

THE SAN JOAQUIN COMPANY INC.  
1120 HOLLYWOOD AVENUE, SUITE 3, OAKLAND, CALIFORNIA 94602

Alameda County Health Care Services Agency  
Environmental Protection Division  
1131 Harbor Way Parkway, Suite 250  
Alameda, California 94502-6577

Date: December 18, 2000

Our Reference: 9401.114

Attn. Mr. Larry Seto

**SUBJECT: Semiannual Status Report – 208 Jackson Street, Oakland, California**

Dear Mr. Seto:

At the request of the property owner, SNK Development Inc., we transmit herewith a copy of our: Semiannual Status and Groundwater-quality Monitoring Report, June 1, 2000 – November 30, 2000, 208 Jackson Street, Oakland, California

If you have any questions, please call me at (510) 336-1772.

Sincerely,



D. J. Watkins  
President  
The San Joaquin Company Inc.

Enc: Semiannual Status and Groundwater-quality Monitoring Report

ENVIRONMENTAL  
PROTECTION  
00 DEC 21 PM 3:34

THE SAN JOAQUIN COMPANY INC.  
1120 HOLLYWOOD AVENUE, SUITE 3, OAKLAND, CALIFORNIA 94602

SEMIANNUAL STATUS  
AND GROUNDWATER-QUALITY MONITORING

REPORT

JUNE 1, 2000 – NOVEMBER 30, 2000

208 Jackson Street, Oakland, California

Prepared for:

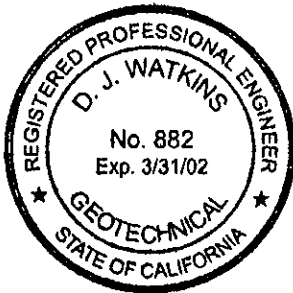
SNK DEVELOPMENT INC

December 2000

Project No. 9401.114

### PROFESSIONAL CERTIFICATION AND LIMITATIONS

This report was prepared under the direction of the engineer whose seal and signature appear below. The work was performed in accordance with generally accepted standards of engineering practice based on information available to us at the time of its preparation and within the limits of the scope of work directed by the client. No other representation, expressed or implied, and no warranty or guarantee is included or intended as to professional opinions, recommendations, or field or laboratory data provided.



A handwritten signature in black ink, appearing to read "D.J. Watkins".

D.J. Watkins, Ph.D., P.E.  
Geotechnical Engineer  
The San Joaquin Company Inc.

## INTRODUCTION

This status report is for the property at 208 Jackson Street, Oakland, California. It covers the period from June 1, 2000 - November 30, 2000.

## SITE LOCATION

The subject property is situated at 208 Jackson Street, Oakland, California. That location is shown on Figure 1. Figure 2 is a site plan showing the location of groundwater-quality monitoring wells that have been installed on the site.

## BACKGROUND

### Site History

Between 1946 and 1947, a steel-framed building was constructed at the corner of Second and Madison Streets for the Marine Steel Company (**Marine Steel**). Associated with this building was a storage yard that extended northeast along Madison Street. At that time, the Marine Steel site had the address 205 Madison Street.

Subsequent to its initial occupancy by Marine Steel, the site at 205 Madison Street was occupied by a variety of businesses that included used machinery and scrap metal dealers. At some time prior to 1963, the metal building and property at that address was used by a truck-rental business. At an unknown date, presumably when the truck rental business occupied the site, four underground storage tanks were installed on that property. These included a 10,000-gallon and an 8,000-gallon gasoline tank and a 10,000-gallon and a 2,000-gallon diesel tank.

In January 1963, ownership of the site at 205 Madison Street passed to the John Morell Company (**Morell**), which incorporated it into its meatpacking facility at 208 Jackson Street. In 1970, Morell sold all of its property at 208 Jackson Street, but the site continued in use as a meatpacking facility with a succession of owners, the last of which was the East Bay Packing Company (**East Bay Packing**).

In May 1990, all four tanks were removed from the property by East Bay Packing. Testing at the bottom of the tank pits showed that soil and groundwater beneath the tanks was affected by components of fuel hydrocarbons.

In November 1990, the 208 Jackson Street property was purchased by Mr. Tzu Ming Chen and Mrs. Chih Chin Lin Chen (**the Chens**), the owners of Wo Lee Food, which used the property for production, packaging and distribution of Asian specialty foods. In the period between 1990 and 1998, under the direction and oversight of the California Regional Water Quality Control Board – San Francisco Bay Region (**RWQCB**) and the Alameda County Health Care Services Agency, Environmental Health Services Division (**ACHCSA**), the

Chens retained a series of consultants to characterize the site and monitor groundwater quality in the affected area.

On October 22 1998, SNK Development Inc. (SNK) purchased the 208 Jackson Street property from the Chens and immediately retained The San Joaquin Company Inc. (SJC) to develop a remediation plan that would permit redevelopment of the property. SNK also contracted with Dietz Irrigation of Tracy, California, to implement the remediation.

The remediation was conducted in compliance with a work plan approved by the ACHCSA. (SJC, 1998. ACHCSA, 1998a, 1998b.) The remediation work involved excavation of soil from beneath the affected part of the site, treatment of the soil on site, and restoration of the remedial excavation.

On-site remediation work was completed in November 1998 (Dietz Irrigation, 1998) and, with the concurrence of the ACHCSA, the site was released for redevelopment on December 3, 1998. (ACHCSA, 1998c)

All previously-existing groundwater-quality monitoring wells present on the site were closed when the hydrocarbon-affected soil was remediated. As called for by the remediation work plan, two new off-site monitoring wells - Nos. MW-6 and MW-7 - were installed on December 30, 1998 at the locations shown on Figure 2. Four rounds of groundwater-quality monitoring using these wells were conducted in the period on January 9, 1999 through October 24, 1999 (The San Joaquin Company Inc 1999a, 1999b, 1999c, 1999d). The sampling round that was conducted on October 24, 1999 was the last round called for by the remediation work plan.

