

ENVIRONMENTAL AUDIT, INC.

1000-A ORTEGA WAY • PLACENTIA, CA 92670-7125 714/632-8521 • FAX: 714/632-6754

January 8, 1993

Project No. 1233

Mr. Ravi Arulanantham Alameda County Department of Environmental Health 80 Swan Way, #200 Oakland, CA 94621

RE: QUARTERLY GROUND WATER MONITORING REPORT Montgomery Ward Auto Service Center 7575 Dublin Boulevard, Dublin, CA

Dear Mr. Arulanantham:

Enclosed herewith is a copy of our report titled "Quarterly Ground Water Monitoring Report, August 1992 through October 1992, Montgomery Ward Auto Service Center, 7575 Dublin Boulevard, Dublin, California", dated December 14, 1992.

Please call if you have any questions or need additional information.

Sincerely,

ENVIRONMENTAL AUDIT, INC.

Frank S. Muramoto, R.G.

Senior Geologist

FSM:SAB:ss

enclosure

cc: C. West, Montgomery Ward (w/enclosure)

P. Delk, Montgomery Ward (w/enclosure)

M. Gilmartin, Straw & Gilmartin (w/enclosure)

K. Pick, Alheimer & Gray (w/enclosure)

SAB:MWD5.6

QUARTERLY GROUND WATER MONITORING REPORT AUGUST 1992 THROUGH OCTOBER 1992 MONTGOMERY WARD AUTO SERVICE CENTER 7575 DUBLIN BOULEVARD DUBLIN, CALIFORNIA

Project No. 1233

December 14, 1992



TABLE OF CONTENTS

	Page
1.0 INTRODUCTION	1
2.0 FIELD WORK	1
2.1 GROUND WATER ELEVATION SURVEY	1 2 2
3.0 ANALYTICAL TESTING	2
4.0 LIMITATION	3
TABLES:	
TABLE 1: GROUND WATER ELEVATIONS FROM DATA OBTAINED ON OCTOBER 22, 1992 TABLE 2: TEMPERATURE, CONDUCTIVITY, AND PH READINGS DURING PURGING ACTIVITIES TABLE 3: ANALYTICAL TESTING RESULTS FOR GROUND WATER SAMPLES	
FIGURES:	
FIGURE 1: LOCATION MAP FIGURE 2: SITE PLAN	
APPENDICES:	
APPENDIX A: CHAIN OF CUSTODY RECORD FORMS APPENDIX B: LABORATORY REPORTS	
SAB/WORD/MWD11-92.6	

1.0 INTRODUCTION

This document constitutes a quarterly ground water monitoring report for the Montgomery Ward Auto Service Center property located at 7575 Dublin Boulevard, Dublin, California (see Figure 1). The monitoring period covered by this report is August 1992 through October 1992. The ground water sampling was conducted in October 1992.

A ground water extraction and treatment system (System) is operated and maintained at the site by others. Well B-12 is the only extraction well associated with the System (see Figure 2). All other wells function only as monitoring wells at this time.

2.0 FIELD WORK

2.1 GROUND WATER ELEVATION SURVEY

The System was temporarily shut down by a Montgomery Ward representative on October 19, 1992, in order for Environmental Audit, Inc. (EAI) to obtain ground water samples from the wells representative of the formation.

On October 22, 1992, EAI obtained ground water depth measurements from the wells associated with the site using an Oil Recovery Systems interface probe. No free-product was detected in the wells during gauging activities. The measured water levels were converted to elevations by subtracting the measured water level from the ground level datum for each well (see Table 1).

Ground water elevation data obtained from the wells were used to construct a ground water elevation map (see Figure 2). Interpretation of the elevation data indicates that at the time of measurement the ground water table near extraction well B-12 apparently had not fully reached equilibrium conditions as evidenced by the depressed water table around the extraction well.

