



ENVIRONMENTAL AUDIT, INC.

1000-A ORTEGA WAY • PLACENTIA, CA 92670-7125

714/632-8521 • FAX: 714/632-6754

ee 6/5/95

May 31, 1995

Project No. 1233

Ⓧ anticipate SB's on June 13th.

Ms. Eva Chu
Hazardous Materials Specialist
Alameda County Health Care Services
Department of Environmental Health
Environmental Protection Division
1131 Harbor Bay Parkway, #250
Alameda, CA 94502-6577

**RE: SECOND QUARTER 1995 GROUND WATER MONITORING REPORT
Montgomery Ward Auto Service Center
7575 Dublin Boulevard, Dublin, California**

Dear Ms. Chu:

Enclosed herewith are two copies of our report entitled, "Ground Water Monitoring Report, Second Quarter 1995, Montgomery Ward Auto Service Center, 7575 Dublin Boulevard, Dublin, California," dated May 31, 1995.

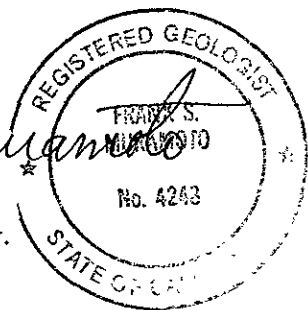
Please call the undersigned if you have any questions or need additional information.

Sincerely,

ENVIRONMENTAL AUDIT, INC.

John R. Cimbricz
Environmental Specialist

Frank S. Muramoto, R.G.
Senior Geologist



JRC:FSM:SAB:jc

enclosure

- cc: C. West, Montgomery Ward (w/enclosure)
- G. Jonas, Montgomery Ward (w/enclosure)
- M. Gilmartin, Straw & Gilmartin (w/enclosure)
- R. Enea, Enea Properties (w/enclosure)

JRC WORD 1233M95B

RECEIVED
 ENVIRONMENTAL
 HEALTH SERVICES
 JUN 1 1995
 20 02 PM '95

QUARTERLY GROUND WATER MONITORING REPORT

Second Quarter 1995
Montgomery Ward Auto Service Center
7575 Dublin Boulevard
Dublin, California

May 31, 1995

Project No. 1233

Prepared for:

Montgomery Ward & Co. Incorporated
39201 Fremont Boulevard
Fremont, CA 94538

ENVIRONMENTAL
PROTECTION
95 JUN -2 PM 2:02

ENVIRONMENTAL AUDIT, INC. ®

Planning, Environmental Analyses and Hazardous
Substances Management and Remediation
1000-A ORTEGA WAY
PLACENTIA, CA 92670-7125
714/632-8521

TABLE OF CONTENTS

	Page
1.0 INTRODUCTION.....	1
2.0 FIELD INVESTIGATION.....	1
2.1 Ground Water Elevation Survey.....	1
2.2 Ground Water And Effluent Sampling.....	1
2.3 Sampling Equipment Cleaning Protocol.....	2
2.4 Effluent Handling.....	2
3.0 ANALYTICAL TESTING.....	2
4.0 SYSTEM OPERATION/ MAINTENANCE.....	2
5.0 LIMITATION.....	3

TABLES:

Table 1:	Ground Water Elevations
Table 2:	Analytical Testing Results
Table 3:	Flowmeter Readings

FIGURES:

Figure 1:	Location Map
Figure 2:	Ground Water Elevation Map

APPENDICES:

Appendix A:	Ground Water Sampling Log Forms
Appendix B:	Chain of Custody Record Forms
Appendix C:	Laboratory Reports

JRC:WORD:1233M95B

1.0 INTRODUCTION

This document constitutes the second quarter 1995 ground water monitoring report for the Montgomery Ward Auto Service Center property located at 7575 Dublin Boulevard, Dublin, California (see Figure 1). The quarterly ground water monitoring activities are conducted during the first month of each calendar quarter, i.e., in January, April, July, and October.

A ground water extraction and treatment system (System) is operated at the site. Ground water is being extracted from well B-12 (see Figure 2). All other wells associated with the site function as monitoring wells at this time. Wells MW-100, MW-101 and MW-102 were installed in May 1993, pursuant to a request by the Alameda County Department of Environmental Health (County), and were subsequently included in the quarterly ground water monitoring.

As requested by the County, ground water monitoring wells MW-1 through MW-4 at the Enea Properties site (Enea Properties), located immediately south of the intersection of Amador Plaza Road and Dublin Boulevard, were gauged and sampled as part of the quarterly monitoring activities. Wells PZ-1 and EW-1 associated with the Enea Properties were not sampled since these wells are located within ten feet of monitoring well MW-1.

2.0 FIELD INVESTIGATION

2.1 GROUND WATER ELEVATION SURVEY

On April 20, 1995, Environmental Audit, Inc. obtained ground water depth measurements from the wells associated with the site and the Enea Properties using an Marine Moisture Control Company interface probe accurate to 0.01 feet. No free-product was detected in the wells during gauging activities. The measured water levels were converted to elevations relative to mean sea level (MSL) datum by subtracting the measured water level for each well from the ground level datum (see Table 1).

Ground water elevation data obtained from the wells were used to construct a ground water elevation map (see Figure 2). These data were collected during the time the System was shut-down (see Section 4.0); hence, the ground water elevation map is not reflective of actual pumping conditions at the site.

2.2 GROUND WATER AND EFFLUENT SAMPLING

On April 20 and 21, 1995, ground water samples were obtained from the wells for analytical testing. Prior to sampling, all wells except extraction well B-12 were purged using a Whale Supersub 921 submersible pump. Purging activities continued until the temperature, conductivity and pH of the extracted water had stabilized (see Appendix A).

Purging of well B-12 prior to sampling was unnecessary since the System was active during sampling of this well. All wells were sampled in the order that purging activities were completed. Well B-12 was sampled after all other wells were sampled. 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. A treated effluent sample was obtained from the sampling port located downstream of the two 180-pound carbon treatment units. 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, time and EAI project number, and immediately placed into an ice chest, chilled using ice. The samples were chilled until delivered to the laboratory for analytical testing. All samples were logged on a chain of custody record form (see Appendix B).

2.3 SAMPLING EQUIPMENT CLEANING PROTOCOL

The submersible pump and hose (Equipment) used to purge the wells prior to sampling was decontaminated between each purging activity using the following procedure: 1) the Equipment was flushed in a solution of Alconox detergent and tap water; and 2) the Equipment was flushed with tap water.

2.4 EFFLUENT HANDLING

All effluent generated during purging, sampling and equipment decontamination activities was temporarily stored in six 55-gallon drums which were then emptied into the System for treatment and subsequent discharge into the sanitary sewerage system.

3.0 ANALYTICAL TESTING

All samples were delivered for analytical testing to BC Analytical, a state certified hazardous waste testing laboratory (Certificate No. 1353) 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 8020, and total lead using EPA Method 7420. The results of the testing are shown in Table 2 along with the results from previous period's testing. The laboratory reports are contained in Appendix C.

4.0 SYSTEM OPERATION/MAINTENANCE

During the first quarter 1995, the ground water treatment system was inspected and routine maintenance of the system was undertaken once every two weeks or more often if required. The System was shut-down pending replacement of spent carbon units from January 19 through February 4, 1995 and from April 13-20, 1995.

Table 3 presents the effluent flowmeter reading for the period from January 18, 1995 through April 21, 1995. Approximately 372,330 gallons of treated ground water were discharged into the Dublin-San Ramon Water Service Districts sanitary sewerage system during the January 18, 1995 through April 21, 1995 period. This discharge volume computes into an average ground water extraction rate during the first quarter of approximately 2.8 gallons per minute.

During the January 18 through April 21, 1995 period, approximately 43.5 pounds of TPH-G and 0.6 pounds of benzene extracted and treated by the ground water remediation system.

5.0 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 professional advice contained in this report.

JRC:FSM:SAB:smh

JRC WORD 1233M95B

TABLES

**TABLE 1
GROUND WATER ELEVATIONS**

Montgomery Ward Auto Service Center
Enea Properties
Dublin, California

Date Measured	Elevation of top surface of PVC well casing (feet MSL)	Measured depth to ground water (feet bgs)	Measured depth to Product	Product Thickness	Ground water elevation (feet MSL)
B-5					
	340.05				
04/16/92		10.62	-	0.00	329.43
07/24/92		11.91	-	0.00	328.14
10/22/92		12.97	-	0.00	327.08
01/15/93		12.97	-	0.00	327.08
04/15/93		09.75	-	0.00	330.30
05/14/93		10.07	-	0.00	329.98
07/14/93		10.80	-	0.00	329.25
10/14/93		12.08	-	0.00	327.97
01/13/94		12.23	-	0.00	327.82
04/04/94		11.30	-	0.00	328.75
07/05/94		12.37	-	0.00	327.68
10/04/94		13.04	-	0.00	327.01
01/18/95		10.43	-	0.00	329.62
04/20/95		09.70	-	0.00	330.35
B-10					
	339.70				
04/16/92		10.32	-	0.00	329.38
07/24/92		11.69	-	0.00	328.01
10/22/92		12.67	-	0.00	327.03
01/15/93		09.48	-	0.00	330.22
04/15/93		09.49	-	0.00	330.21
05/14/93		09.87	-	0.00	329.83
07/14/93		10.64	-	0.00	329.06
10/14/93		11.80	-	0.00	327.90
01/13/94		11.94	-	0.00	327.76
04/04/94		11.00	-	0.00	328.70
07/05/94		12.08	-	0.00	327.62
10/04/94		12.69	-	0.00	327.01
01/18/95		09.89	-	0.00	329.81
04/20/95		09.40	-	0.00	330.30
B-12					
	339.10				
04/16/92		09.95	-	0.00	329.15
07/24/92		11.57	-	0.00	327.53
10/22/92		12.82	-	0.00	326.28
01/15/93		08.66	-	0.00	330.44
04/15/93		08.70	-	0.00	330.40
05/14/93		09.32	-	0.00	329.78

TABLE 1
GROUND WATER ELEVATIONS

Montgomery Ward Auto Service Center

Enea Properties

Dublin, California

Page 2 of 5

Date Measured	Elevation of top surface of PVC well casing (feet MSL)	Measured depth to ground water (feet bgs)	Measured depth to Product	Product Thickness	Ground water elevation (feet MSL)
07/14/93		09.95	-	0.00	329.15
10/14/93		10.94	-	0.00	328.16
01/13/94		11.28	-	0.00	327.82
04/04/94		10.32	-	0.00	328.78
07/05/94		19.25	-	0.00	319.85
10/04/94		19.27	-	0.00	319.83
01/18/95		10.99	-	0.00	328.11
04/20/95		08.60	-	0.00	330.50
B-15					
	340.62				
04/16/92		11.09	-	0.00	329.53
07/24/92		12.33	-	0.00	328.29
10/22/92		13.25	-	0.00	327.37
01/15/93		10.22	-	0.00	330.40
04/15/93		10.26	-	0.00	330.36
05/14/93		10.64	-	0.00	329.98
07/14/93		11.35	-	0.00	329.27
10/14/93		12.41	-	0.00	328.21
01/13/94		12.59	-	0.00	328.03
04/04/94		11.74	-	0.00	328.88
07/05/94		12.86	-	0.00	327.76
10/04/94		13.35	-	0.00	327.27
01/18/95		10.71	-	0.00	329.91
04/20/95		10.15	-	0.00	330.47
B-16					
	339.82				
04/16/92		10.63	-	0.00	329.19
07/24/92		11.90	-	0.00	327.92
10/22/92		12.88	-	0.00	326.94
01/15/93		09.79	-	0.00	330.03
04/15/93		09.83	-	0.00	329.99
05/14/93		10.20	-	0.00	329.62
07/14/93		10.92	-	0.00	328.90
10/14/93		11.99	-	0.00	327.83
01/13/94		12.16	-	0.00	327.66
04/04/94		11.28	-	0.00	328.54
07/05/94		12.28	-	0.00	327.54
10/04/94		12.89	-	0.00	326.93
01/18/95		10.21	-	0.00	329.61
04/20/95		09.79	-	0.00	330.03

TABLE 1
GROUND WATER ELEVATIONS

Montgomery Ward Auto Service Center
Enea Properties
Dublin, California

Date Measured	Elevation of top surface of PVC well casing (feet MSL)	Measured depth to ground water (feet bgs)	Measured depth to Product	Product Thickness	Ground water elevation (feet MSL)
MW-100					
	339.61				
05/14/93		10.34	-	0.00	329.27
07/14/93		11.00	-	0.00	328.61
10/14/93		12.12	-	0.00	327.49
01/13/94		12.25	-	0.00	327.36
04/04/94		11.36	-	0.00	328.25
07/05/94		12.22	-	0.00	327.39
10/04/94		12.88	-	0.00	326.73
01/18/95		10.27	-	0.00	329.34
04/20/95		10.00	-	0.00	329.61
MW-101					
	338.54				
05/14/93		09.91	-	0.00	328.63
07/14/93		10.38	-	0.00	328.16
10/14/93		11.30	-	0.00	327.24
01/13/94		11.21	-	0.00	327.33
04/04/94		10.69	-	0.00	327.85
07/05/94		11.39	-	0.00	327.15
10/04/94		11.98	-	0.00	326.56
01/18/95		09.84	-	0.00	328.70
04/20/95		09.61	-	0.00	328.93
MW-102					
	339.23				
05/14/93		09.60	-	0.00	329.63
07/14/93		10.31	-	0.00	328.92
10/14/93		11.57	-	0.00	327.66
01/13/94		11.71	-	0.00	327.52
04/04/94		10.83	-	0.00	328.40
07/05/94		11.65	-	0.00	327.96
10/04/94		12.36	-	0.00	326.87
01/18/95		09.59	-	0.00	329.64
04/20/95		09.27	-	0.00	329.96
ENEA MW-1					
	335.84				
10/14/93		09.05	-	0.00	326.79
01/13/94		NM	-	0.00	NM
04/04/94		08.36	-	0.00	327.48

TABLE 1
GROUND WATER ELEVATIONS

Montgomery Ward Auto Service Center
Enea Properties
Dublin, California

Date Measured	Elevation of top surface of PVC well casing (feet MSL)	Measured depth to ground water (feet bgs)	Measured depth to Product	Product Thickness	Ground water elevation (feet MSL)
07/05/94		09.04	-	0.00	326.80
10/04/94		09.66	-	0.00	326.18
01/18/95		07.53	-	0.00	328.31
04/20/95		07.41	-	0.00	328.43
ENEA MW-2					
	335.61				
10/14/93		08.90	-	0.00	326.71
01/13/94		NM	-	0.00	NM
04/04/94		08.05	-	0.00	327.56
07/05/94		08.84	-	0.00	326.77
10/04/94		09.59	-	0.00	326.02
01/18/95		07.01	-	0.00	328.60
04/20/95		06.85	-	0.00	328.76
ENEA MW-3					
	336.93				
10/14/93		09.89	-	0.00	327.84
01/13/94		NM	-	0.00	NM
04/04/94		09.19	-	0.00	327.74
07/05/94		09.92	-	0.00	327.01
10/04/94		10.56	-	0.00	326.37
01/18/95		08.26	-	0.00	328.67
04/20/95		08.09	-	0.00	328.84
ENEA MW-4					
	335.76				
10/14/93		NI	-	0.00	NI
01/13/94		NM	-	0.00	NM
04/04/94		08.55	-	0.00	327.21
07/05/94		09.15	-	0.00	326.61
10/04/94		09.77	-	0.00	325.99
01/18/95		07.79	-	0.00	327.97
04/20/95		07.72	-	0.00	328.04
ENEA EW-1					
	336.08				
10/14/93		NI	-	0.00	NI
01/13/94		NM	-	0.00	NM
04/04/94		08.62	-	0.00	327.46
07/05/94		09.28	-	0.00	326.80
10/04/94		09.89	-	0.00	326.19

TABLE 1
GROUND WATER ELEVATIONS

Montgomery Ward Auto Service Center
Enea Properties
Dublin, California

Date Measured	Elevation of top surface of PVC well casing (feet MSL)	Measured depth to ground water (feet bgs)	Measured depth to Product	Product Thickness	Ground water elevation (feet MSL)
01/18/95		07.76	-	0.00	328.32
04/20/95		07.66	-	0.00	328.42
NOTES:					
NI	Not installed, NM - Not measured				
MSL	Mean Sea Level				
bgs	below ground surface				
Depth to water is as measured from the cut notch at the top side of each PVC well casing.					
The elevations of all wells were surveyed in October 1993 to City of Dublin Benchmark No. DUB-680 (elevation=331.60 MSL), located along Dublin Boulevard, 0.60 miles easterly from San Ramon Road.					
All depth to water measurements were converted to MSL elevations using well casing elevation datum surveyed on 10/14/93.					
Wells B-5, B-12, B-15, B-16, MW-100, MW-101 and MW-102 are owned by Montgomery Ward and are associated with 7575 Dublin Blvd.					
Wells MW-1, MW-2, MW-3, MW-4 and EW-1 are owned by Enea Properties and are located at Amador Plaza Road and Dublin Boulevard.					
DTP:1233:ELEV.XLS					

TABLE 2

ANALYTICAL TESTING RESULTS

Montgomery Ward Auto Service Center

ENEA Properties

Dublin, California

Parts per billion (ppb)

Page 1 of 4

Compounds	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
Well B-5						
04-16-92	4400	670	160	280	320	ND
07-24-92	31000	5400	2600	2200	5800	ND
10-22-92	9100	1100	190	520	740	ND
01-15-93	2300	530	160	300	470	7.9
04-15-93	4900	600	160	470	390	ND
07-14-93	8800	590	210	840	1100	9.9
10-14-93	4500	530	46	490	350	ND
01-13-94	120	15	1.9	12	11	ND
04-04-94	5700	450	39	350	400	ND
07-05-94	2200	69	13	150	95	ND
10-03-94	4700	190	38	510	570	ND
01-18-95	2200	53	27	120	280	ND
04-21-95	5800	90	74	300	910	4.0
Well B-10						
04-16-92	7300	1400	640	880	1100	ND
07-24-92	27000	3800	1600	2000	4000	ND
10-22-92	16000	2300	340	1100	1200	ND
01-15-93	10000	1400	310	730	1100	13
04-15-93	8100	580	270	810	580	19
07-14-93	6400	840	120	750	800	7.1
10-14-93	100000	720	120	930	1100	ND
01-13-94	18000	990	180	1300	2400	ND
04-04-94	12000	370	96	900	1800	ND
07-05-94	7800	170	50	550	810	ND
10-03-94	6300	120	33	480	630	ND
01-18-95	3300	38	28	160	450	2.9
04-21-95	4200	39	8.6	220	310	ND
Well B-12						
04-16-92	12000	1300	1100	510	1200	ND
07-24-92	12000	1000	630	520	1000	ND
10-22-92	11000	370	230	400	940	ND
01-15-93	120	2.8	ND	1.6	3.6	11
04-15-93	7100	730	240	350	570	ND
07-14-93	4500	540	97	380	610	ND
10-14-93	11000	710	170	650	1600	ND
01-13-94	6000	330	100	330	620	24
04-04-94	8700	350	58	350	660	ND
07-05-94	8800	250	340	370	920	ND
10-03-94	1300	63	42	110	140	ND
01-18-95	5000	93	65	190	510	ND
04-21-95	14000	190	320	420	1500	ND

TABLE 2

ANALYTICAL TESTING RESULTS

Montgomery Ward Auto Service Center
 ENEA Properties
 Dublin, California
 Parts per billion (ppb)

Compounds	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
Well B-15						
04-16-92	65	4.4	2.4	6.1	2.8	ND
07-24-92	ND	3.6	1.5	3.1	1.6	ND
10-22-92	ND	1.7	0.89	0.78	0.88	ND
01-15-93	ND	ND	ND	ND	ND	13
04-15-93	ND	2.8	ND	3.0	1.5	ND
07-14-93	ND	ND	ND	0.57	0.74	7.8
10-14-93	ND	0.96	2.6	1.3	3.6	25
01-13-94	ND	ND	0.92	0.70	2	ND
04-04-94	ND	ND	ND	0.56	1	ND
07-05-94	ND	ND	ND	ND	ND	ND
10-03-94	ND	ND	ND	ND	ND	ND
01-18-95	ND	ND	0.69	ND	2.2	ND
04-21-95	ND	ND	1.0	ND	2.5	ND
Well B-16						
04-16-92	1300	390	1.7	35	9.3	ND
07-24-92	1600	120	5.7	120	410	ND
10-22-92	1000	76	ND	55	130	ND
01-15-93	160	6.5	0.86	2.3	2.6	5.5
04-15-93	300	65	ND	13	2	ND
07-14-93	170	5.9	ND	4.6	12	ND
10-14-93	390	11	2.4	16	45	21
01-13-94	350	8.7	0.62	25	68	ND
04-04-94	550	8.7	ND	35	81	ND
07-05-94	850	14	5.6	52	130	ND
10-03-94	210	5.3	ND	26	5.8	ND
01-18-95	ND	ND	0.94	ND	1.3	2.7
04-21-95	ND	ND	0.66	ND	ND	ND
Well MW-100						
05-13-93	13000	83	ND	960	820	NA
07-14-93	13000	32	ND	1400	790	8
10-14-93	7500	48	16	900	520	22
01-13-94	7000	51	ND	590	330	ND
04-04-94	9800	69	ND	540	410	ND
07-05-94	5900	31	8.7	190	190	ND
10-03-94	3900	ND	ND	220	200	ND
01-18-95	3700	48	31	190	120	2.8
04-21-95	3100	10	ND	130	44	ND
Well MW-101						
05-13-93	ND	ND	ND	ND	ND	NA
07-14-93	ND	ND	ND	ND	ND	11
10-14-93	ND	0.65	0.89	ND	1.1	ND
01-13-94	ND	ND	ND	ND	ND	28

TABLE 2

ANALYTICAL TESTING RESULTS

Montgomery Ward Auto Service Center
 ENEA Properties
 Dublin, California
 Parts per billion (ppb)

Page 3 of 4

Compounds	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
04-04-94	ND	ND	ND	ND	ND	ND
07-05-94	ND	ND	ND	ND	ND	ND
10-03-94	ND	ND	ND	ND	ND	ND
01-18-95	ND	ND	ND	ND	ND	2.6
04-21-95	ND	ND	ND	ND	ND	ND
Well MW-102						
05-13-93	3600	17	ND	130	63	NA
07-14-93	1500	13	ND	64	4.9	ND
10-14-93	24000	9.6	5.2	60	60	ND
01-13-94	2000	22	ND	26	55	ND
04-04-94	2100	16	2.5	15	35	ND
07-05-94	1300	7	2.9	10	23	ND
10-03-94	620	5.1	ND	5.2	11	ND
01-18-95	440	ND	ND	3.0	5.3	3.7
04-21-95	250	ND	0.78	0.96	0.63	ND
EFFLUENT						
04-15-93	ND	ND	ND	ND	ND	ND
07-14-93	ND	ND	ND	ND	ND	ND
10-14-93	ND	ND	ND	ND	0.97	48
01-13-94	ND	ND	ND	ND	ND	ND
04-04-94	ND	ND	ND	ND	ND	33
07-05-94	ND	ND	ND	ND	ND	ND
10-03-94	ND	ND	ND	ND	ND	ND
01-18-95	ND	ND	ND	ND	ND	ND
04-21-95	ND	1.0	ND	ND	ND	ND
ENEA MW-1						
10-14-93	5700	76	19	160	460	ND
04-04-94	7000	27	ND	260	49	ND
07-05-94	5100	23	ND	260	50	ND
10-03-94	4400	8.1	ND	170	50	ND
01-18-95	2000	7.1	2.4	47	5.5	2.2
04-21-95	1400	2.9	9.0	22	1.2	5.8
ENEA MW-2						
10-14-93	ND	ND	ND	1.1	0.71	21
04-04-94	ND	ND	ND	ND	ND	21
07-05-94	ND	ND	ND	ND	ND	ND
10-03-94	590	1.1	ND	22	6.5	ND
01-18-95	ND	ND	ND	ND	ND	2.4
04-21-95	ND	ND	ND	ND	ND	ND

TABLE 2

ANALYTICAL TESTING RESULTS

Montgomery Ward Auto Service Center
 ENEA Properties
 Dublin, California
 Parts per billion (ppb)

Page 4 of 4

Compounds	TPH-G	Benzene	Toluene	Ethylbenzene	Xylenes	Lead
ENEA MW-3						
10-14-93	2600	26	30	100	130	ND
04-04-94	2600	13	3.4	90	140	ND
07-05-94	3400	15	5	31	48	ND
10-03-94	1400	6.3	ND	31	36	ND
01-18-95	2300	5.1	1.6	2.9	18	2.1
04-21-95	1900	5.3	ND	7.5	4.2	ND
ENEA MW-4						
04-04-94	ND	ND	ND	ND	ND	23
07-05-94	ND	ND	0.5	ND	0.62	ND
10-03-94	ND	ND	ND	ND	ND	ND
01-18-95	ND	ND	0.87	ND	ND	7.2
04-21-95	ND	ND	1.7	ND	ND	2.8

NOTE:

ND Not Detected
 NA Not Analyzed

DTP:1233 ANALYTIC.DOC

TABLE 3

FLOW METER READINGS
 Montgomery Ward Auto Service Center
 Dublin, California

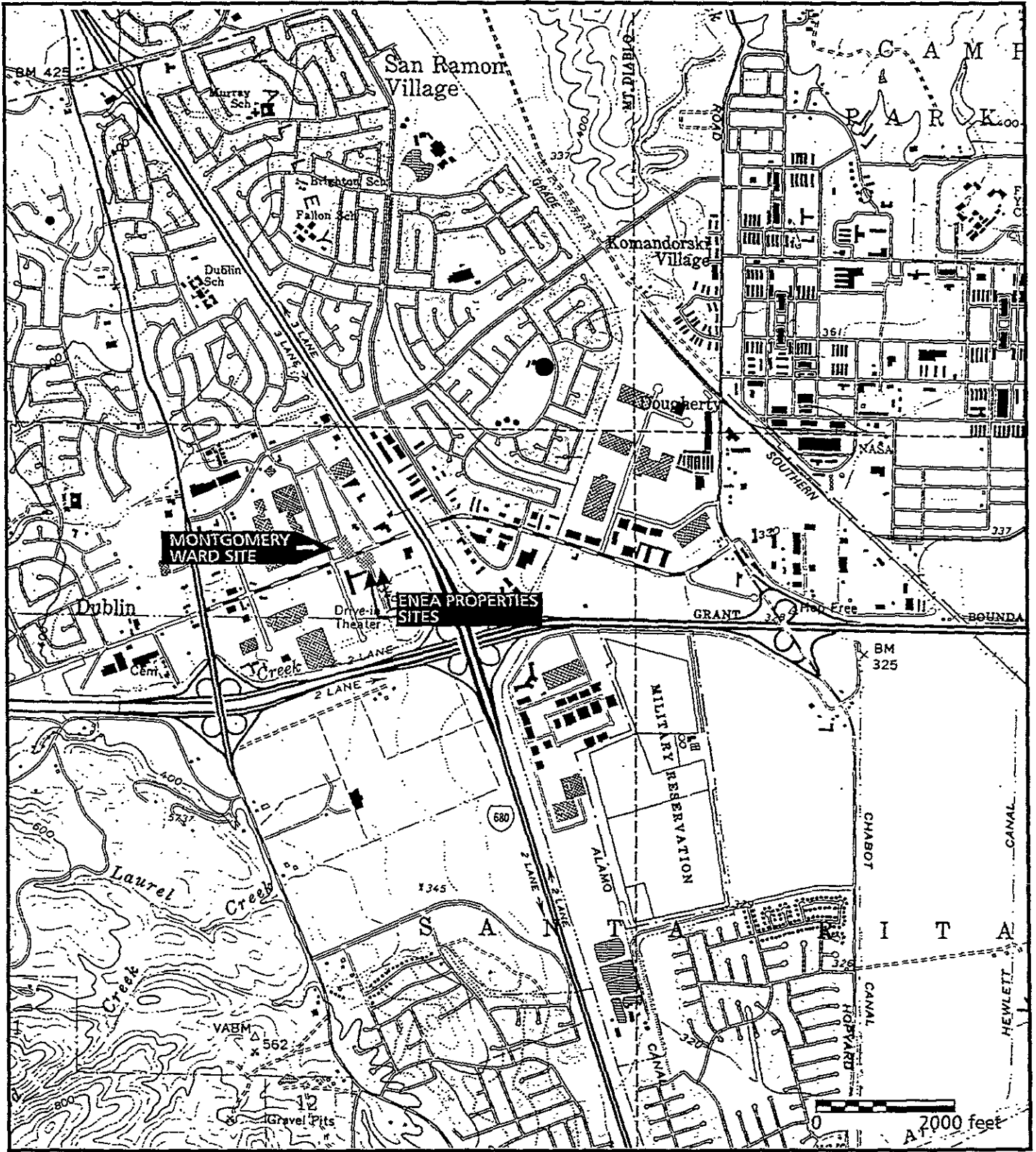
DATE	FLOW METER READING (in gallons)	AVERAGE GPM
04/15/94	402,210	
04/22/94	458,320	5.57
04/26/94	488,950	5.32
05/03/94	491,750	0.28
05/20/94	639,200	6.02
06/03/94	759,790	5.98
06/29/94	941,580	4.86
07/06/94	999,750	5.77
07/12/94	999,906	0.02
07/19/94	1,006,600	0.66
07/22/94	1,032,828	6.07
08/02/94	1,102,920	4.43
08/11/94	1,169,050	5.10
08/18/94	1,226,910	5.74
09/02/94	1,284,880	2.68
09/16/94	1,349,350	3.20
09/30/94	1,390,510	2.04
10/04/94	1,419,110	4.97
10/14/94	1,471,530	3.64
10/16/94	1,482,270	3.73
10/21/94	1,504,630	3.11
11/09/94	1,607,260	3.75
11/18/94	1,659,920	4.06
12/02/94	1,746,840	4.31
12/16/94	1,844,050	4.82
01/03/95	1,913,930	2.70
01/18/95	1,994,670	3.73
01/19/95	1,997,480	1.95
02/04/95	1,997,480	0.00
02/18/95	2,065,120	3.36
02/24/95	2,113,210	5.57
03/04/95	2,160,520	4.11
03/14/95	2,216,350	3.88
03/25/95	2,263,180	2.96
04/04/95	2,322,830	4.14
04/14/95	2,361,020	2.65
04/20/95	2,361,020	0.00
04/21/95	2,367,000	4.15
	AVERAGE	3.68

VOLUME SINCE 04/15/1994 = 1,964,790 Gal

GPM- Gallons per minute

JRC:WORD:1233FLOW

FIGURES



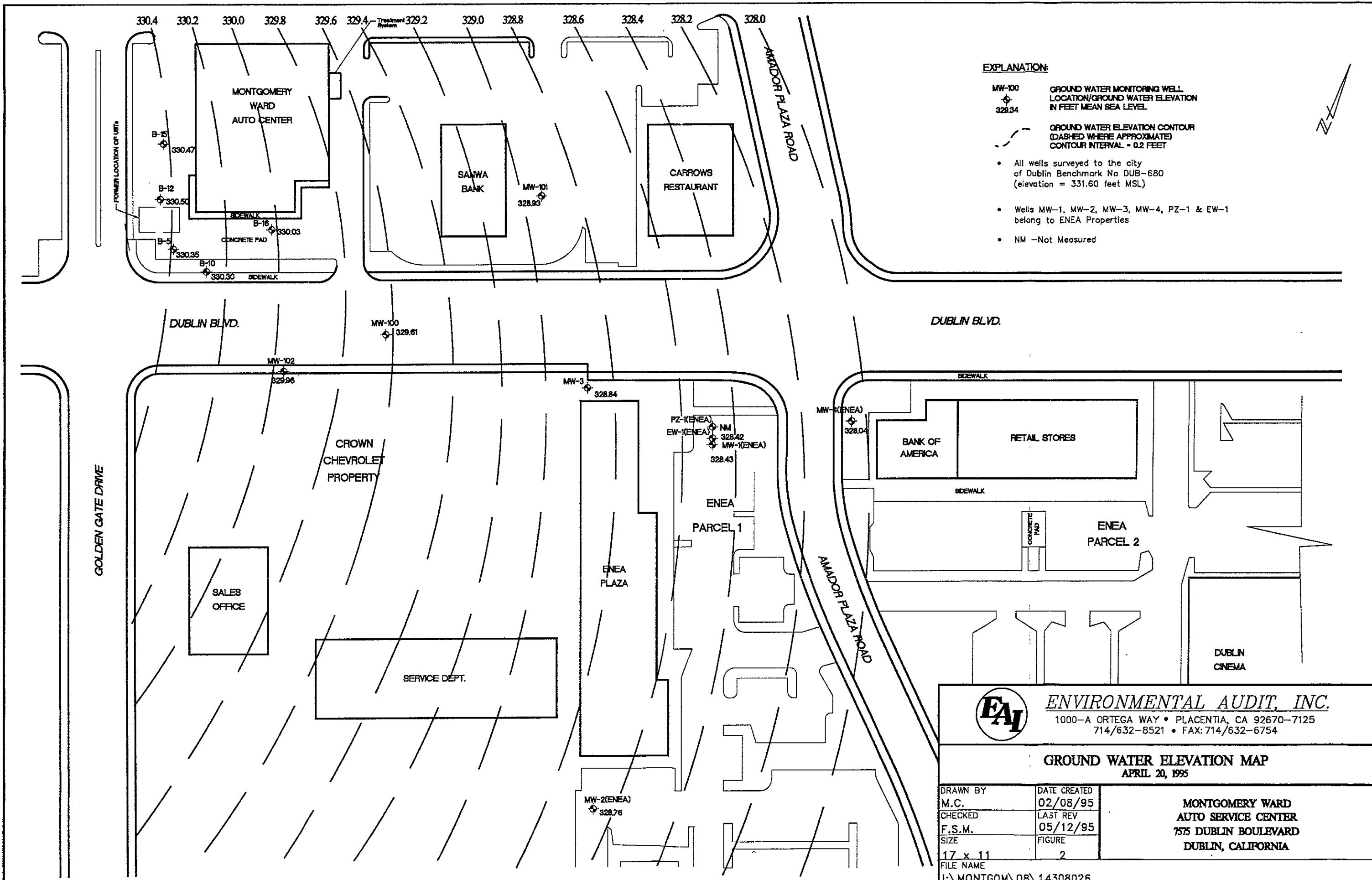
Environmental Audit, Inc.

LOCATION MAP
Montgomery Ward Auto Service Center
Enea Properties
Dublin, California

SOURCE: USGS TOPOGRAPHIC 7.5 MINUTE SERIES
 DUBLIN, CALIFORNIA QUADRANGLE

Project No. 1233
 K:\1233\1233-LM.CDR

Figure 1



EXPLANATION:

MW-100
 ⬤
 329.84
 GROUND WATER MONITORING WELL
 LOCATION/GROUND WATER ELEVATION
 IN FEET MEAN SEA LEVEL

 GROUND WATER ELEVATION CONTOUR
 (DASHED WHERE APPROXIMATE)
 CONTOUR INTERVAL = 0.2 FEET

- All wells surveyed to the city of Dublin Benchmark No DUB-680 (elevation = 331.60 feet MSL)
- Wells MW-1, MW-2, MW-3, MW-4, PZ-1 & EW-1 belong to ENEA Properties
- NM -Not Measured



ENVIRONMENTAL AUDIT, INC.

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

GROUND WATER ELEVATION MAP
 APRIL 20, 1995

DRAWN BY M.C.	DATE CREATED 02/08/95
CHECKED F.S.M.	LAST REV 05/12/95
SIZE 17 x 11	FIGURE 2
FILE NAME I:\MONTGOM\08\14308026	

**MONTGOMERY WARD
 AUTO SERVICE CENTER
 7575 DUBLIN BOULEVARD
 DUBLIN, CALIFORNIA**

APPENDICES

APPENDIX A

GROUND WATER Sampling Log



ENVIRONMENTAL AUDIT, INC.

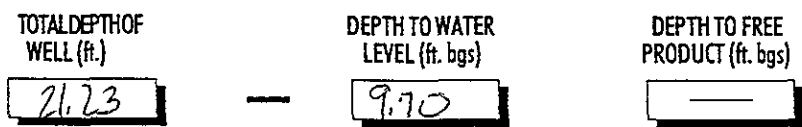
Planning, Environmental Analyses and Hazardous Substances Management and Remediation

1000 ORTEGA WAY, SUITE A (714) 632-8521
PLACENTIA, CA 92670-7125 FAX (714) 632-6754

DATE:	4/10/95
PROJECT NO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELL NO.:	B-5
WELL DIAMETER (INCHES):	2"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:



WELL CASING ID (inches)	VOLUME FACTOR
2.0	0.16
4.0	0.65
6.0	1.47

11.53 x 0.16 = 1.84

WELL VOLUME FACTOR = ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs.): START 11:36 STOP 11:42

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Whale Supersub 921

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 ²	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
1.5	62.9	6.92	7.13	96.4		
3	63.9	7.12	6.94	46.5		
4.5	64.9	7.27	6.86	32.4		
6	64.1	7.19	6.79	18.3		

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs.): 12:30

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Voss Technologies Disposable

COMMENTS:

GROUND WATER Sampling Log



ENVIRONMENTAL AUDIT, INC.

Planning, Environmental Analyses and Hazardous Substances Management and Remediation

1000 ORTEGA WAY, SUITE A (714) 632 - 8521
 PLACENTIA, CA 92670-7125 FAX (714) 632 - 6754

DATE:	4/20/95
PROJECT NO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELL NO.:	B-10
WELL DIAMETER (INCHES):	2"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:

TOTAL DEPTH OF WELL (ft.)	DEPTH TO WATER LEVEL (ft. bgs)	DEPTH TO FREE PRODUCT (ft. bgs)
20.	9.90	—

WELL CASING ID (inches)	VOLUME FACTOR
2.0	0.16
4.0	0.65
6.0	1.47

$$20. \times 0.16 = 10.60$$

$$10.60 \times 0.16 = 1.70$$

PURGE TIME (hrs.): START 11:46 STOP 11:50

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Whale Supersub 921

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 ²	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
1.5	61.8	6.70	7.17	7200		
3	62.5	6.99	6.85	121.2		
4.5	61.6	6.89	6.72	59.1		
6.	62.4	6.98	6.75	32.4		

WELL SAMPLING INFORMATION

TIMESAMPLED (hrs.): 12:40

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Voss Technologies Disposable

COMMENTS:

GROUND WATER Sampling Log



ENVIRONMENTAL AUDIT, INC.®

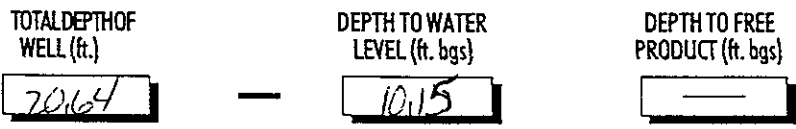
Planning, Environmental Analyses and Hazardous Substances Management and Remediation

1000 ORTEGA WAY, SUITE A PLACENTIA, CA 92670-7125 (714) 632-8521 FAX (714) 632-6754

DATE:	4/20/95
PROJECT NO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELL NO.:	B-15
WELL DIAMETER (INCHES):	4"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:



WELL CASING ID (inches)	VOLUME FACTOR
2.0	0.16
4.0	0.65
6.0	1.47

$10.49 \times 0.65 = 6.82$
 ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs.): START 11:58 STOP 12:12

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Whale Supersub 921

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 <input type="checkbox"/>	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
5	60.5	7.15 x 10 ²	7.45	43.0		
10	63.4	7.33 x 10 ²	7.09	16.66		
15	63.6	7.42 x 10 ²	6.98	9.18		
20	64.2	7.51 x 10 ²	6.96	5.24		
25	64.6	7.52 x 10 ²	6.94	4.55		

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs.): 13:07

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Voss Technologies Disposable

COMMENTS:

GROUND WATER Sampling Log



ENVIRONMENTAL AUDIT, INC.

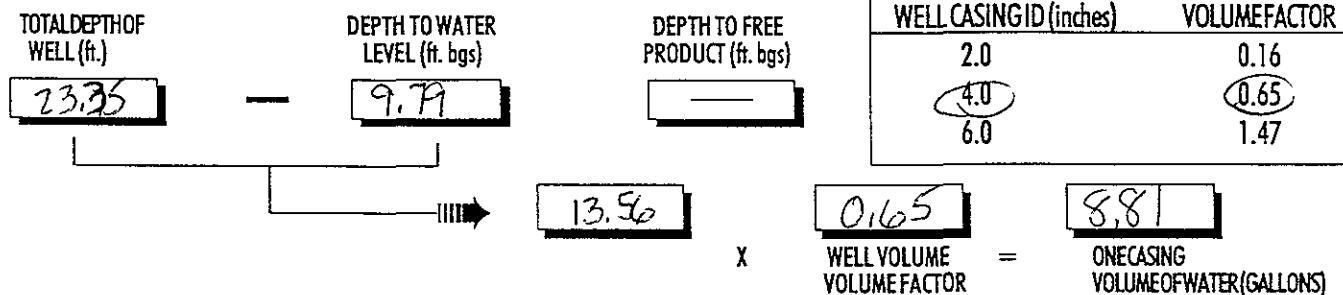
Planning, Environmental Analyses and Hazardous Substances Management and Remediation

1000 ORTEGA WAY, SUITE A PLACENTIA, CA 92670-7125
 (714) 632-8521 FAX (714) 632-6754

DATE:	4-20-1995
PROJECT NO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELL NO.:	B-16
WELL DIAMETER (INCHES):	4"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:



PURGE TIME (hrs.): START 15:33 STOP 15:54

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Whale Supersub 921

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 ²	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
5	66.5	4.44 x 10 ²	6.97	8.51		
10	65.8	3.85 x 10 ²	6.81	4.45		
15	65.9	4.42 x 10 ²	6.80	3.21		
20	65.9	4.42 x 10 ²	6.78	3.10		
25	65.8	4.43 x 10 ²	6.76	2.43		
30	65.7	4.42 x 10 ²	6.79	2.51		

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs.): 16:45

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Voss Technologies Disposable

COMMENTS: _____

GROUND WATER Sampling Log



ENVIRONMENTAL AUDIT, INC.®

Planning, Environmental Analyses and Hazardous Substances Management and Remediation

1000 ORTEGA WAY, SUITE A ☎ (714) 632 - 8521
PLACENTIA, CA 92670-7125 ☎ (714) 632 - 6754

DATE:	4/20/95
PROJECT NO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELL NO.:	EWEA MW-1
WELL DIAMETER (INCHES):	4"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:

TOTAL DEPTH OF WELL (ft.)	DEPTH TO WATER LEVEL (ft. bgs)	DEPTH TO FREE PRODUCT (ft. bgs)	WELL VOLUME FACTORS	
15.10	7.41	—	WELL CASING ID (inches)	VOLUME FACTOR
			2.0	0.16
			4.0	0.65
			6.0	1.47
$15.10 - 7.41 = 7.69$			$7.69 \times 0.65 = 5.00$	ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs.): START 17:40 STOP 17:50

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Whale Supersub 921

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 <input type="checkbox"/>	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
5	62.6	7.38 x 10 ²	8.10	5.76		
10	63.4	7.41 x 10 ²	7.93	6.00		
15	63.2	7.34 x 10 ²	8.04	3.50		
20	63.3	7.47 x 10 ²	7.55	2.49		

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs.): 18:30

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Voss Technologies Disposable

COMMENTS: _____

GROUND WATER Sampling Log


ENVIRONMENTAL AUDIT, INC.
*Planning, Environmental Analyses and Hazardous
Substances Management and Remediation*

 1000 ORTEGA WAY, SUITE A ☎ (714) 632 - 8521
 PLACENTIA, CA 92670-7125 ☎ (714) 632 - 6754

DATE:	4/21/95
PROJECT NO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELL NO.:	EWEA MW-2
WELL DIAMETER (INCHES):	4"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:

TOTAL DEPTH OF WELL (ft.)	DEPTH TO WATER LEVEL (ft. bgs)	DEPTH TO FREE PRODUCT (ft. bgs)	WELL CASING ID (inches)	VOLUME FACTOR
14.71	6.85	—	2.0	0.16
			4.0	0.65
			6.0	1.47

14.71	—	6.85	—	7.86
			0.65	5.11
			WELL VOLUME VOLUME FACTOR	ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs.): START 8:35 STOP 8:46

 METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Whale Supersub 921

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 <input type="checkbox"/>	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
5	59.2	8.00 x 10 ²	8.06	34.1		
10	61.2	8.18 x 10 ²	6.68	13.77		
15	61.6	8.21 x 10 ²	6.75	5.29		
20	61.3	8.11 x 10 ²	6.80	3.19		

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs.): 9:10

 METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Voss Technologies Disposable

COMMENTS:

GROUND WATER Sampling Log



ENVIRONMENTAL AUDIT, INC.

Planning, Environmental Analyses and Hazardous Substances Management and Remediation

1000 ORTEGA WAY, SUITE A PLACENTIA, CA 92670-7125
 (714) 632-8521 (714) 632-6754

DATE:	4/20/95
PROJECT NO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELL NO.:	EWEA MW 3
WELL DIAMETER (INCHES):	4"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:

TOTAL DEPTH OF WELL (ft.) **15.10** — DEPTH TO WATER LEVEL (ft. bgs) **8.09** — DEPTH TO FREE PRODUCT (ft. bgs) **—**

WELL CASING ID (inches)	VOLUME FACTOR
2.0	0.16
4.0	0.65
6.0	1.47

$$\begin{aligned}
 & \text{15.10} - \text{8.09} = \text{7.01} \\
 & \text{7.01} \times \text{0.65} = \text{4.56} \\
 & \text{ONE CASING VOLUME OF WATER (GALLONS)}
 \end{aligned}$$

PURGE TIME (hrs.): START **16:55** STOP **17:00**

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: **Whale Supersub 921**

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 <input type="checkbox"/>	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
5	64.1	7.07 x 10 ²	8.21	10.05		
10	65.2	7.19 x 10 ²	7.23	6.05		
15	65.5	7.16 x 10 ²	6.95	3.17		

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs.): **17:40**

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: **Voss Technologies Disposable**

COMMENTS: _____

GROUND WATER Sampling Log


ENVIRONMENTAL AUDIT, INC.®

*Planning, Environmental Analyses and Hazardous
Substances Management and Remediation*

 1000 ORTEGA WAY, SUITE A ☎ (714) 632 - 8521
 PLACENTIA, CA 92670-7125 ☎ (714) 632 - 6754

DATE:	4/20/95
PROJECTNO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELLNO.:	EWEK-MR-4
WELLDIAMETER(INCHES):	2"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:

TOTAL DEPTH OF WELL (ft.)	DEPTH TO WATER LEVEL (ft. bgs)	DEPTH TO FREE PRODUCT (ft. bgs)	WELL CASING ID (inches)	VOLUME FACTOR
22.30	7.72	—	2.0	0.16
			4.0	0.65
			6.0	1.47

22.30	—	7.72	—	14.58	x	0.16	=	2.33
						WELL VOLUME VOLUME FACTOR		ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs.): START 17:16 STOP 5:21

 METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Whale Supersub 921

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 ²	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
2	64.0	7.97	7.21	>200		
4	63.9	8.01	6.85	>200		
6	64.2	7.95	6.72	41.9		
8	64.1	7.98	6.65	58.9		

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs.): 17:55

 METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Voss Technologies Disposable

COMMENTS:

GROUND WATER Sampling Log



ENVIRONMENTAL AUDIT, INC.

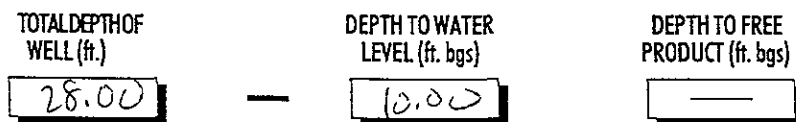
Planning, Environmental Analyses and Hazardous Substances Management and Remediation

1000 ORTEGA WAY, SUITE A PLACENTIA, CA 92670-7125
 (714) 632-8521 (714) 632-6754

DATE:	4/20/95
PROJECT NO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELL NO.:	MW-100
WELL DIAMETER (INCHES):	4"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:



WELL CASING ID (inches)	VOLUME FACTOR
2.0	0.16
4.0	0.65
6.0	1.47

18.00 x 0.65 = 11.7
 WELL VOLUME FACTOR = ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs.): START 15:20 STOP 15:45

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Whale Supersub 921

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 <input type="checkbox"/>	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
5	66.8	7.00 x 10 ²	8.05	86.0		
10	67.9	7.31 x 10 ²	7.14	42.0		
15	67.6	7.24 x 10 ²	6.98	31.2		
20	67.6	7.32 x 10 ²	6.86	15.85		
25	68.8	7.36 x 10 ²	6.94	8.38		
30	68.1	7.32 x 10 ²	6.81	6.45		
35	67.5	7.27 x 10 ²	6.66	4.12		
40	67.5	6.96 x 10 ²	6.59	3.02		
45	67.4	7.19 x 10 ²	6.87	2.91		

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs.): 16:25

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Voss Technologies Disposable

COMMENTS:

GROUND WATER Sampling Log



ENVIRONMENTAL AUDIT, INC.®

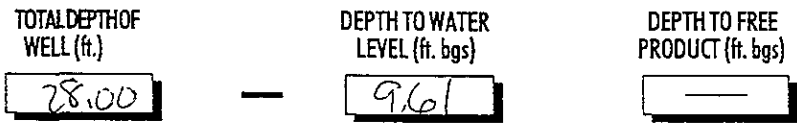
Planning, Environmental Analyses and Hazardous Substances Management and Remediation

1000 ORTEGA WAY, SUITE A PLACENTIA, CA 92670-7125 (714) 632 - 8521 FAX (714) 632 - 6754

DATE:	4/21/95
PROJECT NO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELL NO.:	MW-101
WELL DIAMETER (INCHES):	4"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:



WELL CASING ID (inches)	VOLUME FACTOR
2.0	0.16
4.0	0.65
6.0	1.47

18.39 x **0.65** = **11.95**
 ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs.): START **9:13** STOP **9:35**

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: **Whale Supersub 921**

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 [□]	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
5	56.4	7.24 x 10 ²	7.50	112.9		
10	59.8	7.78 x 10 ²	7.97	195.9		
15	58.7	7.95 x 10 ²	8.34	22.8		
20	58.9	4.44 x 10 ²	7.57	14.46		
25	61.9	4.53 x 10 ²	7.36	14.55		
30	62.2	4.59 x 10 ²	7.22	15.08		
35	61.7	4.46 x 10 ²	7.15	14.89		
40	62.4	4.60 x 10 ²	7.11	13.70		
45	61.7	4.56 x 10 ²	7.07	9.55		

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs.): **10:05**

METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: **Voss Technologies Disposable**

COMMENTS: _____

GROUND WATER Sampling Log


ENVIRONMENTAL AUDIT, INC.
*Planning, Environmental Analyses and Hazardous
Substances Management and Remediation*

 1000 ORTEGA WAY, SUITE A ☎ (714) 632 - 8521
 PLACENTIA, CA 92670-7125 ☎ (714) 632 - 6754

DATE:	7/20/95
PROJECT NO.:	1233
CLIENT:	Montgomery Ward, Dublin
WELL NO.:	MW-102
WELL DIAMETER (INCHES):	4"
SAMPLED BY:	AH/JRC

WELL PURGING INFORMATION

ONE CASING VOLUME OF WATER CALCULATED USING THE FOLLOWING:

TOTAL DEPTH OF WELL (ft.)	DEPTH TO WATER LEVEL (ft. bgs)	DEPTH TO FREE PRODUCT (ft. bgs)	WELL VOLUME FACTORS	
			WELL CASING ID (inches)	VOLUME FACTOR
28	9.27	—	2.0	0.16
			4.0	0.65
			6.0	1.47

$28 - 9.27 = 18.73$

$18.73 \times 0.65 = 12.17$

ONE CASING VOLUME OF WATER (GALLONS)

PURGE TIME (hrs.): START 14:35 STOP 14:55

 METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Whole Supersub 921

GALLONS PURGED	TEMP (°F)	CONDUCTIVITY (Micro-ohms/cm) x 10 <input type="checkbox"/>	pH	TURBIDITY (NTU)	DISSOLVED OXYGEN	REMARKS
5	67.3	7.37×10^2	8.09	42.4		
10	68.1	7.31×10^2	7.40	17.22		
15	68.4	7.32×10^2	7.10	13.04		
20	67.8	7.24×10^2	7.08	8.01		
25	67.3	7.21×10^2	7.14	4.51		
30	67.4	7.22×10^2	7.05	3.66		
35	67.2	7.23×10^2	7.15	3.03		
40	67.1	7.22×10^2	6.99	2.60		
45	66.6	7.11×10^2	6.83	2.68		

WELL SAMPLING INFORMATION

TIME SAMPLED (hrs.): 16:10

 METHOD: DOWN HOLE PUMP DEDICATED PUMP BAILER OTHER

TYPE/MODEL: Voss Technologies Disposable

COMMENTS:

APPENDIX B

ENVIRONMENTAL AUDIT, INC.®

Planning, Environmental Analyses and Hazardous Substances Management and Remediation

1000 ORTEGA WAY, SUITE A PLACENTIA, CA 92670-7125
 (714) 632 - 8521
 FAX (714) 632 - 6754

Chain of Custody Record

SAMPLING REQUIREMENTS: RCRA NPDES SDWA

WRITTEN QC REPORT

TURNAROUND TIME:

ROUTINE QC

SAME DAY 24hr 48hr NORMAL

RWQCB QC

PROJECT NO. 1233		PROJECT NAME <u>Montgomery Ward</u> 7575 Dublin Blvd, Dublin		CONTR TYPE	ANALYSES REQUESTED											NUMBER OF CONTAINERS	REMARKS
AMPLER (Signature with Printed Name) <i>John C. ...</i>				PROJECT MANAGER Frank Muramoto	GLASS	PLASTIC	BRASSY SS TUBE	TPH-D 8015M	TPH-G 8015M	TRPH 418.1	BTEX 8020	VOC 8240	EOC 8270	OIL & GREASE	CAM METALS TOT WET		
SAMPLE NUMBER	DATE	TIME	COMP GRAB	SAMPLE DESCRIPTION													
B-12	4/21/95	10:45		Water													
B-5	4/21/95	12:30		"													
B-10	"	12:40		"													
B-15	"	13:00		"													
MW-102	"	16:10		"													
MW-1002	"	16:25		"													
B-16	"	16:45		"													
																TOTAL NUMBER OF CONTAINERS	21

One 1-Liter Plastic Bottle (lead)
Two 40-ml VOA Vials (BTEX/TPH)

RELINQUISHED BY: (Signature/Name) <i>John C. ...</i>	DATE/TIME 4-21-95 11:12	RECEIVED BY: (Signature/Name) <i>Bill Lopez</i>	DATE/TIME 4-21-95 7:25	RECEIVED BY: (Signature/Name)	
RELINQUISHED BY: (Signature/Name)	DATE/TIME	RECEIVED BY: (Signature/Name) <i>Ameeta Patel</i>	DATE/TIME 4-21-95 4:50	RECEIVED BY: (Signature/Name)	
SAMPLES SHIPPED VIA: FEDEX <input type="checkbox"/> UPS <input type="checkbox"/> AIRBORNE <input type="checkbox"/> HAND <input checked="" type="checkbox"/> AIRFREIGHT <input type="checkbox"/>		SHIPPED BY: (Signature/Name)	COURIER: (Signature/Name)	RECEIVED FOR BY: (Signature/Name)	DATE/TIME
LAB. PC Analytical		AIRBILL #:			



ENVIRONMENTAL AUDIT, INC.®

Planning, Environmental Analyses and Hazardous Substances Management and Remediation

1000 ORTEGA WAY, SUITE A
PLACENTIA, CA 92670-7125

(714) 632-8521
(714) 632-6754

Chain of Custody Record

SAMPLING REQUIREMENTS: RCRA NPDES SDWA

WRITTEN QC REPORT

TURNAROUND TIME:

ROUTINE QC

SAME DAY 24hr 48hr NORMAL

RWOCB QC

REMARKS

NUMBER OF CONTAINERS

ANALYSES REQUESTED

CONTR TYPE

PROJECT NO.
1233

PROJECT NAME Montgomery Ward

7575 Dublin Blvd, Dublin

SAMPLER (Signature with Printed Name)

PROJECT MANAGER

Frank Muramoto

John L. Coimbra 2
John L. Coimbra

SAMPLE NUMBER	DATE	TIME	COMP GRAB	SAMPLE DESCRIPTION	GLASS	PLASTIC	BRASS/SS TUBE	TPH-D 8015M	TPH-G 8015M	TPH 418.1	BTEX 8020	VOC 8240	EOC 8270	OIL & GREASE	CAM METALS TOT WET	LEAD	HVOC 8010	NUMBER OF CONTAINERS	REMARKS
EWEA 1110-4	4/1/95	17:55		"	/	/	/	/	/	/	/	/	/	/	/	/	/	3	-9
EWPA 1110-1	4/1/95	18:30		"	/	/	/	/	/	/	/	/	/	/	/	/	/	3	-10
EWEA 1110-2	4/1/95	19:10		"	/	/	/	/	/	/	/	/	/	/	/	/	/	3	-11
Effluent	4/2/95	09:40		"	/	/	/	/	/	/	/	/	/	/	/	/	/	3	-12
1110-101	4/2/95	10:05		"	/	/	/	/	/	/	/	/	/	/	/	/	/	3	-13
TOTAL NUMBER OF CONTAINERS																		18	

RELINQUISHED BY: (Signature/Name)
John Coimbra 2

DATE/TIME
11:12
4/2/95

RECEIVED BY: (Signature/Name)
Bill Lyons

RELINQUISHED BY: (Signature/Name)
Bill Lyons

DATE/TIME
4/2/95
3:25

RECEIVED BY: (Signature/Name)

SHIPPED BY: (Signature/Name)

COURIER: (Signature/Name)

RECEIVED FOR BY: (Signature/Name)

DATE/TIME

SAMPLES SHIPPED VIA:
FEDEX UPS AIRBORNE
HAND AIRFREIGHT

LAB: BC Analytical

AIRBILL #:

APPENDIX C

ANALYTICAL REPORT

B C Analytical

1085 Shary Circle
 Concord, CA 94518
 510/825-3894
 Fax: 510/825-3924

LOG NO: G95-04-326

Received: 21 APR 95

Mailed: MAY 5 1995

RECEIVED

MAY 10 1995

ENVIRONMENTAL AUDIT

Mr. Frank Muramoto
 Environmental Audit
 1000 A Ortega Way
 Placentia, California 92670

Project: 1233

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLES	DATE SAMPLED				
04-326-1	B-12	21 APR 95				
04-326-2	B-5	20 APR 95				
04-326-3	B-10	20 APR 95				
04-326-4	B-15	20 APR 95				
04-326-5	MW-102	20 APR 95				
PARAMETER	04-326-1	04-326-2	04-326-3	04-326-4	04-326-5	
Lead (7421/239.2), mg/L	<0.002	0.0040	<0.002	<0.002	<0.002	
Furnace Digestion (3020), Date	04/25/95	04/25/95	04/25/95	04/25/95	04/25/95	
TPH (8015M/8020)						
Date Analyzed	04/24/95	04/24/95	05/01/95	04/24/95	05/01/95	
Dilution Factor, Times	50	5	10	1	1	
Benzene, ug/L	190	90	39	<0.5	<0.5	
Carbon Range, .	---	---	---	---	---	
Toluene, ug/L	320	74	8.6	1.0	0.78	
Ethylbenzene, ug/L	420	300	220	<0.5	0.96	
Total Xylene Isomers, ug/L	1500	910	310	2.5	0.63	
TPH (Gasoline Range), ug/L	14000	5800	4200	<50	250	



BC Analytical

1085 Shary Circle
Concord, CA 94518
510/825-3894
Fax: 510/825-3924

LOG NO: G95-04-326

Received: 21 APR 95

Mr. Frank Muramoto
Environmental Audit
1000 A Ortega Way
Placentia, California 92670

Project: 1233

REPORT OF ANALYTICAL RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLES	DATE SAMPLED			
04-326-6	MW-100	20 APR 95			
04-326-7	B-16	20 APR 95			
04-326-8	EWEA MW-3	20 APR 95			
04-326-9	EWEA MW-4	20 APR 95			
04-326-10	EWEA MW-1	20 APR 95			
PARAMETER	04-326-6	04-326-7	04-326-8	04-326-9	04-326-10
Lead (7421/239.2), mg/L	<0.002	<0.002	<0.002	0.0028	0.0058
Furnace Digestion (3020), Date	04/25/95	04/25/95	04/25/95	04/25/95	04/25/95
TPH (8015M/8020)					
Date Analyzed	05/01/95	05/01/95	05/01/95	04/25/95	05/02/95
Dilution Factor, Times	5	1	1	1	1
Benzene, ug/L	10	<0.5	5.3	<0.5	2.9
Toluene, ug/L	<3	0.66	<0.5	1.7	9.0
Ethylbenzene, ug/L	130	<0.5	7.5	<0.5	22
Total Xylene Isomers, ug/L	44	<0.5	4.2	<0.5	1.2
TPH (Gasoline Range), ug/L	3100	<50	1900	<50	1400
Other TPH (8015M/8020)	---	---	---	---	---

BCA

BC Analytical

1085 Shary Circle
Concord, CA 94518
510/825-3894
Fax: 510/825-3924

LOG NO: G95-04-326

Received: 21 APR 95

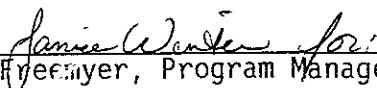
Mr. Frank Muramoto
Environmental Audit
1000 A Ortega Way
Placentia, California 92670

Project: 1233

REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLES	DATE SAMPLED		
04-326-11	EWEA MW-2	20 APR 95		
04-326-12	Effluent	21 APR 95		
04-326-13	MW-101	21 APR 95		
PARAMETER		04-326-11	04-326-12	04-326-13
Lead (7421/239.2), mg/L		<0.002	<0.002	<0.002
Furnace Digestion (3020), Date		04/25/95	04/25/95	04/25/95
TPH (8015M/8020)				
Date Analyzed		04/24/95	04/25/95	04/25/95
Dilution Factor, Times		1	1	1
Benzene, ug/L		<0.5	1.0	<0.5
Toluene, ug/L		<0.5	<0.5	<0.5
Ethylbenzene, ug/L		<0.5	<0.5	<0.5
Total Xylene Isomers, ug/L		<0.5	<0.5	<0.5
TPH (Gasoline Range), ug/L		<50	<50	<50
Other TPH (8015M/8020)		---	---	---


Jane Freemyer, Program Manager

BCA

SAMPLES...	SAMPLE DESCRIPTION..	DETERM.....	DATE.....	METHOD.....	EQUIP.	BATCH..	ID.NO
			ANALYZED				
9504326*1	B-12	PB,GFA	04.25.95	7421	534-07	95489	7396
		GAS.BTX.TESNC	04.24.95	8015M.TX	516-20	958121	8658
		DIG,AQ,GFA	04.25.95	3020		95488	7620
9504326*2	B-5	PB,GFA	04.25.95	7421	534-07	95489	7396
		GAS.BTX.TESNC	04.24.95	8015M.TX	516-20	958121	8658
		DIG,AQ,GFA	04.25.95	3020		95488	7620
9504326*3	B-10	PB,GFA	04.25.95	7421	534-07	95489	7396
		GAS.BTX.TESNC	05.01.95	8015M.TX	516-24	957205	8658
		DIG,AQ,GFA	04.25.95	3020		95488	7620
9504326*4	B-15	PB,GFA	04.25.95	7421	534-07	95489	7396
		GAS.BTX.TESNC	04.24.95	8015M.TX	516-20	958121	8658
		DIG,AQ,GFA	04.25.95	3020		95488	7620
9504326*5	MW-102	PB,GFA	04.25.95	7421	534-07	95489	7396
		GAS.BTX.TESNC	05.01.95	8015M.TX	516-24	957205	8658
		DIG,AQ,GFA	04.25.95	3020		95488	7620
9504326*6	MW-100	PB,GFA	04.25.95	7421	534-07	95489	7396
		GAS.BTX.TESNC	05.01.95	8015M.TX	516-24	957205	8658
		DIG,AQ,GFA	04.25.95	3020		95488	7620
9504326*7	B-16	PB,GFA	04.25.95	7421	534-07	95489	7396
		GAS.BTX.TESNC	05.01.95	8015M.TX	516-24	957205	8658
		DIG,AQ,GFA	04.25.95	3020		95488	7620
9504326*8	EWEA MW-3	PB,GFA	04.25.95	7421	534-04	95489	7396
		GAS.BTX.TESNC	05.01.95	8015M.TX	516-24	957205	8658
		DIG,AQ,GFA	04.25.95	3020		95489	7620
9504326*9	EWEA MW-4	PB,GFA	04.25.95	7421	534-04	95489	7396
		GAS.BTX.TESNC	04.25.95	8015M.TX	516-20	958121	8658
		DIG,AQ,GFA	04.25.95	3020		95489	7620
9504326*10	EWEA MW-1	PB,GFA	04.25.95	7421	534-04	95489	7396
		GAS.BTX.TESNC	05.02.95	8015M.TX	516-24	957205	8658
		DIG,AQ,GFA	04.25.95	3020		95489	7620
9504326*11	EWEA MW-2	PB,GFA	04.25.95	7421	534-04	95489	7396
		GAS.BTX.TESNC	04.24.95	8015M.TX	516-20	958121	8658
		DIG,AQ,GFA	04.25.95	3020		95489	7620
9504326*12	Effluent	PB,GFA	04.25.95	7421	534-04	95489	7396
		GAS.BTX.TESNC	04.25.95	8015M.TX	516-20	958121	8658
		DIG,AQ,GFA	04.25.95	3020		95489	7620
9504326*13	MW-101	PB,GFA	04.25.95	7421	534-04	95489	7396
		GAS.BTX.TESNC	04.25.95	8015M.TX	516-20	958121	8658
		DIG,AQ,GFA	04.25.95	3020		95489	7620

Notes: Equipment = BC Analytical identification number for a particular piece of analytical equipment.

ID.NO = BC Analytical employee identification number of analyst.

BC ANALYTICAL

ORDER QC REPORT FOR G9504326

DATE REPORTED : 05/05/95

Page 1

LABORATORY CONTROL STANDARDS
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER	DATE ANALYZED	BATCH NUMBER	LC RESULT	LT RESULT	UNIT	PERCENT RECOVERY
1 Lead (7421/239.2)	04.25.95	C5041890*1 95489	0.0434	0.0500	mg/L	87
2 TPH (8015M/8020)		C505153*1				
Date Analyzed	04.24.95	958121	04/24/95	04/24/95	Date	N/A
Benzene	04.24.95	958121	14.6	12.5	ug/L	117
Toluene	04.24.95	958121	62.0	55.5	ug/L	112
Ethylbenzene	04.24.95	958121	12.0	12.5	ug/L	96
Total Xylene Isomers	04.24.95	958121	60.1	66.5	ug/L	90
TPH (Gasoline Range)	04.24.95	958121	867	1000	ug/L	87
3 TPH (8015M/8020)		C505154*1				
Date Analyzed	04.24.95	958121	04/24/95	04/24/95	Date	N/A
Benzene	04.24.95	958121	14.8	12.5	ug/L	118
Toluene	04.24.95	958121	60.6	55.5	ug/L	109
Ethylbenzene	04.24.95	958121	11.9	12.5	ug/L	95
Total Xylene Isomers	04.24.95	958121	59.4	66.5	ug/L	89
TPH (Gasoline Range)	04.24.95	958121	873	1000	ug/L	87
4 TPH (8015M/8020)		C505481*1				
Date Analyzed	05.01.95	957205	05/01/95	05/01/95	Date	N/A
Benzene	05.01.95	957205	11.6	12.5	ug/L	93
Toluene	05.01.95	957205	56.3	55.5	ug/L	101
Ethylbenzene	05.01.95	957205	13.4	12.5	ug/L	107
Total Xylene Isomers	05.01.95	957205	62.2	66.5	ug/L	94
TPH (Gasoline Range)	05.01.95	957205	738	1000	ug/L	74

BC ANALYTICAL

ORDER QC REPORT FOR G9504326

DATE REPORTED : 05/05/95

Page 1

ADDITIONAL LCS PRECISION (DUPLICATES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	LC1 RESULT	LC2 RESULT	UNIT	RELATIVE % DIFF
1. TPH (8015M/8020)							
Date Analyzed		04.24.95	958121	04/24/95	04/24/95	Date	N/A
Benzene		04.24.95	958121	14.6	14.8	ug/L	1
Toluene		04.24.95	958121	62.0	60.6	ug/L	2
Ethylbenzene		04.24.95	958121	12.0	11.9	ug/L	1
Total Xylene Isomers		04.24.95	958121	60.1	59.4	ug/L	1
TPH (Gasoline Range)		04.24.95	958121	867	873	ug/L	1

BC ANALYTICAL

ORDER QC REPORT FOR G9504326

DATE REPORTED : 05/05/95

Page 1

MATRIX QC ACCURACY (SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS %	MSD %	TRUE RESULT	UNIT
1. Lead (7421/239.2)	9504326*13	04.25.95	95489	106	108	0.0200	mg/L
2. TPH (8015M/8020)	9504326*4						
Benzene		04.24.95	958121	108	116	12.5	ug/L
Toluene		04.24.95	958121	103	112	56.5	ug/L
Ethylbenzene		04.24.95	958121	95	102	12.5	ug/L
Total Xylene Isomers		04.24.95	958121	85	91	69.0	ug/L
TPH (Gasoline Range)		04.24.95	958121	86	90	1000	ug/L
3. TPH (8015M/8020)	9504326*7						
Benzene		05.01.95	957205	105	107	12.5	ug/L
Toluene		05.01.95	957205	95	104	56.2	ug/L
Ethylbenzene		05.01.95	957205	102	110	12.5	ug/L
Total Xylene Isomers		05.01.95	957205	88	96	66.5	ug/L
TPH (Gasoline Range)		05.01.95	957205	76	76	1000	ug/L

BC ANALYTICAL

ORDER QC REPORT FOR G9504326

DATE REPORTED : 05/05/95

Page 1

MATRIX QC PRECISION (DUPLICATE SPIKES)
BATCH QC REPORT

PARAMETER	SAMPLE NUMBER	DATE ANALYZED	BATCH NUMBER	MS RESULT	MSD RESULT	UNIT	RELATIVE % DIFF
1. Lead (7421/239.2)	9504326*13	04.25.95	95489	0.0211	0.0216	mg/L	2
2. TPH (E015M/8020)	9504326*4						
Date Analyzed		04.25.95	958121	04/25/95	04/25/95	Date	N/A
Benzene		04.25.95	958121	13.5	14.5	ug/L	7
Toluene		04.25.95	958121	58.2	62.9	ug/L	8
Ethylbenzene		04.25.95	958121	11.9	12.7	ug/L	7
Total Xylene Isomers		04.25.95	958121	59.1	62.8	ug/L	6
TPH (Gasoline Range)		04.25.95	958121	860	904	ug/L	5
3. TPH (8015M/8020)	9504326*7						
Date Analyzed		05.01.95	957205	05/01/95	05/01/95	Date	N/A
Benzene		05.01.95	957205	13.1	13.4	ug/L	2
Toluene		05.01.95	957205	53.7	58.2	ug/L	8
Ethylbenzene		05.01.95	957205	12.8	13.8	ug/L	8
Total Xylene Isomers		05.01.95	957205	58.8	64.0	ug/L	8
TPH (Gasoline Range)		05.01.95	957205	756	763	ug/L	1

BC ANALYTICAL

ORDER QC REPORT FOR G9504326

DATE REPORTED : 05/05/95

Page 1

METHOD BLANKS AND REPORTING DETECTION LIMIT (RDL)
FOR BATCHES WHICH INCLUDE THIS ORDER

PARAMETER		DATE ANALYZED	BATCH NUMBER	BLANK RESULT	RDL	UNIT	METHOD
1. Lead (7421/239.2)	B5041063*1	04.25.95	95489	0	0.002	mg/L	7421
2. TPH (8015M/8020)	B505071*1						
Date Analyzed		04.24.95	958121	04/24/95	NA	Date	8015M.TX
Benzene		04.24.95	958121	0	0.5	ug/L	8015M.TX
Toluene		04.24.95	958121	0.34	0.5	ug/L	8015M.TX
Ethylbenzene		04.24.95	958121	0	0.5	ug/L	8015M.TX
Total Xylene Isomers		04.24.95	958121	0.23	0.5	ug/L	8015M.TX
TPH (Gasoline Range)		04.24.95	958121	12	50	ug/L	8015M.TX
3. TPH (8015M/8020)	B505226*1						
Date Analyzed		05.01.95	957205	05/01/95	NA	Date	8015M.TX
Benzene		05.01.95	957205	0	0.5	ug/L	8015M.TX
Toluene		05.01.95	957205	0.27	0.5	ug/L	8015M.TX
Ethylbenzene		05.01.95	957205	0	0.5	ug/L	8015M.TX
Total Xylene Isomers		05.01.95	957205	0	0.5	ug/L	8015M.TX
TPH (Gasoline Range)		05.01.95	957205	3.0	50	ug/L	8015M.TX