A formal report of corrective action was submitted to the ACHCSA on November 22, 1999 (The San Joaquin Company 1999e). Following ACHCSA review of the report of corrective action and the results of the groundwater-quality monitoring conducted through October 24, 1999, San Joaquin Company staff met with Mr. Larry Seto, the ACHCSA representative. He requested that additional groundwater monitoring be conducted on a semi-annual schedule. Accordingly, a round of groundwater sampling and analysis was conducted on April 20, 2000 (The San Joaquin Company Inc 2000b).

## **ACTIVITY DURING THE REPORTING PERIOD**

Following is a summary of activity related to the subject site for the period from June 1, 2000 through November 30, 2000.

### **Groundwater-quality Monitoring**

A round of groundwater sampling using monitoring wells MW-6 and MW-7 was conducted on October 27, 2000.

### Depth to Groundwater

To initiate the sampling program, the depth to groundwater in both of the monitoring wells was measured using a conductivity probe. The water table elevations were computed relative to mean sea level (MSL). These measurements and the computed groundwater-table elevations are recorded in Table 1. In the period between April 20, 2000 and October 27, 2000, the groundwater table had fallen, on average, some 8.5 feet.

The fall in the groundwater elevation observed on October 27, 2000 was unprecedented in the groundwater elevation data available for the 208 Jackson Street site, the earliest measurement of which occurred in September 1995 (The San Joaquin Company Inc. 2000c). The depth to groundwater was also greatly in excess of any depth known to have been recorded in the general neighborhood (within which the San Joaquin Company has extensive experience in monitoring the groundwater at numerous sites).

Upon investigation, SJC's staff discovered a large basement excavation for a new structure on the site of the former Dreyer's ice cream warehouse that fronted onto Third and Madison Streets and that is situated diagonally across those streets from the 208 Jackson Street site. That excavation was at least 12 feet deep and was being kept dry by a de-watering system. That accounts for the lowered groundwater table elevations of -5.61 MSL in MW-6 and -7.51 MSL in MW-7 and the large difference between them. The pumping caused more draw-down of the water table in MW-7 because it is closer to the center of the cone of depression generated by the de-watering pumps operating at the former Dreyer's warehouse site. When the rate of pumping at that site is significantly reduced, or when de-watering operations are terminated, it is expected that the groundwater elevations at the 208 Jackson Street site will return to their normal range.

### Groundwater Sample Recovery

After the depth to groundwater in each well had been measured, an attempt was made to purge them by pumping; however, there was insufficient water in the wells to cover the end of the pump suction hose. Pumping was abandoned and wells were purged to the extent possible by hand bailing. The purge water was decanted into 5-gallon pails, which, when full, were emptied onto a non-draining, paved area of the site, from which it evaporated. ?

After both wells had been purged, the depth to groundwater in each was measured again, prior to sampling, to ensure that a representative sample would be obtained. In both cases, the water levels in the wells had fully recovered between the time of purging and the time of sampling.

Groundwater samples were then recovered from the wells using the dedicated PVC bailers with which they had been equipped when they were constructed; however, because of the extremely low groundwater elevation, it was difficult to recover sufficient water to provide for filling all of the sample glassware required. This resulted in the recovery of only partial filling of the one-liter sample bottles used for analysis for diesel. In addition, when MW-7 was sampled, due to the groundwater table being very close to bottom of the well, it was not

possible to avoid entraining into the bailer some small particles of bituminous macadam. That material had been spilled into MW-7 in the early months of 1999 by a paving contractor (The San Joaquin Company 2000b).

Groundwater recovered in the bailers was decanted via a valve into clean, laboratory-supplied glassware. The sample vials and jars were then tightly closed, labeled for identification, entered into chain-of-custody control, and packed on chemical ice for transportation to Chromalab Inc.'s (**Chromalab**) laboratory in Pleasanton, California for analysis.

### Sample Analysis

Following receipt at the laboratory, the groundwater samples were analyzed for the following suite of analytes.

Analyte	Method of Analysis
Total Petroleum Hydrocarbons (quantified as Diesel)	EPA Method 8015
Total Petroleum Hydrocarbons (quantified as Gasoline)	EPA Method 8015M
Benzene	EPA Method 8015M
Toluene	EPA Method 8015M
Ethyl Benzene	EPA Method 8015M
Total Xylene Polymers	EPA Method 8015M
Methyl-tertiary Butyl Ether (MTBE)	EPA Method 8260A

### Results of Groundwater Analysis

The results of the analyses of the samples of groundwater recovered from monitoring wells MW-6 and MW-7 on October 27, 2000 are presented in Table 2, which also includes the results from the earlier rounds of groundwater sampling.

As shown in Table 2, the sample of groundwater recovered from MW-6 on October 27, 2000 contained concentrations of TPHd and TPHg of 140  $\mu\text{g/L}$  and 67  $\mu\text{g/L}$ , respectively. No detectable concentrations of the BTEX compounds were present. The concentration of MTBE was 100  $\mu\text{g/L}$ .

