Converse Consultants
Over 50 Years of Dedication in Geotechnical Engineering and Environmental Sciences

2003 NOV -3 AM 9:35

October 31, 2003 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: **Groundwater Monitoring Report – 3rd Quarter 2003**
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 dewatering activities in the area. The work was completed in accordance with our proposal dated August 28, 2003, and your authorization dated September 18, 2003. Our workplan for two quarterly sampling events for monitoring wells at the Site was approved by the Nevada Division of Environmental Protection (NDEP) on September 2, 2003. After two quarters of monitoring the wells at the Site, Converse anticipates that it will evaluate the need for additional sampling and/or reduction in the number of wells and frequency of sampling.

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, Township 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

56/47CG

731 Pilot Road, Suite H, Las Vegas, Nevada 89119-4429
Telephone: (702) 269-8336 ♦ Facsimile: (702) 269-8353 ♦ e-mail: lasvegas@converseconsultants.com

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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 in-

dicated 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.

Groundwater Monitoring and Sampling Procedures

On September 24, 2003, groundwater levels were measured and samples were collected from wells MW-1 through MW-10 and MW-12 through MW-13. A groundwater sample was not collected from well MW-11 due to the presence of phase-separated hydrocarbons (PSH) floating on top of the water column in the well. 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 1. Historical groundwater data is summarized in Table A-1 (Appendix A).

Table 1 – Groundwater Elevations, September 24, 2003

Well ID	Top of Casing Elevation (feet MSL)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
MW-1	1992.04	18.97	1973.07
MW-2	1983.97	17.70	1966.27
MW-3	1984.43	18.35	1966.08

Well ID	Top of Casing Elevation (feet MSL)	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
MW-4	1989.85	19.05	1970.80
MW-5	1989.18	18.07	1971.11
MW-6	1989.01	19.25	1969.76
MW-7	1990.25	16.79	1973.46
MW-8	1994.23	19.55	1974.68
MW-9	1992.26	19.02	1973.24
MW-10	1983.80	19.45	1964.35
MW-11	1980.24	25.62	1954.62
MW-12	1996.50	15.30	1981.20
MW-13	1984.20	17.60	1966.60

PCE was present in each of the wells sampled ranging from 2.0 ppb (MW-7) to 2,800 ppb (MW-13). Table 2 illustrates the current analytical results. Table A-2 (Appendix A) presents the historical analytical results.

Table 2: Groundwater Sample Analytical Results, September 24, 2003

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-1	2,300	ND	ND	ND	NS	ND
MW-2	1,700	ND	ND	ND	NS	ND
MW-3	12	ND	ND	ND	NS	6.5
MW-4	100	ND	ND	ND	NS	2.6
MW-5	220	ND	ND	ND	NS	3.5
MW-6	1,300	ND	ND	ND	NS	ND
MW-7	2.0	ND	ND	ND	NS	3.0
MW-8	3.7	ND	ND	ND	NS	4.9
MW-9	9.2	ND	ND	ND	NS	ND
MW-10	15	ND	ND	ND	NS	ND

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-11	NS	NS	NS	NS	NS	NS
MW-12	14	ND	ND	ND	NS	2.8
MW-13	2,800	ND	ND	ND	NS	ND

ND= Non Detect
NS = Not Sampled

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 typically the best indicator for monitoring biodegradation potential. DO levels are reduced as aerobic biodegradation occurs. DO levels of 1 to 2 mg/L in groundwater can promote degradation of VOCs. The DO levels for this Site ranged from 0.36 mg/L to 1.31 mg/L, which suggests that there is not sufficient oxygen available for biodegradation.

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 22.3 to 26.1 degrees Celsius. This is normal for this region, but considered high in general.

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 3 illustrates the results of the inorganic non-metals analyses.

Table 3 – Inorganic Non-Metals, September 24, 2003

Well ID	Dissolved Oxygen (mg/L)	Temperature (C)	pH (su)	Electrical Conductivity (us/cm)
MW-1	1.00	24.5	7.09	2.70
MW-2	0.36	24.2	7.09	3.18
MW-3	0.87	24.5	7.00	2.93
MW-4	1.12	22.3	7.00	2.70
MW-5	0.94	22.0	6.77	2.71
MW-6	1.01	22.4	6.99	2.30
MW-7	0.97	25.3	7.02	2.71
MW-8	1.17	24.8	7.00	2.53
MW-9	1.23	24.9	7.02	2.59
MW-10	1.04	26.1	7.00	3.18
MW-11	NM	NM	NM	NM
MW-12	1.03	24.8	7.07	2.77
MW-13	1.31	24.2	6.94	3.24

NM = Not Measured

Dewatering Activities

On September 2, 2003, Converse contacted Mr. Bruce Holmgren of the NDEP, Water Pollution Control Bureau, in Carson City, Nevada. Mr. Holmgren was contacted to inquire about NPDES dewatering permits for the section, township, and range in which the Site is located. Mr. Holmgren stated that no NPDES permits have been issued in Sections 14 and 15, Township 21 South, Range 61 East.

