Preliminary Environmental Characterization
Property Leased by Hard Chrome Engineering, Inc.
750 - 107th Avenue
Oakland, California

BSK
& Associates

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September 29, 1992

BSK Job No. P92124.3

Ms. Cheryl Plato McLemore, Trustee
Dee M. McLemore Trust
145 Riverhaven Place
Reno, Nevada 89509

Subject: Preliminary Environmental Characterization
Property Leased by Hard Chrome Engineering, Inc.
750 - 107th Avenue
Oakland, California

Dear Ms. McLemore:

At your request, BSK & Associates Inc. (BSK) is pleased to submit this report for Preliminary Environmental Characterization at the subject property. These services were completed in general accordance to our Proposal No. PR91258.3, dated April 13, 1992.

Based on analyses of soil samples collected during groundwater monitoring wells installation, arsenic, beryllium, cadmium, lead, nickel and selenium were detected at levels above the Soluble Threshold Limit Concentrations. Beryllium was detected in a soil sample at a level above the Total Threshold Limit Concentration.

Based on analyses of groundwater samples collected from the three monitoring wells and one on-site water well, chromium VI (Cr^{+6}), arsenic and selenium were detected in MW-2 over the Maximum Contaminant Levels (MCL) established for drinking water.

Also, based on analyses of groundwater samples collected, volatile halocarbon (tetrachloroethane) was detected in each of the three monitoring wells sampled. Samples collected from two of the groundwater monitoring wells had tetrachloroethane detected at levels at or above MCL.

A copy of this Report should be submitted to the agency with appropriate jurisdiction over the site.

BSK & Associates appreciates this opportunity to be of service to you. If there are questions or concerns regarding this report, please contact the undersigned.

Respectfully submitted,
BSK & ASSOCIATES, INC.

Martin B. Cline
Staff Geologist

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FRG/MBC:hhc
(RPTS\ENV.M03)

Enclosure

Distribution: Ms. Cheryl Plato McLemore (3 copies)
Mr. Todd Russell (1 copy)
Ms. Debra S. Summers (1 copy)

BSK & Associates

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750 - 107TH AVENUE
OAKLAND, CALIFORNIA
BSK Job No. P92124.3

1.0 INTRODUCTION

BSK & Associates, Inc. (BSK) has prepared this Preliminary Environmental Characterization Report (PEC Report) for the Dee M. McLemore Trust property at 750 - 107th Avenue in Oakland, California. The location of the property within the southern Oakland area is shown on Figure 1, Vicinity Map.

The services and work performed for the PEC Report were in general accordance with the BSK Proposal PR91258.3 dated April 13, 1992 which was accepted and signed by Ms. Cheryl Plato McLemore, Trustee for Dee M. McLemore Trust, on May 12, 1992.

Due to unanticipated site conditions, first groundwater encountered at a shallower depth and higher chemical concentrations than expected, the scope of services was modified to incorporate shallower monitoring wells and to conduct a more detailed chemical analysis program.

2.0 PURPOSE AND SCOPE

The purpose of this preliminary environmental characterization is to further evaluate the previously detected chromium reported by Simon-EEI, Inc. (Reference No. 2) and to assess the potential for volatile halocarbons and aromatic compounds to be present in soil and/or groundwater at the site.

The scope of services performed to complete the preliminary characterization included the following:

- Site visit and personal interview of the current tenant on May 21, 1992;
- Drilling Permit Application submittal to Zone 7 of the Alameda County Flood Control and Water Conservation District;
- Notification to Underground Service Alert for underground utility clearances;

- Drilling and sampling three exploration bores, which in turn, were converted to groundwater monitoring wells;
- Development, purging and sampling the three installed monitoring wells;
- Purging and sampling an on-site water well;
- Performing a vertical control survey of each monitoring and water well casing;
- Performing analyses of chemical and physical properties on select soil samples from the bore holes and water samples from each well; and,
- Preparing this report which summarizes the work performed, analytical methods used, findings, and presents recommendations for further action.

3.0 BACKGROUND INFORMATION

The background information pertaining to the site is based on information extracted from Simon EEI (Reference No. 2) and a personal interview with Mr. Ron V. Teffs of Hard Chrome Engineering conducted on May 21, 1992.

3.1 Simon-EEI Report

Simon-EEI drilled and sampled five soil borings on the subject property on August 19 and 26, 1991. The locations of the borings (SB-1 through SB-5) are shown on Figure 2. In addition, groundwater samples were collected using a Hydropunch™ from borings SB-2 through SB-5. Laboratory analysis for priority pollutant metals, cyanide and pH were performed on a soil sample from SB-5 and the four groundwater samples. Several metals were identified in the soil sample analyzed; however, none of the metals were at concentrations considered hazardous as defined in Title 22 of the California Code of Regulations (CCR). The results of laboratory analysis of the groundwater samples indicated total chromium at 180.3 milligrams per liter (mg/l) at location SB-5 and cyanide concentrations ranging from 0.039 to 0.103 mg/l in the four water samples. The conduct of the investigation by Simon-EEI, boring logs and chemical data reports are presented in Reference No. 2. The Simon Report concluded that elevated chromium levels were present in soil and groundwater samples collected from the subsurface area adjacent to the secondary containment sump at the site.

3.2 Teffs Interview

On May 21, 1992, BSK representatives visited the site. During BSK's interview with Mr. Teffs, he indicated that Hard Chrome Engineering (HCE) has operated a chrome plating operation at the site since 1972. Details of the specific process operations, such as process flow diagrams, were unavailable. The operations observed to be present include parts cleaning baths, mechanical stripping by sandblasting and grinding, and plating baths which utilize chromic acid and sulfuric acid. The process equipment also includes an air ventilating hood located over the chrome plating baths and sandbar system. Chemical stripping of parts using muriatic acid done infrequently. Process equipment is positioned adjacent to or over a collection sump. Mr. Teffs stated that prior to Mr. Dee McLemore's purchase of the property in 1972, other tenants occupied the existing building. Also, Mr. Teffs stated that Mr. Dee McLemore hired the contractor who installed the interior concrete-lined sump and that the McLemore's have the original Sump Plans.

According to Mr. Teffs, the sump area is approximately 30 feet by 30 feet in plan dimension. The northern half of the sump is 7 feet deep as measured from the top of the existing finish floor slab to the top of the sump slab. The southern half of the sump is 1-1/2 feet deep. There is no sewer access within the sump area. Mr. Teffs' statement regarding sump construction was consistent with BSK's observation on May 21, 1992.

According to Mr. Teffs, for approximately the last four or five years, HCE, has resealed the sump on a bi-yearly basis and for the same period of time, has maintained the liquid depth in the sump at less than one-inch. Mr. Teffs report that the sump was used to catch "drag" or "drip" liquids from the chrome plating operation.

Mr. Teffs also reported that HCE installed a water well (location shown on Figure 2, Site Plan) for process usage. Mr. Teffs could not recall specific details on the well driller, well depth or screened interval. Mr. Teffs stated the water well has not been used for approximately ten years and the pump is "frozen." Also, Mr. Teffs thought that initial tests on the groundwater samples were high in iron and cadmium.

In regards to HCE's process operations, Mr. Teffs stated the following:

- Chromic acid, sulfuric acid and water are used for plating and cleaning;
- Petroleum naphtha fluid (paint thinner) is used for machining operation (55 gallons maximum quantity);

- No caustic cleaners are used;
- HCE is under zero Waste Discharge Order (East Bay Municipal Utility District);
- HCE is required to have an Air Quality Permit (HCE is currently working on their 5th Risk Assessment revision);
- HCE never used cyanide at this property; and,
- Majority of stripping is performed by a mechanical process and only occasionally is muriatic acid used (approximately 25 to 30 gallons of muriatic acid is stored on site).

3.3 Other Information

The site inspection conducted on May 21, 1992 by representatives from BSK confirmed evidence of floor staining, staining of the sump walls and floor, and surficial disintegration of the sump wall concrete as reported by Simon-EEI (Reference No. 2). In addition, we confirmed site information reported by Simon EEI (Reference No. 2) in the vicinity of the water well and neighborhood land usage.

BSK contacted Ms. Cheryl Plato McLemore on June 4, 1992 to obtain a copy of the Sump Plan for the subject property. Upon review of her records and files, Ms. McLemore was unable to find the original or a copy of the Sump Plan.

4.0 FIELD WORK METHODOLOGY

4.1 Drilling and Sampling

Three exploration borings, MW-1 to MW-3, were advanced with either a Mobile B-50 or B-53 truck-mounted drill rig utilizing 8-inch hollow stem auger. The locations of the borings are shown on Figure 2, Site Plan. Soil samples were collected at five-foot intervals or less, starting approximately five feet below the finished floor slab grade, by driving a modified California split-barrel sampler containing two-inch I.D. stainless steel liners. The sampler was driven a total of 18 inches with a 140-pound hammer falling 30 inches. Blow counts for each six-inch increment were recorded on a field log. The blow count for the final 12 inches is presented on the Boring Logs in Appendix A.

The first boring (MW-1) was drilled to approximately 20 feet where groundwater was encountered. The groundwater level was allowed to stabilize inside the hollow stem auger after collecting the soil sample at the 20-foot interval. Continuous sampling with the modified California sampler from 24 to 28.5 feet was conducted to explore for a deeper aquifer. The sampling revealed a sand stratum at 27.5 feet in MW-1. To prevent connection between the potential aquifer at 27.5 feet and first groundwater at 20 feet, the bore hole was sealed with activated bentonite pellets from 24 to 28.5 feet. Bores MW-2 and MW-3 were advanced and sampled to a depth of only 24 feet.

The stainless steel liners containing the soil samples were covered with Teflon™ film and plastic end caps. The joint between each plastic cap and liner was sealed with waterproof tape and labeled with the following information:

- Sample Number
- Sample Depth Interval
- Project Number
- Sample Date
- Sample Time

Each sample was then placed into an ice chest with frozen "blue ice."

During drilling, an Organic Vapor Meter (OVM) was used to monitor worker breathing zones. A Thermo Environmental Model 580A photoionization detector with a 10.0 ev lamp was utilized at the site. The OVM was calibrated daily with a 100 ppm isobutylene standard. The soil collected during sampling was tested for organic vapors by placing it into a plastic bag and allowing the vapors to diffuse into the headspace of the bag. The tip of the OVM was placed into the bag and the organic vapor concentration was recorded. OVM readings are recorded on boring logs (refer to Figures A-2 through A-4, Appendix A).

At the end of each day of drilling, soil samples designated for metal analysis were delivered by BSK to Chromalab, Inc. under Chain-of-Custody documentation (Appendix B). The samples designated for volatile halocarbons and aromatics analysis were placed in a sample refrigerator at the BSK Pleasanton office overnight and shipped via Greyhound in an ice chest with frozen "blue ice" the next day to the BSK Analytical Laboratories in Fresno under Chain-of-Custody documentation.

4.2 Equipment Decontamination

Prior to arrival at the site, auger and sample equipment were cleaned with a hot water (180°F - 190°F) high-pressure washer. Prior to and between each sampling intervals, the modified California samplers were washed with a Liquinox™ solution and double-rinsed with potable water. Between each test boring, augers were cleaned in a containment pit with a hot water high-pressure washer.

4.3 Well Construction and Survey

The three test borings (MW-1 through MW-3) were converted into groundwater monitoring wells under drilling permit 92303 with the Zone 7 Water Agency (refer to Appendix A).

The three monitoring wells are constructed with two-inch Schedule 40 PVC flush-joint casing. The wells are screened from 17 to 24 feet (0.02 inch slot) and well-packed with #2/12 sand from 16 to 24 feet. The annulus seal is provided by one-foot of activated bentonite and neat cement. The tops of the well casing are protected with watertight traffic-rated vault boxes. The well casings tops are sealed with locking plugs. Well construction details are illustrated in Appendix A, Figures A-2 through A-4.

On July 23, 1992 a vertical control survey of the tops of the monitoring well casings and the existing water well concrete base was performed by HMH, Incorporated of San Jose. The bench mark information and elevation data is presented in the HMH Report dated August 4, 1992 (refer to Appendix A). This information was used to determine the elevation of the groundwater surface at each monitoring point.

4.4 Well Development, Purging and Sampling

The three monitoring wells were developed using a bladder pump on July 8, 1992. Development continued until the recovered water was free of sediment and turbidity. On July 14, 1992 the three monitoring wells were purged and sampled with a bladder pump.

The well information, observation of immiscible layers, well purging data, and sample collection data are presented on the Well Field Logs, Figures A-5 through A-7 in Appendix A. The water well was purged with a four-inch submersible pump and sampled with a Teflon™ point source bailer on July 16, 1992. Well information data is presented on the Well Field Log, Figure A-8 in Appendix A. Because of a QA/QC problem at the analytical laboratory, Monitoring Well MW-2 was resampled with a bladder pump on July 27, 1992. Well data for the resampling of MW-2 is presented on Figure A-9.

Upon collection of the groundwater samples, the sample containers were labeled with project identification information and placed in an ice chest cooled with "blue ice." Water samples designated for metals analysis were delivered by BSK personnel to Chromalab. As previously described, water samples designated for volatile halocarbons, aromatics, cyanide, general minerals, and oxidation reduction potential were shipped in an ice chest with "blue ice" to the BSK Analytical Laboratories. One set of the water samples from the resampling event was delivered by BSK personnel to Chromalab on the same day of collection and the other set of samples was shipped in an ice chest with "blue ice" via Federal Express to Lockheed's Analytical Laboratory in Las Vegas, Nevada.

4.5 Storage Drill Spoils, Rinsate and Purge Water

Drill cutting spoils, rinsate from auger and sample equipment washing and purge water from development, purging and sampling of the wells were placed into DOT 17H drums and sealed. The drums were labeled using a paint pen with the following information:

- Boring/Well Number
- Depth for Drill Spoils
- Date Filled
- Type of Material (Soil or Water)
- McLemore Trust

The filled drums were placed within the fenced area near the water well pending results of the analytical testing program.

5.0 ANALYTICAL TESTING PROGRAM

5.1 Soil Samples

Soil samples from MW-1 at ten feet, MW-2 at ten feet and MW-2 at 16 feet were analyzed for Volatile Halocarbons by EPA test method 8010, Volatile Aromatics by EPA test method 8020, 13 priority pollutant metals, chromium VI, cyanide, pH, and redox potential. In addition, the samples from MW-2 were tested for total organic carbon. The priority pollutant metals analyses were performed using EPA test methods 300, 6010 (ICP) and 7000 series (AA for mercury). Hexavalent chromium (Cr^{+6}) analysis was performed using EPA test method 7196.

5.2 Water Samples

Groundwater samples from MW-1 through MW-3 and the water well were analyzed for Volatile Halocarbons by EPA test method 601 and Volatile Aromatics by EPA test method 602, and the 13 priority pollutant metals (dissolved metals), chromium VI, cyanide, pH, and redox potential. In addition, samples from MW-1, MW-2 and the water well were analyzed for general minerals, and the sample from MW-2 was analyzed for vanadium, barium, molybdenum and cobalt. Also, non-filtered groundwater samples from MW-1 and MW-2 were analyzed for priority pollutant metals and chromium VI. Finally, values of total dissolved solids (TDS) were determined for the water samples from MW-1, MW-2, and the water well.

6.0 GEOLOGY AND GROUNDWATER

The upper subsurface deposits consisted of coarse-to-fine-grained alluvium of Holocene age. These soils are unconsolidated moderately sorted permeable sand, silt and silty clay with a few thin beds of coarse sand and gravel (Reference No. 1). The site is approximately 1-3/4 miles west of the Hayward Fault; therefore, this area would be subject to violent intensity due to ground shaking from the Hayward Fault (Reference No. 1).

Based on the exploration work performed by BSK, the natural soil consists of primarily silty clay deposits with lenses of sandy clay and thin beds of silty sand grading to sand. Additional description of the soils encountered during our June 1992 investigation are presented on Figures A-2 through A-4 in Appendix A.

First groundwater was encountered in the BSK well bores during drilling at approximately 18 to 20 feet below existing finished floor grade. The depth to groundwater measured during the initial sampling event on July 14, 1992 varied from 18.33 to 18.66 feet below the top of the well casing.

7.0 FINDINGS OF PRELIMINARY CHARACTERIZATION

7.1 Soil Analytical Results

The results of volatile halocarbons and aromatics analyses performed on soil samples from MW-1 at 10 feet, MW-2 at 10 feet and MW-2 at 16 feet indicate that compounds analyzed under these two scans were below the laboratory detection limits. The

constituents analyzed, analytical results and detection limits are presented in Table 1 and the BSK Analytical Laboratories Reports in Appendix B.

In Table 2, the analytical results for analyses of priority pollutant metals and other compounds/elements performed on the three previously described soil samples are reported. Also, the laboratory detection limits for these analyses are presented in Table 2. Based on this data, the three soil samples tested for priority pollutant metals and cyanide are below the laboratory detection limit, Total Threshold Limit Concentration (TTLC) or five times the Soluble Threshold Limit Concentration (STLC), except for the beryllium (Be) detected over the TTLC in sample MW-1 at 10 feet and selenium (Se) detected over five times the STLC in the sample MW-2 at 16 feet. The concentration of Be (Sample MW-1, 10 feet) was reported at 130 milligrams per kilogram (mg/kg) and the concentration of Se (Sample MW-2, 16 feet) was reported at 45 mg/kg. In addition to being reported in Table 2, the results of metal and other analyses are reported on the analytical laboratory reports in Appendix B, prepared by Chromalab, Inc., GeoAnalytical Laboratories, Inc., and BSK Analytical Laboratories.

7.2 Groundwater Analytical Results

The results of analyses performed for Volatile Halocarbons and Aromatics on groundwater samples collected from the three BSK-installed monitoring wells plus the existing on-site water well are presented in Table 3. The constituents analyzed, results, detection limits and Maximum Contaminant Level (MCL) are presented in Table 3. The chemical testing for Volatile Halocarbons and Aromatics indicates the groundwater samples are below laboratory detection limits for analyzed compounds except for tetrachloroethane. Tetrachloroethane was detected at 8.8 micrograms per liter (ug/l) in the sample from MW-1, at 3.0 ug/l in the sample from MW-2 and at 5.0 ug/l in the sample from MW-3. Tetrachloroethane was not detected at or above the 0.5 ug/l laboratory detection limit in the sample from the water well.

Results of priority pollutant metals analyses performed on water samples from the four previously described wells are presented in Table 4. Dissolved metals analyses (field filter samples) detected the following metals:

- Zinc (Zn) in the four water samples ranging from 0.01 milligrams per liter (mg/l) in the water sample from the water well to 0.07 mg/l in the sample from MW-2.

- Mercury (Hg) in the water samples from the water well and MW-2 at a reported concentration of 0.001 mg/l.

- Antimony (Sb) at 0.03 mg/l, arsenic (As) at 0.30 mg/l, total chromium (Cr) at 650 mg/l, copper (Cu) at 0.36 mg/l and selenium (Se) at 0.17 mg/l in the water sample from MW-2.

Total metals analyses (non-filtered samples from MW-1 and MW-2) detected Zn in both samples and As, Be, Cu, lead (Pb), nickel (Ni), Se and silver (Ag) in the water sample from MW-2.

The Cr and Cr^{+6} results of the water samples collected on July 27, 1992 from MW-2 are reported in Table 5. The data indicated for dissolved analyses Total Cr is between 670 and 700 mg/l based on testing performed by Chromalab and Lockheed Analytical, respectively. Tests performed by both Chromalab and Lockheed detected Cr^{+6} at 680 mg/l in the second water sample from MW-2. Total metal analyses performed by Chromalab detected Total Cr at 690 mg/l and Cr^{+6} at 640 mg/l.