2.2 GROUND WATER SAMPLING

On October 22, 1992, the wells were sampled. Prior to sampling, all wells except extraction well B-12, were purged using a Whale Supersub 88 submersible pump. Purging activities continued until the temperature, conductivity and pH of the extracted water had stabilized (see Table 2).

The wells were sampled in the order that purging activities were completed. The water samples were collected from just below the water surface using Voss Technologies disposable bottom bailers equipped with volatile organic compound samplers. Use of

these bailers precludes the potential for cross-contamination. The water samples were sealed in two 40-milliliter (ml) VOA vials with Teflon septa lined lids and in one-liter plastic bottles. The containers were completely filled so that no head space existed between the samples and the lids. The samples were labeled with the sample point identification, date and time, and immediately placed into an ice chest chilled using frozen blue ice. The samples were kept chilled until delivered to the laboratory for analytical testing. All samples were logged on chain of custody record forms (see Appendix A).

2.3 SYSTEM OPERATION

EAI attempted to put the System back into operation following the completion of sampling activities. However, it was discovered that the pump down level control associated with the transfer pump used to convey water from the holding tank to the activated carbon canisters was malfunctioning. Montgomery Ward was notified of the problem, reportedly repaired it, and put the System back into operation on or about October 26, 1992.

2.4 SAMPLING EQUIPMENT CLEANING PROTOCOL

The submersible pump used only to purge the wells prior to sampling was decontaminated between each purging activity using the following procedure: 1) the pump was flushed in a solution of Alconox detergent and tap water; and 2) the pump was flushed with tap water. The vinyl tubing used as a discharge hose also was replaced with new tubing prior to purging each well.

2.5 EFFLUENT HANDLING

All effluent generated during purging, sampling and equipment decontamination activities was temporarily stored in a drum which was then emptied into the System for treatment.

3.0 ANALYTICAL TESTING

All samples were delivered for analytical testing to Sequoia Analytical, a state certified hazardous waste testing laboratory (Certificate No. 1271) located in Concord, California. The samples were tested for total petroleum hydrocarbons as gasoline (TPH-G) using modified EPA Method 8015, benzene, toluene, xylenes and ethylbenzene (BTXE) using EPA Method 602, and total lead using EPA Method 7420. The results of the testing are shown in Table 3. The laboratory reports are contained in Appendix B.

4.0 LIMITATION

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar localities. No other warranty, expressed or implied, is made as to the information contained in this report.

SAB: FSM:ss

SAB/WORD/MWD11-92



GROUND WATER ELEVATIONS FROM DATA
OBTAINED ON OCTOBER 22, 1992
MONTGOMERY WARD AUTO SERVICE CENTER
7575 DUBLIN BOULEVARD, DUBLIN, CA

WELL NUMBER	ELEVATION OF TOP SURFACE OF PVC WELL CASING*	MEASURED DEPTH OF GROUND WATER (IN FT. BGS)**	GROUND WATER ELEVATION (FT)
B-5	100.95	12.97	87.98
B-10	100.60	12.67	87.93
B-12	100.00	12.82	87.18
B-15	101.50	13.25	88.25
B-16	100.70	12.88	87.82

NOTES: bgs = below ground surface

FSM:PFS:MWDT11.921

^{*} An arbitrary reference elevation of 100 feet for well MW-12 was used.

^{**} Measured from top of PVC well casing.

TABLE 2

TEMPERATURE, CONDUCTIVITY, AND PH READINGS
DURING PURGING ACTIVITIES
MONTGOMERY WARD AUTO SERVICE CENTER
7575 DUBLIN BOULEVARD, DUBLIN, CA

