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

JUN 22 2001

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

3707

Date: June 20, 2001

Our Reference: 9401.114

Attn. Mr. Barney Chan

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

Dear Mr. Chan:

At the request of the property owner, SNK Development Inc., we transmit herewith a copy of our: *Semiannual Status and Groundwater-quality Monitoring Report, December 1, 2000 to May 31, 2001, 208 Jackson Street, Oakland, California.*

As can be seen in the data presented in the report, the concentrations of analytes of concern in the groundwater samples in the well located in the small unremediated area beneath the streets adjacent to the site have been on a downward trend over the last several groundwater-sampling rounds. Before we schedule the next semi-annual monitoring event, we would like to meet with you to discuss procedures for "closing" the site. I will call you to arrange a convenient meeting time.

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, December 1, 2000 to May 31, 2001, 208 Jackson Street, Oakland, California*

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

SEMIANNUAL STATUS AND GROUNDWATER-QUALITY MONITORING REPORT

DECEMBER 1, 2000 – MAY 31, 2001

208 Jackson Street, Oakland, California

Prepared for:

SNK DEVELOPMENT INC

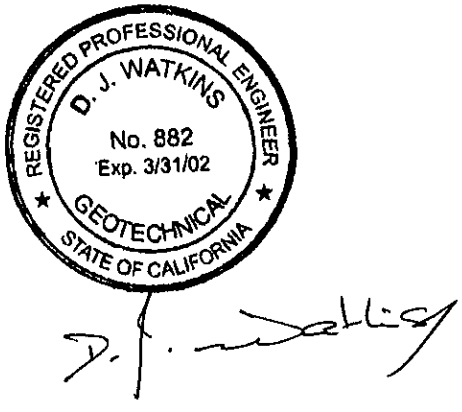
June 2001

Project No. 9401.114

TELEPHONE. OAKLAND, CALIFORNIA (510) 336-9118 TRACY, CALIFORNIA (209) 832-2910

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.



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 December 1, 2000 – May 31, 2001.

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

Sometime 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 Environmental Health Services (**ACEHS**), 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 ACEHS. (The San Joaquin Company Inc, 1998. Alameda County Health Care Services Agency, 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 ACEHS, the site was released for redevelopment on December 3, 1998. (Alameda County Health Care Services Agency, 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 ACEHS on November 22, 1999 (The San Joaquin Company 1999e). Following ACEHS 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 ACEHS representative. He requested that additional groundwater monitoring be conducted on a semi-annual schedule. Accordingly, rounds of groundwater sampling and analysis were conducted on April 20, 2000 and October 27, 2000 (The San Joaquin Company Inc, 2000b, 2000d). The most recent round of groundwater sampling and analysis was conducted on May 22, 2001 and is the subject of this report.

ACTIVITY DURING THE REPORTING PERIOD

Following is a summary of activity related to the subject site for the period from December 1, 2000 through May 31, 2001.

Groundwater-quality Monitoring

A round of groundwater sampling using monitoring wells MW-6 and MW-7 was conducted on May 22, 2001.

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. In the period between October 27, 2000 and May 22, 2001 it rose, on average, some 6.9 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. 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 observed on October 27, 2000. When Mr. Troy Wenck, the Superintendent for the construction of the high-rise building, was interviewed on May 22, 2001, he explained that de-watering on that site to permit construction of the basement had begun in August 2000 and had terminated in March 2001. That explains the fluctuation in the water table elevation in MW-6 and MW-7 observed over the period October 27, 2000 to May 22, 2001.

Groundwater Sample Recovery

After the depth to groundwater in each well had been measured, they were purged by pumping a minimum of five well volumes of water from each. 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. Each bailer 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 May 22, 2001 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 May 22, 2001 contained concentrations of TPHd of 60 μg/L. No detectable concentrations of the TPHg or the BTEX compounds were present. The concentration of MTBE was 11 μg/L.

Analyses of the sample of groundwater recovered from MW-7 on May 22, 2001 detected the presence of 750 μg/L of total petroleum hydrocarbons quantified as diesel, 1,100 μg/L of total petroleum hydrocarbons quantified as gasoline, benzene at 170 μg/L, toluene at 18 μg/L, ethyl benzene at 35 μg/L and total xylene polymers at 150 μg/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 May 22, 2001.

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 had been detected in the sample recovered from well MW-6 on April 26, 1999, although none - with the exception of a trace of xylene ~~polymers~~ isomers - 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 µg/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. As is shown in Table 2, by the May 22, 2001 sampling round, the concentration of TPHd had fallen to 86 µg/L. No detectable concentrations of TPHg or the BTEX compounds were present, and the concentration of MTBE in MW-6 had fallen to 11 µg/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). really?