Discussion

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/southeast.

2. As compared to the prior groundwater monitoring event, PCE concentrations increased in monitoring wells MW-1, MW-2, MW-3, MW-

4, MW-6, MW-7, MW-8, MW-10, MW-12, and MW-13 and decreased in monitoring wells MW-5 and MW-9.

3. No NPDES dewatering permits have been issued by the NDEP for the section, township, and range in which the Site is located.

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. Implement the approved 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: 10/31/03

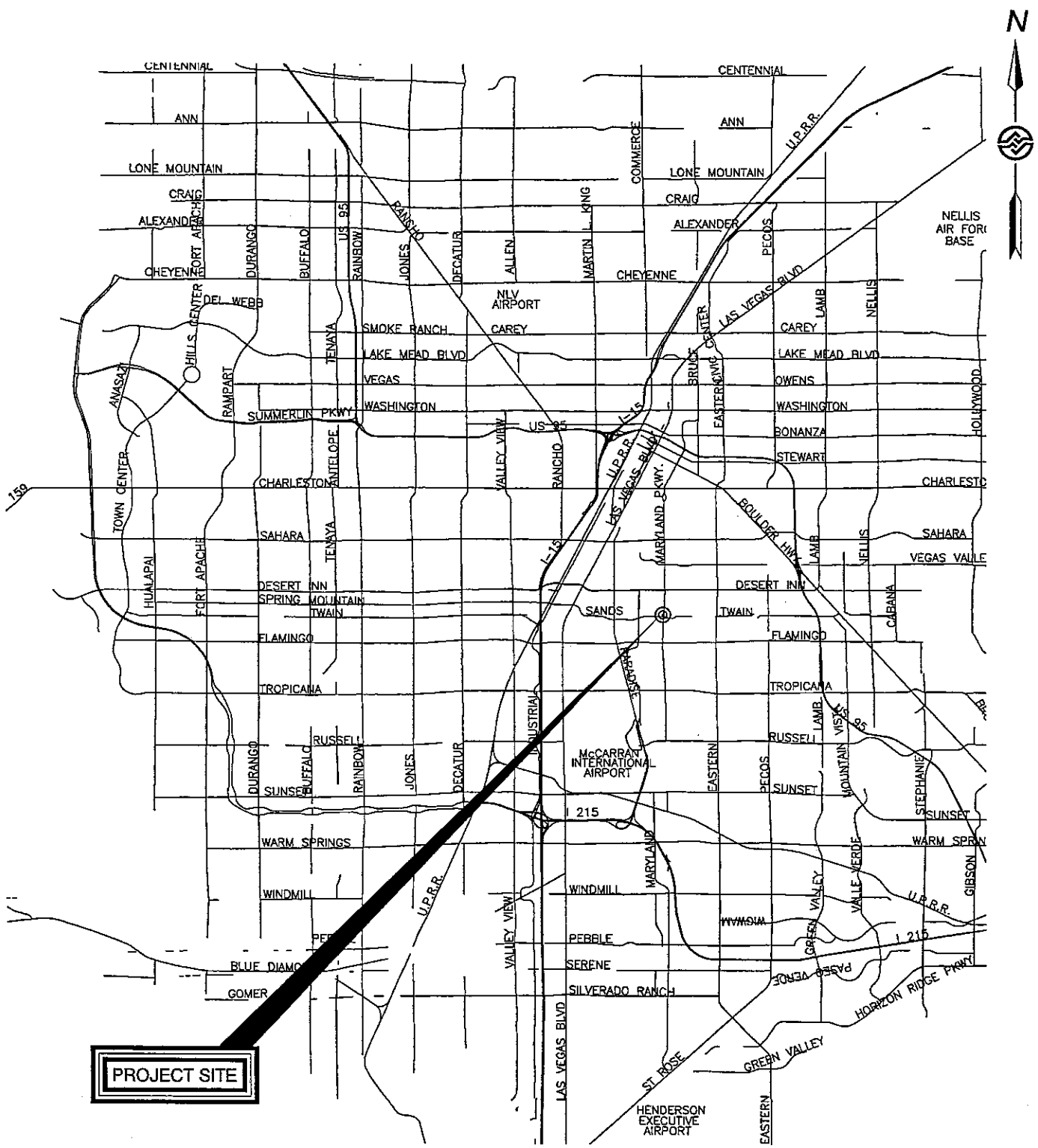
Reviewed and approved by,

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

KAG:ALM:gm
56/47CG

Encl: Drawing No. 1—Las Vegas Vicinity
Drawing No. 2—Groundwater Elevations
Appendix A: Historical Data
Appendix B: Analytical Results

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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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
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
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
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
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
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
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
MW-8		10/5/00	NI	NI
	1994.25	9/24/02	18.55	1975.70
		5/7/03	19.50	1974.75
	1994.23*	9/24/03	19.55	1974.68
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
MW-10		10/5/00	NI	NI
	1983.81	9/24/02	18.51	1965.30

Well ID	Top of Casing Elevation (feet MSL)	Date	Depth to Groundwater Level (feet)	Groundwater Elevation (feet MSL)
		5/7/03	18.65	1965.16
	1983.80*	9/24/03	19.45	1964.35
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
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
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

* 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
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
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
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
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
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
MW-7	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	1.7	ND	ND	ND	NA	2.8
	9/24/03	2	ND	ND	ND	NA	3
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

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)
	5/7/03	3.2	ND	ND	ND	NA	4.5
	9/24/03	3.7	ND	ND	ND	NA	4.9
