DEPARTMENT OF TRANSPORTATION

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December 15, 2000

STIP 6517 DH



Mr. Tom Peacock Alameda County Environmental Health Department 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Subject: Quarterly Groundwater Report for Vacant Parcel, located at the intersection of $6^{\rm th}$ and Castro Streets in Oakland, CA

Dear Mr. Peacock:

Enclosed please find a copy of the Fourth Quarter 2000 Groundwater Monitoring Report for the subject site. If there are any questions, please contact Jill Pollock (510) 286-5638.

Sincerely,

HARRY Y. YAHATA District Director

By: Jil Polrod

CELIA MCCUAIG District Branch Chief

Office of Environmental Engineering

Attachments

cc: CM, file, chron

FOURTH QUARTER 2000

SIXTH QUARTERLY GROUNDWATER MONITORING REPORT

TASK ORDER NUMBER 04-952137-ES CONTRACT NUMBER 43A0012

SIXTH AND CASTRO STREETS OAKLAND, CALIFORNIA

Prepared for

CALIFORNIA DEPARTMENT OF TRANSPORTATION
District 4
P.O. Box 23660
Oakland, California

Prepared by

Professional Service Industries 1320 West Winton Avenue Hayward, California 94545

(510) 785-1111

December 6, 2000 575-9G034

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STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATIONS

Information provided in Professional Services Industries, Inc., (PSI) report number 575-9G077 is intended exclusively for the California Department of Transportation (Caltrans) for the evaluation of groundwater contamination as it pertains to the subject site. PSI is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official view or policies of the State of California or the Federal Highway Administration. This report does not constitute a standard, specification, or regulation. The professional services provided have been performed in accordance with practices generally accepted by other geologists, hydrologists, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. As with all subsurface investigations, there is no guarantee that the work conducted will identify any or all sources or locations of contamination.

This report is issued with the understanding that Caltrans is responsible for ensuring that the information contained in this report is brought to the attention of the appropriate regulatory agency. This report has been reviewed by a geologist who is registered in the State of California and whose signature and license number appear below.

Frank R. Poss Senior Hydrogeologist Jeffrey Friedman, R.G. (5677) Senior Project Geologist

1.0 INTRODUCTION

This report summarizes the results of the Fourth Quarter 2000 groundwater monitoring activities conducted on November 16, 2000 at the intersection of 6th and Castro Streets located in Oakland, California. The subject site location is presented on Figure 1. The purpose of this project is to comply with quarterly sampling requirements for Alameda County Department of Environmental Health. This is the sixth quarter of groundwater monitoring conducted by PSI.

2.0 SITE HISTORY

The site is currently a vacant lot that is surrounded by Brush Street to the west, 7th Street to the north, Castro Street to the east, and 6th Street to the south. In 1987, ERM-West Consultants (ERM) conducted an environmental site assessment to identify any environmental concerns resulting from chemical hazardous waste generation at the site. Historical records searches indicated that the site has formerly been occupied by a number of businesses, most notably a gas station, an auto repair garage, Durham Farm Creamery, a machine shop, and a laundry facility. At least four underground storage tanks (USTs) were associated with the former gas station and dairy (IT, 1996). This service station was located at the intersection of 6th Street and Brush Street (Geocon, 1995).

ERM drilled seven soil borings at the site to collect soil samples for analyses. The results from the analyses of the soil samples identified up to 1.3 parts per million (ppm) ethylbenzene, 1.5 ppm toluene, and 7.9 ppm xylenes. The analytical results from groundwater samples collected during drilling had concentrations up to 0.5 ppb ethylbenzene, 0.3 ppb toluene, and 5 ppb total xylenes (ACHCSA, 1998).

In a 1995 investigation conducted by Geocon Environmental Consultants (Geocon), soil and groundwater samples were collected from seven additional locations. The results of the analyses of the soil samples identified up to 410 ppm lead and 8,000 ppm oil and grease. The results from two groundwater samples analyzed did not contain detectable concentrations of Total Petroleum Hydrocarbons as Gasoline (TPH-G); TPH as Diesel (TPH-D); and Benzene, Toluene, Ethylbenzene, and Total Xylenes (BTEX) (IT,1996).

In a 1996 investigation conducted by International Technology Corporation (IT), soil and groundwater samples were collected from 11 additional borings. The maximum concentration in the soil samples analyzed are presented below:

Total Petroleum Hydrocarbons as Gasoline (TPH-G)	1,100 ppm
Benzene	2.6 ppm
Toluene	34 ppm
Ethylbenzene	25 ppm
Total Xylenes	140 ppm
Total Lead	397 ppm

The maximum concentration in the four groundwater samples collected from the above referenced borings are the following:

Total Petroleum Hydrocarbons as Gasoline (TPH-G)	1,700 ppb
Benzene	51 ppb
Toluene	200 ppb
Ethylbenzene	59 ppb
Total Xylenes	290 ppb
1,2 Dichloroethane	5.4 ppb

In a 1999 investigation completed by PSI, soil and groundwater samples were collected from 11 additional borings and three groundwater monitoring wells were installed. The maximum concentration in the soil samples analyzed are presented below:

Total Petroleum Hydrocarbons as Gasoline (TPH-G)	600 ppm
Benzene	0.2 ppm
Toluene	3.7 ppm
Ethylbenzene	17 ppm
Total Xylenes	67 ppm
Total Lead	1,700 ppm

The maximum concentration in the 14 groundwater samples analyzed are the following:

Total Petroleum Hydrocarbons as Gasoline (TPH-G)	58,000 ppb
Benzene	3,900 ppb
Toluene	3,700 ppb
Ethylbenzene	14,000 ppb
Total Xylenes	12,000 ppb
1,2 Dichloroethane	160 ppb

The petroleum hydrocarbon impacted soil and groundwater was primarily found in the southwestern corner of the site.

3.0 GROUNDWATER MONITORING ACTIVITIES

3.1 GROUNDWATER ELEVATION AND HYDRAULIC GRADIENT

On November 16, 2000, static groundwater elevations were measured in wells MW-1, MW-2, and MW-3 (Figure 2). The groundwater depths were measured using a groundwater interface probe. The average groundwater elevation decreased 0.6 meters (2 feet) compared to last quarter. The decrease in groundwater elevation is probably due to seasonal effects.

A summary of the depth to groundwater data collected during this monitoring event and previous monitoring events is presented in Table 1. Based on the groundwater data, the inferred groundwater flow direction beneath the site is to the south with a hydraulic gradient of 0.01 (Figure 2). Other than the first quarter of groundwater sampling where the flow direction was to the east, the flow direction at the site has been to the south. The hydraulic gradient site at the site has ranged from 0.006 to 0.01 at the site.

3.2 GROUNDWATER SAMPLING

Groundwater samples were collected from monitoring wells MW-1, MW-2, and MW-3. A duplicate sample of MW-2 was obtained and labeled MW-10. Prior to the collection of groundwater samples, the monitoring wells were purged of a minimum of three well volumes of water until pH, conductivity, and temperature stabilized.

The following procedures for well monitoring, well purging, and water sampling were implemented while sampling the wells:

- 1. All equipment was washed prior to entering the well with an Alconox solution, followed by two tap water rinses and a deionized water rinse.
- 2. Prior to purging the wells, depth-to-water was measured using an Solinst groundwater interface probe to an accuracy of approximately 0.01 foot. The measurements were made to the top of the well casing on the north side.
- 3. Monitoring wells at the site were prepared for sampling by purging the well of approximately 3 well volumes of water using disposable Teflon bailers.
- 4. Water samples were collected with a single-use Teflon bailer. The water collected was immediately decanted into laboratory-supplied vials and bottles. The containers were overfilled, capped, labeled, and placed in a chilled cooler prior to delivery to the laboratory for analysis.

- Chain-of-custody procedures, including chain-of-custody forms, were used to document water sample handling and transport from collection to delivery to the laboratory for analyses.
- 6. Purged water was contained in a DOT approved 55-gallon drum. The drum was labeled with the contents, date, well number, client name, and project number.
- 7. Groundwater samples were delivered to the State-certified hazardous waste laboratory within 24-hours of collection.

The groundwater monitoring purge logs are presented in Appendix A.

3.3 LABORATORY ANALYSIS AND RESULTS

The groundwater samples were submitted for analyses to Centrum Analytical of Redlands, California, a State of California certified hazardous waste analytical laboratory. The samples were analyzed for the following:

- EPA Method 413.2 Total Oil & Grease (TOG)
- EPA 8015 modified TPH-G;
- EPA 8015 modified Total Petroleum Hydrocarbons as Diesel (TPH-D);
- EPA 8260 Volatile Organic Compounds (VOCs).
- EPA 6010 Soluble Lead.

A summary of the laboratory results for groundwater samples is presented in Table 2 and Table 3. A copy of the laboratory reports and chain of custody records are presented in Appendix B. The following are the results of the groundwater sampling:

- TOG was detected in Well MW-2 at 5.0 milligrams per liter (mg/L). This concentration is less than the previous sampling result of 8.8 mg/L in Well MW-2.
- TPH-G was detected in Well MW-2 at 25 mg/L. This concentration is less than the previous sampling result of 37 mg/L in Well MW-2.
- TPH-D was not detected in groundwater samples from the site this quarter. This is comparable to the previous sampling results.
- MTBE was not detected in groundwater samples from the site this quarter. This is comparable to the previous sampling results.