The detected concentrations for As, Cr^{+6} and Se from the water samples collected from MW-2 are above the MCL for drinking water standards (Title 22, Chapter 15 CCR).

Presented in Table 6 are the results of general mineral chemistry and other tests performed on water samples collected on July 14, 1992. This data was used to develop the Stiff Diagrams of groundwater samples from MW-1, MW-2, and the water well (Figure 4). As illustrated in Figure 4, the Stiff Diagrams for MW-1 and the water well are very similar, possibly indicating that these two samples are from the same aquifer. The Stiff Diagram for MW-2 indicates a significant increase of cations.

The chemical results for the analyses performed by Chromalab, BSK Analytical and Lockheed Analytical on water samples are presented on individual reports in Appendix B.

7.3 Groundwater Flow Direction and Gradient

The groundwater elevations measured during the initial sampling event on July 14, 1992 varied between 14.34 and 14.52 feet Mean Sea Level (MSL). Based on the elevation data presented on Figure 3, the direction of flow is north, 58° west at a 0.2 percent gradient.

8.0 CONCLUSIONS

Based on the results and findings of this preliminary environmental characterization, the following conclusions are drawn:

1. Chromium VI (Cr^{+6}) was detected in the water sample from MW-2 at 680 mg/l which significantly exceeds the MCL of 0.05 mg/l for drinking water.

2. Based on current site information, it is likely that the chrome plating operations are the source of the elevated chromium VI (Cr^{+6}) detected in the water from MW-2, which inturn, may be the cause of the increase of cations.

3. Arsenic (As) was detected at a level of six times the MCL in the water sample collected from MW-2.

4. Selenium (Se) was detected at a level of 17 times the MCL in the water sample collected from MW-2.

5. Beryllium (Be) was detected at a level approximately twice the TTLC in the soil sample collected from MW-1 at a depth of 10 feet.

6. Selenium (Se) was detected at 45 percent of the TTLC and 45 times the STLC in the soil sample collected from MW-2 at a depth of 16 feet.

7. Tetrachloroethane was detected in the groundwater samples collected from the three monitoring wells. The detectable levels reported for water samples from MW-1 and MW-3 were at or exceeded the MCL of 5 µg/l for drinking water.

8. The Stiff Diagrams (Figure 4) indicates that the water encountered in the monitoring wells and the water in the water well may be from the same aquifer.

9. Based on information and results to date, the potential source of the beryllium (Be) and selenium (Se) in the site soil and arsenic (As), selenium

(Se) and tetrachloroethane in first groundwater cannot be identified. The source of these metals and organic compound could be from (1) current site operations, (2) off-site operations or (3) previous tenants or operations.

9.0 RECOMMENDATIONS FOR FURTHER ACTION

The following recommendations for further action are made and presented for consideration:

1. Submit a copy of this Preliminary Environmental Characterization Report to the appropriate agency with jurisdiction over the site.

2. Perform additional Environmental Site Assessment work, such as review of historical aerial photographs, land use maps, regulatory lists, and regulatory agency files, to assess past site activities and the potential for contamination from off-site sources.

3. Obtain additional subsoil information to a depth of approximately 60 feet by performing three cone penetrometer test soundings (CPT) to continuously profile the subsurface deposits. The proposed locations for the CPTs would be on the north and south side of the building exterior and immediately east of the existing on-site water well. This profile data would be used to estimate the depth of a two-stage monitoring well.

4. Install an additional first groundwater monitoring well near the northwest exterior corner of the building. This monitoring well would be drilled and sampled utilizing the same methodology used to install the first three wells. The well construction details would be the same as the previously installed monitoring wells. The purpose of this well would be to further assess the lateral extent of chromium VI impact to soil and first groundwater water.

5. Install a two-stage groundwater monitoring well downgradient of MW-2 if CR^{+6} is not detected in the additional well proposed (recommendation number 4) or downgradient of proposed well if Cr^{+6} is detected. The two-stage well would have a conductor casing installed and grouted-in at approximately 25 feet. The purpose of this well would be to assess the impact of Cr^{+6} in the lower aquifer.

6. Perform chemical analyses for priority pollutant metals and chromium VI on a minimum of two soil samples collected from the recommended first groundwater well (recommendation number 4).

7. Perform chemical analyses for priority pollutant metals, chromium VI and Volatile Halocarbons on the water samples collected from three existing monitoring wells, the proposed monitoring well, the two-stage well and water well.

8. Perform slug tests on the four shallow monitoring wells to approximate hydraulic conductivity and transmissivity of the upper aquifer zone. Perform a step-drawndown test on the two-stage monitoring well to evaluate if the upper and lower aquifers are connected.

9. Overdrill the former test boring SB-5 (boring by Simon-EEI) to approximately 25 feet and then grout the bore with portland cement with up to four percent bentonite using tremie methods. This is recommended since the backfill and concrete surface plug has exhibited settlement problems.

10.0 LIMITATIONS

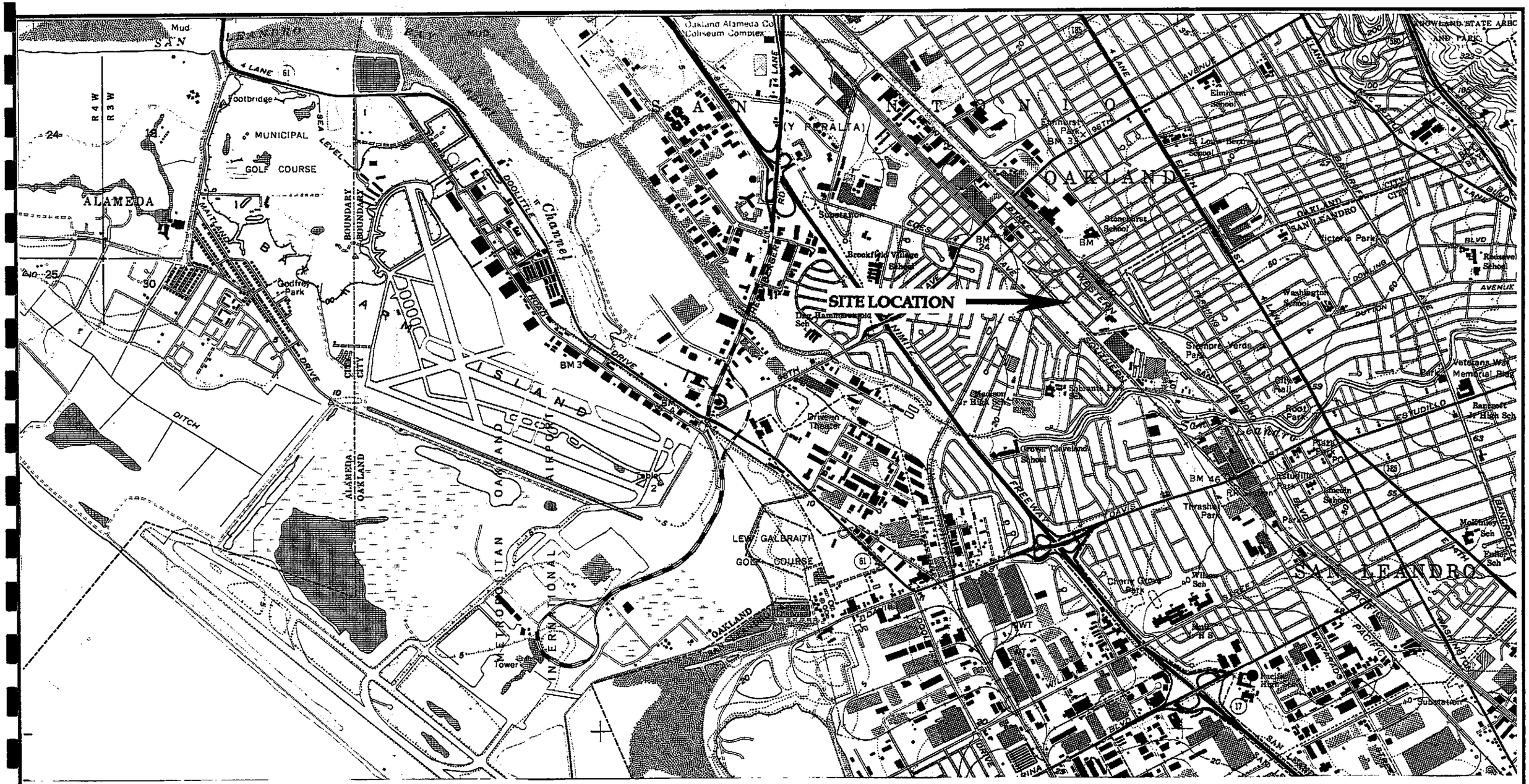
The findings and conclusions presented in this report are based on field data and observations, and from the limited analytical and physical testing programs described in this report. This report has been prepared in accordance with generally accepted methodologies and standards of practice in the area. No other warranty, expressed or implied, is made as to the findings, conclusions and recommendations included in the report.

The findings of this report are valid as of the present. The passage of time, natural processes or human intervention on the property or an adjacent property may cause changed conditions which can invalidate the findings and conclusions presented in this report.

11.0 REFERENCES

1. Helley, E. J. and Lajoie, K. R., "Flatland Deposits of the San Francisco Bay Region, California -- their Geology and Engineering Properties and their Importance to Comprehensive Planning," Geological Survey Professional Paper 943, USGPO, Washington, 1979.

2. Simon - EEI, Inc., "Phase II Environmental Site Assessment, Hard Chrome Engineering, Inc., 750 -- 107th Avenue, Oakland, California," September 23, 1991.



SCALE 1:24000

1 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

GN MN

0°30' E 9 MILS

17° 302 MILS

CONTOUR INTERVAL 20 FEET

DOTTED LINES REPRESENT 5-FOOT CONTOURS

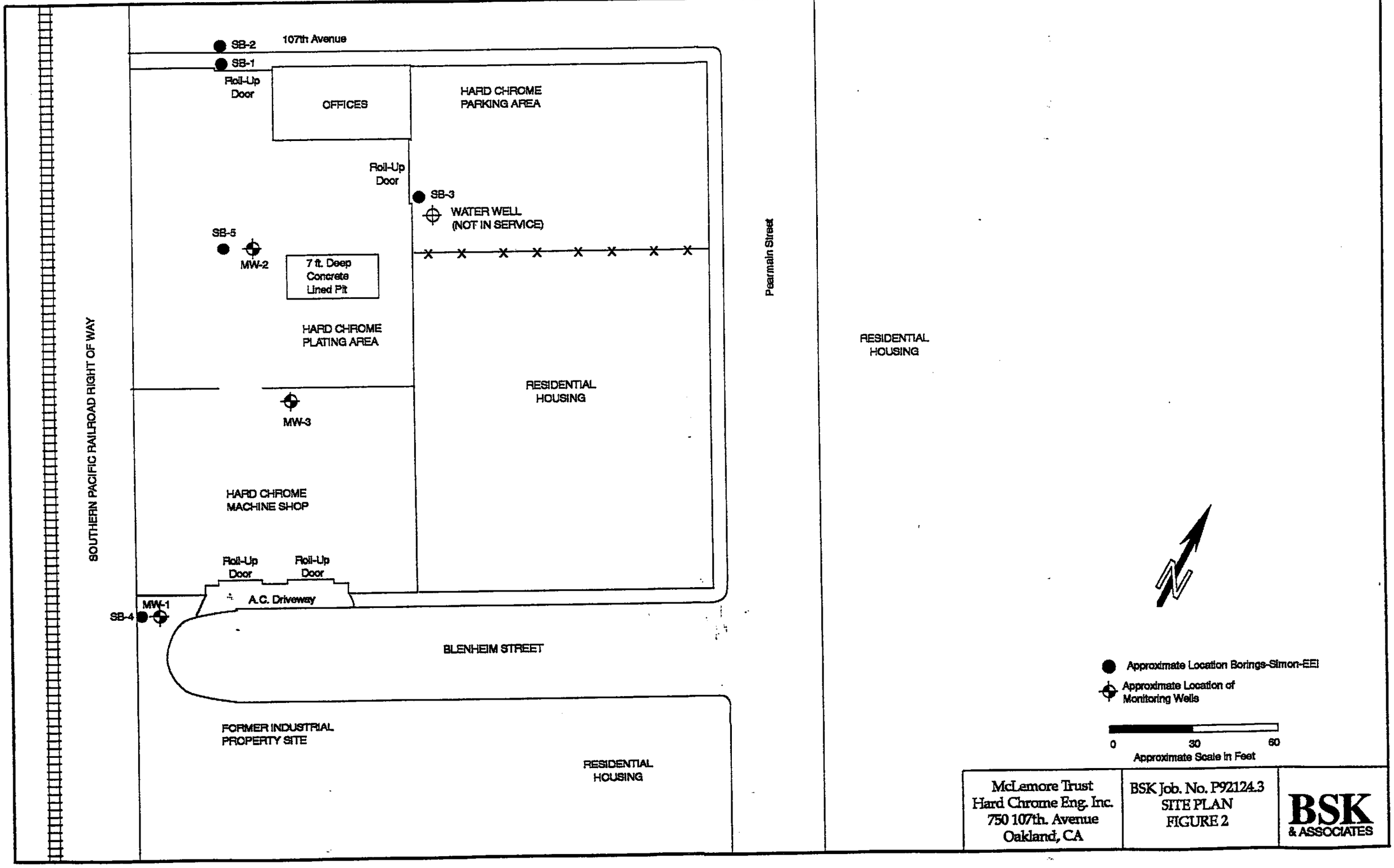
NATIONAL GEODETIC VERTICAL DATUM OF 1929

DEPTH CURVES IN FEET—DATUM IS MEAN LOWER LOW WATER

SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER

THE MEAN RANGE OF TIDE IS APPROXIMATELY 5 FEET

McLemore Trust Hard Chrome Eng. Inc. 750 107th. Avenue Oakland, CA	BSK Job. No. P92124.3 VICINITY MAP FIGURE 1	BSK & ASSOCIATES



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750 107th. Avenue
Oakland, CA

BSK Job. No. P92124.3
SITE PLAN
FIGURE 2

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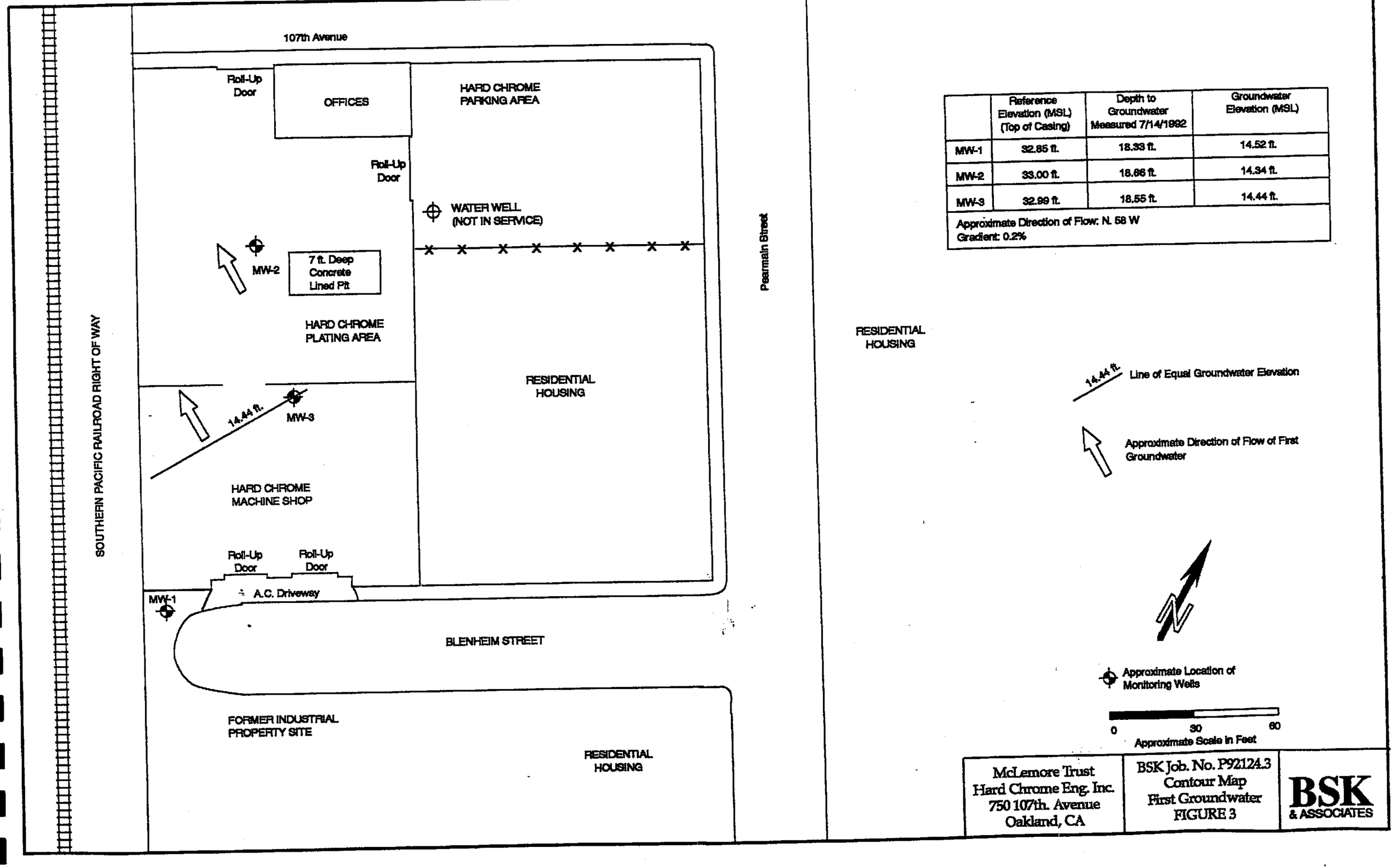

	Reference Elevation (MSL) (Top of Casing)	Depth to Groundwater Measured 7/14/1992	Groundwater Elevation (MSL)
MW-1	32.85 ft.	18.33 ft.	14.52 ft.
MW-2	33.00 ft.	18.66 ft.	14.34 ft.
MW-3	32.99 ft.	18.55 ft.	14.44 ft.
Approximate Direction of Flow: N. 58 W Gradient: 0.2%			

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Oakland, CA

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Contour Map
First Groundwater
FIGURE 3

