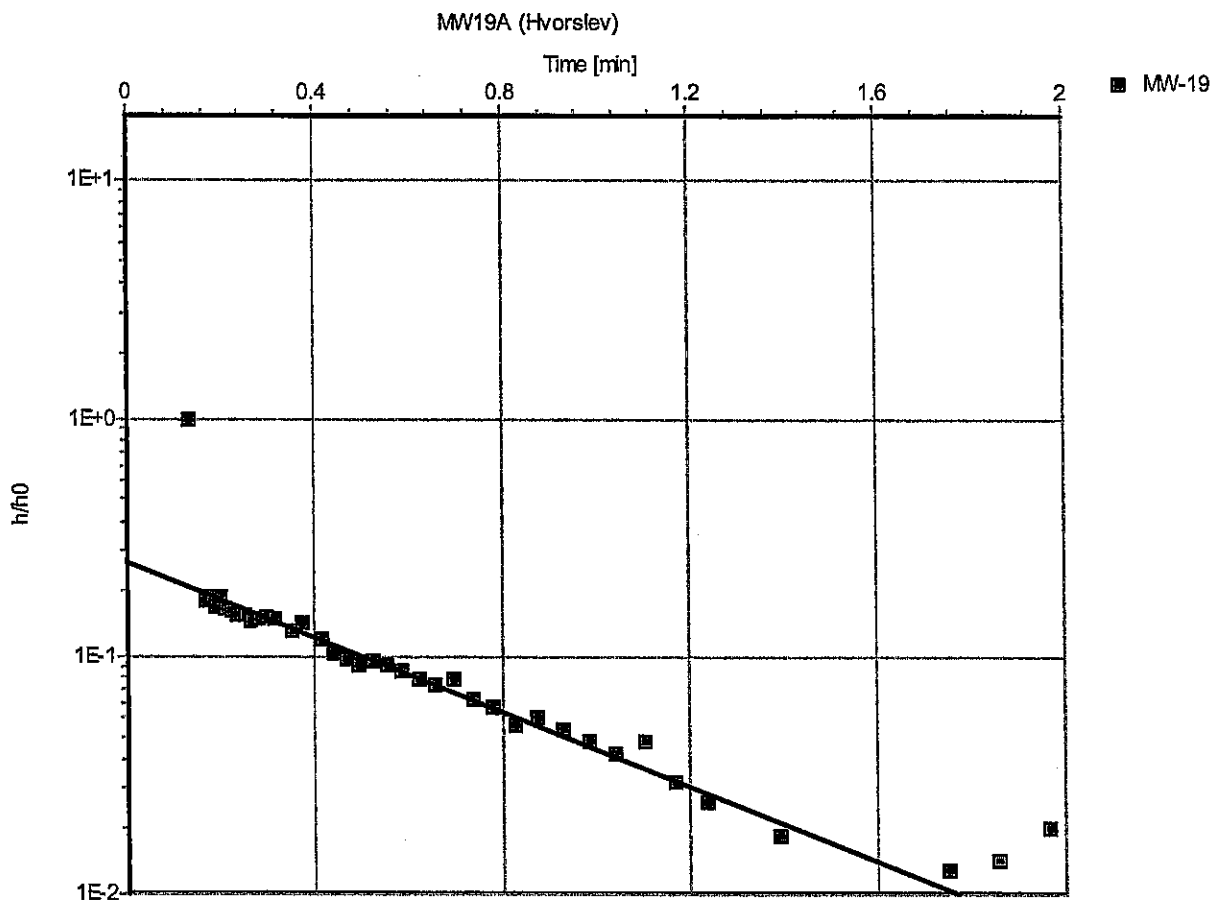
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW19A**

Analysis method: **Hvorslev**

Analysis results: Conductivity: 5.15E+0 [ft/d]

Test parameters:

Test well:	MW-19	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	5.08 [ft]		
Casing radius:	0.086 [ft]		