- Benzene was detected in Well MW-2 at 0.55 mg/L. This concentration is less than the previous sampling result of 0.70 mg/L in Well MW-2.
- Toluene (2,900 ug/L), ethylbenzene (1,500 ug/L) and total xylenes (11,000 ug/L), were
 detected in well MW-2 at concentrations lower than the previous sampling results.
- BTEX was not detected in the other groundwater samples. This is comparable to the previous sampling results.
- Concentrations of gasoline related compounds isopropylbenzene (46 ug/L), naphthalene (460 ug/L), n-propylbenzene (160 ug/L), 1,2,4 trimethylbenzene (1,200 ug/L), and 1,3,5 trimethylbenzene (390 ug/L) were detected in Well MW-2.
- 1,2 DCA (91 ug/L) was detected in MW-2 and was greater than the previous quarters result (69 ug/L). The common usage for this compound in a service station environment is as a brake and electrical parts cleaner or as an additive to leaded gasoline.
- Trichloroethene (TCE) was not detected in the groundwater samples. This is comparable to the previous sampling results. The common usage for this compound in a service station environment is as a brake and electrical parts cleaner.
- Soluble lead was not detected in the groundwater samples.

The State of California Primary Drinking Water Standards (PDWS) for benzene is 1 ug/L, toluene is 150 ug/L, ethylbenzene is 700 ug/L, total xylenes is 1,750 ug/L, TCE is 5 ug/L, and 1,2 DCA is 0.5 ug/L. The concentrations of BTEX and 1,2 DCA in the groundwater sample collected from Well MW-2 exceeded their respectable PDWS.

Figure 3 depicts the concentrations of benzene, 1,2 DCA, and TCE detected in monitoring well MW-2 with time. It is apparent from this figure that the 1,2 DCA concentration has stayed relatively constant and the benzene concentration has declined gradually with time. TCE was detected only once (Second Quarter 2000) and therefore the data is insufficient at this time to make a determination of the trend of the TCE concentration.

The fluctuations in the TPH and VOC concentrations in the previous quarters are probably due to seasonal fluctuations in the groundwater table.

4.0 SUMMARY AND CONCLUSIONS

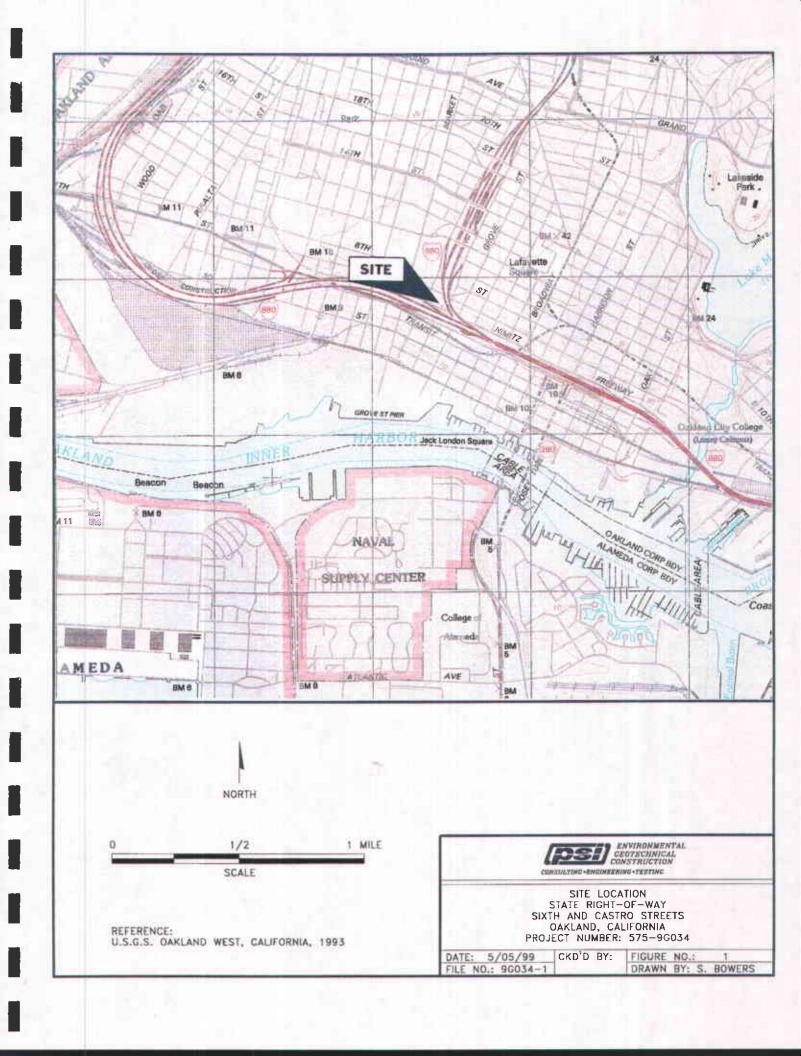
PSI performed a quarterly monitoring event on November 16, 2000. Groundwater samples were collected from the three monitoring wells with a duplicate obtained from MW-2 and labeled MW-10. Based on measurements collected and analytical data the following summary is provided.

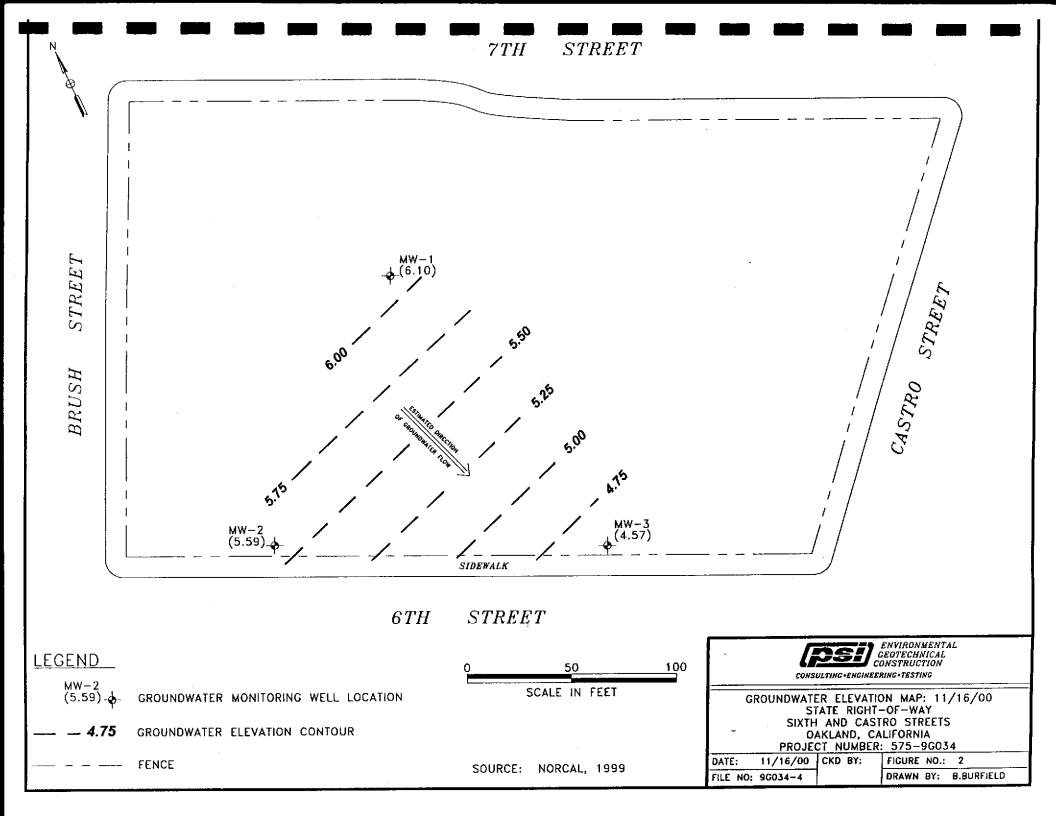
- Groundwater elevation data indicates the groundwater flow direction beneath the site is, towards the south, with a hydraulic gradient of 0.01 meter per meter (0.01 foot per foot). This is comparable to the previous three sampling events.
- Average groundwater elevations is approximately 0.6 meters (2 feet) lower than the average groundwater elevation measured for the previous sampling event.
- TPH-D was not detected in groundwater samples this quarter.
- TPH-G was detected in the sample collected from Well MW-2 (25 mg/l).
- BTEX concentrations were detected in the sample collected from well MW-2.
- BTEX concentrations were not detected in the other groundwater samples.
- The oxygenates MTBE, TBA, DIPE, ETBE, and TAME were not detected in the EPA Method 8260 analyses this quarter.
- Concentrations of the gasoline related compounds isopropylbenzene, naphthalene, n-Propylbenzene, 1,2,4 Trimethylbenzene and 1,3,5 Trimethylbenzene were detected in Well MW-2.
- 1,2 DCA was detected in MW-2 at 91 μg/l.
- The BTEX and 1,2 DCA concentrations in well MW-2 are above their respective State of California Primary Drinking Water Standards.
- Soluble lead was not detected in the groundwater samples.

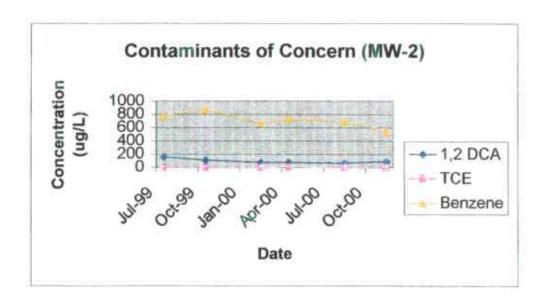
Based on five quarters of groundwater sampling, the following can be concluded.

- The groundwater flow direction at the site is to the south at a shallow gradient.
- A groundwater plume that exceeds the PDWS for numerous compounds associated with a gas station is present on the southwest corner of the subject property. The contaminated groundwater is likely due to historical use of this portion of the property as a gas station.
- Concentrations of the main COCs have decreased with time with the exception of 1,2 DCA.
- The extent of the groundwater plume has not been identified to the south and likely has migrated off of the site boundaries.

PSI recommends continued groundwater monitoring at the site and an off-site investigation to determine the extent of the groundwater plume to the south. Based on the lack of TPH-D concentrations in any of the groundwater samples during the past five quarters and lead being detected in only one sample during the past six quarters, PSI recommends that the quarterly sampling for these compounds be eliminated. Copies of this report should be provided to the appropriate regulatory agencies.