Analyses of the sample of groundwater recovered from MW-7 on October 27, 2000 detected

the presence of 1,300  $\mu\text{g/L}$  of total petroleum hydrocarbons quantified as diesel, 4,700  $\mu\text{g/L}$  of total petroleum hydrocarbons quantified as gasoline, benzene at 600  $\mu\text{g/L}$ , toluene at 190  $\mu\text{g/L}$ , ethyl benzene at 230  $\mu\text{g/L}$  and total xylene polymers at 420  $\mu\text{g/L}$ . No MTBE has ever been detected in samples recovered from this well, and this continued to be the case for the sample recovered on October 27, 2000.

### Evaluation of Groundwater Analyses

As can be seen in Table 2, and as was reported in the Quarterly Report for the period March 1, 1999 to May 31, 1999 (The San Joaquin Company Inc. 1999b), diesel, gasoline and all of the BTEX compounds were detected in the sample recovered from well MW-6 on April 26, 1999, although none - with the exception of a trace of xylene polymers - had been detected in water previously recovered from that well. That result was unexpected. However the presence of those analytes was confirmed by the round of sampling that was conducted on July 25, 1999, which included quality assurance analyses conducted at an independent laboratory (The San Joaquin Company 1999c). During the July 25, 1999 sampling round, MTBE, at a concentration of 2500  $\mu\text{g/L}$  was also unexpectedly detected in the sample recovered from MW-6.

Subsequent to detection of analytes of concern in the groundwater sample recovered from MW-6 on April 25, 1999, the results of later analyses from this well showed a rapidly-declining trend in the concentrations of the analytes. By the October 27, 2000 sampling round, the results of which are reported above, the concentration of TPHd and TPHg had fallen to 140  $\mu\text{g/L}$  and 67  $\mu\text{g/L}$ , respectively. No detectable concentrations of the BTEX compounds were present, and the concentration of MTBE in that well had fallen to 100  $\mu\text{g/L}$ .

An upward perturbation was also detected in the concentrations of TPHg and BTEX compounds in MW-7 in July 1999. An evaluation of those results and those from MW-6 during that general period was correlated with activities that occurred on and in the neighborhood of the site during the relevant period. Based on that study, it was concluded that the presence of components of fuel hydrocarbons that had suddenly appeared in MW-6 and the perturbation in the results of samples recovered from MW-7 could be attributed to contamination that occurred during the repaving of Third and Madison Streets performed in the early months of 1999 (The San Joaquin Company 2000b).

The results from the analyses of the sample recovered from MW-6 on October 27, 2000 show that the petroleum hydrocarbons that were apparently introduced into that well during street re-paving operations in early 1999 are continuing to dissipate steadily.

If the perturbation in the results of analyses of samples from MW-7 that occurred on July 25, 1999 is discounted, the data presented in Table 2 shows a distinct trend of decreasing concentrations of diesel and gasoline in this well with a falling water table over the period January 9, 1999 to October 24, 1999. However, the results from a sample recovered on April 20, 2000 show a noticeable increase in the concentrations of these analytes with an associated increase in BTEX compounds. As can be seen in Table 1, these changes coincide with a significant rise of the groundwater table. MW-7 is located beneath the public street



near what had been the most heavily-affected area of the 208 Jackson Street site. Further, the lowered elevation of the groundwater table in the spring and summer of 1999, which were unusually dry, would have been such that groundwater would not have been in contact with the most heavily-affected zone of soil (*i.e.*, the zone close to the typical elevation of the groundwater table). With the coming of the winter rains, the groundwater rose so that on April 20, 2000, it was at a higher elevation than at any time since groundwater-quality monitoring was first initiated in MW-7. Accordingly, it is likely that, at that time, the rising water table exposed groundwater to contact with more heavily-affected soil than had been the case in the previous dry season. That type of seasonal and rainfall-associated fluctuation in the concentrations of fuel hydrocarbons is commonly seen at sites having characteristics similar to the 208 Jackson Street property.

However, as is documented in Table 1 and has been discussed above, the result of construction de-watering operations at a nearby site to the east of the 208 Jackson Street property, the groundwater in MW-7 had, by October 27, 2000, fallen close to the bottom of the well casing. That elevation is several feet below the zone of soil that is within the natural range of groundwater table elevation variations. That zone is the most heavily affected by fuel hydrocarbons in the area around MW-7. Thus, under those conditions, when groundwater is not in contact with the most severely-affected soil, a reduction in the concentrations of the analytes of concern would be expected. As groundwater elevations change due to seasonal groundwater table fluctuations and to construction activities in the neighborhood, variations in the concentrations of analytes of concern in samples of groundwater recovered from MW-7 will continue to be encountered. It is expected that there will be a general trend of declining mean concentrations due to natural bio-remediation and attenuation of the fuel hydrocarbons affecting this small, off-site area where it was not possible to remediate the soil by excavation.

### **Engineering Reports and Filings**

During the reporting period, the following reports were prepared.

The San Joaquin Company Inc. (2000b), *Quarterly Status and Groundwater-quality Monitoring Report, March 1, 2000 to May 31, 2000 - 208 Jackson Street, Oakland, California.* July 2000.

The San Joaquin Company Inc. (2000c), *Closure Report – 208 Jackson Street, Oakland, California.* September 2000.

The Closure Report provided complete documentation of the removal of the tanks from the site, the subsequent site characterization activity, the site remediation program and all post-remediation groundwater-quality monitoring through April 20, 2000. Following review of the report, the ACHCSA representative concluded that no additional remediation was required at the 208 Jackson Street site, but that the history of groundwater quality in monitoring wells MW-6 and MW-7 was not yet sufficient to reliably demonstrate that the analytes of concern have reached a trend of steady or declining concentrations. Consequently, the ASHCSA representative requested that groundwater-quality monitoring be continued at semi-annual

intervals (ACHCSA 2000).