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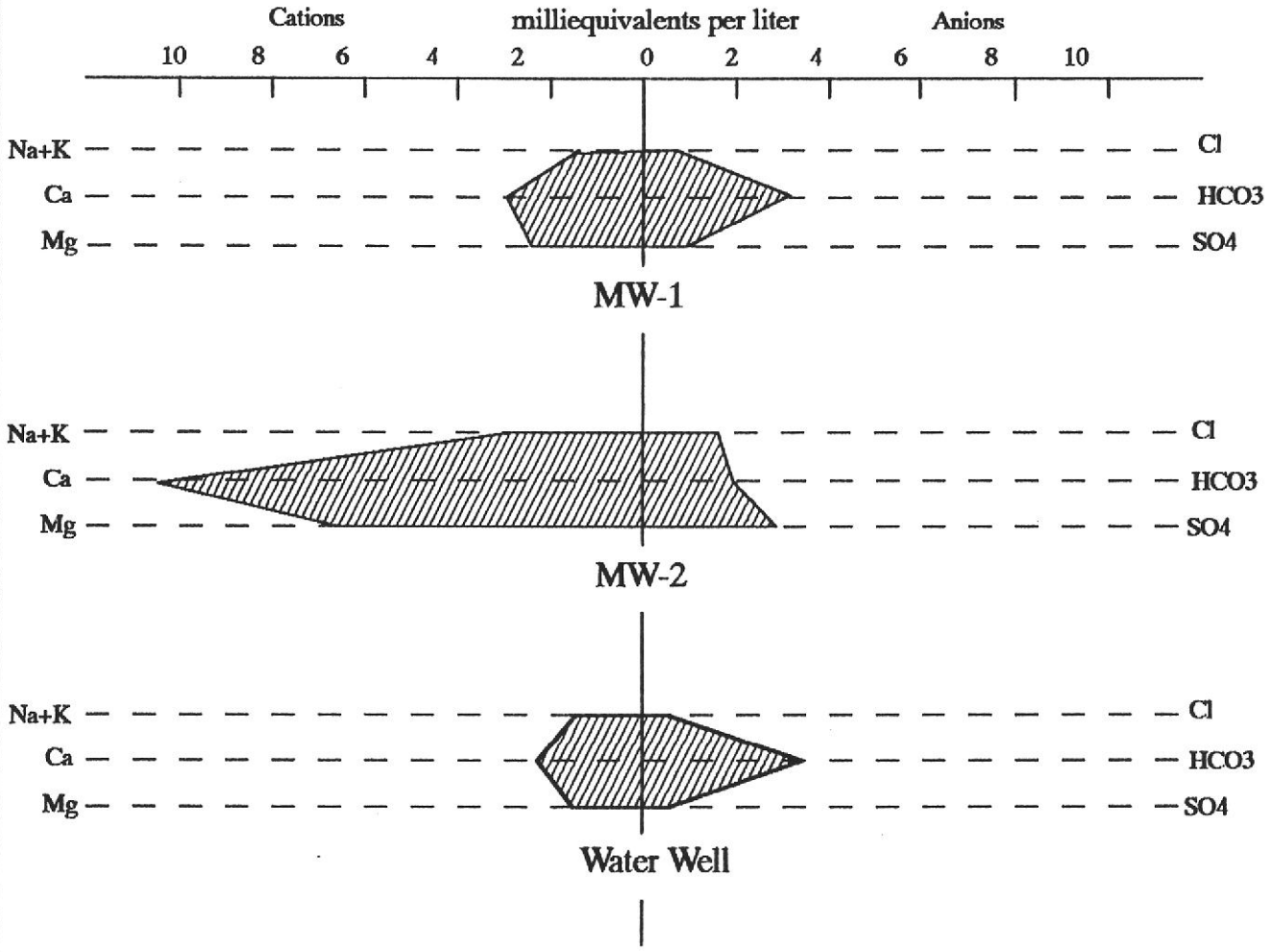
STIFF DIAGRAM OF GROUNDWATER SAMPLES FROM MW-1, MW-2 AND WATER WELL



BSK Job No. P92124

FIGURE 4

BSK & ASSOCIATES

ANALYTICAL RESULTS SOIL SAMPLES
VOLATILE HALOCARBONS, VOLATILE AROMATICS

	MW-1 #3 at 10 ft. Sampled 06/25/92		MW-2 #2 at 10 ft. Sampled 06/29/92		MW-2 # 3 at 16 ft. Sampled 06/29/92	
VOLATILE HALOCARBONS	Results	Det. Lim.	Results	Det. Lim.	Results	Det. Lim.
Chloromethane	ND	0.01	ND	0.01	ND	0.01
Vinyl Chloride	ND	0.02	ND	0.02	ND	0.02
Bromomethane	ND	0.02	ND	0.02	ND	0.02
Chloroethane	ND	0.01	ND	0.01	ND	0.01
Trichlorofluoromethane	ND	0.01	ND	0.01	ND	0.01
1,1-Dichloroethene	ND	0.01	ND	0.01	ND	0.01
Methylene Chloride	ND	0.01	ND	0.01	ND	0.01
Trans-1,2-Dichloroethene	ND	0.01	ND	0.01	ND	0.01
1,1-Dichloroethane	ND	0.01	ND	0.01	ND	0.01
Chloroform	ND	0.01	ND	0.01	ND	0.01
1,1,1-Trichloroethane	ND	0.01	ND	0.01	ND	0.01
Carbon Tetrachloride	ND	0.01	ND	0.01	ND	0.01
1,2-Dichloroethane	ND	0.01	ND	0.01	ND	0.01
Trichloroethene	ND	0.01	ND	0.01	ND	0.01
1,2-Dichloropropane	ND	0.01	ND	0.01	ND	0.01
Bromodichloromethane	ND	0.01	ND	0.01	ND	0.01
2-Chloroethylvinyl Ether	ND	0.01	ND	0.01	ND	0.01
Trans 1,3-Dichloropropene	ND	0.01	ND	0.01	ND	0.01
Cis 1,3-Dichloropropene	ND	0.01	ND	0.01	ND	0.01
1,1,2-Trichloroethane	ND	0.01	ND	0.01	ND	0.01
Tetrachloroethene	ND	0.01	ND	0.01	ND	0.01
Dibromochloromethane	ND	0.01	ND	0.01	ND	0.01
Chlorobenzene	ND	0.01	ND	0.01	ND	0.01
Bromoform	ND	0.01	ND	0.01	ND	0.01
1,1,2,2-Tetrachloroethane	ND	0.01	ND	0.01	ND	0.01
1,3-Dichlorobenzene	ND	0.01	ND	0.01	ND	0.01
1,4-Dichlorobenzene	ND	0.01	ND	0.01	ND	0.01
1,2-Dichlorobenzene	ND	0.01	ND	0.01	ND	0.01
1,2-Dichloropropane	ND	0.01	ND	0.01	ND	0.01
Dichlorodifluoromethane	ND	0.04	ND	0.04	ND	0.04
VOLATILE AROMATICS						
Benzene	ND	0.02	ND	0.02	ND	0.02
Toluene	ND	0.02	ND	0.02	ND	0.02
Ethyl Benzene	ND	0.02	ND	0.02	ND	0.02
Chlorobenzene	ND	0.05	ND	0.05	ND	0.05
Total Xylenes	ND	0.02	ND	0.02	ND	0.02
1,3-Dichlorobenzene	ND	0.05	ND	0.05	ND	0.05
1,4-Dichlorobenzene	ND	0.05	ND	0.05	ND	0.05
1,2-Dichlorobenzene	ND	0.05	ND	0.05	ND	0.05

Results in Milligrams per Kilogram *mg/Kg*

ND Indicates that compound is not detected at the specified limit

BSK Job No. P92124

TABLE 1

BSK & ASSOCIATES

ANALYTICAL RESULTS SOIL SAMPLES
PRIORITY POLLUTANT METALS, OTHER COMPOUNDS/ELEMENTS

METALS	MW-1 # 3 at 10 ft. Results	MW-1 # 3 at 10 ft. Det. Lim.	MW-2 # 1 at 10 ft. Results	MW-2 # 1 at 10 ft. Det. Lim.	MW-2 # 3 at 16 ft. Results	MW-2 # 3 at 16 ft. Det. Lim.	Soluble Threshold Limit Concentration (STLC) mg/l	Total Threshold Limit Concentration (TTLC) mg/Kg
Antimony (Sb)	ND	1.00	ND	1.00	ND	1.00	15	500
Arsenic (As)	ND	0.25	13	0.25	17	0.25	5.0	500
Beryllium (Be)	130	0.05	0.21	0.05	0.29	0.05	0.75	75
Cadmium (Cd)	3.7	0.05	2.7	0.05	3.2	0.05	1.0	100
Chromium (Total Cr)	35	0.50	21	0.50	35	0.50	560	2500
Chromium VI (CrVI)	ND	0.5	ND	5.0	ND	0.5	5	500
Copper (Cu)	19	0.25	16	0.25	19	0.25	25	2500
Lead (Pb)	13	0.50	11	0.50	13	0.50	5.0	1000
Mercury (Hg)	0.12	0.05	0.15	0.05	0.20	0.05	0.2	20
Nickel (Ni)	51	0.50	32	0.50	32	0.50	20	2000
Selenium (Se)	2.8	0.25	4.3	0.25	45.0	0.25	1.0	100
Silver (Ag)	ND	0.25	ND	0.25	ND	0.25	5	500
Thallium (Tl)	ND	2.00	ND	2.00	ND	2.00	7.0	700
Zinc (Zn)	49	0.25	30	0.25	39	0.25	250	5000
OTHER CHEMICAL ANALYSIS								
Cyanide	ND	0.25	ND	0.25	ND	0.25		
pH (Std. Units)	7.1	NA	7.4	NA	7.4	NA		
Redox Potential								
Saturated Paste (millivolts)	520	NA	750	NA	500	NA		
Total Organic Carbon	--	5	3700	5	1200	5		

Results in Miligrams per Kilogram *mg/Kg*
ND Indicates that compound is not detected at the specified limit
NA Indicates not available
-- Indicates not analyzed
Soluble Threshold Limit Concentrations and Total Threshold Limit Concentrations from Title 22, Chapter 30 California Code of Regulations, Environmental Health

BSK Job No. P92124

TABLE 2

BSK & ASSOCIATES

ANALYTICAL RESULTS GROUNDWATER SAMPLES
VOLATILE HALOCARBONS, VOLATILE AROMATICS

	MW-1		MW-2		MW-3		Water Well		Maximum
	Sampled 07/14/92		Sampled 07/14/92		Sampled 07/14/92		Sampled 07/16/92		Contaminant
VOLATILE HALOCARBONS	Results	Det. Lim.	Results	Det. Lim.	Results	Det. Lim.	Results	Det. Lim.	Level (MCL)
Chloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	NA
Vinyl Chloride	ND	1.0	ND	1.0	ND	1.0	ND	1.0	0.5
Bromomethane	ND	1.0	ND	1.0	ND	1.0	ND	1.0	NA
Chloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	NA
Trichlorofluoromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	150
1,1-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	6
Methylene Chloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5	NA
Trans-1,2-Dichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	10
1,1-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	0.5
Chloroform	ND	0.5	ND	0.5	ND	0.5	ND	0.5	100
1,1,1-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	200
Carbon Tetrachloride	ND	0.5	ND	0.5	ND	0.5	ND	0.5	0.5
1,2-Dichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	0.5
Trichloroethene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	5
1,2-Dichloropropane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	5
Bromodichloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	100
2-Chloroethylvinyl Ether	ND	0.5	ND	0.5	ND	0.5	ND	0.5	NA
Trans 1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	0.5
Cis 1,3-Dichloropropene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	0.5
1,1,2-Trichloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	32
Tetrachloroethene	8.8	0.5	3	0.5	5	0.5	ND	0.5	5
Dibromochloromethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	100
Chlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	30
Bromoform	ND	0.5	ND	0.5	ND	0.5	ND	0.5	100
1,1,2,2-Tetrachloroethane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	1
1,3-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	NA
1,4-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	5
1,2-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	NA
1,2-Dichloropropane	ND	0.5	ND	0.5	ND	0.5	ND	0.5	5
Dichlorodifluoromethane	ND	2.0	ND	2.0	ND	2.0	300	2.0	NA
VOLATILE AROMATICS									
Benzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	1
Toluene	ND	0.5	0.7	0.5	ND	0.5	ND	0.5	NA
Ethyl Benzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	680
Chlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	30
Total Xylenes	ND	0.5	ND	0.5	ND	0.5	ND	0.5	1750
1,3-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	NA
1,4-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	5
1,2-Dichlorobenzene	ND	0.5	ND	0.5	ND	0.5	ND	0.5	NA

Results in Micrograms per Liter *ug/L*

ND Indicates that compound is not detected at the specified limit

NA Indicates not available

Maximum Contaminant Level from Title 22, Chapter 15 California Code of Regulations, Environmental Health

BSK Job No. P92124

TABLE 3

BSK & ASSOCIATES

ANALYTICAL RESULTS GROUNDWATER SAMPLES
PRIORITY POLLUTANT METALS

(4) DISSOLVED METALS	MW-1 Sampled 07/14/92 Results	MW-1 Det. Lim.	MW-2 Sampled 07/14/92 Results	MW-2 Det. Lim.	MW-3 Sampled 07/14/92 Results	MW-3 Det. Lim.	Water Well Sampled 07/16/92 Results	Water Well Det. Lim.	Maximum Contaminant Level (MCL)(6)
Antimony (Sb)	ND	0.02	0.03	0.02	ND	0.02	ND	0.02	NA
Arsenic (As)	ND	0.005	0.30	0.005	ND	0.005	ND	0.005	0.05
Beryllium (Be)	ND	0.001	ND	0.001	ND	0.001	ND	0.001	NA
Cadmium (Cd)	ND	0.001	ND	0.001	ND	0.001	ND	0.001	0.01
Chromium (Total Cr)(1)	ND	0.01	--*	0.01	ND	0.01	ND	0.01	0.05
Chromium (Total Cr)(2)	--	0.01	--	--	--	--	--	--	0.05
Chromium (Total Cr)(3)	--	--	650	0.5	--	--	--	--	0.05
Chromium VI (CrVI)(1)	ND	0.01	--*	0.01	ND	0.01	ND	0.01	NA
Chromium VI (CrVI)(2)	--	--	--	--	--	--	--	--	NA
Chromium VI (CrVI)(3)	--	--	--	--	--	--	--	--	NA
Copper (Cu)	ND	0.005	0.36	0.005	ND	0.005	ND	0.005	1.0**
Lead (Pb)	ND	0.01	ND	0.01	ND	0.01	ND	0.01	0.05
Mercury (Hg)	ND	0.001	0.001	0.001	ND	0.001	0.001	0.001	0.02
Nickel (Ni)	ND	0.02	ND	0.02	ND	0.02	ND	0.02	NA
Selenium (Se)	ND	0.005	0.17	0.005	ND	0.005	ND	0.005	0.01
Silver (Ag)	ND	0.005	ND	0.005	ND	0.005	ND	0.005	0.05
Thallium (Tl)	ND	0.04	ND	0.04	ND	0.04	ND	0.04	NA
Zinc (Zn)	0.02	0.005	0.07	0.005	0.02	0.005	0.01	0.005	5.0**
(5) TOTAL METALS									
Antimony (Sb)	ND	0.02	4.8	0.02					
Arsenic (As)	ND	0.005	0.32	0.005					
Beryllium (Be)	ND	0.001	0.003	0.001					
Cadmium (Cd)	ND	0.001	ND	0.001					
(1)Chromium (Total Cr)	ND	0.01	--*	0.01					
(1)Chromium VI (CrVI)	ND	0.01	--*	0.01					
Copper (Cu)	ND	0.005	0.28	0.005					
Lead (Pb)	ND	0.01	0.04	0.01					
Mercury (Hg)	ND	0.001	ND	0.001					
Nickel (Ni)	ND	0.02	0.83	0.02					
Selenium (Se)	ND	0.005	0.68	0.005					
Silver (Ag)	ND	0.005	0.13	0.005					
Thallium (Tl)	ND	0.04	ND	0.04					
Zinc (Zn)	0.02	0.005	0.16	0.005					

Results in Miligrams per Liter (*mg/L*)

ND Indicates that compound is not detected at the specified limit

-- Indicates not analyzed

NA Indicates not available

--* Indicates analysis did not meet QA/QC requirements

(1) Analysis performed by Chromalab, Inc.

(2) Analysis performed by Lockheed Analytical Laboratory

(3) Analysis performed by BSK Analytical Laboratory

(4) Samples field filtered with 0.45 micron filter

(5) Analysis performed on non-filtered sample

(6) Maximum Contaminant Level from Title 22, Chapter 15 California Code of Regulations, Environmental Health

** Consumer Acceptance Limits

BSK Job No. P92124

TABLE 4

BSK & ASSOCIATES

ANALYTICAL RESULTS GROUNDWATER SAMPLES
PRIORITY POLLUTANT METALS

Field Filtered (4) DISSOLVED METALS	MW-2 Sampled 07/27/92 Results	Det. Lim.	MAXIMUM CONTAMINENT LEVEL (MCL)(6)
Antimony (Sb)	--	--	NA
Arsenic (As)	--	--	0.05
Beryllium (Be)	--	--	NA
Cadmium (Cd)	--	--	0.01
Chromium (Total Cr)(1)	700	0.01	0.05
Chromium (Total Cr)(2)	670	0.01	0.05
Chromium (Total Cr)(3)	--	--	0.05
Chromium VI (CrVI)(1)	680	0.01	NA
Chromium VI (CrVI)(2)	680	20	NA
Chromium VI (CrVI)(3)	--	--	NA
Copper (Cu)	--	--	1.0**
Lead (Pb)	--	--	0.05
Mercury (Hg)	--	--	0.02
Nickel (Ni)	--	--	NA
Selenium (Se)	--	--	0.01
Silver (Ag)	--	--	0.05
Thallium (Tl)	--	--	NA
Zinc (Zn)	--	--	5.0**
(5) TOTAL METALS Non-Filtered Samples			
Antimony (Sb)	--	--	
Arsenic (As)	--	--	
Beryllium (Be)	--	--	
Cadmium (Cd)	--	--	
Chromium (Total Cr)(1)	690	0.05	
Chromium VI (CrVI)(1)	640	0.01	
Copper (Cu)	--	--	
Lead (Pb)	--	--	
Mercury (Hg)	--	--	
Nickel (Ni)	--	--	
Selenium (Se)	--	--	
Silver (Ag)	--	--	
Thallium (Tl)	--	--	
Zinc (Zn)	--	--	

Results in Miligrams per Liter (*mg/L*)
ND Indicates that compound is not detected at the specified limit
-- Indicates not analysis
--* Indicates analysis did not meet QA/QC requirements
(1) Analysis performed by Chromalab, Inc.
(2) Analysis performed by Lockheed Analytical Laboratory
(3) Analysis performed by BSK Analytical Laboratory
(4) Samples field filtered with 0.45 micron filter
(5) Analysis performed on non-filtered sample
(6) Maximum Contaminant Level from Title 22, Chapter 15 California Code of Regulations, Environmental Health
** Consumer Acceptance Limits

BSK Job No. P92124

TABLE 5

BSK & ASSOCIATES

ANALYTICAL RESULTS GROUNDWATER SAMPLES
GENERAL MINERAL, OTHER COMPOUNDS/ELEMENTS

CONSTITUENT	MW-1 Sampled 07/14/92 Results	MW-1 Det. Lim.	MW-2 Sampled 07/14/92 Results	MW-2 Det. Lim.	MW-3 Sampled 07/14/92 Results	MW-3 Det. Lim.	Water Well Sampled 07/16/92 Results	Water Well Det. Lim.	MAXIMUM CONTAMINENT LEVEL (MCL)
Calicum (Ca)	68	0.1	210	0.1	--	--	45	0.1	NA
Magnesium (Mg)	27	0.1	80	0.1	--	--	18	0.1	NA
Sodium (Na)	32	1	55	1	--	--	33	1	NA
Potassium (K)	ND	1	ND	10	--	--	ND	10	NA
Alkalinity (as CaCO3)	170	10	95	10	--	--	170	10	NA
Hydroxide (OH)	ND	1	ND	1	--	--	ND	1	NA
Carbonate (CO3)	ND	1	ND	1	--	--	ND	1	NA
Bicarbonate (HCO3)	210	12	120	12	--	--	210	12	NA
Chloride (Cl)	29	1	58	1	--	--	20	1	250-500
Sulfate (SO4)	51	1	140	1	--	--	26	1	250-500
Copper (Cu)	ND	0.05	ND	0.5	--	--	ND	0.5	1.0
Iron (Fe)	ND	0.05	ND	0.5	--	--	ND	0.5	300
Manganese (Mn)	0.01	0.01	1.9	0.1	--	--	0.03	0.1	50
Zinc (Zn)	ND	0.05	ND	0.5	--	--	ND	0.5	5.0
Foaming Agents (MBAS)	ND	0.05	ND	0.05	--	--	ND	0.05	0.5
pH (Std. Units)	7.3	NA	5.7	NA	7.7	NA	7.5	NA	NA
Electrical Conductance (umho/cm)	670	20	1700	20	--	20	490	20	900-1600
Redox Potential (millivolts)	410	NA	590	NA	364	NA	520	NA	NA
OTHER COMPOUNDS /ELEMENTS									
Cyanide (CN)	ND	0.02	ND	0.02	ND	0.02	ND	0.02	NA
Vanadium (V)	--	--	0.2	0.1	--	--	--	--	NA
Barium (Ba)	--	--	ND	0.5	--	--	--	--	1.0
Molybdenum (Mo)	--	--	ND	0.5	--	--	--	--	NA
Cobalt (Co)	--	--	ND	0.5	--	--	--	--	NA
CALCULATED VALUES									
Dissolved Solids (TDS)	420	10	1100	10	--	--	310	10	500-1000