Comments: EXCESSIVE OSCILLATION

Evaluated by: JMD
Date: 12/1/2003

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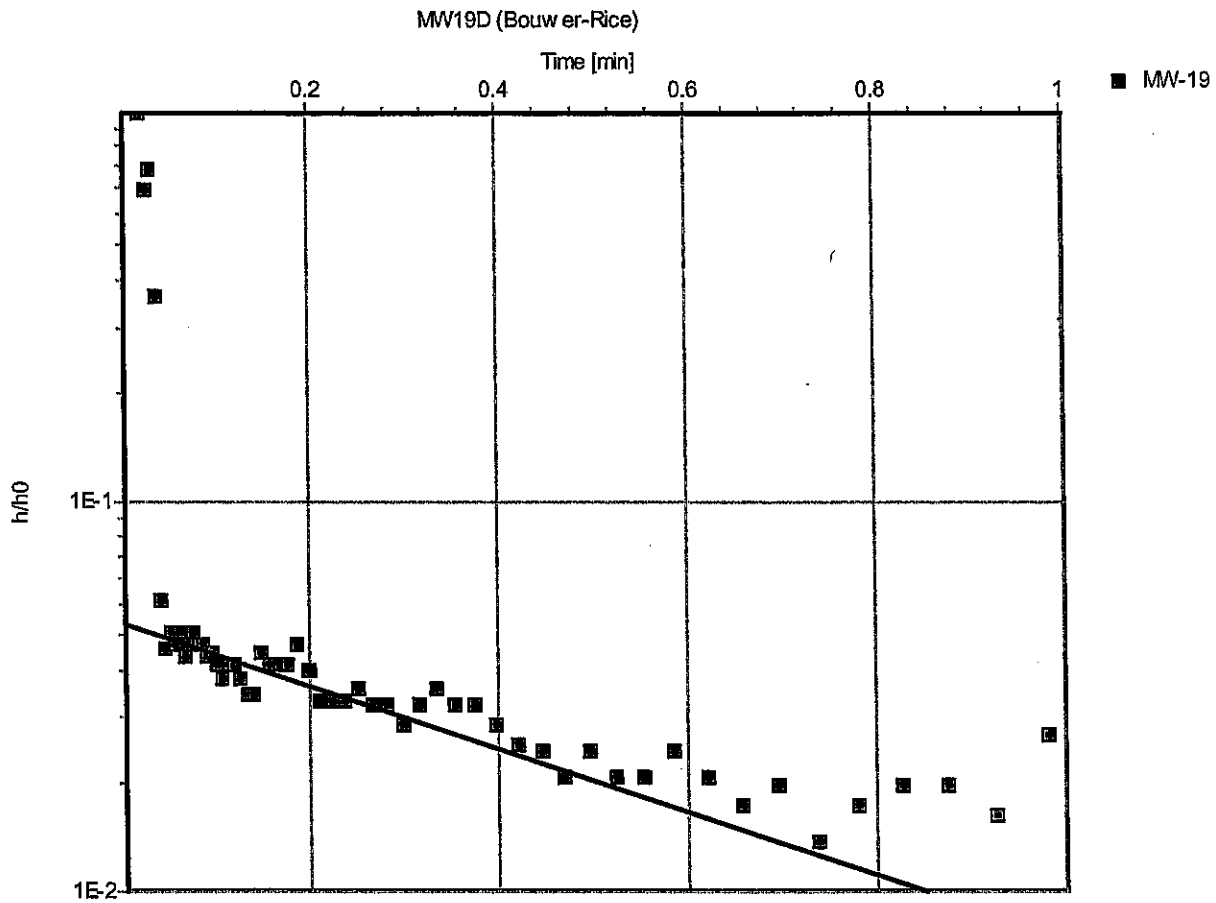
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW19D**

Analysis method: **Bouwer-Rice**

Analysis results: Conductivity: 1.50E+1 [ft/d]

Test parameters:

Test well:	MW-19	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	5.08 [ft]		
Casing radius:	0.086 [ft]		