CONTAMINANTS OF CONCERN IN MW-2

STATE RIGHT-OF-WAY SIXTH AND CASTRO STREETS CARLAND, CALIFORNIA PROJECT HUMBER: 575-96034

DATE 3/4/00 FILE NO: 80034-3H

CKD BY: FIGURE NO: 3
DRAWN BY A. CENETANINGSCO

TABLE 1
SUMMARY OF GROUNDWATER ELEVATIONS
CALTRANS MAINTENANCE STATION
6TH AND CASTRO STREETS, OAKLAND, CA

SAMPLE NUMBER	DATE	GROUND SURFACE ELEVATION	WELL CASING ELEVATION	DEPTH TO GROUNDWATER	GROUNDWATER ELEVATION
MW-1	7/2/99	23.74	26.85	19.89	6.96
	10/25/99	23.74	26.85	19.71	7.14
	2/7/00	23.74	26.85	19.22	7.63
	4/27/00	23.74	26.85	17.71	9.14
	8/8/00	23.74	26.85	18.7	8.15
	11/16/00	23.74	26.85	20.75	6.10
MW-2	7/2/99	18.67	21.56	14.21	7.35
	10/25/99	18.67	21.56	15.38	6.18
	2/7/00	18.67	21.56	14.52	7.04
	4/27/00	18.67	21.56	13.51	8.05
	8/8/00	18.67	21.56	14.02	7.54
	11/16/00	18.67	21.56	15.97	5.59
MW-3	7/2/99	19.60	21.04	14.57	6.47
	10/25/99	19.60	21.04	15	6.04
	2/7/00	19.60	21.04	14.85	6.19
	4/27/00	19.60	21.04	13.33	7.71
	8/8/00	19.60	21.04	14.49	6.55
	11/16/00	19.60	21.04	16.47	4.57

NOTES:

All elevation and depth data presented in feet.

TABLE 2 SUMMARY OF GROUNDWATER ANALYTICAL DATA CALTRANS MAINTENANCE STATION 6TH CASTRO STREETS, OAKLAND, CA

	All concentrations in ug/l (PPB).											
SAMPLE NUMBER	DATE	OIL & GREASE	TPH-G	TPH-D	MTBE	Benzene	E-Benzene	Toluene	Xylenes	VOCs*	LEAD	
MW-1	7/2/99	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	ND*	<100	
:	10/25/99	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	ND*	<100	
	2/7/00	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	ND*	<100	
	4/27/00	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	0.9	<100	
	8/8/00	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	ND*	<15	
	11/9/00	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	ND*	<15	
MW-2	7/2/99	6,300	26,000	<4,000	<1	780	1,300	4,200	5,000	2,830	<100	
	10/25/99	4,400	33,000	<400	<50	880	1,800	4,300	4,800	2,490	<100	
	2/7/00	8,800	29,000	<400	<50	670	1,500	4,800	8,700	2,240	<100	
	4/27/00	10,000	56,000	<400	<50	740	2,500	5,200	11,000	4,150	<100	
	8/8/00	8,800	37,000	<400	<50	700	2,400	4,300	11,000	4,150	<15	
	11/9/00	5,000	25,000	<400	<50	550	1,500	2,900	7,100	2,247	<15	
MW-3	7/2/99	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	ND*	<100	
	10/25/99	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	ND*	<100	
	2/7/00	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	ND*	<100	
	4/27/00	<2,000	<500	<400	<1	<0.5	1.9	0.9	3.6	ND*	0.37	
	8/8/00	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	ND*	<15	
<u></u>	11/9/00	<2,000	<500	<400	<1	<0.5	<0.5	<0.5	<0.5	ND*	<15	

NOTES

Sample concentrations reported in ug/l (micrograms per liter).

TPH-G denotes Total Petroleum Hydrocarbons as Gasoline, TPH-D denotes Total Petroleum Hydrocarbons as Diesel.

MTBE denotes Methyl Tert Butyl Ether, E-Benzene denotes Ethylbenzene, VOCs* denotes Volatile Organic Compounds analyzed by EPA Method 8260.

ND denotes Not Detected, detection limit presented in parentheses.

ND* denotes all analytes included in EPA Method 8260 analyte list not presented on this table, Not Detected.

TABLE 3
SUMMARY OF VOC COMPOUNDS
CALTRANS MAINTENANCE STATION
6TH CASTRO STREETS, OAKLAND, CA

All concentrations in ug/l (PPB).

							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
SAMPLE NUMBER	^A .⊗ _⟨	Densene	ZzDC4	120CB	76	*	Naphthalene	oropy persene	ŤÇ _K	123 MA	?.3.5 MAR
MW-1	7/2/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	10/25/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/7/00	<0.5	<0.5	<0.5	< 0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	4/27/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9	<0.5	<0.5
	8/8/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/9/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2	7/2/99	<25	160	<25	60	<25	590	200	<25	1,400	420
	10/25/99	<25	110	<25	54	<25	600	170	<25	1,200	360
	2/7/00	<5	79	<5	44	<5	620	160	<5	1,100	320
	4/27/00	<25	78	15	77	28	1,100	270	9.1	2,000	570
	8/8/00	170	69	<25	74	<25	860	270	<25	1,900	550
	11/9/00	<25	91	<25	46	<25	460	160	<25	1,200	290
MW-3	7/2/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	10/25/99	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/7/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	4/27/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/8/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/9/00	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

NOTES

Sample concentrations reported in ug/l (microgram per liter).

1,2 DCA denotes 1,2 Dichloroethane; 1,2-DCP denotes 1,2-Dichloropropane; IPB denotes Isopropylbenzene; IPT denotes p-Isopropyltoluene

TCE denotes Trichloroethene; 1,2,4 TMB denotes 1,2,4 Trimethylbenzene; 1,3,5 TMB denotes 1,3,5 Trimethylbenzene,

<0.5 = Not detected at detection limit shown

FLUID MEASUREMENT FIELD DATA

							SHEET:	OF
DATE: 11 16	00	PROJECT NAME:	CALTRANS 61	+ CASTRO		PROJECT NO:	46034	
WATER LEVEL M	EASUREMENT IN	STRUMENT: 50		SERIAL NO:				
PRODUCT DETE	CTION INSTRUME			SERIAL NO:				
EQUIP. DECON:	ALCONO	X WASH DIST	FREE FINAL RINSE	☐ TAP WATER F	INAL RINSE			
☐ TAP WA	TER WASH	LIQUINOX WASH	🔚 DIST/DEIG	N 2 RINSE	OTHER SOLVENT	DIST/DEION	FINAL RINSE	☐ AIR DRY
WELL	GROUND	TOP OF	DEPTH TO	DEPTH TO	WELL	PRODUCT	WATER	ACTUAL
NUMBER	SURFACE	CASING	PRODUCT	WATER	DEPTH	THICKNESS	TABLE	TIME
	ELEVATION	ELEVATION	BELOW TOC	BELOW TOC	BELOW TOC		ELEVATION	
WM-1			<u> </u>	20,75	23.24		<u> </u>	0850
MW-2				15.97	22.42			
MN.3				16,47	~22.0			0854
			<u> </u>					
 -		-						
			·	-				
		<u> </u>						
i								
			<u>.</u>					
		-						
					i		1	
REMEMBER TO CO	DRRECT PRODUCT	THICKNESS FOR DEI	NSITY BEFORE CAL	CULATING WATER	TABLE ELEVATION	PREPARED BY:		

WELL PURGING AND SAMPLING DATA

		· · · · · · · · · · · · · · · · · · ·					WELL N	0: MW-1			
		<u> </u>		ALTRANS	6th+0	ASTRO	PROJEC	CT NO: 96-034			
WEATHE	R CONDITI	ONS: S	UNNY,	UARM							
WELL DIA	METER (IN	1.)	<u> </u>	2	□ 4	□ 6	OTHER		_		
SAMPLE :	TYPE:	GROUN	DWATER	☐ WAS1	TEWATER	SURI	ACE WATE	R OTHER			
WELL DE	WELL DEPTH (TOC) 23.24 FT. DEPTH TO WATER BEFORE PURGING (TOC) 20,75 FT										
LENGTH	LENGTH OF WATER 2.49 FT. CALCULATED ONE WELL VOLUME1: .42 GAL										
PURGING DEVICE: DEDICATED DISPOSABLE DECONTAMINATED											
SAMPLIN	G DEVICE:	<u> </u>			DEDIC	ATED	DISPOSA	BLE DECONTAM	MINATED		
=	ECON. CONOX WA	ASH	=	WASH EION 1 RINS EION 2 RINS	_			ANALYTE FREE FIN. DIST/DEION FINAL F NSE			
	ER PRESE		. —	PRESERVE	D FIELD	PRESERV	'ED				
WATER A		MODEL &	SERIAL NO	E MYR	on L a	602155					
ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP □°F □°C	SPECIFIC CONDUCT.	рН	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, CO	LOR, PID)		
0915	INITIAL	20.7	92%	7.61			CO				
0918	.6	20.0	374	7.29							
0920	1.0	19.8	908	7,25							
6922	1.5	19.7	930	7.32			+		-		
	· ···										
											
					· · · · · · · · · · · · · · · · · · ·						
DEBTU T	O WATER	AETED DU)()		CANADIT	 	Dyro Die sie	<u> </u>		
NOTES:	- WAIER	ACTER PU	IRGING (TO)() 	FT. SAMPLE 1	l <u></u>		YES NO SIZ			
1,0120.					DUPLICAT		975 TIME:	1D# MW-			
					EQUIP. BL		TIME:	ID#: ID#:			
<u></u>					PREPARE		I HVIC.	10#.			
									_		