Results in Miligrams per Liter *mg/L* except were indicated
ND Indicates that compund is not detected at the specified limit
NA Indicates not available
-- Indicates not analyzed
Maximum Contaminent Level from Title 22, Chapter 15
California Code of Regulations, Environmental Health

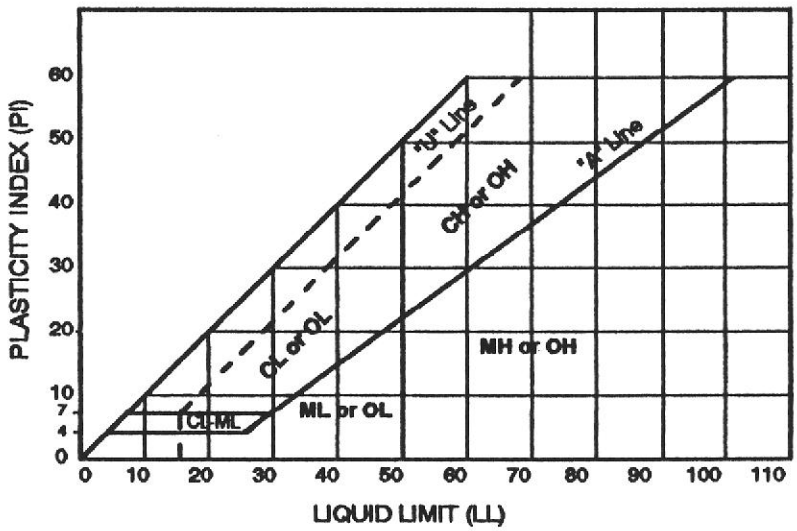
BSK Job No. P92124
TABLE 6

BSK & ASSOCIATES

UNIFIED SOIL CLASSIFICATION CHART

SYMBOL	LETTER	DESCRIPTION	MAJOR DIVISIONS			
	GW	WELL-GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	CLEAN GRAVELS (LITTLE OR NO FINES)	GRAVELS MORE THAN HALF OF COARSE FRACTION IS LARGER THAN NO.4 SIEVE SIZE	FOR VISUAL CLASSIFICATION, THE 1/4" SIZE MAY BE USED AS EQUIVALENT TO THE NO.4 SIEVE SIZE	COARSE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS LARGER THAN NO.200 SIEVE SIZE
	GP	POORLY-GRADED GRAVELS OR GRAVEL-SAND MIXTURES, LITTLE OR NO FINES				
	GM	SILTY GRAVELS, GRAVEL-SAND-SILT MIXTURES	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)			
	GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES				
	SW	WELL-GRADED SAND OR GRAVELLY SANDS, LITTLE OR NO FINES	CLEAN SANDS (LITTLE OR NO FINES)	SANDS MORE THAN HALF OF COARSE FRACTION IS SMALLER THAN NO.4 SIEVE SIZE		
	SP	POORLY-GRADED SANDS OR GRAVELLY SANDS, LITTLE OR NO FINES				
	SM	SILTY SANDS, SAND-SILT MIXTURES	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)			
	SC	CLAYEY SANDS, SAND-CLAY MIXTURES				
	ML	INORGANIC SILTS, VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY	SILTS & CLAYS LIQUID LIMIT LESS THAN 50			FINE-GRAINED SOILS MORE THAN HALF OF MATERIAL IS SMALLER THAN NO.200 SIEVE SIZE THE NO.200 U.S. STANDARD SIEVE IS ABOUT THE SMALLEST PARTICLE VISIBLE TO THE NAKED EYE
	CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS				
	OL	ORGANIC SILTS AND ORGANIC SILT-CLAYS OF LOW PLASTICITY				
	MH	ORGANIC SILTS AND ORGANIC SILT-CLAYS OF LOW PLASTICITY	SILTS & CLAYS LIQUID LIMIT GREATER THAN 50			
	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS				
	OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS				
	PT	PEAT AND OTHER HIGHLY ORGANIC SOILS	HIGHLY ORGANIC SOILS			

SOIL PLASTICITY CHART



TYPES OF SAMPLERS

SPT--Standard Penetration 1.4" ID Split Spoon Sampler
CS--2" ID Split Spoon Sampler
MC--2.4" ID California Sampler
SH--3.0" ID Thin-Wall (Shelby Tube)
CC--2.7" ID Double Tube Continuous Coring Sampler

NOTES

ND Denotes concentration below the test detection limits
-- Denotes not analysed
PID-Photolonization Detector

McLemore Trust Hard Chrome Eng. Inc. Oakland, CA	BSK Job. No. P92124 FIGURE A-1	BSK & ASSOCIATES

BORING LOG MW-1

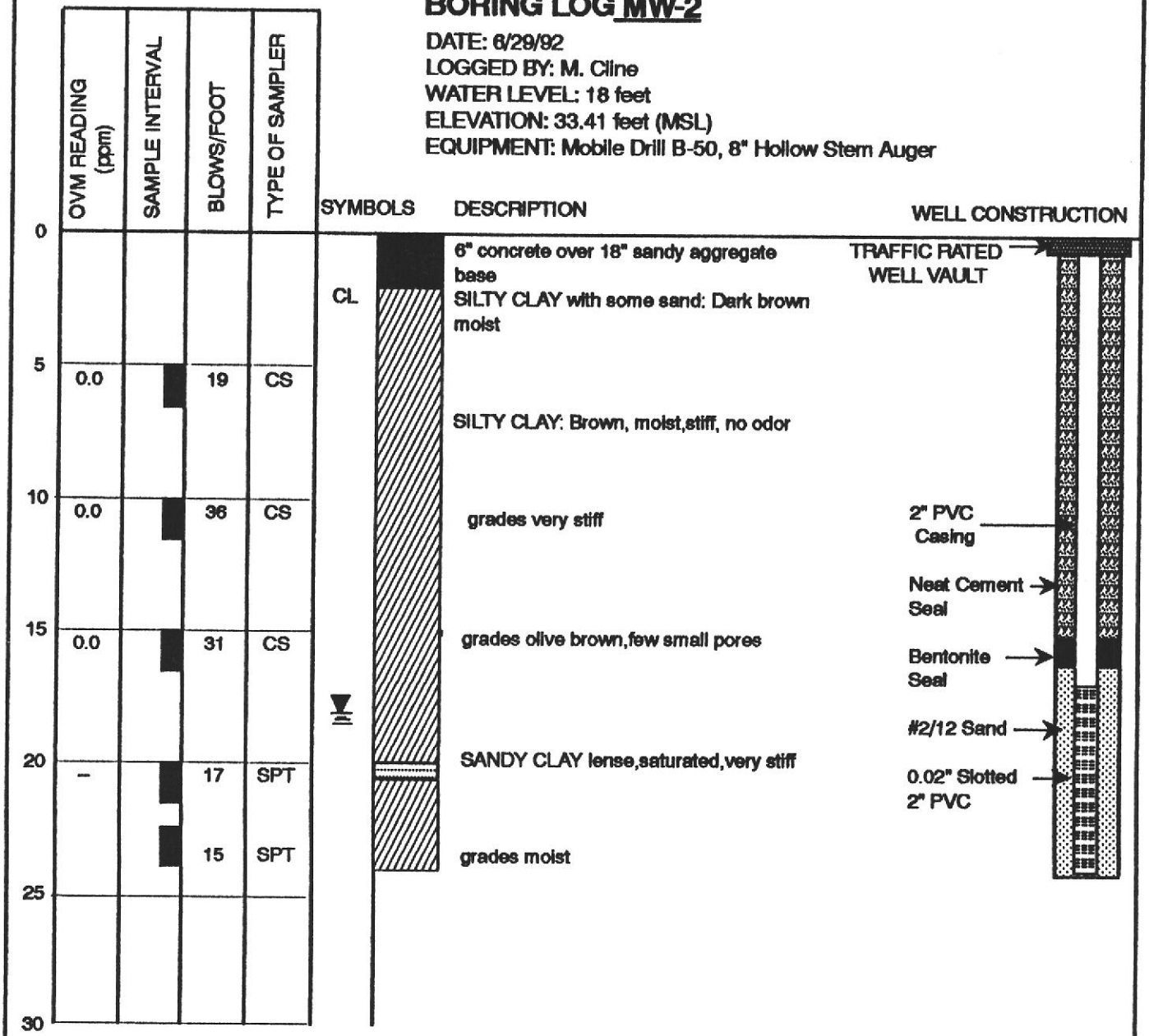
DATE: 6/25/92
LOGGED BY: M. Cline
WATER LEVEL: 18 feet
ELEVATION: 33.06 feet (MSL)
EQUIPMENT: Mobile Drill B-53, 8" Hollow Stem Auger

	OVM READING (ppm)	SAMPLE INTERVAL	BLOWS/FOOT	TYPE OF SAMPLER	SYMBOLS	DESCRIPTION	WELL CONSTRUCTION
0					FILL	SANDY SILT: Brown, damp, loose to firm,concrete fragments	TRAFFIC RATED WELL VAULT
	1.5		9	CS	CL	SILTY CLAY with some sand: Dark brown moist, medium stiff,no odor	
5	–		25	CS		grades to brown, moist,very stiff, no odor	
10	0.0		26	CS		grades to having trace pores with olive brown staining,blocky, no odor	2" PVC Casing
							Neat Cement Seal
15	6.0		29	CS		olive grey to black staining in pores some pores wet	Bentonite Seal
					▼		#2/12 Sand
20	–		13	CS		grades to olive brown,trace sand, very moist with saturated pores,stiff	0.02" Slotted 2" PVC
	–		33	CS		grades to olive mottled olive brown, very stiff,moist to wet in pores	
25	–		18	CS		grades to olive brown,moist,very stiff carbonates at 26 ft.	Bentonite Seal
	–		34	SPT	SM SP	SILTY SAND/SAND: Light brown, saturated,dense,gravelly sand lenses	
30							

McLemore Trust Hardchrome Eng. Inc. Oakland, California	BSK Iob No. P92124 FIGURE A-2	BSK & ASSOCIATES

BORING LOG MW-2

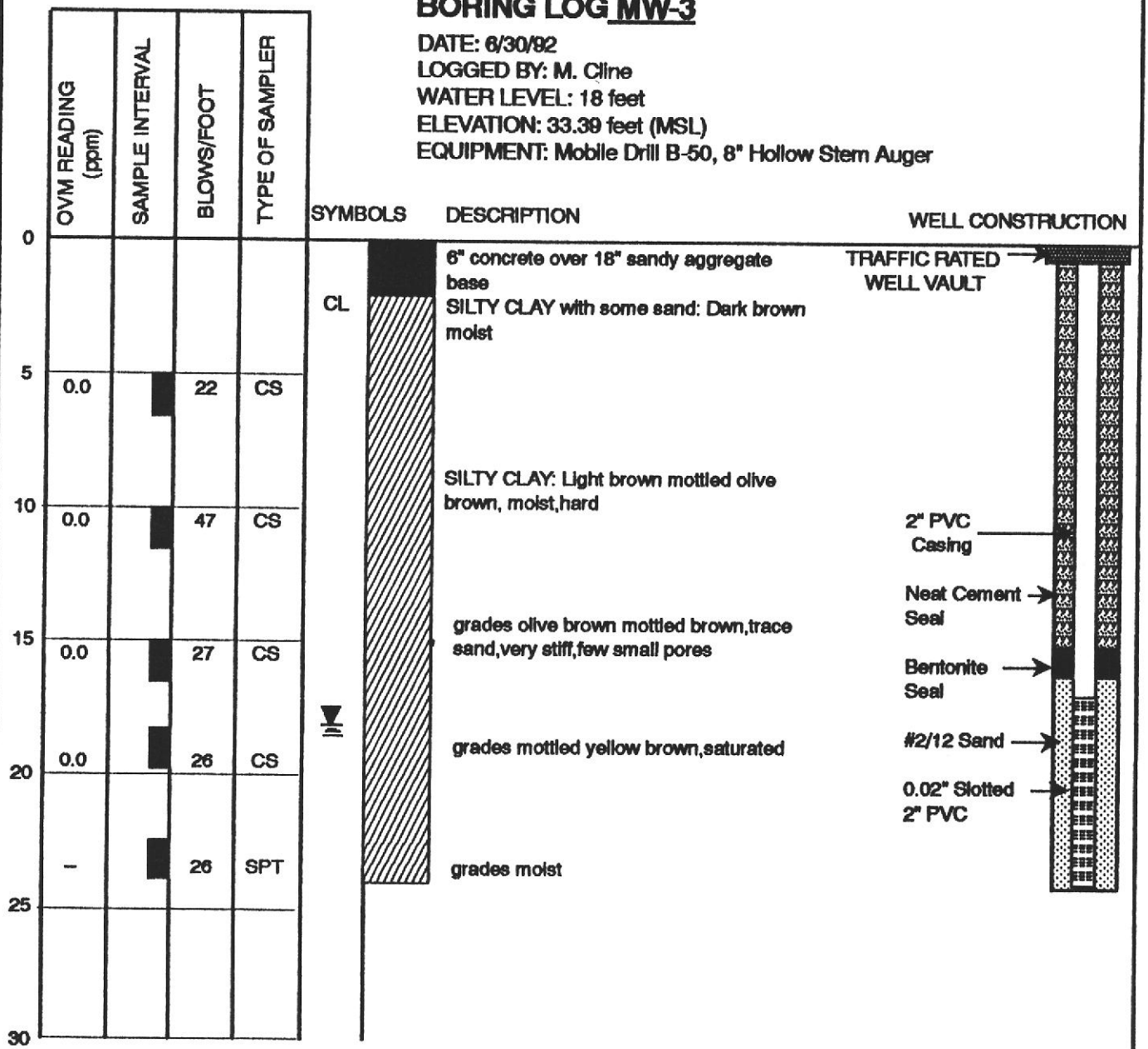
DATE: 6/29/92
LOGGED BY: M. Cline
WATER LEVEL: 18 feet
ELEVATION: 33.41 feet (MSL)
EQUIPMENT: Mobile Drill B-50, 8" Hollow Stem Auger



McLemore Trust Hardchrome Eng. Inc. Oakland, California	BSK Job No. P92124 FIGURE A-3	BSK & ASSOCIATES

BORING LOG MW-3

DATE: 6/30/92
LOGGED BY: M. Cline
WATER LEVEL: 18 feet
ELEVATION: 33.39 feet (MSL)
EQUIPMENT: Mobile Drill B-50, 8" Hollow Stem Auger



McLemore Trust Hardchrome Eng. Inc. Oakland, California	BSK Job No. P92124 FIGURE A-4	BSK & ASSOCIATES

WELL FIELD LOG

PROJECT NAME AND LOCATION: McLemore Trust (Hard Chrome Eng. Inc.)
Oakland, CA.

PERSONNEL: M. Cline
WEATHER: Clear, Warm

WELL INFORMATION:

Well No.: MW-1
Depth to Water: 18.33 feet
Water Volume: 0.9 gallons
Reference Elevation: 32.85 feet MSL
Groundwater Elevation: 14.52 feet MSL
Measurement Technique: Electric Well Sounder

Date Purged: 7/14/92
Purge Method: Bladder Pump
Purge Rate: 0.3 gpm

IMMISCIBLE LAYERS:

Top: None Observed, No Odor
Detection Method: Visual, Olfactory
Collection Method: Clear Acrylic Bailer

Bottom: None Observed, No Odor

WELL DEVELOPMENT/PURGE DATA:

TIME	Volume Removed (gallons)	Electrical Conductivity (uS/cm)	pH	Temperature (degrees F)	Remarks
12:25	--	--	--	--	
12:29	1.0	577	6.2	79	
12:34	2.0	544	6.1	74	
12:37	3.0	535	6.1	72	
12:40	4.0	524	6.1	71	

SAMPLE COLLECTION DATA

Sampling Equipment: Bladder Pump

TIME	ANALYSIS	CONTAINER USED	NOTES
12:40	EPA 601/602	2-40 ml vials with HCL	Sample unfiltered
	Chromium VI	2-16 oz. poly untreated	1-filtered,1-unfiltered
	Pri. Pol. Metals	2-16 oz. poly w/HNO3	1-filtered,1-unfiltered
	Cyanide	1-16 oz. poly w/NaOH	Sample filtered
	Gen. Min./ORP	1-32 oz. untreated	Sample filtered

McLemore Trust Hard Chrome Eng. Inc. 750 107 th. Avenue Oakland, CA	BSK Job No. P92124 FIGURE A-5	BSK & ASSOCIATES

WELL FIELD LOG

PROJECT NAME AND LOCATION: McLemore Trust (Hard Chrome Eng. Inc.)
Oakland, CA.

PERSONNEL: M. Cline

WEATHER: Clear, Warm

WELL INFORMATION:

Well No.: MW-2
Depth to Water: 18.66 feet
Water Volume: 0.9 gallons
Reference Elevation: 33.00 feet MSL
Groundwater Elevation: 14.34 feet MSL
Measurement Technique: Electric Well Sounder

Date Purged: 7/14/92
Purge Method: Bladder Pump
Purge Rate: 0.2 gpm

IMMISCIBLE LAYERS:

Top: Water Yellow,transparent, No Odor
Bottom: Water orange yellow,trace brown clay, No Odor
Detection Method: Visual, Olfactory
Collection Method: Clear Acrylic Bailer

WELL DEVELOPMENT/PURGE DATA:

TIME	Volume Removed (gallons)	Electrical Conductivity (uS/cm)	pH	Temperature (degrees F)	Remarks
14:25	--	--	--	--	
14:30	1.0	1518	7.2	73	
14:33	2.0	1400	6.9	70	
14:37	3.0	1350	6.6	69	
14:42	4.0	1324	6.5	69	

SAMPLE COLLECTION DATA

Sampling Equipment: Bladder Pump

TIME	ANALYSIS	CONTAINER USED	NOTES
14:50	EPA 601/602	2-40 ml vials with HCL	Sample unfiltered
	Chromium VI	2-16 oz. poly untreated	1-filered,1-unfiltered
	Pri. Pol. Metals	2-16 oz. poly w/HNO3	1-filered,1-unfiltered
	Cyanide	1-16 oz. poly w/NaOH	Sample filtered
	Gen. Min./ORP	1-32 oz. untreated	Sample filtered

McLemore Trust Hard Chrome Eng. Inc. 750 107 th. Avenue Oakland, CA	BSK Job No. P92124 FIGURE A-6	BSK & ASSOCIATES

WELL FIELD LOG

PROJECT NAME AND LOCATION: McLemore Trust (Hard Chrome Eng. Inc.)
Oakland, CA.