Comments: EXCESSIVE OSCILLATION

Evaluated by: JMD
Date: 12/1/2003

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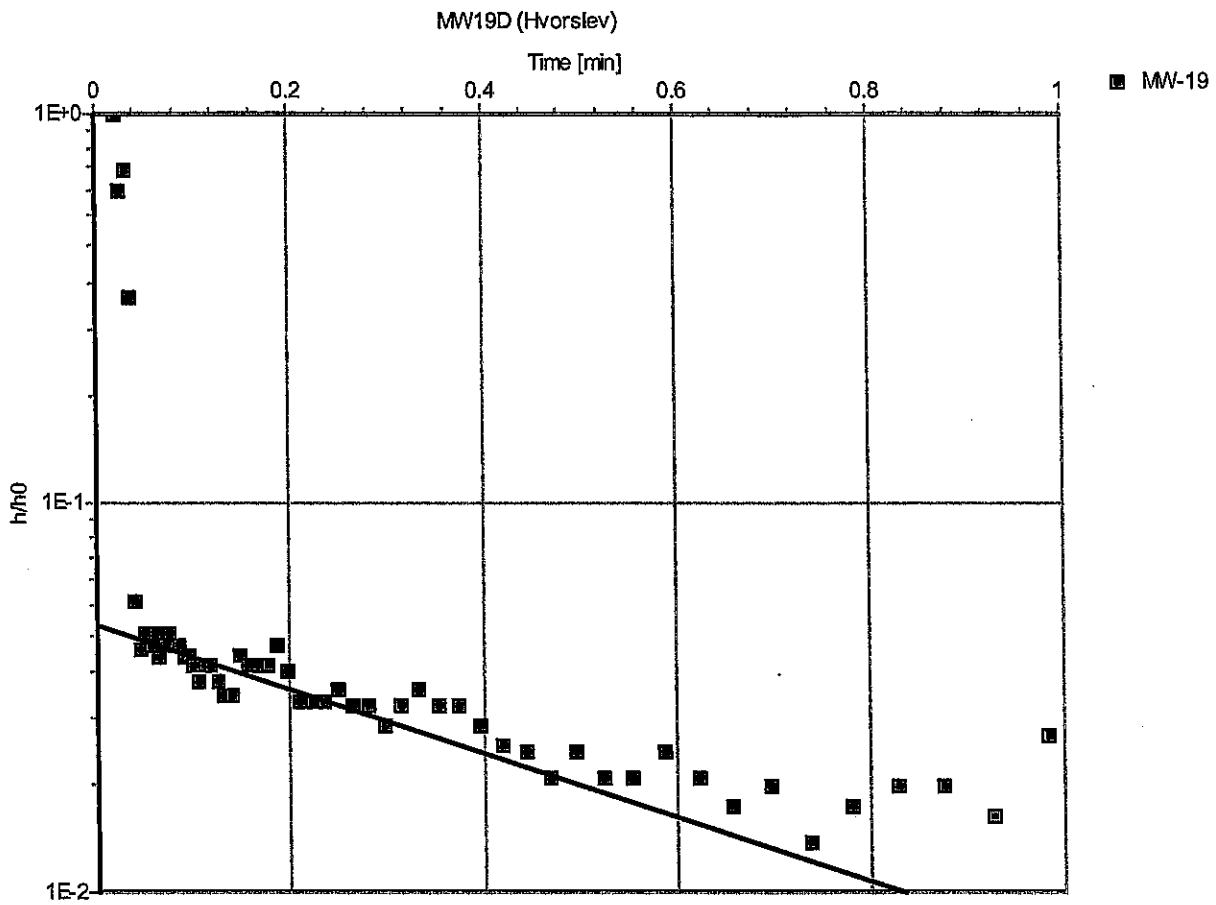
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW19D**

Analysis method: **Hvorslev**

Analysis results: Conductivity: 5.38E+0 [ft/d]

Test parameters:				
	Test well:	MW-19	Aquifer thickness:	25 [ft]
	Screen radius:	0.344 [ft]		
	Screen length:	5.08 [ft]		
	Casing radius:	0.086 [ft]		

Comments: EXCESSIVE OSCILLATION

Evaluated by: JMD
Date: 12/1/2003

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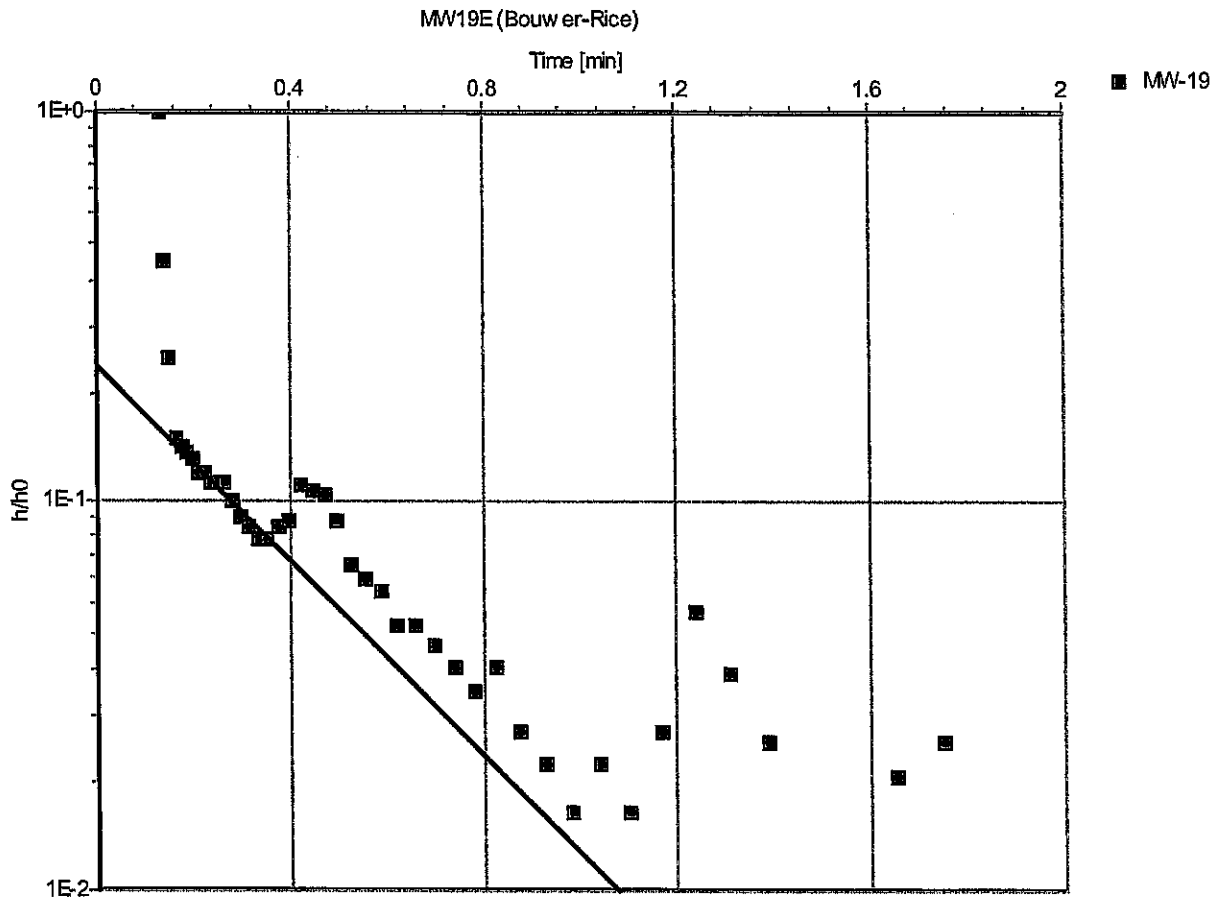
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW19E**