The results from the analyses of the sample recovered from MW-7 on May 22, 2001 show that the petroleum hydrocarbons that were apparently introduced into that well during street re-paving operations in early 1999 are continuing to dissipate. The concentrations of THPd and TPHg had declined to 750 µg/L and 1,100 µg/L, respectively, with associated significant declines in the concentrations of the BTEX compounds.

Engineering Reports and Filings

During the reporting period, the following report was prepared and submitted to the ACEHS.

> *Semi-Annual Status and Groundwater-quality Monitoring Report, June 1, 2000 – November 30, 2000 - 208 Jackson Street, Oakland, California.* The San Joaquin Company Inc. December 2000.

WORK IN PROGRESS

The ACEHS had requested that groundwater-quality monitoring at the 208 Jackson Street site 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 SJC's opinion, the groundwater-quality data presented in Table 2 of this report indicate significant reduction in the concentrations of analytes of concern in groundwater samples from that well and the trends in the data are sufficient to consider formal closure. To that end, SJC will arrange for a meeting with the ACEHS to discuss the current status of the site and the procedures required to achieve such closure.

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 Erickson, 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. (2000d), *Semi-Annual Status and Groundwater-quality Monitoring Report, June 2000 – November 30, 2000 - 208 Jackson Street, Oakland, California.* December 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

Well No.	Date Measured	Casing Elevation MSL	Groundwater Depth in feet	Groundwater Elevation MSL
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
	05/22/01		5.27	0.36
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
	05/22/01		4.86	0.29

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
	05/22/01	86	ND	ND	ND	ND	ND	11
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
	05/22/01	750	1100	170	18	35	150	ND

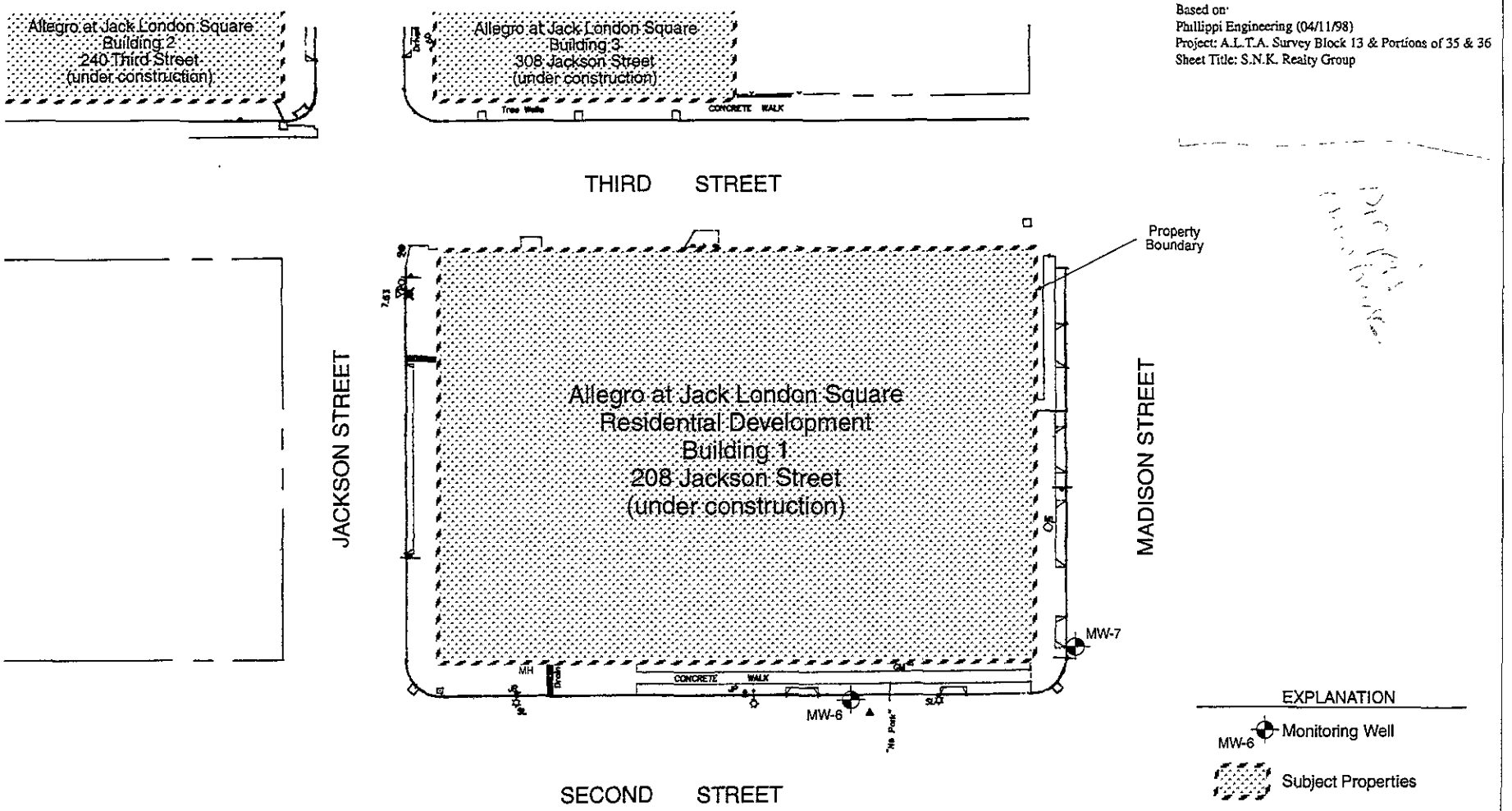
Notes: (1) ND = Not detected above the Method Detection Limit (MDL)
(2) n.a. = Not analyzed for this analyte