## WORK IN PROGRESS

As noted above, the ACHCSA has requested that groundwater-quality monitoring continue on a semi-annual schedule until a stable or declining trend in the concentrations of the analytes of concern in groundwater samples from MW-7 is established. In compliance with this request, the next round of sampling at this site is scheduled for April 2001.

## REFERENCES

Alameda County Health Care Services Agency (2000), Letter: *RE: 208 Jackson Street, Oakland, California 94607*, from Larry Seto (Senior Hazardous Materials Specialist) to Ms. Lisa Ericksen, SNK Development Inc. November 2, 2000.

Alameda County Health Care Services Agency (1998a), Letter: *RE: 208 Jackson Street, Oakland, California 94607*, from Larry Seto (Senior Hazardous Materials Specialist) to Mr. Scott Johnson, SNK Development Inc. August 3, 1998.

Alameda County Health Care Services Agency (1998b), Letter: *RE: 208 Jackson Street, Oakland, California 94607*, from Larry Seto (Senior Hazardous Materials Specialist) to Mr. Scott Johnson, SNK Development Inc. October 21, 1998.

Alameda County Health Care Services Agency (1998c), Letter: *RE: 208 Jackson Street, Oakland, California 94607*, from Larry Seto (Senior Hazardous Materials Specialist) to Mr. Scott Johnson, SNK Development Inc. December 3, 1998.

Dietz Irrigation (1998), *Report of Excavation and Treatment of Hydrocarbon Affected Soil – 208 Jackson Street, Oakland, California*. November 30, 1998 .

The San Joaquin Company Inc. (2000a), *Quarterly Status Report, December 1, 1999 to February 29, 2000 - 208 Jackson Street, Oakland, California*. March 2000.

The San Joaquin Company Inc. (2000b), *Quarterly Status and Groundwater-quality Monitoring Report, March 1, 2000 to May 31, 2000 - 208 Jackson Street, Oakland, California*. July 2000.

The San Joaquin Company Inc. (2000c), *Closure Report – 208 Jackson Street, Oakland, California*. September 2000.

The San Joaquin Company Inc. (1999a), *Quarterly Status and Groundwater-quality Monitoring Report, December 1, 1998 to February 29, 1999 - 208 Jackson Street, Oakland, California*. April 1999.

The San Joaquin Company Inc. (1999b), *Quarterly Status and Groundwater-quality Monitoring Report, March 1, 1999 to May 31, 1999 - 208 Jackson Street, Oakland, California.* June 1999.

The San Joaquin Company Inc. (1999c), *Quarterly Status and Groundwater-quality Monitoring Report, June 1, 1999 to August 31, 1999 - 208 Jackson Street, Oakland, California.* August 1999.

The San Joaquin Company Inc. (1999d), *Quarterly Status and Groundwater-quality Monitoring Report, September 1, 1999 to November 30, 1999 - 208 Jackson Street, Oakland, California.* November 1999.

The San Joaquin Company Inc. (1999e), *Corrective Action Report - 208 Jackson Street, Oakland, California.* November 1999.

The San Joaquin Company Inc. (1998), *Remediation Plan - 208 Jackson Street, Oakland, California.* June 1998 (Revised October 1998).

**TABLE 1**

**DEPTHS TO GROUNDWATER**

<b>Well No.</b>	<b>Date Measured</b>	<b>Casing Elevation MSL</b>	<b>Groundwater Depth in feet</b>	<b>Groundwater Elevation MSL</b>
MW-6	01/09/99	5.63	4.57	1.06
	04/25/99		4.00	1.63
	07/24/99		4.23	1.40
	10/24/99		5.12	0.51
	04/20/00		3.61	2.02
	10/27/00		11.24	-5.61
MW-7	01/09/99	5.15	4.58	0.57
	04/25/99		4.10	1.05
	07/24/99		4.04	1.11
	10/24/99		4.90	0.25
	04/20/00		3.52	1.63
	10/27/00		12.66	-7.51