WELL NUMBER	CUMULATIVE PURGED (Gallons)	TEMPERATURE (Fahrenheit)	CONDUCTIVITY (Micromhos/cm)	рН
B-5	5	79.7	12.86×10^{2}	7.61
	10	76.3	12.36×10^{2}	7.60
	15	73.6	12.17×10^{2}	7.39
	20	72.0	12.01×10^{2}	7.37
	25	72.0	12.00x10 ²	7.36
B-10	5	74.1	12.00x10 ²	7.50
2 10	10	72.6	11.76x10 ²	7.35
	15	71.6	11.76x10 ²	7.33
	20	71.3	11.64x10 ²	7.31
	25	71.2	11.69x10 ²	7.34
B-15	5	75.0	12.20x10 ²	8.17
P-12	10	73.2	12.20x10 11.98x10 ²	7.83
	10 15	70.7	11.98×10^{2} 11.79×10^{2}	7.03 7.77
	20	70.7	11.79×10^{2} 11.72×10^{2}	7.77
	25	70.4	11.66x10 ²	7.82
	30	69.9	11.63x10 ²	7.74
	35 35	69.7	11.63×10^{2}	7.74
	40	69.5	11.63x10 11.59x10 ²	7.74
	40	69.5	11.59X10	1.74
B-16	5	73.4	12.37×10^{2}	7.98
	10	71.6	12.23×10^{2}	7.59
	15	71.1	12.08×10^{2}	7.55
	20	70.7	12.10×10^{2}	7.53
	25	70.5	12.08×10^{2}	7.54
	30	70.2	12.04×10^2	7.52

NOTE: Measurements were made using a Hydac conductivity, temperature, pH tester.

FSM:PFS:MWDT11.922

TABLE 3

ANALYTICAL TESTING RESULTS FOR GROUND WATER SAMPLES MONTGOMERY WARD AUTO SERVICE CENTER 7575 DUBLIN BOULEVARD, DUBLIN, CA

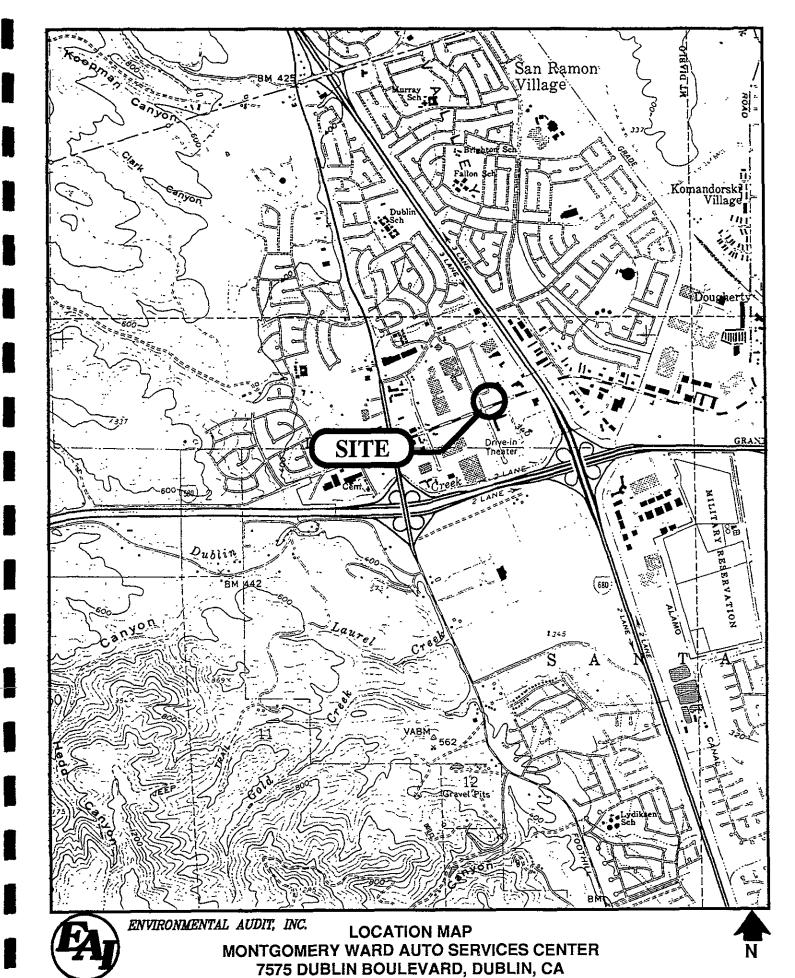
CONCENTRATIONS IN PARTS PER BILLION (ppb)