PERSONNEL: M. Cline
WEATHER: Clear, Warm

WELL INFORMATION:

Well No.: MW-3
Depth to Water: 18.55 feet
Water Volume: 0.9 gallons
Reference Elevation: 32.99 feet MSL
Groundwater Elevation: 14.44 feet MSL
Measurement Technique: Electric Well Sounder

Date Purged: 7/14/92
Purge Method: Bladder Pump
Purge Rate: 0.2 gpm

IMMISCIBLE LAYERS:

Top: None Observed, No Odor
Detection Method: Visual, Olfactory
Collection Method: Clear Acrylic Bailer

Bottom: Trace brown clay, No Odor

WELL DEVELOPMENT/PURGE DATA:

TIME	Volume Removed (gallons)	Electrical Conductivity (uS/cm)	pH	Temperature (degrees F)	Remarks
13:30	--	--	--	--	
13:33	1.0	620	7.0	79	
13:38	2.0	397	6.8	74	
13:44	3.0	371	6.5	72	
13:47	4.0	360	6.6	71	

SAMPLE COLLECTION DATA

Sampling Equipment: Bladder Pump

TIME	ANALYSIS	CONTAINER USED	NOTES
13:50	EPA 601/602	2-40 ml vials with HCL	Sample unfiltered
	Chromium VI	1-16 oz. poly untreated	Sample filtered
	Pri. Pol. Metals	1-16 oz. poly w/HNO3	Sample filtered
	Cyanide	1-16 oz. poly w/NaOH	Sample filtered

McLemore Trust Hard Chrome Eng. Inc. 750 107 th. Avenue Oakland, CA	BSK Job No. P92124 FIGURE A-7	BSK & ASSOCIATES

WELL FIELD LOG

PROJECT NAME AND LOCATION: McLemore Trust (Hard Chrome Eng. Inc.)
Oakland, CA.

PERSONNEL: M. Cline
WEATHER: Clear, Warm

WELL INFORMATION:

Well No.: Water Well
Depth to Water: 19.18 feet
Water Volume: 89 gallons
Reference Elevation: 33.62 feet (MSL)
Groundwater Elevation: 14.44 feet (MSL)
Measurement Technique: Electric Well Sounder

Date Purged: 7/16/92
Purge Method: 4-inch Submersible
Purge Rate: 7.1 gpm

IMMISCIBLE LAYERS:

Top: Slight rust color, No Odor
Detection Method: Visual, Olfactory
Collection Method: Clear Acrylic Bailer

Bottom: None Observed, No Odor

WELL DEVELOPMENT/PURGE DATA:

TIME	Volume Removed (gallons)	Electrical Conductivity (uS/cm)	pH	Temperature (degrees F)	Remarks
13:26	--	--	--	--	
13:41	90	513	7.3	77	
13:52	180	469	6.7	73	
14:01	240	470	6.7	71	
14:05	275	469	6.6	70	
14:30		436	6.5	75	Sampled with bailer

SAMPLE COLLECTION DATA

Sampling Equipment: Teflon Point Source Bailer

TIME	ANALYSIS	CONTAINER USED	NOTES
14:30	EPA 601/602	2-40 ml vials with HCL	Sample unfiltered
	Chromium VI	1-16 oz. poly untreated	Sample filtered
	Pri. Pol. Metals	1-16 oz. poly w/HNO3	Sample filtered
	Cyanide	1-16 oz. poly w/NaOH	Sample filtered
	Gen. Min./ORP	1-32 oz. poly untreated	Sample filtered

McLemore Trust Hard Chrome Eng. Inc. 750 107 th. Avenue Oakland, CA	BSK Job No. P92124 FIGURE A-8	BSK & ASSOCIATES

WELL FIELD LOG

PROJECT NAME AND LOCATION: McLemore Trust (Hard Chrome Eng. Inc.)
Oakland, CA.

PERSONNEL: M. Cline
WEATHER: Clear, Warm

WELL INFORMATION:

Well No.: MW-2 (resample)
Depth to Water: 18.78 feet
Water Volume: 0.8 gallons
Reference Elevation: 33.00 feet MSL
Groundwater Elevation: 14.22 feet MSL
Measurement Technique: Electric Well Sounder

Date Purged: 7/27/92
Purge Method: Bladder Pump
Purge Rate: 0.3 gpm

IMMISCIBLE LAYERS:

Top: Water Yellow,transparent, No Odor
Bottom: Water orange yellow,trace brown clay, No Odor
Detection Method: Visual, Olfactory
Collection Method: Clear Acrylic Bailer

WELL DEVELOPMENT/PURGE DATA:

TIME	Volume Removed (gallons)	Electrical Conductivity (uS/cm)	pH	Temperature (degrees F)	Remarks
13:14	--	--	--	--	
13:20	1.0	1560	7.1	79	
13:23	2.0	1490	6.4	74	
13:26	3.0	1406	6.1	73	
13:29	4.0	1389	5.8	72	
13:33	5.0	1485	5.6	71	
13:36	6.0	1335	6.1	71	
13:40	7.0	1321	6.2	71	

SAMPLE COLLECTION DATA

Sampling Equipment: Bladder Pump

TIME	ANALYSIS	CONTAINER USED	NOTES
13:43	Chromium VI	1-16 oz. poly untreated	Sample unfiltered
13:44	Total Chromium	1-16 oz. poly w/HNO3	Sample unfiltered
13:45	Chromium VI	1-16 oz. poly untreated	Sample filtered
13:46	Chromium VI	1-16 oz. poly untreated	Sample filtered
13:47	Total Chromium	1-16 oz. poly w/HNO3	Sample filtered
13:48	Total Chromium	1-16 oz. poly w/HNO3	Sample filtered

McLemore Trust Hard Chrome Eng. Inc. 750 107 th. Avenue Oakland, CA	BSK Job No. P92124 FIGURE A-9	BSK & ASSOCIATES

ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588 VOICE (510) 484-2600
FAX (510) 462-3914

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Hard Chrome Eng. Inc.
750 107th Ave.
Oakland, CA 94566

CLIENT
Name Dee M. McLemore Trust
Address 145 Riverhaven Pl. Phone (702) 746-2102
City Reno, Nevada Zip 89509

APPLICANT
Name BSK & Associates
Address 1181 Quarry Ln. Phone (510) 462-4000
City Pleasanton Zip 94566

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	___	General	___
Water Supply	___	Contamination	X
Monitoring	X	Well Destruction	___

PROPOSED WATER SUPPLY WELL USE
Domestic ___ Industrial ___ Other ___
Municipal ___ Irrigation ___

DRILLING METHOD:
Mud Rotary ___ Air Rotary ___ Auger X
Cable ___ Other ___

DRILLER'S LICENSE NO. C57 490942

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum
Casing Diameter 2 in. Depth 40 ft.
Surface Seal Depth 20 ft. Number 3

GEOTECHNICAL PROJECTS
Number of Borings ___ Maximum
Hole Diameter ___ in. Depth ___ ft.

ESTIMATED STARTING DATE June 18, 1992
ESTIMATED COMPLETION DATE June 26, 1992

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Marty Clin Date 6/15/92

FOR OFFICE USE

PERMIT NUMBER 92303
LOCATION NUMBER ___

PERMIT CONDITIONS

Circled Permit Requirements Apply

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well Projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

(B.) WATER WELLS, INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

C. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

D. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

E. WELL DESTRUCTION. See attached.

Approved Wyman Hong Date 15 Jun 92
Wyman Hong

31992

HMH, Incorporated
Civil Engineers • Planners • Surveyors

Kenneth H. Hankins, R.C.E.
Edwin J. Miller, R.C.E.
James T. Harper
John E. Eastus, R.C.E.
William J. Wagner, R.C.E.

August 4, 1992
Job No. 2144-00-00
Sheet 1 of 1 Sheet

W E L L E L E V A T I O N S

Hard Chrome Engineering, Inc.
750 107th Avenue
Oakland, California

WELL DESIGNATION	ELEVATIONS	REMARKS
MW-1	33.06	CHRISTY RIM
	32.85	P.V.C. CASING
MW-2	33.41	RIM (FLOOR)
	33.00	P.V.C. CASING
MW-3	33.39	RIM (FLOOR)
	32.99	P.V.C. CASING
WATER	33.62	TOP OF CONC. BASE

BENCH MARK:

0.05 Mile Southeast along the Southern Pacific Company Railroad from the crossing of 98th Avenue at Oakland. 47.1 feet Southwest of the Southwest rail of the main track. 96.45 feet West-Southwest and across the track from R.M. 3. 78.25 feet Northwest of R.M. 4. 95.3 feet West-Southwest and across the track from the West corner of a concrete loading dock of the Southern Pacific Company freight building. 0.6 foot Northeast of a cyclone fence. 5.5 feet Southeast of a fence post. 1.8 feet West of a witness post. About 1 foot lower than the track. And set in the top of a concrete post projecting 0.3 foot above the ground. (SAN LEANDRO SE BASE RESET)

ELEVATION: 6.959 METERS / 22.83 FEET

NOTE:

Well elevations obtained by field survey dated July 23, 1992.

1353 Oakland Road P.O. Box 611510, San Jose, CA 95161-1510 408/294-3232 Fax: 408/298-3812

BSK Log Number 1704

ANALYSIS REQUEST/CHAIN OF CUSTODY RECORD

1000-7454

Client Name	McLemore Trust (BSK P)
Project or P.O.#	P92124.3
Address	1181 Quarry Ln.
Phone #	(510) 462-4000
City, State, Zip	Pleasanton,
Report, attention	Martin Cline
Sampled by	M. Cline

Lab Use Only in this section

Analysis required: EPA 8010/8020 | Redox Potential | F#40- pH DD | Hazardous sample Special handling required

7-8-92

Date sampled	Time sampled	Type (See key below)	Sample description	Number of containers	Lab Sample number	Sample Seals (See key below)	EPA 8010/8020	Redox Potential							Remarks
6/28/92	10:40	SO	MW-1 #3 at 10ft	1	1	P	X	X							1xSoil Tube

IMPORTANT NOTICE: No samples will be analyzed without an authorized signature in this section.

I am hereby requesting BSK's Normal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in the U.S. E.P.A. SW 846 and that there is no extra charge for this service.

By: Mart Cli
Authorized Signature

I am hereby requesting BSK's Formal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in U.S. EPA Contract Laboratory Program Statement of Work, Section F, and that there is a charge of $50.00 per work order or $5.00 a bottle, whichever is greater.

By: ______
Authorized Signature

	Signature	Print Name	Company	Date	Time
Relinquished by	Mart Cli	Martin Cline	BSK-P	6/26/92	08:30
Received by	T. A. Vera	T. A. VERA	BSK	6/26/92	1515
Relinquished by					
Received by					
Relinquished by					
Received by					

BSK & Associates Chemical Laboratories

1414 Stanislaus Street Fresno, California 93706

Telephone (209) 485-8310 • Fax (209) 485-7427

KEY: Type: AQ–Aqueous SL–Sludge SO–Soil PE–Petroleum OT–Other
Seals: P–Present A–Absent B–Broken
DISTRIBUTION: WHITE, CANARY - LABORATORY PINK - ORIGINATOR
Note:
Samples are discarded 14 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

ANALYTICAL BSK LABORATORIES
Environmental Services

1414 Stanislaus Street
Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 06/25/92
Time Sampled : 1040
Date Received : 06/26/92
Date of Analysis : 06/26/92
Report Issue Date: 07/14/92

Case Number : Ch921704
Lab ID Number : 1704
Project Number : P92124.3
Sample Description: MW-1 #3 at 10ft

Sample Type: SOLID

Analyses for Volatile Halocarbons by EPA Methods 8010 and 8020

Results Reported in Milligrams per Kilogram (mg/Kg)

Compound	Results	DLR	Compound	Results	DLR
EPA Method 8010					
Bromodichloromethane	ND	0.01	trans-1,2-Dichloroethene ..	ND	0.01
Bromoform	ND	0.01	1,2-Dichloropropane	ND	0.01
Bromomethane	ND	0.02	cis-1,3-Dichloropropene ...	ND	0.01
Carbon tetrachloride	ND	0.01	trans-1,3-Dichloropropene .	ND	0.01
Chloroethane	ND	0.01	Methylene chloride	ND	0.01
Chloroform	ND	0.01	1,1,2,2-tetrachloroethane .	ND	0.01
Chloromethane	ND	0.01	Tetrachloroethene	ND	0.01
Dibromochloromethane	ND	0.01	1,1,1-Trichloroethane	ND	0.01
Dichlorodifluoromethane	ND	0.04	1,1,2-Trichloroethane	ND	0.01
1,1-Dichloroethane	ND	0.01	Trichloroethene	ND	0.01
1,2-Dichloroethane	ND	0.01	Trichlorofluoromethane	ND	0.01
1,1-Dichloroethene	ND	0.01	Vinyl chloride	ND	0.02
EPA Method 8020					
Benzene	ND	0.02	1,4-Dichlorobenzene	ND	0.05
Chlorobenzene	ND	0.05	Ethylbenzene	ND	0.02
1,2-Dichlorobenzene	ND	0.05	Toluene	ND	0.02
1,3-Dichlorobenzene	ND	0.05	Xylenes (Total).....	ND	0.02

Sample DLR = DLR x DLR Multiplier, DLR Multiplier = 1

DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

ND: None Detected

--: Not Analyzed

Cynthia Pigman, QA/QC Supervisor

Jeffrey Creager, Organics Manager

R[illegible]0915 801020.T

ANALYTICAL BSK LABORATORIES
Environmental Services

1414 Stanislaus Street
Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 06/25/92
Time Sampled : 1040
Date Received : 06/26/92
Report Issue Date: 07/14/92

Case Number : Ch921704
Lab ID Number : 1704
Project Number : P92124.3
Sample Description: MW-1 #3 at 10ft

Sample Type: SOLID

General Chemical Analyses

Analyte	Units	Results	DLR
Redox Potential (Eh).....	mV	520	--
Iron..(Fe).....	mg/L	0.06	0.05
Chromium..(Cr).....	mg/L	0.02	0.005

ND: None Detected
--: Not Analyzed
mV: millivolt relative to Hydrogen
mg/Kg: Milligrams per Kilogram
µg/Kg: Micrograms per Kilogram
mg/L: milligram per liter in saturated paste extract
Redox Potential performed on saturated paste extract.
DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

Cynthia Pigman, QA/QC Supervisor

Doug Deasy, Inorganics Supervisor

10626 GCS

BSK Log Number 7142

ANALYSIS REQUEST/CHAIN OF CUSTODY RECORD

1000-7456

Client Name: McLemore Trust (BSK P)	Project or P.O.#: P92124.3
Address: 1181 Quarry Ln.	Phone #: (510) 462-4000
City, State, Zip: Pleasanton	Report, attention: Martin Cline

Lab Use Only in this section

Analysis required

Date sampled	Time sampled	Type (See key below)	Sampled by: M. Cline / Sample description	Number of containers	Lab Sample number	Sample Seals (See key below)	EPA 8010/8020	Redox Potential	Total Organic Carbon	Hazardous sample Special handling required	Remarks: 7-13-92
6/29/92	11:45	SO	MW-2 #2 10ft.	1	1	P	X	X	X		1 x 5oil tube
" "	12:00	SO	MW-2 #3 16ft	1	2	P	X	X	X		P

IMPORTANT NOTICE: No samples will be analyzed without an authorized signature in this section.

I am hereby requesting BSK's Normal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in the U.S. E.P.A. SW 846 and that there is no extra charge for this service.

By: Mart Cli
Authorized Signature

I am hereby requesting BSK's Formal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in U.S. EPA Contract Laboratory Program Statement of Work, Section F, and that there is a charge of $50.00 per work order or $5.00 a bottle, whichever is greater.

By: _____
Authorized Signature

	Signature	Print Name	Company	Date	Time
Relinquished by	Mart Cli	Martin Cline	BSK P	7/1/92	8:30
Received by	D'Aiello	D'Aiello	BSK P	7-1-92	1515
Relinquished by					
Received by					
Relinquished by					
Received by					

BSK & Associates Chemical Laboratories

1414 Stanislaus Street Fresno, California 93706

Telephone (209) 485-8310 • Fax (209) 485-7427

KEY: Type: AQ-Aqueous SL-Sludge SO-Soil PE-Petroleum OT-Other
Seals: P-Present A-Absent B-Broken
DISTRIBUTION: WHITE, CANARY - LABORATORY PINK - ORIGINATOR
Note:
Samples are discarded 14 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

ANALYTICAL BSK LABORATORIES
Environmental Services

1414 Stanislaus Street
Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 06/29/92
Time Sampled : 1145
Date Received : 07/01/92
Date of Analysis : 07/08/92
Report Issue Date: 07/14/92

Case Number : Ch921742
Lab ID Number : 1742-1
Project Number : P92124.3
Sample Description: MW-2 #2 at 10ft

Sample Type: SOLID

Analyses for Volatile Halocarbons by EPA Methods 8010 and 8020

Results Reported in Milligrams per Kilogram (mg/Kg)

Compound	Results	DLR	Compound	Results	DLR
EPA Method 8010					
Bromodichloromethane	ND	0.01	trans-1,2-Dichloroethene ..	ND	0.01
Bromoform	ND	0.01	1,2-Dichloropropane	ND	0.01
Bromomethane	ND	0.02	cis-1,3-Dichloropropene ...	ND	0.01
Carbon tetrachloride	ND	0.01	trans-1,3-Dichloropropene .	ND	0.01
Chloroethane	ND	0.01	Methylene chloride	ND	0.01
Chloroform	ND	0.01	1,1,2,2-tetrachloroethane .	ND	0.01
Chloromethane	ND	0.01	Tetrachloroethene	ND	0.01
Dibromochloromethane	ND	0.01	1,1,1-Trichloroethane	ND	0.01
Dichlorodifluoromethane	ND	0.04	1,1,2-Trichloroethane	ND	0.01
1,1-Dichloroethane	ND	0.01	Trichloroethene	ND	0.01
1,2-Dichloroethane	ND	0.01	Trichlorofluoromethane	ND	0.01
1,1-Dichloroethene	ND	0.01	Vinyl chloride	ND	0.02
EPA Method 8020					
Benzene	ND	0.02	1,4-Dichlorobenzene	ND	0.05
Chlorobenzene	ND	0.05	Ethylbenzene	ND	0.02
1,2-Dichlorobenzene	ND	0.05	Toluene	ND	0.02
1,3-Dichlorobenzene	ND	0.05	Xylenes (Total).....	ND	0.02

Sample DLR = DLR x DLR Multiplier, DLR Multiplier = 1

DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

ND: None Detected

--: Not Analyzed

Cynthia Pigman, QA/QC Supervisor

Jeffrey Creager, Organics Manager

ANALYTICAL BSK LABORATORIES
Environmental Services

1414 Stanislaus Street
Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 06/29/92
Time Sampled : 1145
Date Received : 07/01/92
Report Issue Date: 07/14/92

Case Number : Ch921742
Lab ID Number : 1742-1
Project Number : P92124.3
Sample Description: MW-2 #2 at 10ft

Sample Type: SOLID

General Chemical Analyses

Analyte	Units	Results	DLR
Redox Potential (Eh).....	mV	750	--
Iron..(Fe).....	mg/L	5.3	0.05
Carbon, Total Organic (TOC).....	mg/Kg	3700	5
Chromium..(Cr).....	mg/L	ND	0.05
Solids.....	%	87	--

ND: None Detected
--: Not Analyzed
mV: millivolt relative to Hydrogen
%: Percent by Weight
µg/Kg: Micrograms per Kilogram
DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.
mg/L: milligram per liter in saturated paste extract
Redox Potential performed on saturated paste extract.
mg/Kg: Milligrams per Kilogram as Received