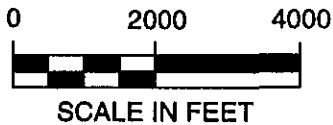
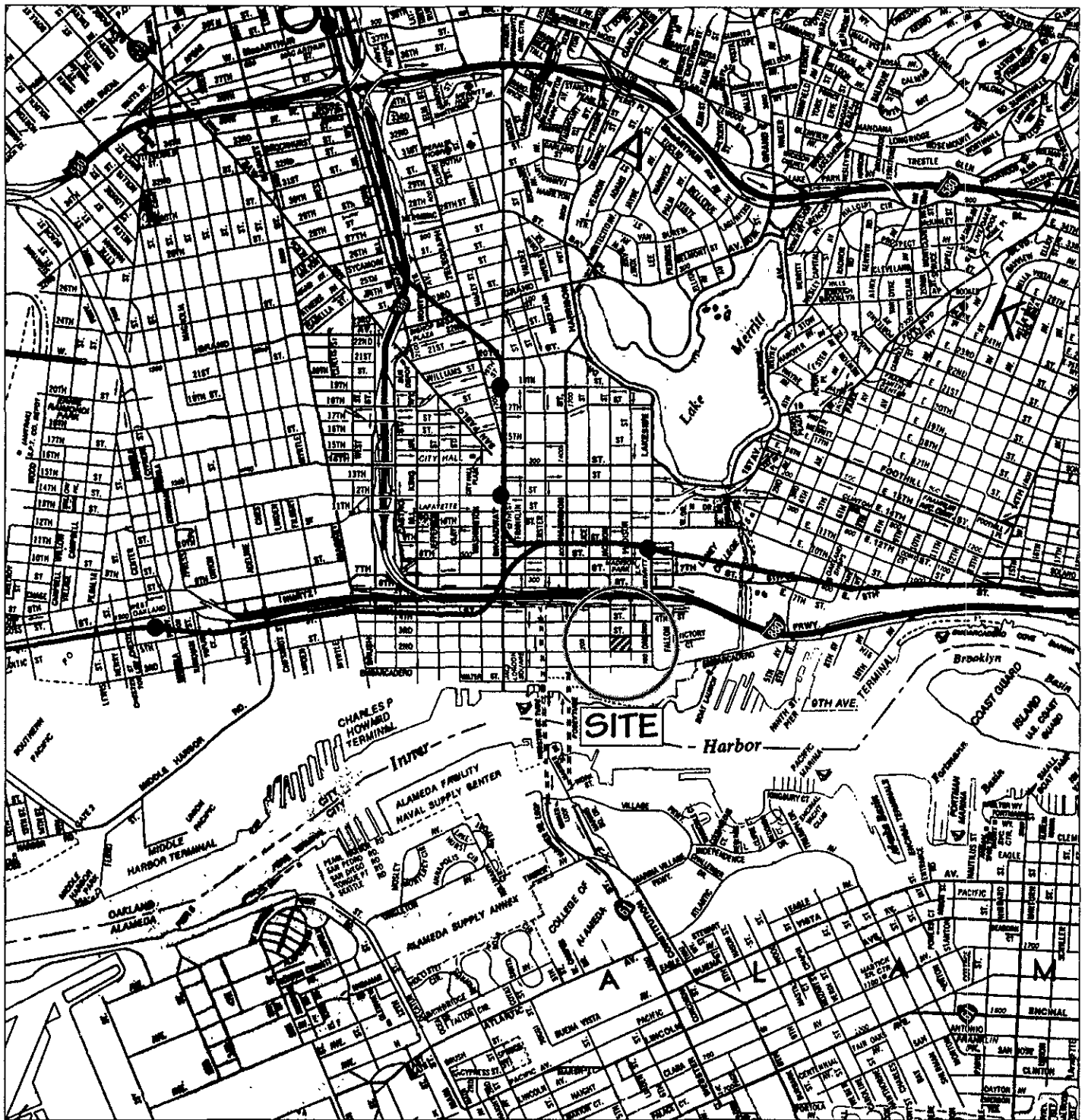
Notes: (1) All elevations in feet relative to mean sea level (MSL).

**TABLE 2**  
**RESULTS OF ANALYSES OF SAMPLES FROM**  
**GROUNDWATER-QUALITY MONITORING WELLS**

*Primary Analyses by Chromalab, Inc.*

Well No.	Date Sampled	TPHd µg/L	TPHg µg/L	Benzene µg/L	Toluene µg/L	Ethyl- benzene µg/L	Total Xylenes µg/L	MTBE µg/L
MW-6	01/09/99	ND	ND	ND	ND	ND	1.70	n.a.
	04/25/99	140	4500	26	160	9.8	140	n.a.
	07/25/99	89	1400	ND	ND	ND	ND	1500
	10/24/99	140	370	0.73	ND	ND	ND	950
	04/20/00	120	ND	ND	ND	ND	ND	350
	10/27/00	140	67	ND	ND	ND	ND	100
MW-7	01/09/99	1900	7200	410	550	120	1200	n.a.
	04/25/99	1800	4500	960	47	ND	730	n.a.
	07/25/99	1200	9100	2000	830	610	2000	ND
	10/24/99	1300	660	220	8.8	24	65	ND
	04/20/00	3400	8300	1400	380	310	1100	ND
	10/27/00	1300	4700	600	190	230	420	ND

Notes: (1) ND = Not detected above the Method Detection Limit (MDL)  
 (2) n.a. = Not analyzed for this analyte



Basemap: AAA; Oakland-Berkeley-Alameda (2/91)

### SITE LOCATION

208 Jackson Street, Oakland, California

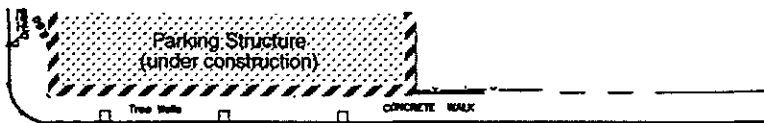
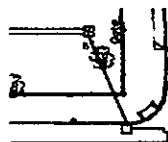
FIG 1