Well I.D.	Date	TPH-G	Benzene	Toluene	Total Xylenes	Ethyl- Benzene I	ead
B− 5	04/16/92 07/24/92 10/22/92	4,400 31,000 9,100	670 5,400 1,100	160 2,600 190	320 5,800 740	280 2,200 520	ND* ND ND
B-10	04/16/92 07/24/92 10/22/92	7,300 27,000 16,000	1,400 3,800 2,300	640 1,600 340	1,100 4,000 1,200	880 2,000 1,100	ND ND
B-12	04/17/92 07/24/92 10/22/92	12,000 12,000 11,000	1,300 1,000 370	1,100 630 230	1,200 1,000 940	510 520 400	ND ND ND
B-15	04/17/92 07/24/92 10/22/92	65 ND ND	4. 3. 1.	6 1.		3.1	ND ND ND
B-16	04/17/92 07/24/92 10/22/92	1,300 1,600 1,000	390 120 76	1. 5. ND		35 120 55	ND ND ND

^{*} ND = Not Detected

FSM:PFS:MWDT11.923

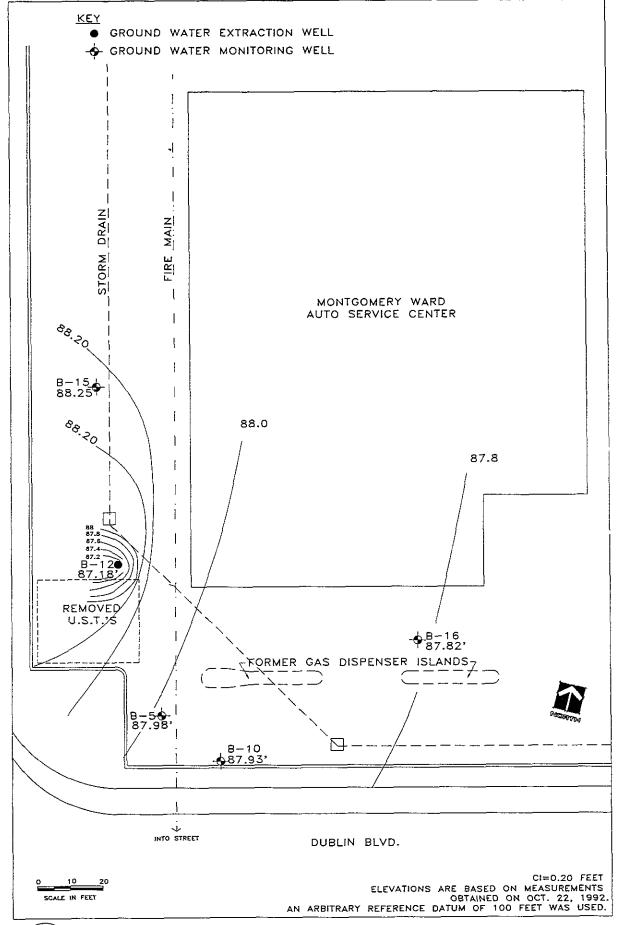




DATE: 5-92

USGS DUBLIN 7.5 MINUTE QUADRANGLE, 1961, PHOTOREVISED 1980.

FIGURE: 1



ENVIRONMENTAL AUDIT, INC. GROUND WATER ELEVATION MAP

MONTGOMERY WARD AUTO SERVICE CENTER

7575 DUBLIN BOULEVARD

DUBLIN, CA

APPENDIX A CHAIN OF CUSTODY RECORD FORMS

E	
PROJECT NO),

Environmental Audit, Inc.