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



SITE PLAN - AUGUST 2000

208 Jackson Street, Oakland, California

FIG. 2	**The San Joaquin Company Inc.**	Project Number: 9401.114	
		Drawn by: GNM	Date: 06/13/01

APPENDIX A

Laboratory Certificates of Analysis

San Joaquin Company, Inc.
1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459

Attn.: Mr. Dai Watkins

Project: 9401.114
SNK-WOLEE

Dear Dai,

Attached is our report for your samples received on Tuesday May 22, 2001
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 July 6, 2001 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

Sincerely,

Gary Cook

Gary Cook

MTBE+BTEX by 8260B

San Joaquin Company, Inc.

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459

Attn: Dai Watkins

Phone: (510) 336-9118 Fax: (510) 336-9119

Project #: 9401.114

Project: SNK-WOLEE

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-6	Water	05/22/2001 11:15	1
MW-7	Water	05/22/2001 10:45	2

To: **San Joaquin Company, Inc.**
Attn.: Dai Watkins

Test Method: 8260B
Prep Method: 5030B

MTBE+BTEX by 8260B

Sample ID:	**MW-6**	Lab Sample ID:	**2001-05-0428-001**
Project:	9401.114 SNK-WOLEE	Received:	05/22/2001 13:35
		Extracted:	05/27/2001 20:25
Sampled:	05/22/2001 11:15	QC-Batch:	2001/05/27-02.27
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	11	5.0	ug/L	1.00	05/27/2001 20:25	
Surrogate(s)						
4-Bromofluorobenzene	110.4	86-115	%	1.00	05/27/2001 20:25	
1,2-Dichloroethane-d4	103.7	76-114	%	1.00	05/27/2001 20:25	
Toluene-d8	99.2	88-110	%	1.00	05/27/2001 20:25	

To: **San Joaquin Company, Inc.**
Attn.: Dai Watkins

Test Method: 8260B
Prep Method: 5030B

MTBE+BTEX by 8260B

Sample ID:	**MW-7**	Lab Sample ID:	**2001-05-0428-002**
Project:	9401.114 SNK-WOLEE	Received:	05/22/2001 13:35
		Extracted:	05/27/2001 20:54
Sampled:	05/22/2001 10:45	QC-Batch:	2001/05/27-02.27
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	05/27/2001 20:54	
Surrogate(s)						
4-Bromofluorobenzene	110.3	86-115	%	1.00	05/27/2001 20:54	
1,2-Dichloroethane-d4	100.7	76-114	%	1.00	05/27/2001 20:54	
Toluene-d8	98.2	88-110	%	1.00	05/27/2001 20:54	

To: **San Joaquin Company, Inc.**
Attn.: Dai Watkins

Test Method: 8260B
Prep Method: 5030B

Batch QC Report
MTBE+BTEX by 8260B

Method Blank | **Water** | **QC Batch # 2001/05/27-02.27**

MB: 2001/05/27-02.27-008 | Date Extracted: 05/27/2001 13:10

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	05/27/2001 13:10	
Surrogate(s)					
1,2-Dichloroethane-d4	104.4	76-114	%	05/27/2001 13:10	
Toluene-d8	99.0	88-110	%	05/27/2001 13:10	

To: **San Joaquin Company, Inc.**
Attn: Dal Watkins

Test Method: 8260B
Prep Method: 5030B

Batch QC Report

MTBE+BTEX by 8260B

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/27-02.27**

LCS: 2001/05/27-02.27-005 Extracted: 05/27/2001 11:41 Analyzed 05/27/2001 11:41
LCSD: 2001/05/27-02.27-006 Extracted: 05/27/2001 12:11 Analyzed 05/27/2001 12:11

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	27.5	27.0	25.0	25.0	110.0	108.0	1.8	65-165	20		
Surrogate(s)											
1,2-Dichloroethane-d4	553	563	500	500	110.6	112.6		76-114			
Toluene-d8	489	509	500	500	97.8	101.8		88-110			

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0428

Diesel

San Joaquin Company, Inc.