**The San Joaquin Company Inc.**

Project Number: 9401.114

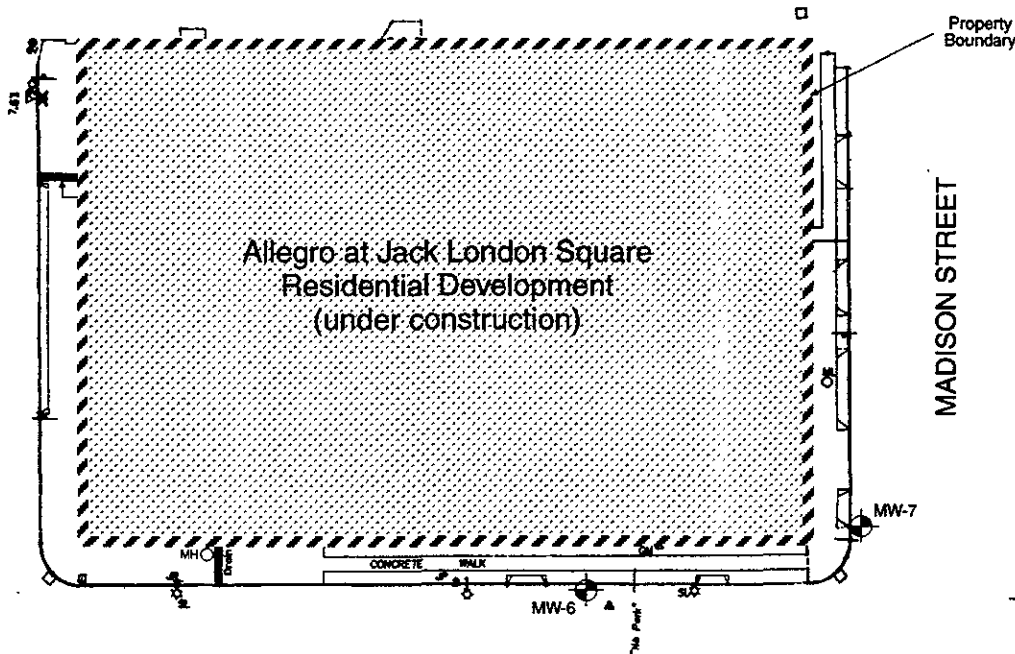
Drawn by: GNM Date: 11/15/99

Based on:  
 Philippi Engineering (04/11/98)  
 Project: A.L.T.A. Survey Block 13 & Portions of 35 & 36  
 Sheet Title: S.N.K. Realty Group



THIRD STREET

JACKSON STREET



Property Boundary

MADISON STREET

SECOND STREET

EXPLANATION



SCALE IN FEET



SITE PLAN - AUGUST 2000  
 208 Jackson Street, Oakland, California

FIG. 2

**The San Joaquin Company, Inc.**

Project Number: 9401.114

Drawn by: GNM Date: 08/28/00

**San Joaquin Company, Inc.**  
8617 Etcheverry Drive  
Tracy, CA 95376

Attn.: Mr. Bernie Dietz

Project: 208 Jackson St. / SNK

Dear Bernie,

Attached is our report for your samples received on Friday October 27, 2000  
This report has been reviewed and approved for release. Reproduction of this report  
is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after December 11, 2000  
unless you have requested otherwise. We appreciate the opportunity to be of service to you.  
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.  
My email address is: [gcook@chromalab.com](mailto:gcook@chromalab.com)

Sincerely,



Gary Cook



MTBE - Volatile Organics by GC/MS

<b>San Joaquin Company, Inc.</b>	☒ 8617 Etcheverry Drive Tracy, CA 95376
Attn: Bernie Dietz	Phone: (209) 832-2910 Fax: (209) 833-1288
Project #:	Project: 208 Jackson St. / SNK

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
MW-6	Water	10/27/2000 11:00	1
MW-7	Water	10/27/2000 11:30	2

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8260A

Attn.: Bernie Dietz

Prep Method: 5030

MTBE - Volatile Organics by GC/MS

Sample ID: <b>MW-6</b>	Lab Sample ID: <b>2000-10-0601-001</b>
Project: 208 Jackson St. / SNK	Received: 10/27/2000 14:20
Sampled: 10/27/2000 11:00	Extracted: 11/02/2000 14:33
Matrix: Water	QC-Batch: 2000/11/02-01.27

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	100	5.0	ug/L	1.00	11/02/2000 14:33	
<i>Surrogate(s)</i> 1,2-Dichloroethane-d4	89.7	76-114	%	1.00	11/02/2000 14:33	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8260A

Attn.: Bernie Dietz

Prep Method: 5030

MTBE - Volatile Organics by GC/MS

Sample ID: <b>MW-7</b>	Lab Sample ID: <b>2000-10-0601-002</b>
Project: 208 Jackson St. / SNK	Received: 10/27/2000 14:20
Sampled: 10/27/2000 11:30	Extracted: 11/02/2000 15:02
Matrix: Water	QC-Batch: 2000/11/02-01.27
Sample/Analysis Flag In ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	50	ug/L	10.00	11/02/2000 15:02	
<b>Surrogate(s)</b> 1,2-Dichloroethane-d4	95.8	76-114	%	1.00	11/02/2000 15:02	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: **San Joaquin Company, Inc.**

Test Method: 8260B

Attn.: Bernie Dietz

Prep Method: 8260B

## Batch QC Report

MTBE - Volatile Organics by GC/MS

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/11/02-01.27</b>
MB: 2000/11/02-01.27-001		Date Extracted: 11/02/2000 12:47

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	11/02/2000 12:47	
<b>Surrogate(s)</b> 1,2-Dichloroethane-d4	89.8	76-114	%	11/02/2000 12:47	

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8260B

Attn: Bernie Dietz

Prep Method: 8260B

## Batch QC Report

MTBE - Volatile Organics by GC/MS

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/11/02-01.27
LCS: 2000/11/02-01.27-002	Extracted: 11/02/2000 11:36	Analyzed 11/02/2000 11:36
LCSD: 2000/11/02-01.27-003	Extracted: 11/02/2000 12:17	Analyzed 11/02/2000 12:17

Compound	Conc. [ug/L]		Exp. Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Methyl tert-butyl ether	48.5	46.4	50.0	50.0	97.0	92.8	4.4	65-165	20		
<b>Surrogate(s)</b> 1,2-Dichloroethane-d4	445	418	500	500	89.0	83.6		76-114			

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

To: **San Joaquin Company, Inc.**

Attn: Bernie Dietz

Test Method: 8260A

Prep Method: 5030

## Legend & Notes

MTBE - Volatile Organics by GC/MS

### Analysis Flags

ln

Reporting limits raised due to high level of non-target analyte materials.