CHAIN OF	Cl	JSTO	DY	REC	OR	2D
-----------------	----	-------------	----	------------	----	----

	3				ıl Analyses and Hazardı ment and Remediation						s	AM	PLIN	IG R	EOI	JIRE	MEN	TS:	RC	RAC	3	NPDES	Sc	NVA 🔯			🖸
				nces manage EGA WAY	= (714) 632-	852					Ī	WRI	TTE		C RE	POR						TIME:					
	PL	ACENT	IA, C	A 92670-7125							•			C				SA	ME	DAY		24hr (48hr (] NO	ORMA	L (X)
PROJECT NO.				CT NAME			NTI	R				1A	VAL	YSES	REG	OUE:	STEE)				l		REMA	NRKS		
1233			Mor		Nard Dublin	IYI	PE	+	1	T				WET	7-		_				CONTAINERS			•	 		
SAMPLER: (Signature		1_		PROJ	ECT MANAGER:									in in					Ì		Š						
FS. Mu	лат	do		S.	M. Mortazavi		PLASTIC IPPASS / SS TO IDE	55 1055 9015M	8015M	18.1	BTEX 602 8020	24 824	25 827	TAZ T	Lesd						6						
SAMPLE NUMBER	DATE	TIME	COMP	SAMP	LE DESCRIPTION	GLASS	PLASTIC	BKASS/ 35 105	7 4	TRPH 4	BTEX 6	۷۵ <u>۲</u>	200		Total						NUMBER	Hol			-04.2	/or	·V
B-12	10/2/12	18120 Nrs	V	nwer			/		1		v				1						3	2-40+ 1- one	ile	r plus	he tel	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	ed
																						21	0	<u>20</u>	33]	1	C
							_	_						T													
	-		\parallel			$\dagger \dagger$	+	-	+	+							1										
	<u></u>					+	+	+		-	-	-	+	+	+		-	+-		\dagger	+					•	
			-	 		-	\dashv	-	-	+	+		-	+	+	H	\dashv	-			-				<u> </u>		<u> </u>
		<u></u>					_	_	_	_	_			_ _	_		_	\downarrow	-	_	-						
										251	NG:	uci	100	DV.	IC! ~			AL N NO.	VUV ILAT	IBER VERS OATE	/TIM	E DECE	EN/EN	BY ISI	gnature	\	
RELINQUISHED BY:				DATE/TIME 10/23/42 08:30 hrs	RECEIVED BY: (Signature)	}				KEL	NOL	יוצור	たり	RA:	(>iQ:	natu	ıel			WATE.	, I IIV	T NEX.		<u></u>	y, 101010	·	
RELINQUISHED BY:				DATE/TIME	RECEIVED BY: (Signature	}				RELI	NOI	JISH	НED	BY:	(Sig	natu	re)		ſ	DATE	/TIA	AE RECE	EIVED	BY: (Si	gnature	}	
			VIRBOF	NE O	SHIPPED BY: (Signature)					COL	JRIEI	R: (5	ilgni	ature	e)				\setminus	\mathcal{N}) (FOR BY:		X	9	2	57553745 (30AV)

5	

Environmental Audit, Inc.