Analysis method: **Bouwer-Rice**

Analysis results: Conductivity: 2.32E+1 [ft/d]

Test parameters:

Test well:	MW-19	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	5.08 [ft]		
Casing radius:	0.086 [ft]		

Comments: EXCESSIVE OSCILLATION

Evaluated by: JMD
Date: 12/1/2003

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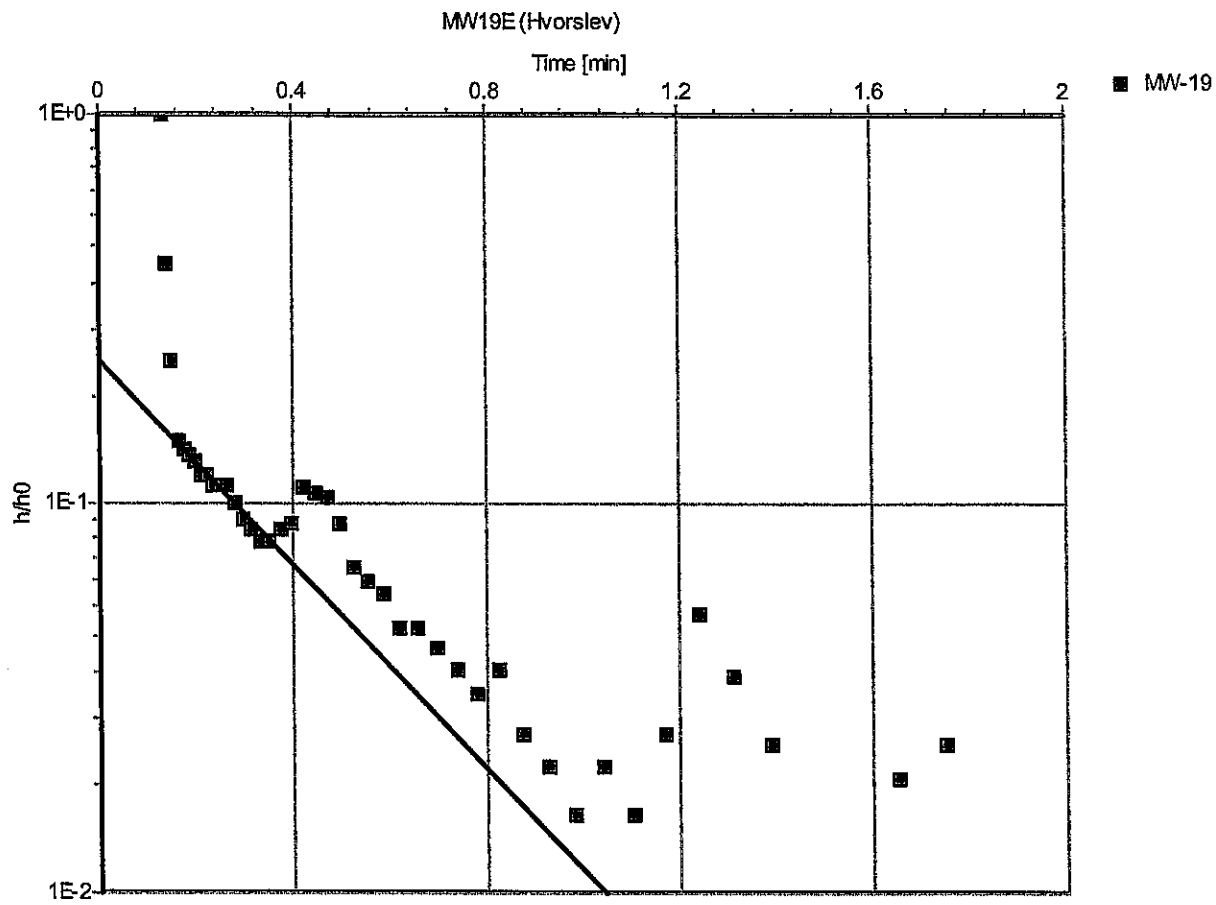
Pumping Test Analysis Report

Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW19E**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 8.54E+0 [ft/d]

Test parameters:

Test well:	MW-19	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	5.08 [ft]		
Casing radius:	0.086 [ft]		

Comments: EXCESSIVE OSCILLATION

Evaluated by: JMD
Date: 12/1/2003

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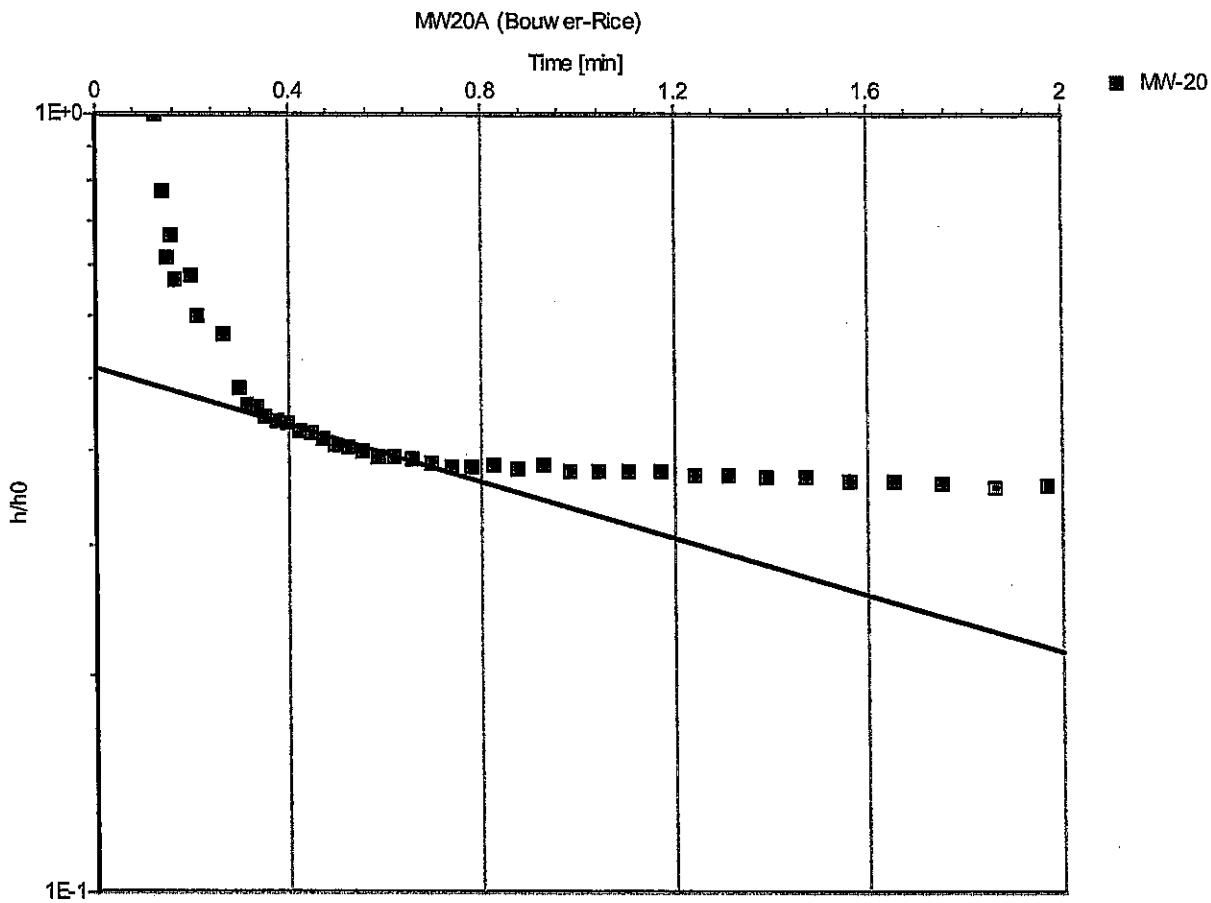
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW20A**