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459

Attn: Dai Watkins

Phone: (510) 336-9118 Fax: (510) 336-9119

Project #: 9401.114

Project: SNK-WOLEE

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-6	Water	05/22/2001 11:15	1
MW-7	Water	05/22/2001 10:45	2

To: **San Joaquin Company, Inc.**
Attn.: Dai Watkins

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

Diesel

Sample ID:	**MW-6**	Lab Sample ID:	**2001-05-0428-001**
Project:	9401.114 SNK-WOLEE	Received:	05/22/2001 13:35
		Extracted:	05/23/2001 16:48
Sampled:	05/22/2001 11:15	QC-Batch:	2001/05/23-07.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	86	50	ug/L	1.00	05/25/2001 14:35	ndp
Surrogate(s)						
o-Terphenyl	92.6	60-130	%	1.00	05/25/2001 14:35	

To: **San Joaquin Company, Inc.**
Attn.: Dai Watkins

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

Diesel

Sample ID:	**MW-7**	Lab Sample ID:	**2001-05-0428-002**
Project:	9401.114 SNK-WOLEE	Received:	05/22/2001 13:35
		Extracted:	05/23/2001 16:48
Sampled:	05/22/2001 10:45	QC-Batch:	2001/05/23-07.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	750	50	ug/L	1.00	05/26/2001 01:18	ndp
Surrogate(s)						
o-Terphenyl	95.9	60-130	%	1.00	05/26/2001 01:18	

To: **San Joaquin Company, Inc.**
Attn.: Dai Watkins

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

Batch QC Report
Diesel

Method Blank | **Water** | **QC Batch # 2001/05/23-07.10**

MB: 2001/05/23-07.10-001 | Date Extracted: 05/23/2001 16:48

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	05/25/2001 22:47	
Surrogate(s)					
o-Terphenyl	100.5	60-130	%	05/25/2001 22:47	

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

Attn: Dai Watkins

Test Method: 8015M

Prep Method: 3510/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/23-07.10**

LCS: 2001/05/23-07.10-002 Extracted: 05/23/2001 16:48 Analyzed 05/25/2001 21:31

LCSD: 2001/05/23-07.10-003 Extracted: 05/23/2001 16:48 Analyzed 05/25/2001 22:09

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	1110	1140	1250	1250	88.8	91.2	2.7	60-130	25		
Surrogate(s)											
o-Terphenyl	20.5	20.6	20.0	20.0	102.5	103.0		60-130			

To: **San Joaquin Company, Inc.**
Attn: Dai Watkins

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

Legend & Notes

Diesel

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Gas/BTEX

San Joaquin Company, Inc.

1120 Hollywood Ave, Suite 3
Oakland, CA 94602-1459

Attn: Dai Watkins

Phone: (510) 336-9118 Fax: (510) 336-9119

Project #: 9401.114

Project: SNK-WOLEE

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
MW-6	Water	05/22/2001 11:15	1
MW-7	Water	05/22/2001 10:45	2

STL ChromaLab

Environmental Services (CA 1094)

Submission #: 2001-05-0428

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

Attn.: Dai Watkins

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-6**	Lab Sample ID:	**2001-05-0428-001**
Project:	9401.114 SNK-WOLEE	Received:	05/22/2001 13:35
		Extracted:	05/29/2001 12:21
Sampled:	05/22/2001 11:15	QC-Batch:	2001/05/29-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	05/29/2001 12:21	
Benzene	ND	0.50	ug/L	1.00	05/29/2001 12:21	
Toluene	ND	0.50	ug/L	1.00	05/29/2001 12:21	
Ethyl benzene	ND	0.50	ug/L	1.00	05/29/2001 12:21	
Xylene(s)	ND	0.50	ug/L	1.00	05/29/2001 12:21	
Surrogate(s)						
Trifluorotoluene	121.6	58-124	%	1.00	05/29/2001 12:21	
4-Bromofluorobenzene-FID	96.1	50-150	%	1.00	05/29/2001 12:21	