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

Diesel

<b>San Joaquin Company, Inc.</b>	☒ 8617 Etcheverry Drive Tracy, CA 95376
Attn: Bernie Dietz	Phone: (209) 832-2910 Fax: (209) 833-1288
Project #:	Project: 208 Jackson St. / SNK

### Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-6	Water	10/27/2000 11:00	1
MW-7	Water	10/27/2000 11:30	2

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8015M

Attn.: Bernie Dietz

Prep Method: 3510/8015M

Diesel

Sample ID: <b>MW-6</b>	Lab Sample ID: <b>2000-10-0601-001</b>
Project: 208 Jackson St. / SNK	Received: 10/27/2000 14:20
Sampled: 10/27/2000 11:00	Extracted: 10/31/2000 12:32
Matrix: Water	QC-Batch: 2000/10/31-02.10
Sample/Analysis Flag rl ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	140	93	ug/L	1.85	11/01/2000 23:26	
<b>Surrogate(s)</b> o-Terphenyl	111.9	60-130	%	1.85	11/01/2000 23:26	

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Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: **San Joaquin Company, Inc.**

Attn.: Bernie Dietz

Test Method: 8015M

Prep Method: 3510/8015M

Diesel

Sample ID: <b>MW-7</b>	Lab Sample ID: <b>2000-10-0601-002</b>
Project: 208 Jackson St. / SNK	Received: 10/27/2000 14:20
Sampled: 10/27/2000 11:30	Extracted: 10/31/2000 12:32
Matrix: Water	QC-Batch: 2000/10/31-02.10
Sample/Analysis Flag rl ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1300	100	ug/L	2.04	11/02/2000 00:04	ndp
<b>Surrogate(s)</b> o-Terphenyl	116.2	60-130	%	2.04	11/02/2000 00:04	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8015M

Attn.: Bernie Dietz

Prep Method: 3510/8015M

## Batch QC Report

Diesel

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/10/31-02.10</b>
MB: 2000/10/31-02.10-001		Date Extracted: 10/31/2000 12:32

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	11/01/2000 18:57	
<b>Surrogate(s)</b> o-Terphenyl	120.5	60-130	%	11/01/2000 18:57	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8015M

Attn: Bernie Dietz

Prep Method: 3510/8015M

## Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD)	Water	QC Batch # 2000/10/31-02.10
LCS: 2000/10/31-02.10-002	Extracted: 10/31/2000 12:32	Analyzed 11/01/2000 19:35
LCSD: 2000/10/31-02.10-003	Extracted: 10/31/2000 12:32	Analyzed 11/01/2000 20:14

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	1070	1020	1250	1250	85.6	81.6	4.8	60-130	25		
<b>Surrogate(s)</b>											
o-Terphenyl	24.5	22.9	20.0	20.0	122.5	114.5		60-130			

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
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To: **San Joaquin Company, Inc.**  
Attn: Bernie Dietz

Test Method: 8015M  
Prep Method: 3510/8015M

**Legend & Notes**

Diesel

**Analysis Flags**

rl

Reporting limits raised due to reduced sample size.

**Analyte Flags**

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

Gas/BTEX

**San Joaquin Company, Inc.**

✉ 8617 Etcheverry Drive  
Tracy, CA 95376

Attn: Bernie Dietz

Phone: (209) 832-2910 Fax: (209) 833-1288

Project #:

Project: 208 Jackson St. / SNK

### Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-6	Water	10/27/2000 11:00	1
MW-7	Water	10/27/2000 11:30	2

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8020  
8015M

Attn.: Bernie Dietz

Prep Method: 5030

Gas/BTEX

Sample ID: <b>MW-6</b>	Lab Sample ID: <b>2000-10-0601-001</b>
Project: <b>208 Jackson St. / SNK</b>	Received: <b>10/27/2000 14:20</b>
Sampled: <b>10/27/2000 11:00</b>	Extracted: <b>11/01/2000 22:15</b>
Matrix: <b>Water</b>	QC-Batch: <b>2000/11/01-01.02</b>

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	67	50	ug/L	1.00	11/01/2000 22:15	g
Benzene	ND	0.50	ug/L	1.00	11/01/2000 22:15	
Toluene	ND	0.50	ug/L	1.00	11/01/2000 22:15	
Ethyl benzene	ND	0.50	ug/L	1.00	11/01/2000 22:15	
Xylene(s)	ND	0.50	ug/L	1.00	11/01/2000 22:15	
<b>Surrogate(s)</b>						
Trifluorotoluene	90.7	58-124	%	1.00	11/01/2000 22:15	
4-Bromofluorobenzene-FID	80.8	50-150	%	1.00	11/01/2000 22:15	

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Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8020  
8015M

Attn.: Bernie Dietz

Prep Method: 5030

Gas/BTEX

Sample ID: MW-7	Lab Sample ID: 2000-10-0601-002
Project: 208 Jackson St. / SNK	Received: 10/27/2000 14:20
Sampled: 10/27/2000 11:30	Extracted: 11/02/2000 08:50
Matrix: Water	QC-Batch: 2000/11/02-01.02

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	4700	250	ug/L	5.00	11/02/2000 08:50	
Benzene	600	2.5	ug/L	5.00	11/02/2000 08:50	
Toluene	190	2.5	ug/L	5.00	11/02/2000 08:50	
Ethyl benzene	230	2.5	ug/L	5.00	11/02/2000 08:50	
Xylene(s)	420	2.5	ug/L	5.00	11/02/2000 08:50	
<b>Surrogate(s)</b>						
Trifluorotoluene	104.8	58-124	%	1.00	11/02/2000 08:50	
4-Bromofluorobenzene-FID	82.2	50-150	%	1.00	11/02/2000 08:50	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8015M

8020

Attn.: Bernie Dietz

Prep Method: 5030

## Batch QC Report Gas/BTEX

Method Blank	Water	QC Batch # 2000/11/01-01.02
MB: 2000/11/01-01.02-001		Date Extracted: 11/01/2000 05:56