Analysis method: **Bouwer-Rice**

Analysis results:

Conductivity: 3.04E+0 [ft/d]

Test parameters:

Test well:	MW-20	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	6.31 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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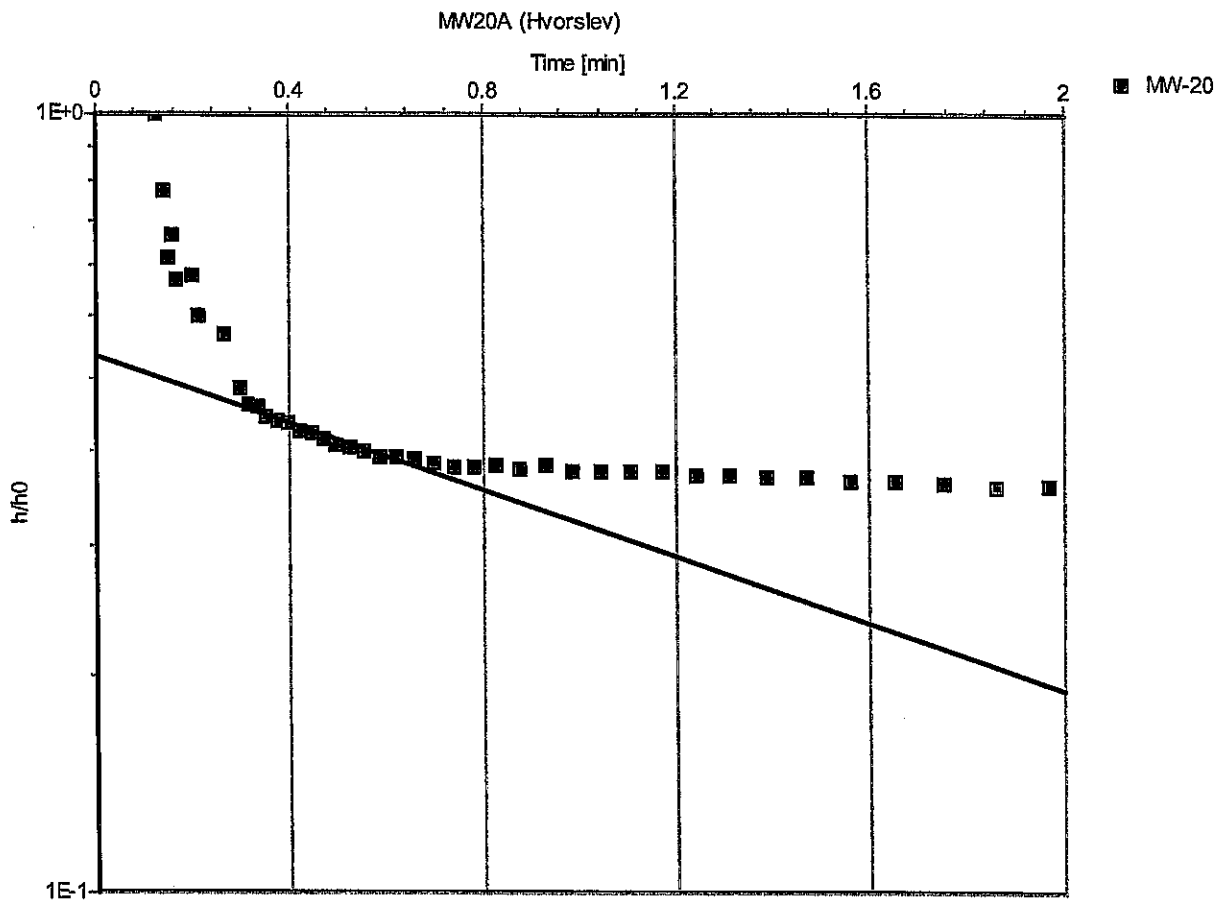
Project: Kishner/Maryland Square
No: 00-43367-06
Client:



Test name: **MW20A**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 1.22E+0 [ft/d]

Test parameters:

Test well:	MW-20	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	6.31 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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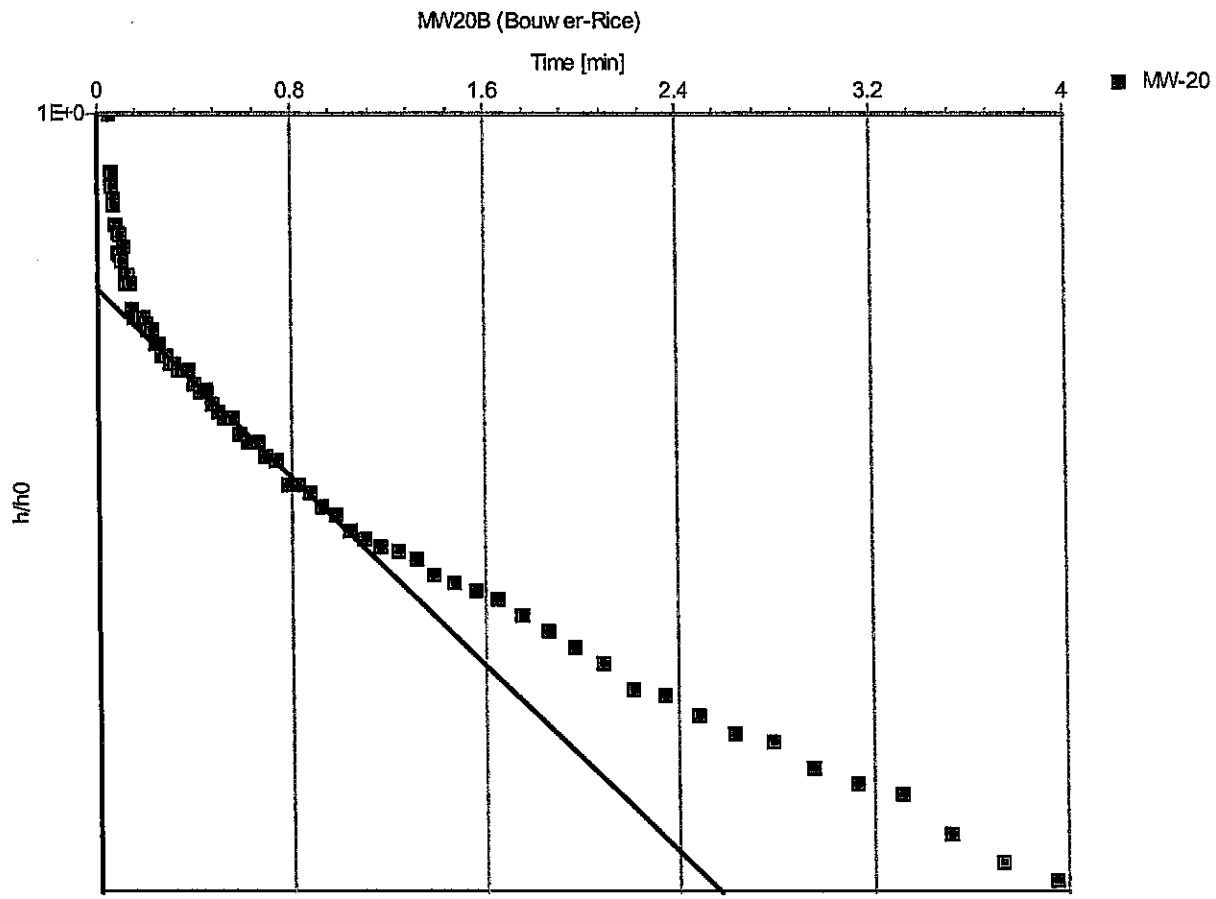
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW20B**

Analysis method: **Bouwer-Rice**

Analysis results: Conductivity: 7.77E-1 [ft/d]

Test parameters:

Test well:	MW-20	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	6.31 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