CHAIN OF	CUSTODY	RECORD
-----------------	----------------	---------------

	\											L									_								
	7					ses and Hazard nd Remediation		ì					SAMPLING REQUIREMENTS: RCRAQ NPDESQ SDWA D]									
C	, ,			EGA WAY	-	# (714) 632 <i>-</i>						- 1	WRITTEN OC REPORT TURNAROUND TIME: , , ROUTINE OCISION																
	. PL			A 92670-712 	<i></i> _	¤ (714) 632 -	67	54				- 1			3 0				s	AM	E D	ΛΥ []	24hr 🗖	48h	r 🔲	NOR	MAL 🔯	
PROJECT NO.		1		CT NAME	4 1A	11 .		ON					ΛΙ	NAL	YSES	RE	QUE	ESTEI	D						REI	MARKS	;		
1233			Monte	gomery Wa	ind Du	blin	-	YPE	4	1		7	\Box		1::		1		· [}	<u> </u>	-	R.S						
AMPLER: (Signatur	e}	0		PRO	JECT MAN	JAGER:	Ž	zksic.					_		T WET								CONTAINERS				•		
FS. Mu	uam	oti	·	S-I	M. Ma	rtazavi'	2 402	C I lite plasic	SS TUBE	8015M	8.1	2 8020	4 8240	5 8270	TALS TO	ad				İ			ö						
SAMPLE NUMBER	DATE	TIME	GRAB	AMAS	LE DESCR	RIPTION	GLASS	PLASTIC	BRASS/	7 5	TRPH 418.	BTEX 60	VOCs 62	EOCs 62	OIL & GREASE CAM METALS TOT 1	Total Lo							NUMBER						
B-15	1424	11:25 Nrs	/	Water ((dear)		V			V	ار	~				/	li	101	\\	15	SA	0	3	2 40 ml 1 Planté 1	VUAs 1 -like t	6v 17P 1- hb	4-6/ L 100	DT/E d	
B-16	łı	12:40 hrs	/	Water (clear)		7	4		,	1	~				~			_	5	ا		3	h	9	,		4	
B-10	ц	13125 hrs	U	Water (des)		1			/	<u> </u>	\ <u></u>				4			7	5	24	0	3	11	4		51	<u>.</u>	
B-5	h	14:(0° hrs	0	Water	(clier)		/	V		V		v				1	,		1	3	3/	4	3	(t	٦		Pt	47	
													Ì																į
																		TOT/ OF C	ΛL N NO.										
RELIMOUISHED BY: FS. Muu	(Signati WNO	To Tel		DATE/TIME 10/22/92 16:00 IW.	RECEIVE	D BY: (Signature)				R	REUN	4OU	ISH	ED	BY; (Sign	atu	re)		E	DΛΊ	E/TI	ME	RECEIVE) BA: (2)	Ignati	нe		
ELINOUISHED BY:					RECEIVE	D BY: (Signature)				R	RELIN) van	ish ()	. \	BY: (Sign	atu	re)		5	DAT (0)	E/TI	ME V	RECEIVE	BY; 18	gnati	rel la		
	ips [RBORN		SHIPPED	BY: (Signature)			.,	(:ou	RIER	: (S)	igna	iture									OR BY: (Sig	(DATE/TIM	AE (42
BUS 🗆 F	MD Þ	<u> </u>								_ }	4	~~\ V^\	1	1	سِما	2				Į	AB:	Se	gu	ora and	dytic	al.		4,5	رر

APPENDIX B LABORATORY REPORTS



RECEIVED

NOV ~ 6 1992

98889711111111111111 Environmental Audit, Inc. 1000-A Ortega Way

Placentia, CA 92670-7125 Attention: S.M. Mortazavi

Cijent Project ID: #1233 / Montgomery Ward, Dublin Sampled:

Water Sample Matrix:

Analysis Method: EPA 5030/8015/8020

210-0831 First Sample #:

Oct 22, 1992 Oct 23, 1992 5 Received:

Reported: Nov 3, 1992

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit μg/L	Sample I.D. 210-0831 B-12	
Purgeable Hydrocarbons	50	11,000	
Benzene	0.5	370	•
Toluene	0.5	230	
Ethyl Benzene	0.5	400	
Total Xylenes	0.5	940	
Chromatogram Pat	em:	Gasoline	

Quality Control Data

Report Limit Multiplication Factor:

20

Date Analyzed:

10/28/92

Instrument Identification:

HP-4

Surrogate Recovery, %:

101

Analytes reported as N.D. were not detected above the stated reporting limit.

(QC Limits = 70-130%)

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard.

SEQUOIA ANALYTICAL

Karen L. Enstrom Project Manager

2100831.EEE <1>



SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

1000-A Ortega Way Placentia, CA 92670-7125 Attention: S.M. Mortazavi

Environmental Audit, Inc. Client Project ID: #1233 / Montgomery Ward, Dublin Sample Descript: Water Total Lead Analysis for: 210-0831 First Sample #:

Sampled: Oct 22, 1992 Oct 23, 1992 Received: Oct 29, 1992 Extracted: Oct 30, 1992 Analyzed: Reported: Nov 3, 1992

Total Lead LABORATORY ANALYSIS FOR:

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
210-0831	B-12	0.0050	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Karen L. Enstrom **Project Manager**

2100831.EEE <2>

1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

1000-A Ortega Way

Environmental Audit, Inc. Client Project ID: #1233 / Montgomery Ward, Dublin

Placentia, CA 92670-7125

Attention: S.M. Mortazavi QC Sample Group: 210-0831 Reported: Nov 3, 1992

QUALITY CONTROL DATA REPORT

ANALYTE	 		Ethyl-		Total	
	Benzene	Toluene	Benzene	Xylenes	Lead	
	EPA	EPA	EPA	EPA		
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA 7421	
Analyst:	J.F.	J.F.	J.F.	J.F.	K.V.S.	
Reporting Units:	μg/L	μg/L	μg/L	μg/L	mg/L	
Date Analyzed:	Oct 28, 1992	Oct 28, 1992		Oct 28, 1992		
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	210-0831	
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.	
Sample Conc	14.0.	(1.5.	11.5.	11.5.		
Spike Conc.						
Added:	20	20	20	60	0.025	
Added.	20	20	20	00	0.020	
Conc. Matrix	40	0.4	00	60	0.004	
Spike:	19	21	22	68	0.024	
Matrix Spike						
% Recovery:	95	105	110	113	96	
Conc. Matrix						
Spike Dup.:	19	20	21	66	0.024	
Matrix Spike						
Duplicate						
% Recovery:	95	100	105	110	96	
-						
Relative						
% Difference:	0.0	4.8	4.6	3.0	0.0	
,, =, 0				= - -		

SEQUOIA ANALYTICAL

Karen L Enstrom Project Manager

% Recovery:	Conc. of M.S Conc. of Sample	x 100
	Spike Conc. Added	
Relative % Difference:	Conc. of M.S Conc. of M.S.D.	x 100
_	(Conc. of M.S. + Conc. of M.S.D.) / 2	

2100831.EEE <3>



1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

RECEIVED

NOV 1 2 1992

Environmental Audit, Inc. Placentia, CA 92670-7125 Attention: S.M. Mortazavi

inc. Client Project ID: Sample Matrix:

#1233 / Montgomery Ward, Dublin NVIR (Sampled:

Water EPA 5030/8015/8020

Analysis Method: First Sample #: 210-0755

Oct 22, 1992 Received: AULOct 22, 1992

Reported:

Nov 9, 19923

TOTAL PURGEABLE PETROLEUM HYDROCARBONS with BTEX DISTINCTION

Analyte	Reporting Limit μg/L	Sample I.D. 210-0755 B-15	Sample I.D. 210-0756 B-16	Sample I.D. 210-0757 B-10	Sample I.D. 210-0758 B-5	
Purgeable Hydrocarbons	50	N.D.	1,000	16,000	9,100	
Benzene	0.5	1.7	76	2,300	1,100	
Toluene	0.5	0.89	N.D.	340	190	
Ethyl Benzene	0.5	0.78	55	1,100	520	
Total Xylenes	0.5	0.88	130	1,200	740	
Chromatogram Pat	tern:	•-	Gasoline	Gasoline	Gasoline	

Quality Control Data

Report Limit Multiplication Factor:	1.0	10	200	200
Date Analyzed:	10/27/92	10/28/92	10/27/92	10/27/92
Instrument Identification:	HP-2	HP-4	HP-2	HP-2
Surrogate Recovery, %: (QC Limits = 70-130%)	101	101	101	100

Purgeable Hydrocarbons are quantitated against a fresh gasoline standard. Analytes reported as N.D. were not detected above the stated reporting limit.

SEQUOIA ANALYTICAL

Karen L. Enstrom Project Manager

2100755.EEE <1>



SEQUOIA ANALYTICAL

1900 Bates Avenue • Suite LM • Concord, Californía 94520 (510) 686-9600 • FAX (510) 686-9689

Environmental Audit, Inc. 1000-A Ortega Way Placentia, CA 92670-7125 Attention: S.M. Mortazavi

Inc. Client Project ID: #1233 / Montgomery Ward, Dublin Sample Descript: Water Total Lead Analysis for:

210-0755 First Sample #:

Sampled: Oct 22, 1992 Oct 22, 1992... Received: Oct 29, 1992 Extracted:

Analyzed: Oct 30, 1992 Reported: Nov 9, 1992 a ing panggang digawang panggang panggang panggan panggang panggang panggang panggang panggang panggang panggang

LABORATORY ANALYSIS FOR:

Total Lead

Sample Number	Sample Description	Detection Limit mg/L	Sample Result mg/L
210-0755	B-15	0.0050	N.D.
210-0756	B-16	0.0050	N.D.
210-0757	B-10	0.0050	N.D.
210-0758	B-5	0.0050	N.D.

Analytes reported as N.D. were not present above the stated limit of detection.

SEQUOIA ANALYTICAL

Karen L. Enstrom Project Manager

2100755.EEE <2>

1900 Bates Avenue • Suite LM • Concord, California 94520 (510) 686-9600 • FAX (510) 686-9689

uspanovina propositi konstanta terteta j Environmental Audit, Inc.

Client Project ID: #1233 / Montgomery Ward, Dublin

1000-A Ortega Way

Placentia, CA 92670-7125

Attention: S.M. Mortazavi QC Sample Group: 2100755-758 Reported: Nov 9, 1992

QUALITY CONTROL DATA REPORT

ANALYTE			Ethyl-		
	Benzene	Toluene	Benzene	Xylenes	Lead
	EPA	EPA	EPA	EPA	
Method:	8015/8020	8015/8020	8015/8020	8015/8020	EPA 7421
Analyst:	J.F.	J.F.	J.F.	J.F.	K.V.S.
Reporting Units:	μg/L	μg/L	μg/L	μg/L	mg/L
Date Analyzed:	Oct 27, 1992	Oct 27, 1992	Oct 27, 1992		Oct 30, 1992
QC Sample #:	Matrix Blank	Matrix Blank	Matrix Blank	Matrix Blank	210-0831
Sample Conc.:	N.D.	N.D.	N.D.	N.D.	N.D.
Spike Conc. Added:	20	20	20	60	0.025
Conc. Matrix			•		0.004
Spike:	20	20	21	68	0.024
Matrix Spike					
% Recovery:	100	100	105	113	96
Conc. Matrix					
Spike Dup.:	20	22	22	70	0.024
Matrix Spike					
Duplicate	400	110	110	116	96
% Recovery:	100	110	110	110	20
Relative					
% Difference:	0.0	9.5	4.6	2.8	0.0

Quality Assurance Statement: All standard operating procedures and quality control requirements have been met.

SEQUOIA ANALYTICAL

Karen L. Enstrom Project Manager

% Recovery:	Conc. of M.S Conc. of Sample	x 100	
_	Spike Conc. Added		
Relative % Difference:	Conc. of M.S Conc. of M.S.D.	x 100	
_	(Conc. of M.S. + Conc. of M.S.D.) / 2		

2100755.EEE <3>