¹ A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA PIPE

WELL PURGING AND SAMPLING DATA

							WELL N	10:	MW-2
DATE: 11	16/00	PROJECT	NAME: (ALTRAN	5 6th +0	ASTRO	PROJEC	CT NO:	96034
WEATHE	R CONDITI	ONS:					-		
WELL DIA	METER (IN	1.)	<u> </u>	2 2	<u> </u>	<u> </u>	OTHER		
SAMPLE	TYPE:	GROUN	DWATER	WAS	TEWATER	SURI	ACE WATE	R] отнек
WELL DE	PURGIN	IG (TOC) /5,97 FT.							
LENGTH OF WATER 6.45 FT. CALCULATED ONE WELL VOLUME ¹ : 1,09 GA									
PURGING DEVICE: DEDICATED DISPOSABLE DECONTAMINATED									
SAMPLIN	G DEVICE:				DEDIC	CATED .	DISPOSA	BLE _] DECONTAMINATED
	CONOX WA	ASH SH	DIST/DE	EION 1 RINS		TAP WATE	R FINAL RI	DIST/DI	TE FREE FINAL RINSE EION FINAL RINSE AIR DRY
					ON L 6				
ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP	SPECIFIC CONDUCT.	ρН	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	(EVIE	REMARKS DENT ODOR, COLOR, PID)
1010	INITIAL	19.5	782	679					
1015	<u>*</u>	20.3	818	6.65					
1018	3.0	205	869	6.62					
1026	5.0	19.8	947	alb					
1027	5.3	20.1	970	6.61					
				_					
	O WATER A	AFTER PU	RGING (TO)C)	FT.	L			NO SIZE
NOTES:					SAMPLE T				# MW-Z
					DUPLICAT			150 IC	#: MN-10
	·				EQUIP. BL		TIME:)#:
					PREPARE	DBY:	HRISI	MERI	RITT

¹A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA PIPE

WELL PURGING AND SAMPLING DATA

		·					WELL N	0: MW-3	
DATE: []	16/00	PROJEC	ΓNAME: (1ALTRAN	3 6th +C	AST RO	PROJEC	TNO: 96034	
WEATHER	CONDITI	ONS: 5	UNN4,00	106					
WELL DIA	METER (II	l.)	□ 1	2	□ 4	□ 6	OTHER		
SAMPLE 1	ΓΥΡΕ:	GROUN	DWATER	□ was	TEWATER	SUR	ACE WATE	R OTHER	
WELL DEI	РТН (ТОС)			FT	DEPTH	TO WATER	BEFORE P	PURGING (TOC) 16.47 F	
LENGTH OF WATER 5,53 FT. CALCULATED ONE WELL VOLUME1: , 94 GA									
PURGING	DEVICE:			<u> </u>	☐ DEDIC	CATED 4	DISPOSAE	BLE DECONTAMINATED	
SAMPLING	G DEVICE:	·			DEDIC	CATED 4	DISPOSA	BLE DECONTAMINATED	
Lic	ECON. CONOX WA QUINOX WA ER PRESE	ASH ASH	DIST/DE	VASH ION 1 RINS ION 2 RINS PRESERVE	E 🗍	TAP WATE	LVENT	ANALYTE FREE FINAL RINSE DIST/DEION FINAL RINSE ISE	
WATER A	NALYZER	MODEL &	SERIAL NO						
ACTUAL TIME (MIN)	CUMUL. VOLUME PURGED (GAL)	TEMP □ °F □ °C	SPECIFIC CONDUCT.	рΗ	DISS. OXYGEN	TURBIDITY (NTUs)	WATER APPEAR CL=CLEAR CO=CLOUDY TU=TURBID	REMARKS (EVIDENT ODOR, COLOR, PID)	
0948	INITIAL	19.2	562	7.58	:		CL		
0950	1.0	20.2	672	6.67			CO		
0953	2.0	20.2	576	657					
0955	3,0	20.2	587	6.53					
				:					
:					· ·				
					<u> </u>				
DEDT	DIMATES	A E T E D D :			<u> </u>	041-5 = =		7	
	J WATER .	AFTER PU	IRGING (TO)C)		!	ILTERED [
NOTES:					SAMPLE T	1	7 O O	1D# MW-3	
					DUPLICAT		TIME:	ID#:	
	. .				EQUIP. BL		TIME:	ID#:	
					NEFARE	DBT:			

A 1 FOOT LENGTH OF WATER = 0.05 GAL IN 1" DIA. PIPE 0.17 GAL IN 2" DIA PIPE 0.65 GAL IN 4" DIA PIPE 1.5 GAL IN 6" DIA PIPE



Centrum Analytical Laboratories, Inc.

CERTIFIED HAZARDOUS WASTE TESTING LABORATORY . CHEMICAL AND BIOLOGICAL ANALYSES

Client: PSI

1320 W. Winton Ave.

Hayward, CA 94545

Project: Caltrans 6th & Castro

Date Sampled:

11/16/00

Date Received:

11/17/00

Job Number:

17461

CASE NARRATIVE

The following information applies to samples which were received on 11/17/00

The samples were received at the laboratory chilled and sample containers were intact.

Unless otherwise noted below, the Quality Control acceptance criteria were met for all samples for every analysis requested.

R∕obert R. Clark, Ph.D. Laboratory Director

ELAP # 2419

DL: Detection Limit -- The lowest level at which the compound can reliably be detected under normal laboratory conditions.

ND. Not Detected -- The compound was analyzed for but was not found to be present at or above the detection limit.

NA : Not Analyzed -- Per client request, this analyte was not on the list of compounds to be analyzed for.

290 TENNESSEE STREET • REDLANDS, CA 92373 • (909) 798-9336 • FAX (909) 793-1559 • (800) 798-9336

PAGE.02 DEC 14 2000 15:25 9097931559



Lead by ICP

Client: PSI

Project: Caltrans 6th & Castro

Job No. 17461 Matrix Water Analyst: RLB Date Sampled: 11/16/00 Date Received: 11/17/00

Date Digested: 11/17/00 Date Analyzed: 11/21/00 Batch Number: 6010W 794

Method Number: 6010B

	Reporting Limit	Lead
Sample ID	mg/L	mg/L
Method Blank	0.020	No
MW-1	0,020	ND:
MW-2	0.020	
MW-3	0.020	ND
MVV-10	Ø020	No.
	×v×-	
දුරුදු (1) - 12 : (1)(අදිම්පාර සංකාල අතර (1000) අතර අතර අතර (1000) අතර (1000) දුරුව (1000) සංකාල අතර (1000) අතර (1000) අතර (1000)		ererese cerese serese serese de la company de la compa
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		A SA LEGISLO DE ENSEMBLE EN CENTROS EN GLACOSTA LOS DA PER
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		ennelen en meganismissionere autobasia alla medice. Vir
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		COLOR OF THE CONTROL
the property of the second sec		
		F0-F0-F1 JB JB 1888-54-58-58-58-78-78-78-78-78-78-78-78-78-78-78-78-78
The Appendix of the Control of the C	September 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

Page 2 of 15

(\$00) 798-9336

QC Sample Report - Metals

Matrix: Water

Batch #: 6010W1794

Batch Accuracy Results

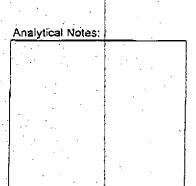
Sample ID: Laboratory Cor	ntrol Sample		<u></u>	
Compound	Spike Concentration mg/L	% Recovery LCS	Acceptance Limits % Recovery	Pass/Fail
Lead	1.0	104	75 - 125	Pass

Batch Precision Results

MS/MSD Sample ID: MW-1			<u></u>		
	Sample /ery mg/L	Duplicate very nig/L	ve Percent snce (RPD)	Control Limit	'ai
Compound	Spike Recov	Spike Recov	Relative P Difference	Upper RPD	Pass/
Lead	1.025	1.091	6%	20%	Pass

MS: Matrix Spike Sample
MSD: Matrix Spike Duplicate

Page 3 of 15



Analytical Notes:

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EPA 413.2 - Oil & Grease

Client: PSi

Project: Caltrans 6th & Castro

Job No. 17461 Matrix: Water Analyst: KS Date Sampled: 11/16/00

Date Received: 11/17/00 Date Extracted: 11/28/00 Date Analyzed: 11/28/00

Batch Number: 4132W1248

	Detection	Total
Sample ID	Detection Limit	Oil & Grease
Method Blank	mg/L 2.0	mg/L ND
MW-1	20	ND
₩w.z	20	\$.0
₩.3	2.0	ND
MV.10	20	
n dan kalandar da kabandar memori 1920-1933), wekan kebasakan da	#1870500001000 #############################	
		Control of the Contro
		Control of the Contro
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des retratações sidentes esperante tota podencia	en e	
n og skalle skallen er en		ewa kutulinin ka kaca ana waka na maka na kaca ana ana mi
	Sar angrunda er angga gar i ngga garungga, kangga garangga garangga ga ang	
And the second s	copped the control of	
	Standard restants runt 1 2000 and page 100 and	

Page 4 of 15

QC Report - EPA 413.2 Oil & Grease

Matrix: Water

Batch #. 4132W1248

Batch Accuracy Results

Sample ID: Laboratory Con			ন		
Analyte	Spike Concentration rng/Kg	% Recovery LC!	Acceptance Limits % Recovery	Pass/Fail	
Reference Oil	10	90	70 - 130	Pass	

Batch Precision Results

	nple mg/Kg	olicate mg/Kg	Percent æ (RPD)	ontrol Limit	
Analyte	Spike Sample Recovery mg/	Spike Duplicate Recovery mg/Kg	Relative Pe Difference	Upper Con RPD	Pass/Fait
Reference Oil	9.00	9.20	2%	25%	Pass

MS: Matrix Spike Sample
MSD: Matrix Spike Duplicate

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Analytical Notes

Analytical Notes:

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PAGE.06

Modified 8015 - Total Extractable Petroleum Hydrocarbons as Diesel

Client: PSI

Project: Caltrans 6th & Castro

Job No.: 17461 Matrix: Water Analyst: JB Date Sampled: 11/16/00 Date Received: 11/17/00

Date Extracted: 11/22/00
Date Analyzed: 11/25-26/00

Batch Number: 8015DW2074

	Detection Limit	Diesel	Surrogate (OTP)
Sample ID	mg/L	mg/L	Limit: 50 - 150%
Method Blank	0.40	NO	72 %
MW-1	0.40	ND	73 %
MW-2	0.40	ND	80 %
MW-3	0.40	ND	80 %
MW-10	0.40	ND	58 %
			\$ \$\$\$\$.24,556.666.666.650.000
i Prijadni i Herio Herio de estreti de distribi. I			AND THE RESIDENCE OF THE PROPERTY OF THE PROPE
e on 1990 i kalendari 1991 til pripa 2000 til bleve beske kalendari. F	where the first state of the st	নি কৰি এই এই জন্ম কৰিবলৈ চিট্টাৰিন নিজৰ নিজৰ প্ৰতিক্ৰাৰ কৰি	
	The state of the s	 A server of the first of the fi	MIDDS CINCERSON OF THE STATE OF THE SECOND
and the second s			\$ 100 Mark 1
			Company of the second s
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	Company of the Compan		
	gá filipeo céan partea na sa 1948 i library, agus a sa a 1948 i library.	er ene guióg po po dissigneros renegembero socialista.	Balance meneralis sistema kanala ali ali ali ali meneralis si

Page 6 of 15

QC Sample Report - EPA 8015M Diesel

Matrix: Water

Batch #: 8015DW2074

Batch Accuracy Results

Sample ID: Laboratory Control Sample

Spike Concentration

Spike Concentration

Wass/Fail

Analyte

Diesel

Diesel

O.8 91 70 - 130 Pass

Analytical Notes

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample

Recovery mg/L

Spike Sample

Recovery mg/L

Recovery mg/L

Recovery mg/L

Recovery mg/L

Oliference (RPD)

Analyte

Diesel

Diesel

Diesel

Diesel

MS: Matrix Spike Sample MSD: Matrix Spike Duplicate Analytical Notes:

Page 7 of 15

Pierre as Regued types

DEC 14 2000 15:28

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PAGE.08

Modified 8015 - Total Volatile Hydrocarbons as Gasoline

Client:

PSI

Project: Job No.:

Caltrans 6th & Castro

Matrix: Analyst;

Water

17461

¢Р

Date Sampled:

CENTRUM ANALYTICAL

11/16/00

Date Received:

11/17/00

Date Analyzed:

11/29-30/00

80 5GW2777 Batch Number.

	Detection	Petroleum Hydrocarbons :	15
Sample ID	Limit	Gasoline	
Method Blank	mg/L	mg/L	
	C	NP	
MW-1	0.5	ND	
MW-2	50	24	
MW-3	0,5	ND ND	
MW-to	50	32	
Processing and the second seco	interpretation of the second of the second second of the s	CORCOTO COM MANA NA PERCHESIO COM A LA CARRA	n in german ha santtan a
		A STATE OF THE STA	
eti 1840 - January en	n daga da 1915 de 1 mente 1 mente de 1915, qual de la compansa de 1916		
		Part of the second seco	

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QC Sample Report - EPA 8015M Gasoline

Matrix: Water

Batch #: 8015GW2777

Batch Accuracy Results

Analyte Gasoline	Spike o mg/L	102	8 & 8 % 70 - 130	Pass
	ke Concentration	lecovery LCS	Acceptance Limits % Recovery	ass/Fail

Analytical Notes

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample						
Analyte	Spike Sample Recovery mg/L		Relative Percent Difference (RPD)	Upper Control Limit RPD	Pass/Fail	
Sasoline	10.19	9.79	4%	25%	Pass	

MS: Matrix Spike Sample MSD: Matrix Spike Duplicate Analytical Notes:

Page 9 of 15

Pass

Sentrum (80p) 798-9336

EPA 8260 - Volatile Organics

Client:

PSI :

Project:

Caltrans 6th & Castro 17461

Job No.: Matrix

Water

Analyst:

JMŘ/JL

Date Sampled:

11/16/00

Date Received: 11/17/00

Date Analyzed: Batch Number:

11/24-29/00 MS28260W079

MS28260 V082

	Sample ID:	Blank	MW-1	MW-3		<u></u> .
Compounds	DL	μg/L	μg/L	μ g/ ಓ		
Acetane	50	ND	ND	ND		
tert-Amy Methyl Ether (TAN	ΛE): 5.0	ND	ND:	NO	(a) The contraction of the property of the contraction of the contr	de de la companya de
Benzene	0.5	ND.	ND	ND		
Bromotenzene	10	ND	NĐ	NO		
Bromochloromethane	1.0	ND	ND	ND		
Bromodichloromethane	0.5	NQ	· · ND	ND-	Complete and the Complete of t	
Bromoform	0.5	ND	ND.	ND		
Bromomethane	0.5	ND	ND	ND	ର ପି. ପୁରୁଷ୍ଟ ଅନ୍ତର୍ଶ କଥି । ଅନୁସ୍ଥିତ କଥି ବିହେ ଅନ୍ତର୍ଶ କଥି । ଅନ୍ତର୍ଶ କଥି । ଅନ୍ତର୍ଶ କଥି । ଅନ୍ତର୍ଶ କଥି । ଅନ୍ତର୍ଶ ଆଧାର ପ୍ରତ୍ୟୁତ୍ୟ ଅନ୍ତର୍ଶ କଥି । ଅନ୍ତର୍ଶ କଥ	
tert-Butanol (TBA)	10	ND	ND	ND		
2-Butanone (MEK)	20 10	ÎND.	ND	:::NÓ	নিক্ষা কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব	
n-Butylbenzene	0.5	ND	ND	ND		energy energy and the second
sec-Butylbenzene	0.5	NQ.	ND	* NO C	ierijas artinija in izvaja ja ja spasta in žizinizi sirieti šā kiri iš sāš ir etronoministi sai jaspējā ja siriej žijas ji popējā pro spiritus saisti sai etronoministi saisti jaspējā ja saisti	
tert-Butyibenzene	0.5	ND	ND	ND	احمد مردود المعارض المردود والمردود والمعارض المردود المردود المردود المردود المردود المردود المردود المردود ا	and the second of the second
Carbon distillade	10	ND	NO	nd î	and minimal standards in the property of the second of the	100.048
Carbon tetrachloride	0,5	ND	ND	ND.	gazine i i i i jiliya gazina dalah i i ilikara se ili	ad such that the date of
Chlorobenzene	0,5	ND	NO	ZZ ND	Andreas Commission of the Comm	
Chloroethane	0.5	ND	ND	ND	in common in an illustrational model follows a solution of	
Chlorotorm	0.5	סא	ND	ŊĎ	terre de la companya de la companya La companya de la companya del companya del companya de la companya de la companya de la companya del companya	្រុំ មុខមួយប្រាស់
Chloromethane	D.5	ND	ND	ND	The second second second processing and the second second second second second second second second second sec The second s	an watan ili Jama
2-Chlorotoluene	0.5	ุ ฟอี ::	NO	ND	The set of the day was referred in appropriately for the set of th	19.13.12.11 . T. S
4-Chlorotoluene	D:5	ND	ND	ND		are conservation from
Dibromochloromethane	0.5	ND	· · · NO	ND.	Chapter St. C. Chapter & Cong. Continuing Chapter St.	
1,2-Dibromoethane	0.5	ND	ND	ND	saturita di gilia "grigori, kapagan aktrishking angan kasishkati."	toda itsa bis. M
1,2-Dibromo-3-chloropropai	en al consecuence of the second	ND	::NO	::ND	personal and the first regular of policies of several several several and operation of the several sev	
Dibromomethane	0,5	ND	ND	· ND	alana - er autorius sur sõituset haa aakka (2)	90025-313-3110-3
1,2-Dichlorobenzene	0.5	ND	ŅŌ	ND	William promise data transcription and selected	
1,3-Dichlorobenzene	0,5 %	ND	ND	ND `		Bad destituru sandur ru
n≱-Dichlorobenzene	:05	ND	NO	NO	त्रकृतिकृति । वे वेक्ष्र तृत्यकृतिकृतिकृति विकास विकास । इति वे वे वेद्रिया विकास । विकास विकास । विकास । विकास ।	
Dichlorodifluoromethane	0.5	,ND	ND	ND	namana ar ar mga gaga sawa ngasar sa	i Iggigano officio
್ವೇ-Dichloroefnane		ND	NO	ND	के के बच्च के महिला का बच्चे के किया के का का किया के किया है। जिल्हा के बच्चे के बच्चे के बच्चे के बच्चे के क का को के किया किया की किया के किया के किया के बच्चे के ब	
1,2-Dichloroethane	0,5	ND	ND	ND ND	And the first state of the stat	in, da atam ili ili ili ili ili ili ili ili ili il
1,1-Dichloroethene	1 05	ND	ND	网络拉拉萨拉拉马马拉克 化电池电池	energy to the black of the boundary of the control of the boundary of the boun	
cis-1,2-Dichloroethene	0.5	ND	ND	ND		والمراجع المراجع
trans-1, 2-Olchloroethene	111111195	ND	ND	ND (Turned 1
1,2-Dichloropropane	0,5	ND	ND	ND	an ann ainm a' mh-aig an aig an air an air an an an an an an an air an air a' bha bha bha bha bha bha bha bha b Marta a bha an an air an a	
1,3-Dichioropropane	.05.	ND	ND.	AD ND		
2,2-Dichloropropane	0,5	ND	ND ND:	ND ND	। এই বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্র বিশ্ব বিশ্র	
1,1-Dichloropropene	0.5	NÓ	NU	, and N≥		800.0 4 8 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.