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	11/01/2000 05:56	
Benzene	ND	0.5	ug/L	11/01/2000 05:56	
Toluene	ND	0.5	ug/L	11/01/2000 05:56	
Ethyl benzene	ND	0.5	ug/L	11/01/2000 05:56	
Xylene(s)	ND	0.5	ug/L	11/01/2000 05:56	
<b>Surrogate(s)</b>					
Trifluorotoluene	81.6	58-124	%	11/01/2000 05:56	
4-Bromofluorobenzene-FID	82.8	50-150	%	11/01/2000 05:56	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8015M

8020

Attn.: Bernie Dietz

Prep Method: 5030

## Batch QC Report Gas/BTEX

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/11/02-01.02</b>
MB: 2000/11/02-01.02-001		Date Extracted: 11/02/2000 04:02

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	11/02/2000 04:02	
Benzene	ND	0.5	ug/L	11/02/2000 04:02	
Toluene	ND	0.5	ug/L	11/02/2000 04:02	
Ethyl benzene	ND	0.5	ug/L	11/02/2000 04:02	
Xylene(s)	ND	0.5	ug/L	11/02/2000 04:02	
<b>Surrogate(s)</b>					
Trifluorotoluene	81.8	58-124	%	11/02/2000 04:02	
4-Bromofluorobenzene-FID	80.2	50-150	%	11/02/2000 04:02	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

To: San Joaquin Company, Inc.

Test Method: 8015M  
8020

Attn: Bernie Dietz

Prep Method: 5030

**Batch QC Report**

Gas/BTEX

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 2000/11/01-01.02</b>
LCS: 2000/11/01-01.02-002	Extracted: 11/01/2000 06:27	Analyzed 11/01/2000 06:27
LCSD: 2000/11/01-01.02-003	Extracted: 11/01/2000 06:58	Analyzed 11/01/2000 06:58

Compound	Conc. [ ug/L ]		Exp.Conc. [ ug/L ]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	499	518	500	500	99.8	103.6	3.7	75-125	20		
Benzene	107	102	100.0	100.0	107.0	102.0	4.8	77-123	20		
Toluene	103	97.4	100.0	100.0	103.0	97.4	5.6	78-122	20		
Ethyl benzene	94.8	90.6	100.0	100.0	94.8	90.6	4.5	70-130	20		
Xylene(s)	274	264	300	300	91.3	88.0	3.7	75-125	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	440	403	500	500	88.0	80.6		58-124			
4-Bromofluorobenzene-FI	448	459	500	500	89.6	91.8		50-150			

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-10-0601

To: San Joaquin Company, Inc.

Test Method: 8015M  
8020

Attn: Bernie Dietz

Prep Method: 5030

## Batch QC Report

Gas/BTEX

### Laboratory Control Spike (LCS/LCSD)

Water

QC Batch # 2000/11/02-01.02

LCS: 2000/11/02-01.02-002

Extracted: 11/02/2000 04:33

Analyzed 11/02/2000 04:33

LCSD: 2000/11/02-01.02-003

Extracted: 11/02/2000 05:04

Analyzed 11/02/2000 05:04

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	489	499	500	500	97.8	99.8	2.0	75-125	20		
Benzene	112	99.7	100.0	100.0	112.0	99.7	11.6	77-123	20		
Toluene	106	95.4	100.0	100.0	106.0	95.4	10.5	78-122	20		
Ethyl benzene	97.7	89.7	100.0	100.0	97.7	89.7	8.5	70-130	20		
Xylene(s)	282	262	300	300	94.0	87.3	7.4	75-125	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	447	385	500	500	89.4	77.0		58-124			
4-Bromofluorobenzene-FI	437	439	500	500	87.4	87.8		50-150			

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To: San Joaquin Company, Inc.

Test Method: 8015M  
8020

Attn: Bernie Dietz

Prep Method: 5030

## Legend & Notes

Gas/BTEX

### Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

2000-10-0601

55437

THE SAN JOAQUIN COMPANY INC.

8617 Etcheverry Drive, Tracy, CA 95376  
Voice: (209) 832-2910 Fax: (209) 833-1288

1400 Solano Ave. No. 12, Albany CA. 94706  
Voice (510) 444-1216 Fax: (510) 444-1248

CHAIN OF CUSTODY /  
REQUEST FOR ANALYSIS  
RECORD

Project: 208 Jackson St SJK  
Project No.: \_\_\_\_\_  
Sampling Team: DIETZ / MILLER

Laboratory: Chromalab  
Carrier: San Joaquin Co. Inc.  
Waybill No.: \_\_\_\_\_

Sample No.	Type	Sampling Location	Date Sampled	Time Sampled	Analyses Requested	Lab. No.
MW-6	Water	208 Jackson St	10/27/00	11:00AM	GAS + BTEX, DIESEL MTBE BY 8260A	
MW-7	Water	208 Jackson St	10/27/00	11:30AM	GAS + BTEX, DIESEL MTBE BY 8260A	

Sample Hazards: gas/BTEX

Priority: Routine  Expedited  Special

Notes: \_\_\_\_\_

CUSTODY RECORD		Print Name	Company	Date Received	Time Received	Date Relinquished	Time Relinquished	Signature
Originator:		H.B. DIETZ	SJC Inc.	—	—	10/27/00	2:20 PM	H.B. Dietz
Received/ Relinquished by:								
Received/ Relinquished by:								
Received/ Relinquished by:								
Received at Laboratory by:		D. Harrington	Chromalab	10/27/00	1420	—	—	Denise Harrington