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

Attn.: Dai Watkins

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**MW-7**	Lab Sample ID:	**2001-05-0428-002**
Project:	9401.114 SNK-WOLEE	Received:	05/22/2001 13:35
		Extracted:	05/29/2001 12:52
Sampled:	05/22/2001 10:45	QC-Batch:	2001/05/29-01.02
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1100	100	ug/L	2.00	05/29/2001 12:52	
Benzene	170	1.0	ug/L	2.00	05/29/2001 12:52	
Toluene	18	1.0	ug/L	2.00	05/29/2001 12:52	
Ethyl benzene	35	1.0	ug/L	2.00	05/29/2001 12:52	
Xylene(s)	150	1.0	ug/L	2.00	05/29/2001 12:52	
Surrogate(s)						
Trifluorotoluene	117.9	58-124	%	1.00	05/29/2001 12:52	
4-Bromofluorobenzene-FID	103.5	50-150	%	1.00	05/29/2001 12:52	

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

Attn.: Dai Watkins

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2001/05/29-01.02**

MB: 2001/05/29-01.02-003

Date Extracted: 05/29/2001 08:15

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	05/29/2001 08:15	
Benzene	ND	0.5	ug/L	05/29/2001 08:15	
Toluene	ND	0.5	ug/L	05/29/2001 08:15	
Ethyl benzene	ND	0.5	ug/L	05/29/2001 08:15	
Xylene(s)	ND	0.5	ug/L	05/29/2001 08:15	
Surrogate(s)					
Trifluorotoluene	123.7	58-124	%	05/29/2001 08:15	
4-Bromofluorobenzene-FID	98.5	50-150	%	05/29/2001 08:15	

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

Attn: Dai Watkins

Test Method: 8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/29-01.02**

LCS: 2001/05/29-01.02-004 Extracted: 05/29/2001 08:46 Analyzed 05/29/2001 08:46

LCSD: 2001/05/29-01.02-005 Extracted: 05/29/2001 09:18 Analyzed 05/29/2001 09:18

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	103	97.9	100.0	100.0	103.0	97.9	5.1	77-123	20		
Toluene	104	99.6	100.0	100.0	104.0	99.6	4.3	78-122	20		
Ethyl benzene	101	97.6	100.0	100.0	101.0	97.6	3.4	70-130	20		
Xylene(s)	290	280	300	300	96.7	93.3	3.6	75-125	20		
Surrogate(s)											
Trifluorotoluene	588	542	500	500	117.6	108.4		58-124			

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

Test Method: 8015M
8020

Attn: Dai Watkins

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/05/29-01.02**

LCS: 2001/05/29-01.02-006 Extracted: 05/29/2001 09:49 Analyzed 05/29/2001 09:49

LCSD: 2001/05/29-01.02-007 Extracted: 05/29/2001 10:20 Analyzed 05/29/2001 10:20

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	506	493	500	500	101.2	98.6	2.6	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-FI	540	524	500	500	108.0	104.8		50-150			

2001-05-0428 5941

THE SAN JOAQUIN COMPANY INC.

☐ 33233 South Koster Road, Tracy, CA 95304
Voice: (209) 832-2910 Fax: (209) 833-1288

☒ 1120 Hollywood Ave. No. 3, Oakland, CA 94602
Voice (510) 336-9118 Fax: (510) 336-9119

CHAIN OF CUSTODY / REQUEST FOR ANALYSIS RECORD

Project: SNK - WO LEE
Project No.: 9401.11 Project Mgr. D. JAMES
Sampling Team: HBD/DJW.

Laboratory: STL CHROMALAB INC.
Carrier: THE SAN JOAQUIN COMPANY INC.
Waybill No.: —

Sample No.	Type	Sampling Location	Date Sampled	Time Sampled	Analyses Requested	Lab. No.
MW-6	H_2O	MONITORING WELL MW-6	05/22/01	11:15AM	GAS + BTEX	
MW-7	H_2O	MONITORING WELL MW-7	05/22/01	10:45AM	DIESEL	
					MTBE by METHOD 8260A	
					TEMP = NA 4/HR	

Sample Hazards: GASOLINE AND DIESEL.

Priority: Routine ☒ Expedited ☐ Special ☐

Notes: —

CUSTODY RECORD	Print Name	Company	Date Received	Time Received	Date Relinquished	Time Relinquished	Signature
Originator:	BELINDA DIETZ	THE SAN JOAQUIN CO.	05/22/01	1335			
Received/ Relinquished by:	—						
Received/ Relinquished by:							
Received/ Relinquished by:							
Received at Laboratory by:	ROWLEY	STL-CL	05/22/01	1335	—	—	Chris Rowley