Cynthia Pigman, QA/QC Supervisor

Doug Deasy, Inorganics Supervisor

R910626 GCS

ANALYTICAL BSK LABORATORIES
Environmental Services

1414 Stanislaus Street
Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 06/29/92
Time Sampled : 1200
Date Received : 07/01/92
Date of Analysis : 07/09/92
Report Issue Date: 07/14/92

Case Number : Ch921742
Lab ID Number : 1742-2
Project Number : P92124.3
Sample Description: MW-2 #3 at 16ft

Sample Type: SOLID

Analyses for Volatile Halocarbons by EPA Methods 8010 and 8020

Results Reported in Milligrams per Kilogram (mg/Kg)

Compound	Results	DLR	Compound	Results	DLR
EPA Method 8010					
Bromodichloromethane	ND	0.01	trans-1,2-Dichloroethene ..	ND	0.01
Bromoform	ND	0.01	1,2-Dichloropropane	ND	0.01
Bromomethane	ND	0.02	cis-1,3-Dichloropropene ...	ND	0.01
Carbon tetrachloride	ND	0.01	trans-1,3-Dichloropropene .	ND	0.01
Chloroethane	ND	0.01	Methylene chloride	ND	0.01
Chloroform	ND	0.01	1,1,2,2-tetrachloroethane .	ND	0.01
Chloromethane	ND	0.01	Tetrachloroethene	ND	0.01
Dibromochloromethane	ND	0.01	1,1,1-Trichloroethane	ND	0.01
Dichlorodifluoromethane	ND	0.04	1,1,2-Trichloroethane	ND	0.01
1,1-Dichloroethane	ND	0.01	Trichloroethene	ND	0.01
1,2-Dichloroethane	ND	0.01	Trichlorofluoromethane	ND	0.01
1,1-Dichloroethene	ND	0.01	Vinyl chloride	ND	0.02
EPA Method 8020					
Benzene	ND	0.02	1,4-Dichlorobenzene	ND	0.05
Chlorobenzene	ND	0.05	Ethylbenzene	ND	0.02
1,2-Dichlorobenzene	ND	0.05	Toluene	ND	0.02
1,3-Dichlorobenzene	ND	0.05	Xylenes (Total).....	ND	0.02

Sample DLR = DLR x DLR Multiplier, DLR Multiplier = 1

DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

ND: None Detected

--: Not Analyzed

Cynthia Pigman, QA/QC Supervisor

Jeffrey Creager, Organics Manager

R910915 801020.T

ANALYTICAL BSK LABORATORIES
Environmental Services

1414 Stanislaus Street
Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 06/29/92
Time Sampled : 1200
Date Received : 07/01/92
Report Issue Date: 07/14/92

Case Number : Ch921742
Lab ID Number : 1742-2
Project Number : P92124.3
Sample Description: MW-2 #3 at 16ft

Sample Type: SOLID

General Chemical Analyses

Analyte	Units	Results	DLR
Redox Potential (Eh).....	mV	500	--
Iron..(Fe).....	mg/L	0.11	0.05
Carbon, Total Organic (TOC).....	mg/Kg	1200	5
Chromium..(Cr).....	mg/L	6.9	0.05
Solids.....	%	81	--

ND: None Detected
--: Not Analyzed
mV: millivolt relative to Hydrogen
%: Percent by Weight
µg/Kg: Micrograms per Kilogram
mg/L: milligram per liter in saturated paste extract
Redox Potential performed on saturated paste extract.
mg/Kg: Milligrams per Kilogram as Received
DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

Cynthia Pigman, QA/QC Supervisor

Doug Deasy, Inorganics Supervisor

R910626 GCS

BSK Log Number ______

ANALYSIS REQUEST/CHAIN OF CUSTODY RECORD

CHROMALAB FILE # 692238
ORDER # 6861

000 1455

Client Name: McLemore Trust (BSK & Assoc.)	Project or P.O.#: P92124.3
Address: 1181 Quarry Ln.	Phone #: (510) 462-4000
City, State, Zip: Pleasanton CA	Report, attention: Martin Cline

Lab Use Only in this section

Date sampled	Time sampled	Type (See key below)	Sampled by / Sample description	Number of containers	Lab Sample number	Sample Seals (See key below)	Chromium VI	Pri. Pol. Me	pH	Cyanide			Hazardous sample Special handling requir.	Remarks
6/25/92	10:40	SO	MW-1 #3 at 10 ft.	1			X	X	X	X				

IMPORTANT NOTICE: No samples will be analyzed without an authorized signature in this section.

I am hereby requesting BSK's Normal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in the U.S. E.P.A. SW 846 and that there is no extra charge for this service.

By: *Marty Cline* ______
Authorized Signature

I am hereby requesting BSK's Formal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in U.S. EPA Contract Laboratory Program Statement of Work, Section F, and that there is a charge of $50.00 per work order or $5.00 a bottle, whichever is greater.

By: ______
Authorized Signature

	Signature	Print Name	Company	Date	Time
Relinquished by	*Marty Cline*	Martin Cline	BSK & Assoc.	6/25/92	4:35
Received by	*Charles N. Woolley*	Charles N. Woolley	Chromalab	6/25/92	4:35 pm
Relinquished by					
Received by					
Relinquished by					
Received by					

BSK & Associates Chemical Laboratories

1414 Stanislaus Street Fresno, California 93706

~~Telephone (209) 485-8310 Fax (209) 485-6427~~

KEY: Type: AQ–Aqueous SL–Sludge SO–Soil PE–Petroleum OT–Other
Seals: P–Present A–Absent B–Broken
DISTRIBUTION: WHITE, CANARY - LABORATORY PINK - ORIGINATOR
Note:
Samples are discarded 14 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 6, 1992 ChromaLab File No.: 0692238

BSK & ASSOCIATES

Attn: Martin Cline

RE: One soil sample for Priority Pollutants Metals (13) and Chromium Hexavalent (Cr^{6+}) analyses

Project Name: McLEMORE TRUST
Project Location: 1181 Quarry Lane, Pleasanton, CA
Project Number: P92124.3
Date Sampled: June 25, 1992 Date Submitted: June 25, 1992
Date Analyzed: July 2, 1992

RESULTS: Sample I.D.: MW-1 #3 at 10 ft.

Metals	Concentration (mg/Kg)	Detection Limit (mg/Kg)
Antimony (Sb)	N.D.	1.00
Arsenic (As)	N.D.	0.25
Beryllium (Be)	130	0.05
Cadmium (Cd)	3.7	0.05
Chromium (Cr)	35	0.50
Chromium Hexavalent (Cr^{6+})	N.D.	0.5
Copper (Cu)	19	0.25
Lead (Pb)	13	0.50
Mercury (Hg)	0.12	0.05
Nickel (Ni)	51	0.50
Selenium (Se)	2.8	0.25
Silver (Ag)	N.D.	0.25
Thallium (Tl)	N.D.	2.00
Zinc (Zn)	49	0.25

Method of Analysis: 3050/6010/7000

ChromaLab, Inc.

Refaat A. Mankarious
Inorganics Supervisor

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 6, 1992 ChromaLab File No.: 0692238

BSK & ASSOCIATES

Attn: Martin Cline

RE: One soil sample for pH analysis

Project Name: McLEMORE TRUST
Project Number: P92124.3
Date Sampled: June 25, 1992 Date Submitted: June 25, 1992
Date Analyzed: June 26, 1992

RESULTS:

Sample I.D.	pH
MW-1 #3 @ 10 ft.	7.1
BLANK	7.0
METHOD OF ANALYSIS	9045

ChromaLab, Inc.

Yiu Tam
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

GeoAnalytical Laboratories, Inc
1031 Kansas Ave.
Modesto, California 95351

Phone (209) 572-0900
Fax # (209) 572-0916

REPORT

Report# D182-06

Date: 7/1/92

Chromalab
2239 Omega Rd.
San Ramon, CA. 94583

Date Received: 6/30/92
Date Started: 7/1/92
Date Completed: 7/1/92

Project # Project Name: 692238

Sample ID: MW-1 #3 @ 10'
Lab ID: D21455

Method: 9010

Detection Limit mg/kg	Analyte	Amount Found mg/kg
0.25	Cyanide	ND

Ramiro Salgado
Chemist

Donna Allsup
Laboratory Director

Certification # E757

BSK Log Number _____

ANALYSIS REQUEST/CHAIN OF CUSTODY RECORD

1000-7455

Client Name: McLemore Trust (BSK)	Project or P.O.#: P92124.3
Address: 1181 Quarry Ln	Phone #: (510) 462-4000
City, State, Zip: Pleasanton	Report, attention: Marty Cline

Lab Use Only in this section

Analysis required

CHROMALAB FILE # 692271
ORDER # 6895

Date sampled	Time sampled	Type (See key below)	Sampled by / Sample description	Number of containers	Lab Sample number	Sample Seals (See key below)	Chromium VI	Pri. Pol. Metals	Cyanide	pH			Hazard. Special.	Remarks
6/29/92	11:45	SO	M. Cline MW-2 #2 10ft	1			X	X	X	X				
6/29/92	12:00	SO	MW-2 #3 16ft	1			X	X	X	X				

IMPORTANT NOTICE: No samples will be analyzed without an authorized signature in this section.

I am hereby requesting BSK's Normal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in the U.S. E.P.A. SW 846 and that there is no extra charge for this service.

By: Marty Cli
Authorized Signature

I am hereby requesting BSK's Formal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in U.S. EPA Contract Laboratory Program Statement of Work, Section F, and that there is a charge of $50.00 per work order or $5.00 a bottle, whichever is greater.

By: _____
Authorized Signature

Signature	Print Name	Company	Date	Time
Relinquished by: Marty Cli	Martin Cline	BSK-P	6/30/92	8:55
Received by: [signature]	SEAN HALSEY	CHROMALAB	6/30/92	0855
Relinquished by				
Received by				
Relinquished by				
Received by				

BSK & Associates Chemical Laboratories

1414 Stanislaus Street Fresno, California 93706

Telephone (209) 485-8310 • Fax (209) 485-7427

KEY: Type: AQ–Aqueous SL–Sludge SO–Soil PE–Petroleum OT–Other
Seals: P–Present A–Absent B–Broken
DISTRIBUTION: WHITE, CANARY - LABORATORY PINK - ORIGINATOR
Note:
Samples are discarded 14 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 9, 1992 ChromaLab File No.: 0692271 A

BSK & ASSOCIATES

Attn: Marty Cline

RE: One soil sample for Priority Pollutants Metals (13) analysis

Project Name: McLEMORE TRUST
Project Location: 1181 Quarry Ln., Pleasanton
Project Number: P92124.3
Date Sampled: June 29, 1992 Date Submitted: June 20, 1992
Date Analyzed: July 7, 1992

RESULTS: Sample I.D.: MW-2 #1 10 ft.

Metals	Concentration (mg/Kg)	Detection Limit (mg/Kg)
Antimony (Sb)	N.D.	1.00
Arsenic (As)	13	0.25
Beryllium (Be)	0.21	0.05
Cadmium (Cd)	2.7	0.05
Chromium (Cr)	21	0.50
Chromium VI (CrVI)	N.D.	5.0
Copper (Cu)	16	0.25
Lead (Pb)	11	0.50
Mercury (Hg)	0.15	0.05
Nickel (Ni)	32	0.50
Selenium (Se)	4.3	0.25
Silver (Ag)	N.D.	0.25
Thallium (Tl)	N.D.	2.00
Zinc (Zn)	30	0.25

Method of Analysis: 3050/6010/7471/7196

ChromaLab, Inc.

Jack Kelly
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 9, 1992 ChromaLab File No.: 0692271 B

BSK & ASSOCIATES

Attn: Marty Cline

RE: One soil sample for Priority Pollutants Metals (13) analysis

Project Name: McLEMORE TRUST
Project Location: 1181 Quarry Ln., Pleasanton
Project Number: P92124.3
Date Sampled: June 29, 1992 Date Submitted: June 20, 1992
Date Analyzed: July 7, 1992

RESULTS: Sample I.D.: MW-2 #3 16 ft.

Metals	Concentration (mg/Kg)	Detection Limit (mg/Kg)
Antimony (Sb)	N.D.	1.00
Arsenic (As)	17	0.25
Beryllium (Be)	0.29	0.05
Cadmium (Cd)	3.2	0.05
Chromium (Cr)	35	0.50
Chromium VI (CrVI)	N.D.	5.0
Copper (Cu)	19	0.25
Lead (Pb)	13	0.50
Mercury (Hg)	0.20	0.05
Nickel (Ni)	32	0.50
Selenium (Se)	45.0	0.25
Silver (Ag)	N.D.	0.25
Thallium (Tl)	N.D.	2.00
Zinc (Zn)	39	0.25

Method of Analysis: 3050/6010/7471/7196

ChromaLab, Inc.

Jack Kelly
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 9, 1992 ChromaLab File No.: 0692271

BSK & ASSOCIATES

Attn: Marty Cline

RE: Two soil samples for pH analysis

Project Name: McLEMORE TRUST
Project Location: 1181 Quarry Ln., Pleasanton
Project Number: P92124.3
Date Sampled: June 29, 1992 Date Submitted: June 20, 1992
Date Analyzed: July 1, 1992

RESULTS:

Sample I.D.	pH
MW-2 #2 10 ft.	7.4
MW-2 #3 16 ft.	7.4
BLANK	N.D.
METHOD OF ANALYSIS	9045

ChromaLab, Inc.

Yiu Tam
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

GeoAnalytical Laboratories, Inc

1031 Kansas Ave .
Modesto, California 95351

Phone (209) 572-0900
Fax # (209) 572-0916

REPORT

Report# 184-05

Date: 7/8/92

Chromalab, Inc.
2239 Omega Rd. #1
San Ramon, CA. 94583

Date Received: 7/2/92
Date Started: 7/5/92
Date Completed: 7/7/92

Project # Project Name: 692271

Sample ID: MW-2#2-10'
Lab ID: D21470

Method: 9010

Detection Limit mg/kg	Analyte	Amount Found mg/kg
0.25	Cyanide	ND

Ramiro Salgado
Chemist

Donna Allsup
Laboratory Director

Certification # E757

GeoAnalytical Laboratories, Inc

1031 Kansas Ave.
Modesto, California 95351

Phone (209) 572-0900
Fax # (209) 572-0916

REPORT

Report# 184-05

Date: 7/8/92

Chromalab, Inc.
2239 Omega Rd. #1
San Ramon, CA. 94583

Date Received: 7/2/92
Date Started: 7/5/92
Date Completed: 7/7/92

Project # Project Name: 692271

Sample ID: MW-2#3-16'
Lab ID: D21471

Method: 9010

Detection Limit mg/kg	Analyte	Amount Found mg/kg
0.25	Cyanide	ND

Ramiro Salgado
Chemist

Donna Allsup
Laboratory Director

Certification # E757

BSK Log Number _____

ANALYSIS REQUEST/CHAIN OF CUSTODY RECORD

1000- 7464

Client Name: Mclemore trust (BSK P)	Project or P.O.#: P92124
Address: 1181 Quarry Ln	Phone #: (510) 462-4000
City, State, Zip: Pleasanton CA	Report, attention: Martin Cline

Date sampled	Time sampled	Type (See key below)	Sampled by: M. Cline — Sample description	Number of containers	Lab Sample number	Sample Seals (See key below)	Chromium VI	Pri. Pol Metals	Redox Potential	pH			Hazardous sample Special handling required	Remarks
7/14/92	12:40	AQ	MW-1 #1				X	X						
	12:40		MW-1 #2				X	X						
	13:50		MW-3				X	X	X	X				
	14:50		MW-2 #1				X	X						
	14:50		MW-2 #2				X	X						

CHROMALAB FILE # 792122
ORDER # 7043

IMPORTANT NOTICE: No samples will be analyzed without an authorized signature in this section.

I am hereby requesting BSK's Normal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in the U.S. E.P.A. SW 846 and that there is no extra charge for this service.

By: Mark Cli
Authorized Signature

I am hereby requesting BSK's Formal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in U.S. EPA Contract Laboratory Program Statement of Work, Section F, and that there is a charge of $50.00 per work order or $5.00 a bottle, whichever is greater.

By: _____
Authorized Signature

	Signature	Print Name	Company	Date	Time
Relinquished by	Mark Cli	Martin Cline	BSK	7/14	1605
Received by	Brett O Morrow	Brett O Morrow	Chromalab	7/14	1605
Relinquished by					
Received by					
Relinquished by					
Received by					

BSK & Associates Chemical Laboratories

1414 Stanislaus Street Fresno, California 93706

~~Telephone (209) 485-8310 FAX (209) 485-7412~~

KEY: Type: AQ–Aqueous SL–Sludge SO–Soil PE–Petroleum OT–Other
Seals: P–Present A–Absent B–Broken
DISTRIBUTION: WHITE, CANARY - LABORATORY PINK - ORIGINATOR
Note:
Samples are discarded 14 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 23, 1992 ChromaLab File No.: 0792122

BSK & ASSOCIATES

Attn: Martin Cline

RE: One water sample for Priority Pollutants Metals (13) and Hexavalent Chromium analyses

Project Name: McLEMORE TRUST
Project Number: P92124
Date Sampled: July 14, 1992 Date Submitted: July 14, 1992
Date Analyzed: July 15, 1992

RESULTS: Sample I.D.: MW-1 #1 (Unfiltered)

Metals	Concentration (mg/L)	Detection Limit (mg/L)
Antimony (Sb)	N.D.	0.020
Arsenic (As)	N.D.	0.005
Beryllium (Be)	N.D.	0.001
Cadmium (Cd)	N.D.	0.001
Chromium (Cr)	N.D.	0.01
Chromium Hexavalent (Cr^{6+})	N.D.	0.01
Copper (Cu)	N.D.	0.005
Lead (Pb)	N.D.	0.010
Mercury (Hg)	N.D.	0.001
Nickel (Ni)	N.D.	0.020
Selenium (Se)	N.D.	0.005
Silver (Ag)	N.D.	0.005
Thallium (Tl)	N.D.	0.04
Zinc (Zn)	0.02	0.005

Method of Analysis: 3010/6010/7000(Hg)/7196(Cr^{6+})

ChromaLab, Inc.

Refaat A. Mankarious
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 23, 1992 ChromaLab File No.: 0792122

BSK & ASSOCIATES

Attn: Martin Cline

RE: One water sample for Priority Pollutants Metals (13) and Hexavalent Chromium analyses

Project Name: McLEMORE TRUST
Project Number: P92124
Date Sampled: July 14, 1992 Date Submitted: July 14, 1992
Date Analyzed: July 15, 1992

RESULTS: Sample I.D.: MW-1 #2 (Filtered)

Metals	Concentration (mg/L)	Detection Limit (mg/L)
Antimony (Sb)	N.D.	0.020
Arsenic (As)	N.D.	0.005
Beryllium (Be)	N.D.	0.001
Cadmium (Cd)	N.D.	0.001
Chromium (Cr)	N.D.	0.01
Chromium Hexavalent (Cr^{6+})	N.D.	0.01
Copper (Cu)	N.D.	0.005
Lead (Pb)	N.D.	0.010
Mercury (Hg)	N.D.	0.001
Nickel (Ni)	N.D.	0.020
Selenium (Se)	N.D.	0.005
Silver (Ag)	N.D.	0.005
Thallium (Tl)	N.D.	0.04
Zinc (Zn)	0.02	0.005

Method of Analysis: 3010/6010/7000(Hg)/7196(Cr^{6+})

ChromaLab, Inc.