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
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
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
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

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

Appendix B

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CON03092504

Report Due By : 5:00 PM On : 02-Oct-03

Client:
Converse Consultants
731 Pilot Road, Suite H

Las Vegas, Nevada 89119

Andrea Moericke
TEL : (702) 263-7600
FAX : (702) 269-8353

EDD Required : No

Sampled by : EB

Job : Maryland Square 00-43364-04

Report Attention : Andrea Moericke

PO :

Client's COC # : none

Cooler Temp : 4 °C

25-Sep-03

CC Report :

QC Level : 1 = Final Rpt Only

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests VOC_W								Sample Remarks
CON03092504-01A	MW4	AQ	09/24/03 08:13	3	0	5		8260_Ns								
CON03092504-02A	MW5	AQ	09/24/03 08:28	3	0	5		8260_Ns								
CON03092504-03A	MW6	AQ	09/24/03 08:38	3	0	5		8260_Ns								
CON03092504-04A	MW13	AQ	09/24/03 08:58	3	0	5		8260_Ns								
CON03092504-05A	MW2	AQ	09/24/03 09:16	3	0	5		8260_Ns								
CON03092504-06A	MW3	AQ	09/24/03 09:36	3	0	5		8260_Ns								
CON03092504-07A	MW10	AQ	09/24/03 10:05	3	0	5		8260_Ns								
CON03092504-08A	MW9	AQ	09/24/03 10:35	3	0	5		8260_Ns								
CON03092504-09A	MW1	AQ	09/24/03 10:45	3	0	5		8260_Ns								
CON03092504-10A	MW7	AQ	09/24/03 11:05	3	0	5		8260_Ns								

Comments: Real ice frozen, security seals intact. NV samples. :

	Signature	Print Name	Company	Date/Time
Received by:	Heidi Eskew	H. Eskew	Alpha Analytical, Inc.	9/25/03 12:45

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

Billing Information :

CHAIN-OF-CUSTODY RECORD

NV

Alpha Analytical, Inc.
255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
TEL: (775) 355-1044 FAX: (775) 355-0406

WorkOrder : CON03092504

Report Due By : 5:00 PM On : 02-Oct-03

Client:
Converse Consultants
731 Pilot Road, Suite H

Las Vegas, Nevada 89119

Andrea Moericke
TEL : (702) 263-7600
FAX : (702) 269-8353

EDD Required : No

Sampled by : EB

Job : Maryland Square 00-43364-04

Report Attention : Andrea Moericke

PO :

Client's COC # : none

Cooler Temp : 4 °C

25-Sep-03

CC Report :

QC Level : 1 = Final Rpt Only

Alpha Sample ID	Client Sample ID	Matrix	Collection Date	No. of Bottles ORG	SUB	TAT	PWS #	Requested Tests VOC_W								Sample Remarks
CON03092504-11A	MW8	AQ	09/24/03 11:23	3	0	5		8260_Ns								
CON03092504-12A	MW12	AQ	09/24/03 11:50	3	0	5		8260_Ns								