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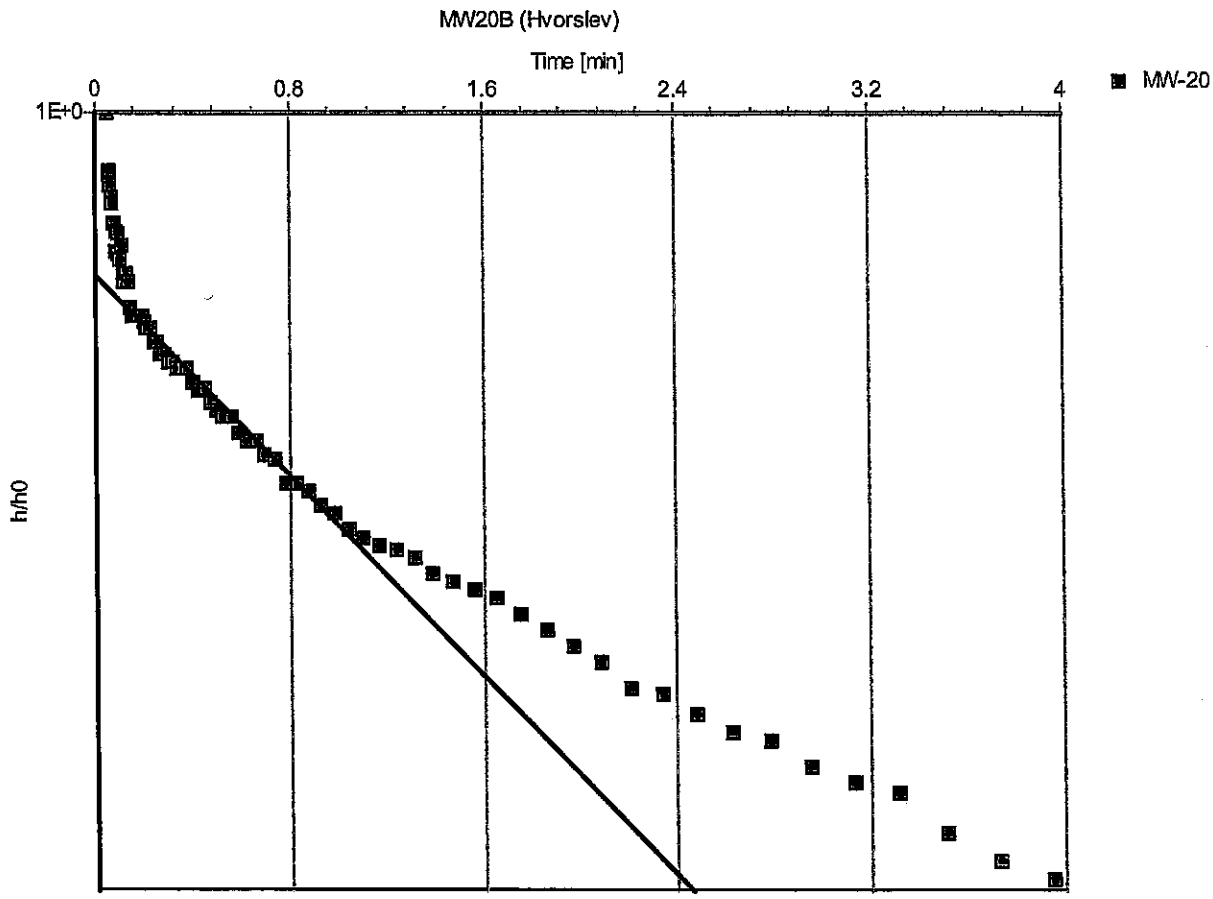
Project:	Kishner/Maryland Square
No:	00-43367-06
Client:	



Test name: **MW20B**

Analysis method: **Hvorslev**

Analysis results:

Conductivity: 2.83E-1 [ft/d]

Test parameters:

Test well:	MW-20	Aquifer thickness:	25 [ft]
Screen radius:	0.344 [ft]		
Screen length:	6.31 [ft]		
Casing radius:	0.086 [ft]		

Comments:

Evaluated by: JMD
Date: 12/1/2003

Summary of Slug Test Results

Well ID	Slug In	Slug Out	K-Bouwer Rice (ft/day)	K-Hvorslev (ft/day)	Remarks	K-B&R (ft/day)	K-Hv. (ft/day)
MW-2	A		9.9	5.38			
MW-2		B	11.6	6.7			
MW-2	C		8.29	4.32			
MW-2		D			CANNOT BE INTERPRETED	9.9	5.5
MW-3	A				NO DATA		
MW-3		B	12.5	7.1			
MW-3	C		6.33	3.67			
MW-3		D	10.3	6.46			
MW-3	E		4.91	2.77			
MW-3		F	10.3	5.73		8.9	5.1
MW13	A		3.74	1.33	SUSPECT DATA		
MW13		B	8.8	3.23			
MW13	C		3.91	1.4			
MW13		D	7.02	2.83			
MW13	E		4.38	1.58			
MW13		F	8.32	2.89		6.0	2.2
MW15	A		11.8	3.88			
MW15		B	19.5	6.41			
MW15	C		7.43	2.53			
MW15		D	26.2	8.91		16	5
		std. dev =	5.6	2.2		4.3	1.6
Area-1, West of Mall			9.7	4.3	**Average**	**10.3**	**4.6**
MW16	A				DATA CANNOT BE INTERPRETED, EXCESSIVE OSCILLATION		
MW16		B	6.3	2.23			
MW16	C				DATA CANNOT BE INTERPRETED, EXCESSIVE OSCILLATION		
MW16		D	12.7	4.8		9.5	3.5
MW19	A		12.8	5.15	EXCESSIVE OSCILLATION		
MW19		B			DATA CANNOT BE INTERPRETED, EXCESSIVE OSCILLATION		
MW19	C				DATA CANNOT BE INTERPRETED, EXCESSIVE OSCILLATION		
MW19		D	15	5.38			
MW19	E		23.2	8.54			
MW19		F			DATA CANNOT BE INTERPRETED, EXCESSIVE OSCILLATION	17.0	6.4
MW20	A		3.04	1.22			
MW20		B	0.777	0.283		1.9	0.8
		std. dev =	7.7	2.9		7.5	2.8
Area-2, East of Mall			10.5	3.9	**Average**	**9.7**	**3.8**