Refaat A. Mankarious
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 23, 1992 ChromaLab File No.: 0792122

BSK & ASSOCIATES

Attn: Martin Cline

RE: One water sample for Priority Pollutants Metals (13) and Hexavalent Chromium analyses

Project Name: McLEMORE TRUST
Project Number: P92124
Date Sampled: July 14, 1992 Date Submitted: July 14, 1992
Date Analyzed: July 15, 1992

RESULTS: Sample I.D.: MW-2 #1 (Unfiltered)

Metals	Concentration (mg/L)	Detection Limit (mg/L)
Antimony (Sb)	4.8	0.020
Arsenic (As)	0.32	0.005
Beryllium (Be)	0.003	0.001
Cadmium (Cd)	N.D.	0.001
Chromium (Cr)	*	0.01
Chromium Hexavalent (Cr^{6+})	*	0.01
Copper (Cu)	0.28	0.005
Lead (Pb)	0.04	0.010
Mercury (Hg)	N.D.	0.001
Nickel (Ni)	0.83	0.020
Selenium (Se)	0.68	0.005
Silver (Ag)	0.13	0.005
Thallium (Tl)	N.D.	0.04
Zinc (Zn)	0.16	0.005

Method of Analysis: 3010/6010/7000(Hg)/7196(Cr^{6+}).

*Analysis did not pass QA/QC.

ChromaLab, Inc.

Refaat A. Mankarious
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 23, 1992 ChromaLab File No.: 0792122

BSK & ASSOCIATES

Attn: Martin Cline

RE: One water sample for Priority Pollutants Metals (13) and Hexavalent Chromium analyses

Project Name: McLEMORE TRUST
Project Number: P92124
Date Sampled: July 14, 1992 Date Submitted: July 14, 1992
Date Analyzed: July 15, 1992

RESULTS: Sample I.D.: MW-2 #2 (Filtered)

Metals	Concentration (mg/L)	Detection Limit (mg/L)
Antimony (Sb)	0.03	0.020
Arsenic (As)	0.30	0.005
Beryllium (Be)	N.D.	0.001
Cadmium (Cd)	N.D.	0.001
Chromium (Cr)	*	0.01
Chromium Hexavalent (Cr^{6+})	*	0.01
Copper (Cu)	0.36	0.005
Lead (Pb)	N.D.	0.010
Mercury (Hg)	0.001	0.001
Nickel (Ni)	N.D.	0.020
Selenium (Se)	0.17	0.005
Silver (Ag)	N.D.	0.005
Thallium (Tl)	N.D.	0.04
Zinc (Zn)	0.07	0.005

Method of Analysis: 3010/6010/7000(Hg)/7196(Cr^{6+})

*Analysis did not pass QA/QC.

ChromaLab, Inc.

Refaat A. Mankarious
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 23, 1992 ChromaLab File No.: 0792122

BSK & ASSOCIATES

Attn: Martin Cline

RE: One water sample for Priority Pollutants Metals (13) and Hexavalent Chromium analyses

Project Name: McLEMORE TRUST
Project Number: P92124
Date Sampled: July 14, 1992 Date Submitted: July 14, 1992
Date Analyzed: July 15, 1992

RESULTS: Sample I.D.: MW-3

Metals	Concentration (mg/L)	Detection Limit (mg/L)
Antimony (Sb)	N.D.	0.020
Arsenic (As)	N.D.	0.005
Beryllium (Be)	N.D.	0.001
Cadmium (Cd)	N.D.	0.001
Chromium (Cr)	N.D.	0.01
Chromium Hexavalent (Cr^{6+})	N.D.	0.01
Copper (Cu)	N.D.	0.005
Lead (Pb)	N.D.	0.010
Mercury (Hg)	N.D.	0.001
Nickel (Ni)	N.D.	0.020
Selenium (Se)	N.D.	0.005
Silver (Ag)	N.D.	0.005
Thallium (Tl)	N.D.	0.04
Zinc (Zn)	0.02	0.005

Method of Analysis: 3010/6010/7000(Hg)/7196(Cr^{6+})

ChromaLab, Inc.

Refaat A.Mankarious
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 22, 1992 ChromaLab File No.: 0792122

BSK & ASSOCIATES

Attn: Martin Cline

RE: One water sample for pH analysis

Project Name: McLEMORE TRUST
Project Number: P92124
Date Sampled: July 14, 1992 Date Submitted: July 14, 1992
Date Analyzed: July 15, 1992

RESULTS:

Sample I.D.	pH
MW-3	7.7
BLANK	7.0
METHOD OF ANALYSIS	9040

ChromaLab, Inc.

Yiu Tam
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 22, 1992 ChromaLab File No.: 0792122

BSK & ASSOCIATES

Attn: Martin Cline

RE: One water sample for REDOX Potential analysis

Project Name: McLEMORE TRUST
Project Number: P92124
Date Sampled: July 14, 1992 Date Submitted: July 14, 1992
Date Analyzed: July 15, 1992

Results:

SAMPLE I.D.	REDOX POTENTIAL (mV)
MW-3	364*

*REDOX potential as reference to standard Hydrogen electrode.

ChromaLab, Inc.

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

BSK Log Number 7467

ANALYSIS REQUEST/CHAIN OF CUSTODY RECORD

1000-7465

Client Name	Project or P.O.#
Mclemore Trust (BSKP)	P92124
Address	**Phone #**
1181 Quarry Ln.	(510) 462-4000
City, State, Zip	**Report, attention**
Pleasanton CA	Martin Cline

Lab Use Only in this section

Analysis required: EPA 601/602; Cyanide; General Mineral; Redox Potential; Hazardous sample Special handling required

7-27-92

Date sampled	Time sampled	Type (See key below)	Sampled by / Sample description	Number of containers	Lab Sample number	Sample Seals (See key below)	EPA 601/602	Cyanide	General Mineral	Redox Potential	Remarks
7/14/92	12:40	L	MW-1	4	-1	A/P	X	X	X	X	1x32oz/1x16oz, 2x40ml
	13:50		MW-3	3	-2	A/P	X	X			1x16oz, 2x40ml
↓	14:50	↓	MW-2	4	-3	A/P	X	X	X	X	1x32oz/1x16oz, 2x40ml
											* Present on 40ml; Absent on Balance of containers MW 7/15/92

IMPORTANT NOTICE: No samples will be analyzed without an authorized signature in this section.

I am hereby requesting BSK's Normal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in the U.S. E.P.A. SW 846 and that there is no extra charge for this service.

By: Mart Cli
Authorized Signature

I am hereby requesting BSK's Formal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in U.S. EPA Contract Laboratory Program Statement of Work, Section F, and that there is a charge of $50.00 per work order or $5.00 a bottle, whichever is greater.

By: _____
Authorized Signature

	Signature	Print Name	Company	Date	Time
Relinquished by	Mart Cli	Martin Cline	BSK P	7/15/92	8:30
Received by	Cecil Harris	C Harris	BSK Lab	7/15/92	16:40
Relinquished by					
Received by					
Relinquished by					
Received by					

BSK & Associates Chemical Laboratories
1414 Stanislaus Street Fresno, California 93706
Telephone (209) 485-8310 • Fax (209) 485-7427

KEY: Type: AQ–Aqueous SL–Sludge SO–Soil PE–Petroleum OT–Other
Seals: P–Present A–Absent B–Broken
DISTRIBUTION: WHITE, CANARY - LABORATORY PINK - ORIGINATOR
Note:
Samples are discarded 14 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

ANALYTICAL BSK LABORATORIES
Environmental Services

1414 Stanislaus Street
Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 07/14/92
Time Sampled : 1240
Date Received : 07/15/92
Date of Analysis : 07/17/92
Report Issue Date: 07/30/92

Case Number : Ch921863
Lab ID Number : 1863-1
Project Number : P92124
Sample Description: MW-1

Sample Type : LIQUID

Analyses for Volatile Halocarbons by EPA Methods 601 and 602
Prepared by EPA Method 5030

Results Reported in Micrograms per Liter (µg/L)

Compound	Results	DLR	Compound	Results	DLR
EPA Method 601			cis-1,2-Dichloroethene.....	ND	0.5
Bromodichloromethane	ND	0.5	trans-1,2-Dichloroethene ..	ND	0.5
Bromoform	ND	0.5	1,2-Dichloropropane	ND	0.5
Bromomethane	ND	1.0	cis-1,3-Dichloropropene ...	ND	0.5
Carbon tetrachloride	ND	0.5	trans-1,3-Dichloropropene .	ND	0.5
Chloroethane	ND	0.5	Methylene chloride	ND	0.5
Chloroform	ND	0.5	1,1,2,2-tetrachloroethane .	ND	0.5
Chloromethane	ND	0.5	Tetrachloroethene	8.8	0.5
Dibromochloromethane	ND	0.5	1,1,1-Trichloroethane	ND	0.5
Dichlorodifluoromethane	ND	2.0	1,1,2-Trichloroethane	ND	0.5
1,1-Dichloroethane	ND	0.5	Trichloroethene	ND	0.5
1,2-Dichloroethane	ND	0.5	Trichlorofluoromethane	ND	0.5
1,1-Dichloroethene	ND	0.5	Vinyl chloride	ND	1.0
EPA Method 602					
Benzene	ND	0.5	1,4-Dichlorobenzene	ND	0.5
Chlorobenzene	ND	0.5	Ethylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5	Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5	Xylenes (Total).....	ND	0.5

Sample DLR = DLR x DLR Multiplier, DLR Multiplier = 1

DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

ND: None Detected

--: Not Analyzed

Cynthia Pigman, QA/QC Supervisor

Jeffrey Creager, Organics Manager

R9[illegible]909 601602.T

ANALYTICAL BSK LABORATORIES
Environmental Services

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Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 07/14/92
Time Sampled : 1240
Date Received : 07/15/92
Report Issue Date: 07/30/92

Case Number : Ch921863
Lab ID Number : 1863-1
Project Number : P92124
Sample Description: MW-1

Sample Type : LIQUID

General Chemical Analyses

Analyte	Units	Results	DLR
Cyanide, Total (CN).....	mg/L	ND	0.02
Barium (Ba).....	mg/L	--	0.5
Chromium, Total (Cr).....	mg/L	--	0.5
Cobalt (Co).....	mg/L	--	0.5
Molybdenum (Mo).....	mg/L	--	0.5
Redox Potential (Eh).....	mV	410	-
Vanadium (V).....	mg/L	--	0.1

ND: None Detected
--: Not analyzed
mV: Millivolt relative to H

mg/L: Milligrams per Liter
µg/L: Micrograms per Liter

DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

Cynthia Pigman, QA/QC Supervisor

Doug Deasy, Inorganics Supervisor

10626 GCL

ANALYTICAL BSK LABORATORIES
Environmental Services

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Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 07/14/92
Time Sampled : 1240
Date Received : 07/15/92
Report Issue Date: 07/30/92

Case Number : Ch921863
Lab ID Number : 1863-1
Project Number : P92124
Sample Description: MW-1

Sample Type : LIQUID

California Title 22 General Mineral Analyses

Results reported in Milligrams per Liter (mg/L)

Constituent	Results	DLR	Constituent	Results	DLR
Calcium (Ca).....	68	0.1	Copper (Cu).....	ND	0.05
Magnesium (Mg).....	27	0.1	Iron (Fe).....	ND	0.05
Sodium (Na).....	32	1	Manganese (Mn).....	0.01	0.01
Potassium (K)	ND	1	Zinc (Zn).....	ND	0.05
Alkalinity (as CaCO3).....	170	10	Foaming Agents (MBAS).....	ND	0.05
Hydroxide (OH).....	ND	1	pH (in Std Units).....	7.3	-
Carbonate (CO3).....	ND	1	Specific Electrical		
Bicarbonate (HCO3).....	210	12	Conductance (EC) (µmho/cm)	670	20
Chloride (Cl).....	29	1			
Sulfate (SO4).....	51	1			

Calculated Values

Constituent	Results	DLR
Dissolved Solids(TDS).....	420	10
Hardness (as CaCO3).....	280	10
Langlier Index.....	0.2	-

DLR: Detection Limit For the Purposes of Reporting
ND: None Detected
--: Not Analyzed
TDS: Calculated from EC using the formula EC X 0.625
<: Less Than
µmho/cm: Micromhos per centimeter at 25°C

Cynthia Pigman, QA/QC Supervisor

Doug Deasy, Inorganics Supervisor

R911024 GML.t

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Environmental Services

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Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 07/14/92
Time Sampled : 1450
Date Received : 07/15/92
Date of Analysis : 07/24/92
Report Issue Date: 07/30/92

Case Number : Ch921863
Lab ID Number : 1863-3
Project Number : P92124
Sample Description: MW-2

Sample Type : LIQUID

Analyses for Volatile Halocarbons by EPA Methods 601 and 602
Prepared by EPA Method 5030

Results Reported in Micrograms per Liter (µg/L)

Compound	Results	DLR	Compound	Results	DLR
EPA Method 601			cis-1,2-Dichloroethene.....	ND	0.5
Bromodichloromethane	ND	0.5	trans-1,2-Dichloroethene ..	ND	0.5
Bromoform	ND	0.5	1,2-Dichloropropane	ND	0.5
Bromomethane	ND	1.0	cis-1,3-Dichloropropene ...	ND	0.5
Carbon tetrachloride	ND	0.5	trans-1,3-Dichloropropene .	ND	0.5
Chloroethane	ND	0.5	Methylene chloride	ND	0.5
Chloroform	ND	0.5	1,1,2,2-tetrachloroethane .	ND	0.5
Chloromethane	ND	0.5	Tetrachloroethene	3	0.5
Dibromochloromethane	ND	0.5	1,1,1-Trichloroethane	ND	0.5
Dichlorodifluoromethane	ND	2.0	1,1,2-Trichloroethane	ND	0.5
1,1-Dichloroethane	ND	0.5	Trichloroethene	ND	0.5
1,2-Dichloroethane	ND	0.5	Trichlorofluoromethane	ND	0.5
1,1-Dichloroethene	ND	0.5	Vinyl chloride	ND	1.0
EPA Method 602					
Benzene	ND	0.5	1,4-Dichlorobenzene	ND	0.5
Chlorobenzene	ND	0.5	Ethylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5	Toluene	0.7	0.5
1,3-Dichlorobenzene	ND	0.5	Xylenes (Total).....	ND	0.5

Sample DLR = DLR x DLR Multiplier, DLR Multiplier = 1

DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

ND: None Detected

--: Not Analyzed

Cynthia Pigman, QA/QC Supervisor

Jeffrey Creager, Organics Manager

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BSK-Pleasanton
McLemore Trust

Date Sampled : 07/14/92
Time Sampled : 1450
Date Received : 07/15/92
Report Issue Date: 07/30/92

Case Number : Ch921863
Lab ID Number : 1863-3
Project Number : P92124
Sample Description: MW-2

Sample Type : LIQUID

General Chemical Analyses

Analyte	Units	Results	DLR
Cyanide, Total (CN).....	mg/L	ND	0.02
Barium (Ba).....	mg/L	ND	0.5
Chromium, Total (Cr).....	mg/L	650	0.5
Cobalt (Co).....	mg/L	ND	0.5
Molybdenum (Mo).....	mg/L	ND	0.5
Redox Potential (Eh).....	mV	590	-
Vanadium (V).....	mg/L	0.2	0.1

ND: None Detected
--: Not analyzed
mV: Millivolt relative to H

mg/L: Milligrams per Liter
µg/L: Micrograms per Liter

DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

Cynthia Pigman, QA/QC Supervisor

Doug Deasy, Inorganics Supervisor

910626 GCL

ANALYTICAL BSK LABORATORIES
Environmental Services

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BSK-Pleasanton
McLemore Trust

Date Sampled : 07/14/92
Time Sampled : 1450
Date Received : 07/15/92
Report Issue Date: 07/30/92

Case Number : Ch921863
Lab ID Number : 1863-3
Project Number : P92124
Sample Description: MW-2

Sample Type : LIQUID

California Title 22 General Mineral Analyses

Results reported in Milligrams per Liter (mg/L)

Constituent	Results	DLR	Constituent	Results	DLR
Calcium (Ca).....	210	0.1	Copper (Cu).....	ND	0.5
Magnesium (Mg).....	80	0.1	Iron (Fe).....	ND	0.5
Sodium (Na).....	55	1	Manganese (Mn).....	1.9	0.1
Potassium (K)	ND	10	Zinc (Zn).....	ND	0.5
Alkalinity (as CaCO3).....	95	10	Foaming Agents (MBAS).....	ND	0.05
Hydroxide (OH).....	ND	1	pH (in Std Units).....	5.7	-
Carbonate (CO3).....	ND	1	Specific Electrical		
Bicarbonate (HCO3).....	120	12	Conductance (EC) (µmho/cm)	1700	20
Chloride (Cl).....	58	1			
Sulfate (SO4).....	140	1			

Calculated Values

Constituent	Results	DLR
Dissolved Solids(TDS).....	1100	10
Hardness (as CaCO3).....	850	10
Langlier Index.....	-1.2	-

DLR: Detection Limit For the Purposes of Reporting
ND: None Detected
--: Not Analyzed
TDS: Calculated from EC using the formula EC X 0.625
<: Less Than
µmho/cm: Micromhos per centimeter at 25°C

Cynthia Pigman, QA/QC Supervisor

Doug Deasy, Inorganics Supervisor

ANALYTICAL BSK LABORATORIES
Environmental Services

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Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 07/14/92
Time Sampled : 1350
Date Received : 07/15/92
Date of Analysis : 07/17/92
Report Issue Date: 07/30/92

Case Number : Ch921863
Lab ID Number : 1863-2
Project Number : P92124
Sample Description: MW-3

Sample Type : LIQUID

Analyses for Volatile Halocarbons by EPA Methods 601 and 602
Prepared by EPA Method 5030

Results Reported in Micrograms per Liter (µg/L)

Compound	Results	DLR	Compound	Results	DLR
EPA Method 601			cis-1,2-Dichloroethene.....	ND	0.5
Bromodichloromethane	ND	0.5	trans-1,2-Dichloroethene ..	ND	0.5
Bromoform	ND	0.5	1,2-Dichloropropane	ND	0.5
Bromomethane	ND	1.0	cis-1,3-Dichloropropene ...	ND	0.5
Carbon tetrachloride	ND	0.5	trans-1,3-Dichloropropene .	ND	0.5
Chloroethane	ND	0.5	Methylene chloride	ND	0.5
Chloroform	ND	0.5	1,1,2,2-tetrachloroethane .	ND	0.5
Chloromethane	ND	0.5	Tetrachloroethene	5	0.5
Dibromochloromethane	ND	0.5	1,1,1-Trichloroethane	ND	0.5
Dichlorodifluoromethane	ND	2.0	1,1,2-Trichloroethane	ND	0.5
1,1-Dichloroethane	ND	0.5	Trichloroethene	ND	0.5
1,2-Dichloroethane	ND	0.5	Trichlorofluoromethane	ND	0.5
1,1-Dichloroethene	ND	0.5	Vinyl chloride	ND	1.0
EPA Method 602					
Benzene	ND	0.5	1,4-Dichlorobenzene	ND	0.5
Chlorobenzene	ND	0.5	Ethylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5	Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5	Xylenes (Total).....	ND	0.5

Sample DLR = DLR x DLR Multiplier, DLR Multiplier = 1

DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

ND: None Detected

--: Not Analyzed

Cynthia Pigman, QA/QC Supervisor

Jeffrey Creager, Organics Manager

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ANALYTICAL BSK LABORATORIES
Environmental Services

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Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 07/14/92
Time Sampled : 1350
Date Received : 07/15/92
Report Issue Date: 07/30/92

Case Number : Ch921863
Lab ID Number : 1863-2
Project Number : P92124
Sample Description: MW-3

Sample Type : LIQUID

General Chemical Analyses

Analyte	Units	Results	DLR
Cyanide, Total (CN).....	mg/L	ND	0.02
Barium (Ba).....	mg/L	--	0.5
Chromium, Total (Cr).....	mg/L	--	0.5
Cobalt (Co).....	mg/L	--	0.5
Molybdenum (Mo).....	mg/L	--	0.5
Redox Potential (Eh).....	mV	--	-
Vanadium (V).....	mg/L	--	0.1

ND: None Detected
--: Not analyzed
mV: Millivolt relative to H

mg/L: Milligrams per Liter
µg/L: Micrograms per Liter

DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

Cynthia Pigman, QA/QC Supervisor

Doug Deasy, Inorganics Supervisor

R910626 GCL

BSK Log Number 7881

ANALYSIS REQUEST/CHAIN OF CUSTODY RECORD

1000-7466

Client Name: Mc Lemore Trust	Project or P.O.#: P92124
Address: 1181 Quarry Ln	Phone #: (510) 462-4000
City, State, Zip: Pleasanton	Report, attention: Martin Cline

Sampled by: M. Cline

Lab Use Only in this section

Analysis required: EPA 601/602; Cyanide; General Mineral; Redox Potential; Hazardous sample Special handling required

7-29-92

Date sampled	Time sampled	Type (See key below)	Sample description	Number of containers	Lab Sample number	Sample Seals (See key below)	EPA 601/602	Cyanide	General Mineral	Redox Potential	Hazardous sample Special handling required	Remarks
7/16/92	14:30	L	water well	4	1	A/B	X	X	X	X		1X32oz 1X16oz 2X40ml

IMPORTANT NOTICE: No samples will be analyzed without an authorized signature in this section.