Comments: Real ice frozen, security seals intact, NV samples. :

	Signature	Print Name	Company	Date/Time
Received by:	Heidi Eskew	H. Eskew	Alpha Analytical, Inc.	9/25/03 1245

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.
The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

A/PHA

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 ____

Client Name/Address: Converse

Project/PO Number: Maryland Square 00-43364-04

Project Manager: Andrea Medicine

Phone Number:

Sampler: EB

Fax Number:

Analysis Required

Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservatives	8260 full Range VOCs									Special Instructions
MW4	AQ	VOA	3	9/24/03 0803	HCL	X									CON03092504-01
MW5	↓	↓	↓	0828	↓	↓									-02
MW6				0838											-03
MW13				0858											-04
MW2				0916											-05
MW3				0936											-06
MW10				1005											-07
MW9				1035											-08
MW1				1045											-09
MW7				1105											-10
MW8				1123											-11
MW12	↓	↓	↓	1150	↓	↓									-12

Relinquished By:	Date/Time:	Received By:	Date/Time:
[signature]	9/24/03	[signature] Oppenborn	9/24/03 1329
[signature] Oppenborn	9/24/03 1559	Heidi Eskew	9/25/03 1245

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
(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 00-43364-04

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

Alpha Analytical Number: CON03092504-09A
Client I.D. Number: MW1

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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	2,300	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
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Wichita, KS • (316) 722-5890 / info@alpha-analytical.com

10/1/03
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 00-43364-04

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

Alpha Analytical Number: CON03092504-05A
Client I.D. Number: MW2

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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	1,700	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

10/1/03
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 00-43364-04

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

Alpha Analytical Number: CON03092504-06A
Client I.D. Number: MW3

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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	6.5	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	12	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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Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square 00-43364-04

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

Alpha Analytical Number: CON03092504-01A
Client I.D. Number: MW4

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

Volatile Organics by GC/MS
EPA Method SW8260B

	Compound	Concentration	Reporting Limit
1	Chloromethane	ND	4.0 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	4.0 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	2.6	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	100	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

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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10/1/03
Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square 00-43364-04

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

Alpha Analytical Number: CON03092504-02A
Client I.D. Number: MW5

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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	3.5	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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10/1/03
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 00-43364-04

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

Alpha Analytical Number: CON03092504-03A
Client I.D. Number: MW6

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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	1,300	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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10/1/03
Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square 00-43364-04

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

Alpha Analytical Number: CON03092504-10A
Client I.D. Number: MW7

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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	3.0	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	2.0	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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Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square 00-43364-04

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

Alpha Analytical Number: CON03092504-11A
Client I.D. Number: MW8

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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	4.9	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	3.7	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
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Wichita, KS • (316) 722-5890 / info@alpha-analytical.com

10/1/03
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#: Maryland Square 00-43364-04

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

Alpha Analytical Number: CON03092504-08A
Client I.D. Number: MW9

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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

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Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square 00-43364-04

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

Alpha Analytical Number: CON03092504-07A
Client I.D. Number: MW10

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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	15	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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10/1/03
Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square 00-43364-04

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

Alpha Analytical Number: CON03092504-12A
Client I.D. Number: MW12

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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	2.8	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	14	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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10/1/03
Report Date

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ANALYTICAL REPORT

Converse Consultants
731 Pilot Road, Suite H
Las Vegas, Nevada 89119
Job#: Maryland Square 00-43364-04

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

Alpha Analytical Number: CON03092504-04A
Client I.D. Number: MW13

Sampled: 09/24/03
Received: 09/25/03
Analyzed: 09/28/03

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	2,800	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

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VOC pH Report

Work Order CON03092504 **Project:** Maryland Square 00-43364-04

Alpha's Sample ID	Client's Sample ID	Matrix	pH
03092504-01A	MW4	Aqueous	7
03092504-02A	MW5	Aqueous	7
03092504-03A	MW6	Aqueous	7
03092504-04A	MW13	Aqueous	7
03092504-05A	MW2	Aqueous	7
03092504-06A	MW3	Aqueous	7
03092504-07A	MW10	Aqueous	7
03092504-08A	MW9	Aqueous	7
03092504-09A	MW1	Aqueous	4
03092504-10A	MW7	Aqueous	2
03092504-11A	MW8	Aqueous	7
03092504-12A	MW12	Aqueous	7

10/1/03

Report Date