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EPA 8260 - Volatile Organics.

Client: PSI Project. Caltrains 6th & Castro

17461 Joo No.: Matrix: Water Analyst: JMR/JL

11/15/00 Date Sampled: 11/17/00 Date Received: 11/24-29/00 Date Analyzed: MS28260(V079

Batch Number:

MS28260W082

	Sample ID:	Blank	MW-1	E-WM		
Compounds	DL	μg/L	μg/L	μg/L		
cis-1,3-Dichloropropene	0.5	ND	ND	ND	The second secon	restatable to the state of the
trans-1,3-Dichloropropene	0.5	ND	NĎ	· ND	प्रविद्यानिक विद्यालया । यह प्रकृति के विद्यान विद्यान विद्यान । यह विद्यान विद्यान विद्यान विद्यान विद्यान वि विद्यान विद्यान विद्यान के प्रकृति के विद्यान विद्यान विद्यान विद्यान विद्यान विद्यान विद्यान विद्यान विद्यान व विद्यान विद्यान विद्या	
Dilsopropyl Ether (DIPE)	5.0	ND	ND	ND	en antigen and a second state and a second s	amilia de locarare
Ethylbenzene		ND:	ND	ND	ကရာကို မေတြကို ရေးသည်။ အထုံးသည် မေတြကို သည် မြို့သို့ မြို့သည်။ မြို့သည်။ လူတိုင်းမေတြကောင်း လူတို့ သည် သည် မေတြကို မြို့သည်။ လူတိုင်းမေတြကို ကြောင်းတို့သည် မေတြကို လူတိုင်းမေတြကို မေတြကို မေတြကို မေတြကို မေတြကို မေတြကို မေတြကို မေတြကို	
Ethyl tert-Butyl Ether (EtBE)	5.0	ND	ND	ДN	ener to the territoria to the education of the second account of t	u saarata oo maa
Hexachlorobutadiene	0.5	ND	. LIND	. ND	ant of protecting an injury of energy of the art translation of a subject to find a	
2-Hexanone	10	ND	ND	ND	na i Norde i na lepaperentative de la compania de la	lange in Ma
isopropylaenzene	0.5	MD	, NO	ND	ကြောင့် သို့ ရေရောက်သေးသည်။ သို့ သို့သည်။ မေသည် သည် သည် သည် သည် သို့ သို့ သို့ သို့ သို့ သို့ သို့ သို့	
p-isopropyltoluene	0.5	ND	ND	ND	a succession and the first at the first section of the section of	
Methylene chloride	20 20 50	ביים(עייי	ND 77	ND:		PE 12
4-Methyl-2-pentanone	5,0	ND	ŃD	ND	in the second section of the second s	s databan se M
Methyl-tert-butyl ether (MtB)	É). 1.0	ND	ND	MP.	Strains, it die Arther Africa (Arther Golden) in der Arther (Arther Arther Arther Arther (Arther Arther Arther De Arther (Arther Arther Arther Arther Arther (Arther Arther Arther Arther Arther Arther Arther Arther Arther Arther Arther (Arther Arther Arth	
Napthalene	2.0	ND	ND	ND	www.comencer.accommon to the common	gradi system e di
n-Propylbenzene	0.5	. ND		NO.	enge de la complete d	
Styrene	0.5	ND	ND	ND	ernen i senagajungan dilikum dalah kalikan di	l Ottopo milija i milih i vij
1.1.1,2-Tetrachloroethane	0.5	ND	NDY'	ND .	ကြောင့်သော သည် ကိုလိုက်ခြင်းသည်။ ကိုလိုက်ချင်းသည်။ အချစ်သည်။ ကို သည် ကို သင်းသည် သည်သောကရှိသည် ရှိသည် သည် သည် သည်သည်။ လူတွေ ကို သည် သည် သည်သည် သည် သည်သည် သည် သည်သည်။ လူတွေ ကို သည် သည်သည် သည် သည် သည်သည် သည် သည်သည်။	Marin (Sir
1,1,2,2-Tetrachloroethane	1.0	ND	ND .	ND	alla de la la la superiore de recipio	Profil on Astronomic Long
Tetrachlotoethene	0.5	ND	ND:	ND	Production and the second of t	
Toluene	0.5	ND	ND	ND	Anna and Albanda Salaka and Albanda an	i Osabaran baran
1,2.3-Trichlorobenzene	20	NO.	ND	ND.	populated in the property of t	
1,2,4-Trichlorobenzene	2.0	ND	ND	ND	o y mongrada i navonapanja asalikila i dalikila ka	
1,1 1-Trichloroethane	0.5	NO	NO 3	ND	The state of the s	
1,1,2-Trichloroethane	0.5	ND	ND ·	ŅD	i. Ling i gang ngaranga sasa pagasa melawikan	Para in the interest
Trichloroethene	0:5	ND	ND	ND.		
1,2,3-Trichloropropane	0.5	ND	· ND	ND		de anere en la bade.
Trichlorofluoromethane	0 5	ND	NP	ND:	Art Hart of California (1971) (1974) Service of the control of the service of the control of the	
Trichlorotrifluoroethane	5.0	ND	ND	ND	na arrana da dan manakana da kabibili da d	}
1,2 4-Trimethy benzene	0,5	ND	ND:	NP	en para mengangan sebenghabah dalam dalam bang dan berdah beranda perbadah banda dan beranda dalam dan perbadah beranda beranda dan beranda dalam dalam dalam beranda dalam beranda dalam beranda dalam beranda d	Maria en Giller
1,3,5-Trimethylbenzena	0.5	ND	ND	ND		Degetaria
Vmyl chloride:	0.5	NO	IIII ND	N D		portuguis (S. S. S. S.
Xylenes, m-,p-	1.0	מא	: ND	ND:	en e	gran ilikaringa
Xylane, o-	0,5	ND	ON	. ND		

Surrogates (% recovery) Limits: 80 - 130

	Sample ID:	Blank	MW-1	MW-3		(*** ₁ ,.,,,,,,,,,,
Dibromoflubromethane	The March States States As a second of the s	102	104	104	ক্ষাক্ষাক্ষাক্ষা হয়। এই		
Talesana 40 1		101	.97	143)	
Bromofluorobenzene	The secretary of the second se	101	98	97:			C Berrygon de Di ungene

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EPA 8260 - Volatile Organics

Client: PSI

Project: Caltrans 6th & Castro

Job No.: 17461 Matrix: Water Analyst: JMR/JL Date Sampled: 11/16/00 Date Received: 11/17/00 Date Analyzed: 11/24-29/00 Batch Number: MS28260/W079

MS28260W082

Acetone 2500 ND ND							3.
Acetone 2500 ND ND			MW-2	MW-10			
Server S	Compounds				<u></u>		
Semination Sem	Acetone	and the second s				and the second second second	
Spannobenzerie	tert-Amyl Methyl Ether (TA	an and CIX is described as the extremely	ND	NO		Provide the provid	
Promochloromethane 25	Benzene					en de la compania de	
Second S	Bromobenzene.		ND:		ina againn an t-bhail Rein Rhaill Raid Bhail Bhail Ceann again a' Rhaill an Aontail Ann Aontainn An Ceann again an Rhaill an Aontain Ann Aontainn Ann Airean	and the complete of the first part of the country of the con- part of the confidence of the control of the country of the country of the control of the country of the coun	
Stromoform 25	Bromochloromethane				and the second of the second o	en de la compensación de compensación de la compens	Jan Karasan Kan
Promomethane 25	· · · · · · · · · · · · · · · · · · ·	aren heri alaksi di artamasi persendigi ali internite are a demokr	ND	tere de de la final de la facilitation de la constant de la consta	କ୍ଷାପ୍ତ । ଏହି । ଏହି ବ୍ୟୁଷ୍ଟି । ଅନ୍ତର୍ଶ । ଆଧାର ଓଡ଼ିଆ । ଏହି ବ୍ୟୁଷ୍ଟି । ଅନ୍ତର୍ଶ । ଅନ୍ତର୍ଶ । ଅନ୍ତର୍ଶ । ଅନ୍ତର୍ଶ । ଆଧାର ଓଡ଼ିଆ । ଏହି ବ୍ୟୁଷ୍ଟି । ଅନ୍ତର୍ଶ । ଅନ	ા કુકાર કિફો ફ્રોલ વાલાના કારો એક કિકારના કર્યા છે. જુ તે કોઈ પૂર્વ કર્યા મામણ ફ્રોલ કાર્યા કરવા કર્યા છે. તું ફ્રોલ કુકો કે સ્ટારના જેવા પ્રસાદ કર્યા કર્યા છે.	
September Sept					and a contract of the second	en grande grand de la seguita de grande.	i I managa da a sa
2-Butanone (MEK) 500 ND	Bromomethane	25	ND :	ŅĐ			
ND	tert-Butanol (TBA)						
Sec. Buty benzene	2-Butarione (MEK)	the control of many and an extendent and Manager and Control of	and the control of th		e de la graph marie de la companya de la companya La companya de la co La companya de la co	का में के देखते हैं वह किया के स्टिक्टिक के सामन की र या प्रक्रिक के प्रिकृति के सामन के किया है जा की राज्य या प्रकृति के किया किया है किया है किया है किया है किया	
Part	n-Butylbenzene					en in deel eer van die eerste eer in die s	
Carbon distrible 500 ND ND Carbon tetrachloride 25 ND ND Chlorobenzeria 25 ND ND Chlorofethane 25 ND ND Chloroformi 25 ND ND Chlorotoluene 25 ND ND 2-Enforotoluene 25 ND ND 2-Chlorotoluene 25 ND ND 1-2-Dibromoethane 25 ND ND 1-2-Dibromoethane 25 ND ND 1-2-Dibromoethane 25 ND ND 1-2-Dibromoethane 25 ND ND 1-2-Dichlorobenzane 25 ND ND 1-3-Dichlorobenzane 25 ND ND 1-2-Dichlorosthane 25 ND ND 1-2-Dichlorosthane 25 ND ND 1-2-Dichlorosthene 25 ND ND 1-2-Dichlorosthene 25 ND ND	Mark the state of	oranis kolinis da 📆 Šakisas ok oranis kolinis da 🎜 Šakis okoli oranis kolinis da 📆 Šakis okolinis	ND	ESS SND	८ व तक्ष्म १६, १०० व्यवस्थ व व्यवस्थ वर्षात्रकात्रीयः १ व व व्यवस्थ ११, व्यवस्थात्रकात्रीः व्यव स्थितव्यक्षात्रस्य १ व्यवस्थानम्बद्धाः	ा क्षित्र के किया के किया ने किया के किया किया है। या कार्य की किया की कार्य की किया की	
Carbon tetrachloride 25 ND ND Chloroethane 25 ND ND Chloroethane 25 ND ND Chlorofoluene 25 ND ND Chlorotoluene 25 ND ND 24-Chlorotoluene 25 ND ND 24-Chlorotoluene 25 ND ND 24-Chlorotoluene 25 ND ND 24-Chlorotoluene 25 ND ND 25-Chlorotoluene 25 ND ND 26-Chlorotoluene 25 ND ND 1,2-Dibromoethane 25 ND ND 1,2-Dibromoethane 25 ND ND 1,3-Dichlorothane 25 ND ND 1,4-Dichloroethane 25 ND ND 1,2-Dichloroethane 25 ND ND 1,2-Dichloroethane 25 ND ND 1,2-Dichloroethene 25 ND ND	lander and an interest of the second				and a second control of the control	and a company of the control of the	Juganista salah
Chloroethane 25 ND ND ND	digas li segi as pri projekti li di se se a secretari deservas pri terefectori este este di si se se di a	esta sensita a selentificação do de la respectiva de la filos de citados.	, Teacher, and German are secured to the administration of	landa ogil alikiti it igiliko och :	A property of the second secon	ক্ষাৰ প্ৰতিয়াৰ কৰিব কৰা কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব কৰিব	
Chloroform	Carbon tetrachloride		· · · · · ·			e ja in op op en en groenen were gevinnenden in here en groen	en er en
Chloroform 25 ND ND Chloromethane 25 ND ND 2-Schlorofoluene 25 ND ND 4-Chlorotoluene 25 ND ND 4-Chloromethane 25 ND ND 1,2-Dibromoethane 25 ND ND 1,2-Dibromoethane 25 ND ND 1,2-Dibromoethane 25 ND ND 1,2-Dichlorobenzene 25 ND ND 1,3-Dichlorobenzene 25 ND ND 1,4-Dichlorobenzene 25 ND ND 1,2-Dichlorobenzene 25 ND ND <td>and the second responsible to the second second</td> <td>ମହୁନ୍ତ ବିଶ୍ୱି ପ୍ରତିବର୍ତ୍ତ । ଏହା ବିହ୍ୟୁ ହେ<mark>ତ୍ତ ହେଉଛି ଅବସ୍ଥାନ । ଏହା ଅବସ୍ଥା</mark></td> <td>ND</td> <td>cate in the property of the second of the</td> <td>Pauge que la principa de la partir de la filipe de la companya de la filipe de la companya de la companya de l La companya de la companya del companya de la companya de la companya del companya de la companya del la companya de la companya del la companya de la companya del la companya de la companya de la companya de la companya de la companya del la companya de la companya de la companya del la companya de</td> <td>naga da Santa Bandara Bandara da Maria Maria Bandara - Order Santa Bandara da Bandara da Maria Bandara - Order Gardara da Maria Bandara da Maria</td> <td></td>	and the second responsible to the second	ମହୁନ୍ତ ବିଶ୍ୱି ପ୍ରତିବର୍ତ୍ତ । ଏହା ବିହ୍ୟୁ ହେ <mark>ତ୍ତ ହେଉଛି ଅବସ୍ଥାନ । ଏହା ଅବସ୍ଥା</mark>	ND	cate in the property of the second of the	Pauge que la principa de la partir de la filipe de la companya de la filipe de la companya de la companya de l La companya de la companya del companya de la companya de la companya del companya de la companya del la companya de la companya del la companya de la companya del la companya de la companya de la companya de la companya de la companya del la companya de la companya de la companya del la companya de	naga da Santa Bandara Bandara da Maria Maria Bandara - Order Santa Bandara da Bandara da Maria Bandara - Order Gardara da Maria Bandara da Maria	
Chloromethane					and the second second second	kalanda Amerikansa (n. 1919).	di maria
25 ND ND 4-Chlorotoluene 25 ND ND Dibromochloromethane 25 ND ND 1,2-DibromocHane 25 ND ND 1,2-DibromocHane 25 ND ND 1,2-DibromocHane 25 ND ND 1,2-DibromocHane 25 ND ND 1,2-Dichlorobenzene 25 ND ND 1,3-Dichlorobenzene 25 ND ND 1,4-Dichlorobenzene 25 ND ND 1,4-Dichloroethane 25 ND ND 1,1-Dichloroethane 25 ND ND 1,1-Dichloroethane 25 ND ND 1,2-Dichloroethane 25 ND ND	Chloroform	e de de se en de caracter de caracter de	ana sari diki indi Kabibata		and special processing and and description of the special process of		
A-Chlorotoluene	Chloromethane				e, a contra con la casa con el contra de la c	en e	Access to the second
Dibromochloromethane	ALC: ALC: PERSON OF THE SECTION OF T		and the second section of	Carrier of the second second	Baraha ya Kasa a san sa baka a sa Baraha wa Maraha I da san sa baka a	ିଆ । ପ୍ରତ୍ତିକ ଓ ବହିନ୍ଦି ବହିନ୍ଦି । ଅନୁକ୍ର ଓ ଅନ୍ତର୍ଶ କରିଥିଲି । ଆଧାର ଓ ପ୍ରତ୍ତିକ ପ୍ରତ୍ତିକ ଓ ଅନିସ୍ତର ହେଉଛି । ଅନ୍ତର୍ଶ କରିଥିଲି । ଆଧାର ଓ ଜଣ୍ଡ ଓଡ଼ିଆ ଓ ଜଣ୍ଡ ଓଡ଼ିଆ ଓଡ଼ିଆ । ଅନ୍ତର୍ଶ କରିଥିଲି ।	
1,2-Dibromoethane 25 ND ND 1,2-Dibromo-3-chiforopropane 500 ND ND Dibromomethane 25 ND ND 1,2-Dichlorobenzene 25 ND ND 1,3-Dichlorobenzene 25 ND ND 1,4-Dichlorobenzene 25 ND ND 1,2-Dichlorobenzene 25 ND ND 1,2-Dichlorobenzene 25 ND ND 1,2-Dichlorobenzene 25 ND ND 1,2-Dichlorobene 25 ND ND 1,2-Dichlorobene 25 ND ND 1,2-Dichlorobene 25 ND ND 1,2-Dichlorobene 25 ND ND 1,2-Dichloropropane 25 ND ND 1,2-Dichloropropane 25 ND ND 2,2-Dichloropropane 25 ND ND					en la la companya de	en e	i erekti. en
2-Dibromo 3-chloropropane 590 MD ND 2-Dichlorobenzane 25 ND ND 1-Dichlorobenzane 25 ND ND 1-Dichlorodifluoromethane 25 ND ND 1-Dichloroethane 25 ND ND 1-Dichloroptopane 25 ND ND 1-Dichloropropane 25 ND ND	The second control of the control of	debug application of highlighter and in the section	al principal delegant with a medical con-	化二硫磺酰化合物物合 机电量部	er generative en opget open oppfret til ette fillet en open op goden og videt blede til ette foret blede en om et en generative en oppfret en open open open open op	er inne stade fra en	k faliki 20
Dibromomethane	land and a section becomes a great advisor and					The death of painting of the Audiensia	Nama di James - Ann
2-Dichlorobenzene	The State of the Control of the Cont	ane 500	Line of the production of the co	and a become a bleeder of the	in the control of the		
1,3-Dichlorobenzene 25 ND ND 14-Dichlorodifluoromethane 25 ND ND 11-Dichlorodifluoromethane 25 ND ND 1,2-Dichloroethane 25 ND ND 1,2-Dichloroethane 25 ND ND 1,2-Dichloroethene 25 ND ND Diss-1,2-Dichloroethene 25 ND ND Tans-1;2-Dichloroethene 25 ND ND 1,2-Dichloropropane 25 ND ND	Dibromomethane				The state of the s	en en en anacement de la abad latte da atteit de bade at billion	Name a romani na namenana
14-Dichlorodifluoromethane	ti negati neg	25	. NO	. CAND	and the second s	The second secon	
12-Dichloroethane	1,3-Dichlorobenzene					ing and the second of the seco	
1-Dichioroethame	1:4-Dichlarabenzene	25	art and a service production			and the second s	
1,2-Dichloroethane 25 91 76 1,1-Dichloroethene 25 ND ND cis-1,2-Dichloroethene 25 ND ND rans-1;2-Dichloroethene 25 ND ND 1,2-Dichloropropane 25 ND ND 1,3-Dichloropropane 25 ND ND 2,2-Dichloropropane 25 ND ND			1			range and consequences a series is accome.	ali un caderno del
1-Dichigroethene	renelacione da como para en restala de proposar a propieta a la como como como como como como como com	er (militar) er som til til der Militaria program (st. 1909).	ak ertedektikisketistik e	and section of the section of the		ক্ষিত্ৰ বিশ্বস্থা কৰিছে কৰিছে কৰা ক্ষেত্ৰ কৰিছে কৰ কৰিছে কৰিছে কৰি কেন্দ্ৰ কৰিছে	
cis-1,2-Dichloroethene 25 ND ND rans-1;2-Dichloroethene 25 ND ND 1,2-Dichloropropane 25 ND ND 1,3-Dichloropropane 25 ND ND 2,2-Dichloropropane 25 ND ND	The state of the s				and the second s	reservate and the desire of the desire that	ili
rans-1;2-Dichloroethene 25 ND ND 1,2-Dichloropropane 25 ND ND 1,3-Dichloropropane 25 ND ND 2,2-Dichloropropane 25 ND ND	వృత్తి ప్రైవేట్ లే అయ్యాలు అయ్దింది. అందుకు మందుకు మందుకు మంది మంది మంది మంది మంది మంది మంది మంది	e Gilligare de la ligação a productiva e e e disconer de exercica de la contractiva del contractiva de la contractiva del contractiva de la contractiva de la contractiva del contractiva del contractiva de la contractiva de la contractiva de la contractiva del contractiva del contra	and the second s	a beautiful a service to a service		entri per diperio in seleta del del del deserva en la pera del disperio en para en el que esta del la pera del disperio en para en el del del del del del del del la pera del	
1,2-Dichloropropane 25 ND ND 1,3-Dichloropropane 25 ND ND 2,2-Dichloropropane 25 ND ND	cis-1,2-Dichloroethene				t. Villago e incluenciamenta como como	geween in provide a period of the original total and the second of the contract of the contrac	and the second second
i 3-Dichloropropane 25 ND ND 2,2-Dichloropropane 25 ND ND	difference and was training to the latter of the relation of the earth of the second o	en de carcon la colon da las las servicios del del del confidencia i del del	t deduce i jak de middelse vije valgeble i jak	agente par established et et al. 1911 i de et et al.			s industri di salah Patan
2,2-Dichloropropane 25 ND ND	1,2-Dichloropropane				an ann an aigh agus an ann an aigh	makan enakan esebakan ang kalandan di	all assessment of the state of
The first of the control of the cont	1,3-Dichloropropane	ME A CO. LONG THE CO. C. CO. LAND CO. L.	NO	Mai NO	ରେ ପ୍ରତିକ ପ୍ରତିକ୍ର ପର୍ବ ବିଶ୍ୱର । ଜଣ ପ୍ରତିକ୍ର ପ୍ରତିକ୍ର ପ୍ରତିକ୍ର ପ୍ରତିକ୍ର ପ୍ରତିକ୍ର ବିଶ୍ୱର ।	or or other property of the first of the fir	genero de
1,1≥Dichloroproperie 25 ND NO	2,2-Dichloropropane				en er	en veze españo en propo a gaño de dos reinde	didentification and a contract
	1:1=Dichloroproperte	25	מא	NO.	Company of the Compan	न्द्रका कर बेट्टेन के बात है जिल्हा है की के कर दिनों के बिह्न की बेट्टेन के बात के बात के बात के की की कर कर इसके की बेट्टेन की बेट्टेन के बात के बात की बेटेन की	a dengan rasasi.

Page 12 of 15

EPA 8260 - Volatile Organics

. Client.

PSI

Project:

Analyst:

Caltrans 6th & Castro

Job No.: Matrix:

17461 Water JMR/JL Date Sampled:

Date Received:

Date Analyzed: Batch Number: (800) 798-9336

11/16/00 11/17/00

11/24-29/00 MS25260W079 MS28260W082

		<u>-</u>	
Compounds	Sample ID:	MW-2	MW-10
cis-1,3-Dichloropropene	DL	μg/L	μg/L
trans-1,3-Dichloropropene	25	ND	ND
Diisopropyl Ether (DIPE)	25	ND:	
Ethylbenzene	250	ND	ND
Ethyl tert-Butyl Ether (EtBE)	25	1,200	1,500
Hexachlorobutadiene	250 25	ND	ND
2-Нехаполе	500	ND .	
sopropyloenzene	V	ND	ND
o-Isopropyltoluarie	25 25	39	46
Methylene chloride	25	ND	ND
-Methyl-2-pentanone	2500	NO.	ND
/ethyl-tert-butyl ether (MtBE	250	ND	ND
apthalene	50	ND	
Propylbenzene	100 അത്രം	340	460
tyrene	25 25	120	160
1,1,2 Tetrachloroethane	25 25	ND	ND
1,2,2-Tétrachloroethane	50	ND	NO .
etrachlorcetherie	25	ND	.ND
pluene	ল বাবে এৰ বন্দিন্ত হৈছিল কৰি	ND	NO
2.3-Trichlorobenzene	100	2,500	2,900
2,4-Trichlorobenzene	100	ND	NO.
1.1-Trichloroethane	25	ND	ND
1,2-Trichloroethane	25	ND	
ichtoroethens	25 25	ND	ND
2,3-Trichloropropane	25	ND	
chlorollypromethane	25 25	ND	ND
chiorotrifluoroethane	250	ND	NO CONTRACTOR OF THE CONTRACTO
4-Trimethyjbenzerie	The Contract of the Contract of	ND	ND
5-Trimethy/benzene	n aan ag wateraa na mara	860-	1,200
yl chloride	error of the contract of the contract of	230	290
enes, m-,p-		ND	NO 12 12 12 12 12 12 12 12 12 12 12 12 12
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The state of the s	251	400	1,800

Surrogates (% recovery) Limits: 80 - 130

	- 130			ł.
Sample ID:	MW-2	MW-10		
Olbromoffuoremethane Toluene-d8	109	110		-20 C 40 C 40 C 40 C 40 C 40 C
Toluene-d8	104	107		
Bramafluorobenzene		I U T Maturatera	an esta a compania a compania	
The second secon	ം വ ലാ ം	107		

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QC Sample Report - EPA Method 8260

Matrix: Water

Batch #: MS28260W079

Batch Accuracy Results

Sample ID: Laboratory Control Sample

Analyte	Spike Concentration tig/L	% Recovery LCS	Acceplance Limits % Recovery	Pass/Fail
1,1-Dichloroethene	20	119	59 - 172	Pass
Benzene	20	122	66 - 142	Pass
Trichloroethene	20	114	71 - 137	Pass
Toluene :	20	116	59 - 139	Pass
Chlorobenzene	20	110	60 - 133	Pass

Analytical Notes

Batch Precision Results

MS/MSD Sample ID: Laboratory Control Sample

Analyte	Spike Sample Recovery µg/L	Spike Dupficate Recovery μg/L	Relative Percent Difference (RPD)	Upper Control Limit RPD	Pass/Fail
1.1-Dichloroethene	23.85	22.49	6%	22%	Pass
Benzene	24.34	22.99	6%	21%	Pass
Trichloroethene	22,85	22.60	1%	24%	Pass
Toluene	23.31	22.27	5%	21%	Pass ,
Chlorobenzene	22.06	21.15	4%	21%	Pass

MS. Matrix Spike Sample
MSD: Matrix Spike Duplicate

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Analytical Notes:

Property on Heavened Paper.

Analytical Notes:

QC Sample Report - EPA Method 8260

Matrix: Water

Batch #: MS28260W082

Batch Accuracy Results

Sample ID: Laboratory Con	trol Sampl	e		
Analyte	Spike Concentration µg/L	% Recovery LCS	Acceptance Limits % Recovery	Pass/Fail
1,1-Dichloroethene	20	103	59 - 172	Pass
Benzene	20	110	66 - 142	Pass
Trichloroethene	20	110	71 - 137	Pass
Toluene	20	107	59 - 139	Pass
Chiorobenzene	20	100	60 - 133	Pass

Batch Precision Results

MS/MSD Sample ID: Lab	Spike Sample Recovery µg/L	Spike Duplicate Recovery µg/L	Relative Percent Difference (RPD)	Upper Control Limit RPD	Pass/Fail
1.1-Dichloroethene	20.60	21.77	6%	22%	Pass
Benzene	22.07	22.67	3%	21%	Pass
Trichloroethene	21.94	22.44	2%	24%	Pass
Toluene	21.36	22.82	7%	- 21%	Pass
Chiorobenzene	19.93	20.16	1%	21%	Pass

MS: Matrix Spike Sample
MSD: Matrix Spike Dupticate

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Analytical Notes:

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	Centrum An	alytic	al La	borate	ories, Inc.												C	Cen	trum	# doL <i>t</i>	17461 1 of 1
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Project Na:	6034		Project Nau CA	UTCA	13 20W. WINTON 144WARD, CA 945		Carbon Chal		Claic	(956)	524.2				PCBs, Post/PCB		d V				24 Hr. RUSH'
Project Man	ass merestr		Fhore: 510-	785	-1111 510 785-	1192	on Car		À	2 G	5 62k	g	<u> </u>				RC R	Conductivity		_	48 Hr. RUSH* Normal TAT
Client Name	t .		Address:	irg)	1320W. WINTON	1 AVE	uel Scre	Vino o	STEX/MIBE ONLY BY GOPIO	: 왕	320	Fuel Oxygenates	ouf. Or	625	sticides	0					ires PRIOR approval, (onal charges apply
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Centrum ID	Sample ID (As it should eppear on report)	Date Sampled	Time sampled	Sample matrix	Site location	Containers:	8015M:		90218:	418.1 (TRPH) 413.2 Oil & Gresse)	GCMS. (82608) 8021B. 824	GCMS	GCMS: MIBE Conf. Only	GCMS:	8081A/8082: Pesticides.	M	Motals:	PH, TDS.		Roman	ks/Special Instructions
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custody	very of samples and the si- form constitutes authoriza specified above under th	ation to o	erform th	e	FEDEX		- }{	117	Tin	ne:		ourie:	con	ves(Fed E	 1	Hai	nd ¢a	med	ا ا	
forth on	the back hereof.				1 Generalier	-					10				_						Sample Locator No.
Leborator	y Notes: FILTE	ERI	NET	ALS	6) Received for Laboratory by:	0+G		41	<u> </u>	. 4										F	-H/VOA

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