I am hereby requesting BSK's Normal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in the U.S. E.P.A. SW 846 and that there is no extra charge for this service.

By: _____ Authorized Signature

I am hereby requesting BSK's Formal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in U.S. EPA Contract Laboratory Program Statement of Work, Section F, and that there is a charge of $50.00 per work order or $5.00 a bottle, whichever is greater.

By: _____ Authorized Signature

	Signature	Print Name	Company	Date	Time
Relinquished by	Mat Cli	Martin Cline	BSK-P	7/17/92	8:28
Received by	Cecil Harris	C. Harris	BSK Lab	7/17/92	16:00
Relinquished by					
Received by					
Relinquished by					
Received by					

BSK & Associates Chemical Laboratories

1414 Stanislaus Street Fresno, California 93706

Telephone (209) 485-8310 • Fax (209) 485-7427

KEY: Type: AQ-Aqueous SL-Sludge SO-Soil PE-Petroleum OT-Other
Seals: P-Present A-Absent B-Broken
DISTRIBUTION: WHITE, CANARY - LABORATORY PINK - ORIGINATOR
Note:
Samples are discarded 14 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

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Environmental Services

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Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 07/16/92
Time Sampled : 1430
Date Received : 07/17/92
Date of Analysis : 07/17/92
Report Issue Date: 07/30/92

Case Number : Ch921884
Lab ID Number : 1884
Project Number : P92124
Sample Description: Water well

Sample Type : LIQUID

Analyses for Volatile Halocarbons by EPA Methods 601 and 602
Prepared by EPA Method 5030

Results Reported in Micrograms per Liter (µg/L)

Compound	Results	DLR	Compound	Results	DLR
EPA Method 601			cis-1,2-Dichloroethene.....	ND	0.5
Bromodichloromethane	ND	0.5	trans-1,2-Dichloroethene ..	ND	0.5
Bromoform	ND	0.5	1,2-Dichloropropane	ND	0.5
Bromomethane	ND	1.0	cis-1,3-Dichloropropene ...	ND	0.5
Carbon tetrachloride	ND	0.5	trans-1,3-Dichloropropene .	ND	0.5
Chloroethane	ND	0.5	Methylene chloride	ND	0.5
Chloroform	ND	0.5	1,1,2,2-tetrachloroethane .	ND	0.5
Chloromethane	ND	0.5	Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5	1,1,1-Trichloroethane	ND	0.5
Dichlorodifluoromethane	300	2.0	1,1,2-Trichloroethane	ND	0.5
1,1-Dichloroethane	ND	0.5	Trichloroethene	ND	0.5
1,2-Dichloroethane	ND	0.5	Trichlorofluoromethane	ND	0.5
1,1-Dichloroethene	ND	0.5	Vinyl chloride	ND	1.0
EPA Method 602					
Benzene	ND	0.5	1,4-Dichlorobenzene	ND	0.5
Chlorobenzene	ND	0.5	Ethylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5	Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5	Xylenes (Total).....	ND	0.5

Sample DLR = DLR x DLR Multiplier, DLR Multiplier = 1

DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

ND: None Detected

--: Not Analyzed

Cynthia Pigman, QA/QC Supervisor

Jeffrey Creager, Organics Manager

10909 601602.T

ANALYTICAL BSK LABORATORIES
Environmental Services

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Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 07/16/92
Time Sampled : 1430
Date Received : 07/17/92
Report Issue Date: 07/30/92

Case Number : Ch921884
Lab ID Number : 1884
Project Number : P92124
Sample Description: Water well

Sample Type : LIQUID

California Title 22 General Mineral Analyses

Results reported in Milligrams per Liter (mg/L)

Constituent	Results	DLR	Constituent	Results	DLR
Calcium (Ca).....	45	0.1	Copper (Cu).....	ND	0.05
Magnesium (Mg).....	18	0.1	Iron (Fe).....	ND	0.05
Sodium (Na).....	33	1	Manganese (Mn).....	0.03	0.01
Potassium (K)	ND	1	Zinc (Zn).....	ND	0.05
Alkalinity (as CaCO3).....	170	10	Foaming Agents (MBAS).....	ND	0.05
Hydroxide (OH).....	ND	1	pH (in Std Units).....	7.5	-
Carbonate (CO3).....	ND	1	Specific Electrical		
Bicarbonate (HCO3).....	210	12	Conductance (EC) (µmho/cm)	490	20
Chloride (Cl).....	20	1			
Sulfate (SO4).....	26	1			

Calculated Values

Constituent	Results	DLR
Dissolved Solids(TDS).....	310	10
Hardness (as CaCO3).....	190	10
Langlier Index.....	0.2	-

DLR: Detection Limit For the Purposes of Reporting
ND: None Detected
--: Not Analyzed
TDS: Calculated from EC using the formula EC X 0.625
<: Less Than
µmho/cm: Micromhos per centimeter at 25°C

Cynthia Pigman, QA/QC Supervisor

Doug Deasy, Inorganics Supervisor

ANALYTICAL BSK LABORATORIES
Environmental Services

1414 Stanislaus Street
Fresno, California 93706
Telephone (209) 485-8310
FAX (209) 485-6935
1-800-877-8310

BSK-Pleasanton
McLemore Trust

Date Sampled : 07/16/92
Time Sampled : 1430
Date Received : 07/17/92
Report Issue Date: 07/30/92

Case Number : Ch921884
Lab ID Number : 1884
Project Number : P92124
Sample Description: Water well

Sample Type : LIQUID

General Chemical Analyses

Analyte	Units	Results	DLR
Cyanide, Total (CN).....	mg/L	ND	0.02
Redox Potential (Eh).....	mV	520	-

ND: None Detected
--: Not analyzed
mV: Millivolt relative to H
mg/L: Milligrams per Liter
µg/L: Micrograms per Liter
DLR: Detection Limit for the Purposes of Reporting. Exceptional sample conditions or matrix interferences may result in higher detection limits.

Cynthia Pigman, QA/QC Supervisor

Doug Deasy, Inorganics Supervisor

R910626 GCL

BSK Log Number _____

ANALYSIS REQUEST/CHAIN OF CUSTODY RECORD

1000-7467

Client Name: McLemore Trust	Project or P.O.#: P92124
Address: 181 Quarry Ln.	Phone #: 510 462-4000
City, State, Zip: Pleasanton	Report, attention: Martin Cline

Lab Use Only in this section

Analysis required

CHROMALAB FILE # 792166
ORDER # 7094

Date sampled	Time sampled	Type (See key below)	Sampled by: M. Cline / Sample description	Number of containers	Lab Sample number	Sample Seals (See key below)	Chromium VI	Pri Pol Metals	Hazal Specie	Remarks
7/16/92	14:30	AQ	water well	2			X	X		

IMPORTANT NOTICE: No samples will be analyzed without an authorized signature in this section.

I am hereby requesting BSK's Normal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in the U.S. E.P.A. SW 846 and that there is no extra charge for this service.

By: Mart Cli
Authorized Signature

I am hereby requesting BSK's Formal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in U.S. EPA Contract Laboratory Program Statement of Work, Section F, and that there is a charge of $50.00 per work order or $5.00 a bottle, whichever is greater.

By: _____
Authorized Signature

Signature	Print Name	Company	Date	Time
Relinquished by: Mart Cli	Martin Cline	BSK	7/17/92	930
Received by: [signature]	SEAN NALSEY	CHROMALAB	7/17/92	930
Relinquished by				
Received by				
Relinquished by				
Received by				

BSK & Associates Chemical Laboratories

1414 Stanislaus Street Fresno, California 93706

Telephone (209) 485-8310 • Fax (209) 485-7427

KEY: Type: AQ-Aqueous SL-Sludge SO-Soil PE-Petroleum OT-Other
Seals: P-Present A-Absent B-Broken
DISTRIBUTION: WHITE, CANARY - LABORATORY PINK - ORIGINATOR
Note:
Samples are discarded 14 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 27, 1992 ChromaLab File No.: 0792166

BSK & ASSOCIATES

Attn: Martin Cline

RE: One water sample for Priority Pollutants Metals (13) and Hexavalent Chromium analyses

Project Name: McLEMORE TRUST
Project Number: P92124
Date Sampled: July 16, 1992 Date Submitted: July 17, 1992
Date Analyzed: July 17, 1992

RESULTS: Sample I.D.: WATER WELL

Metals	Concentration (mg/L)	Detection Limit (mg/L)
Antimony (Sb)	N.D.	0.020
Arsenic (As)	N.D.	0.005
Beryllium (Be)	N.D.	0.001
Cadmium (Cd)	N.D.	0.001
Chromium (Cr)	N.D.	0.01
Chromium Hexavalent (Cr^{6+})	N.D.	0.01
Copper (Cu)	N.D.	0.005
Lead (Pb)	N.D.	0.010
Mercury (Hg)	.001	0.001
Nickel (Ni)	N.D.	0.020
Selenium (Se)	N.D.	0.005
Silver (Ag)	N.D.	0.005
Thallium (Tl)	N.D.	0.04
Zinc (Zn)	0.01	0.005

Method of Analysis: 3010/6010/7000(Hg)/7196(Cr^{6+})

ChromaLab, Inc.

Refaat A. Mankarious
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

BSK Log Number _____

ANALYSIS REQUEST/CHAIN OF CUSTODY RECORD

1000-7469

Client Name: BSK & Assoc.	Project or P.O.#: P92124
Address: 1181 Quarry Ln.	Phone #: (510) 462-4000
City, State, Zip: Pleasanton	Report, attention: Frank Gregoros

Sampled by: M. Cline

Date sampled	Time sampled	Type (See key below)	Sample description	Number of containers	Lab Sample number	Sample Seals (See key below)	Chromium VI	Total Chromium					Remarks
7/27/92	13:43	AQ	MW-2 #1 unfiltered				X						CHROMALAB FILE # 792242
	13:44		MW-2 #2 unfiltered +HNO3					X					ORDER # 7184
	13:46		MW-2 #4 filtered				X						
	13:48		MW-2 #6 filtered +HNO3					X					
													24hr TAT

Lab Use Only in this section

Analysis required: Hazardous sample / Special handling required

IMPORTANT NOTICE: No samples will be analyzed without an authorized signature in this section.

I am hereby requesting BSK's Normal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in the U.S. E.P.A. SW 846 and that there is no extra charge for this service.

By: Marty Cli
Authorized Signature

I am hereby requesting BSK's Formal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in U.S. EPA Contract Laboratory Program Statement of Work, Section F, and that there is a charge of $50.00 per work order or $5.00 a bottle, whichever is greater.

By: _____
Authorized Signature

Signature	Print Name	Company	Date	Time
Relinquished by: Marty Cli	Martin Cline	BSK & Assoc.	7/27/92	15:45
Received by: [illegible]	Yiu Keung Tam	CHROMALAB	7/27/92	15:45
Relinquished by				
Received by				
Relinquished by				
Received by				

KEY: Type: AQ–Aqueous SL–Sludge SO–Soil PE–Petroleum OT–Other
Seals: P–Present A–Absent B–Broken
DISTRIBUTION: WHITE, CANARY - LABORATORY PINK - ORIGINATOR
Note:
Samples are discarded 14 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

BSK & Associates Chemical Laboratories
1414 Stanislaus Street Fresno, California 93706
Telephone (209) 485-8310 • Fax (209) 485-7427

CHROMALAB, INC.

Environmental Laboratory (1094)

received 8/12/92

5 DAYS TURNAROUND

July 28, 1992 ChromaLab File No.: 0792242

BSK & ASSOCIATES

Attn: Martin Cline

RE: Two water samples for Hexavalent Chromium and Total Chromium analyses

Project Number: P92124
Date Sampled: July 27, 1992 Date Submitted: July 27, 1992
Date Extracted: July 28, 1992 Date Analyzed: July 28, 1992

RESULTS:

Sample I.D.	Hexavalent Chromium (mg/L)	Total Chromium (mg/L)
MW-2 #1 unfiltered	640	----
MW-2 #2 unfiltered HNO_3	----	690
MW-2 #4 filtered	680	----
MW-2 #6 filtered HNO_3	----	700
BLANK	N.D.	N.D.
SPIKED RECOVERY	96%	90%
DUPLICATE SPIKED RECOVERY	98%	92%
DETECTION LIMIT	0.01	0.05
METHOD OF ANALYSIS	7196	3010/7190

ChromaLab, Inc.

Refaat A.Mankarious
Analytical Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

[redacted] BSK Log Number [redacted] ANALY[redacted]REQ[redacted]/CH[redacted]OF C[redacted]DY[redacted]ORD[redacted] 1000[redacted]7479[redacted]

07283314

Client Name: BSK Pleasanton	Project or P.O.#: P92124
Address: 1181 Quarry Ln	Phone #: (510) 462-4000
City, State, Zip: Pleasanton 94566	Report, attention: Frank Greguras

Sampled by: M. Cline

Lab Use Only in this section — Analysis required

Date sampled	Time sampled	Type (See key below)	Sample description	Number of containers	Lab Sample number	Sample Seals (See key below)	Chromium VI	Total Chromium						Hazardous sample / Special handling required	Remarks
7/27/92	13:45	AQ	MW-2 #3 filtered	1		P	X								Note: 24 Holding Time
	13:47	AQ	MW-2 #5 filtered + HNO_3	1		P		X							

IMPORTANT NOTICE: No samples will be analyzed without an authorized signature in this section.

I am hereby requesting BSK's Normal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in the U.S. E.P.A. SW 846 and that there is no extra charge for this service.

By: Mat Cli — Authorized Signature

I am hereby requesting BSK's Formal Chain-of-Custody Procedures for the above samples. I understand that these procedures are generally consistent with those outlined in U.S. EPA Contract Laboratory Program Statement of Work, Section F, and that there is a charge of $50.00 per work order or $5.00 a bottle, whichever is greater.

By: ______ Authorized Signature

	Signature	Print Name	Company	Date	Time
Relinquished by	Mat Cli	Martin Cline	BSK & Assoc.	7/27/92	14:28
Received by					
Relinquished by	Fed Ex # 1408291813, 1-Cooler, Tape Seal, Scivyed,		5°C		
Received by	[signature]	J. Sanchez	LAL	7-28-92	0900
Relinquished by					
Received by					

KEY: Type: AQ–Aqueous SL–Sludge SO–Soil PE–Petroleum OT–Other
Seals: P–Present A–Absent B–Broken
DISTRIBUTION: WHITE, CANARY - LABORATORY PINK - ORIGINATOR
Note:
Samples are discarded 14 days after results are reported unless other arrangements are made.
Hazardous samples will be returned to client or disposed of at client expense.

BSK & Associates Chemical Laboratories

~~1414 Stanislaus Street Fresno, California 93706~~

~~Telephone (209) 485-8310 • Fax (209) 485-6427~~

Fax (510) 462-6283

Lockheed Analytical Laboratory

BSK AND ASSOCIATES

SAMPLE ANALYSIS
SUMMARY PACKAGE

FOR

HEXAVALENT CHROMIUM, AND
TOTAL CHROMIUM

JOB NAME: BSK-OR-07282

QUOTATION NUMBER: Q220620

DOCUMENT FILE NUMBER: 0728314

Lockheed
Engineering & Sciences Company

ANALYTICAL LABORATORY
975 Kelly Johnson Drive, Las Vegas, Nevada 89119-3705

August 4, 1992

Mr. Frank Greguras
BSK AND ASSOCIATES
1181 Quarry Lane #300
Pleasanton, CA 94566

RE: Job Name: BSK-OR-07282
Quotation No.: Q220620
Document File No.: 0728314

The attached data package contains the results of analyses on samples that were submitted to the Lockheed Analytical Laboratory on July 28, 1992. The samples were received in good condition.

SUMMARY ANALYSIS STATEMENT:

The samples were analyzed within the method-specific holding times. The method blanks were free of contamination.

All Internal Quality Control were within acceptance limits.

If you have any questions concerning the analysis or the data please do not hesitate to contact Linda Cardenas, (702) 361-3955, ext. 273.

Release of this data report has been authorized by the Laboratory Director or the Director's designee as evidenced by the following signature.

Sincerely,

Michael J. Butler, Ph.D.
Client Services Manager

MB/jsf

cc: Client Services
Document Control Department

LAL Data Qualifiers

Quality Assurance Department

B - Any constituent that was also detected in the blank whose concentration was greater than the method detection limit (MDL) and contributed greater than 20 percent to the sample concentration.

D - Constituent detected in the diluted sample.

E - Constituent concentration exceeded the calibration/linear range.

H - Sample analysis performed outside of method-specified maximum holding time requirement.

J - Constituent detected at a level less than the reporting detection limit (RDL) and greater than or equal to the MDL (CLP data packages only).

P - Relative percent difference (RPD) for replicate analysis exceeded acceptance limits.

R - Data obtained from reanalysis.

S - Matrix spike recovery outside of acceptance limits.

X - Constituent confirmed by GC/MS or by second column organic analysis (CLP data packages only).

SAMPLE RESULTS

Client Sample ID: MW-2 #3, MW-2 #5	Date Collected: 7-27-92	Matrix: liquid
LAL Batch ID(s): 728 bsk	Date Received: 7-28-92	

Constituents	Method	Concentration (mg/L)	Reporting Detection Limit (mg/L)	Data Qualifier(s)	Date Analyzed	LAL Sample ID
Chromium (VI)	7196	680	20	D(1:1000)	7-28-92	A29435
Chromium (total)	6010	670	10	D(1:1000)	7-30-92	A29436

Comments:

QC DATA SUMMARY

LAL Batch ID(s): 728 bsk

Constituent	Client Sample ID	LAL Sample ID	Date Analyzed	QC Sample Analyses		
				Reagent Blank (mg/L)	Duplicate Precision (% RPD)	Matrix Spike Recovery (%)
Chromium (VI)	MW-2 #3	A29435	7-28-92	<0.020	2	103
Chromium (total)	MW-2 #5	A29436	7-30-92	<0.010	0	105

Comments: