SCS ENGINEERS

October 31, 1990 File No. 0390009.00

Mr. Gil Wistar Department of Environmental Health 80 Swan Way, Room 200 Oakland, California 94621

Dear Gil:

Attached are the results of the last sampling of the monitor wells and remediation system at Montgomery Ward, Dublin. Included is the laboratory report and Chain-of-Custody. The next sampling date will be during the week of November 5, provided the system is in working order.

If you have any questions, please call (415) 829-0661.

Regards,

11/21/90 John Cummingo - new project mgs.

Daniel J. Davis Staff Geologist SCS Engineers

DJD/sar/egh

90 NOY -2 AMIL: 39

October 30, 1990 File No. 0390009.00 Montgomery Ward, Dublin Site

Analytical Results - Monitor Wells and Remediation System

	MW5	MW10	MW15	MW16	12SI (inflow)	SO (discharge)
			(p	pm)		
SAMPLE DAT	ΓE: April	18, 1990				
TPH benzene toluene ethylbenzene xylene	14 9.08 1.04 0.59 0.71	12 6.98 0.27 0.35 0.25	ND ND ND ND ND	2 1.71 0.07 0.10 0.08	22 4.57 5.21 0.59 3.45	ND ND ND ND ND
SAMPLE DAT	E: May 1	4, 1990				
TPH benzene toluene ethylbenzene xylene	14 10.30 1.04 0.57 0.77	5 5.6 0.17 0.13 0.27	ND ND ND ND	2 1.13 0.05 0.02 0.06	12 4.11 4.58 0.66 4.04	ND 0.006 0.002 ND 0.002
SAMPLE DAT	E: June 1	2, 1990				
TPH benzene toluene ethylbenzene xylene	16.9 10.4 1.20 0.61 0.94	9.6 4.54 0.29 0.32 0.62	ND 0.003 0.002 0.003 0.025	1.3 0.395 0.05 0.02 0.09	21 4.04 3.00 0.50 3.27	ND 0.009 0.120 0.046 0.280

October 30, 1990 File No. 0390009.00 Montgomery Ward, Dublin Site

Analytical Results - Monitor Wells and Remediation System

	MW5	MW10	MW15	MW16	12SI (inflow)	SO (discharge)		
			(pi	om)				
SAMPLE DATE: April 18, 1990								
TPH benzene toluene ethylbenzene xylene	9.08 1.04 0.59 0.71	12 6.98 0.27 0.35 0.25	ND ND ND ND ND	2 1.71 0.07 0.10 0.08	22 4.57 5.21 0.59 3.45	ND ND ND ND ND		
SAMPLE DAT	E: May 1	4, 1990						
TPH benzene toluene ethylbenzene xylene	14 10.30 1.04 0.57 0.77	5 5.6 0.17 0.13 0.27	ND ND ND ND ND	2 1.13 0.05 0.02 0.06	12 4.11 4.58 0.66 4.04	ND 0.006 0.002 ND 0.002		
SAMPLE DATE: June 12, 1990								
TPH benzene toluene ethylbenzene xylene	16.9 10.4 1.20 0.61 0.94	9.6 4.54 0.29 0.32 0.62	ND 0.003 0.002 0.003 0.025	1.3 0.395 0.05 0.02 0.09	21 4.04 3.00 0.50 3.27	ND 0.009 0.120 0.046 0.280		



MEMO

To: Daniel Davis

From: David Sincerbeaux

Job No.: 0390009

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October 22, 1990

LABORATORY REPORT

Six (6) water samples from Montgomery Ward -Samples: Remediation, 6900 Amador Plaza, Dublin, CA. Received

10/5/90, analyzed 10/17/90.

EPA 8015 (G)
mg/L
527
124
7
10
13
ND

Detection Limit 0.5 ND - Not Detected

G = Gas

EPA 602 - see attached sheets

ail ne David Mikesell Chemist

David Sincerbeaux Laboratory Manager

mward8.rep



Addendum Report, EPA 602 Page 6 of 7

2860 WALNUT AVENUE LONG BEACH CAUFORNIA 90806 (213! 595-9324 FAX (213) 595-6709

Sample I.D.: MW-5

Date Received: 10/5/90 Date Analyzed: 10/17/90

Matrix: Water

Project #: 0390009 File #: mward8.rep

Compound	Result uq/L	D.L. (ppb)
Benzene Chlorobenzene Ethylbenzene	1,830 ND 207	0.7 1
Toluene Xylenes 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	77 110 ND ND ND	1 1 1 1



Addendum Report, EPA 602 Page 5 of 7

2860 WALNUT AVENUE LONG BEACH, CAUFORNIA 90806 (213) 595-9324 FAX (213) 595-6709

Sample I.D.: MW-10

Date Received: 10/5/90 Date Analyzed: 10/17/90

Matrix: Water

Project #: 0390009 File #: mward8.rep

Compound	Result uq/L	D.L. (ppb)
Benzene Chlorobenzene Ethylbenzene Toluene Xylenes 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	1,600 ND 97 40 900 ND ND ND	0.7 1 1 1 1 1



Addendum Report, EPA 602 Page 7 of 7

2860 WALNUT AVEN'UE LONG BEACH, CAUFORNIA 90806 [213] 595-5324 FAX (213) 595-6709

Sample I.D.: MW-15

Date Received: 10/5/90 Date Analyzed: 10/17/90

Matrix: Water Project #: 0390009 File #: mward8.rep

Compound _	Result	D.L.
Benzene Chlorobenzene Ethylbenzene Toluene Xylenes 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	9.2 ND ND ND ND ND ND ND	(ppb) 0.7 1 1 1 1 1 1 1 1



Addendum Report, EPA 602 Page 4 of 7

2860 WALNUT AVENUE LONG BEACH, CAUFORNIA 90806 (213) 595-9324 FAX (213) 595-6709

Sample I.D.: MW-16

Date Received: 10/5/90 Date Analyzed: 10/17/90

Matrix: Water

Project #: 0390009 File #: mward8.rep

Compound	Result uq/L	D.L.
Benzene Chlorobenzene Ethylbenzene Toluene Xylenes 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	653 ND 51 194 232 ND ND	(ppb) 0.7 1 1 1 1
		_



Addendum Report, EPA 602 Page 2 of 7

2860 WALNUT AVENUE LONG BEACH, CAUFORNIA 90806 (213) 595-9324 FAX (213) 595-6709

Sample I.D.: 12 SI
Date Received: 10/5/90
Date Analyzed: 10/17/90

Matrix: Water

Project #: 0390009 File #: mward8.rep

Compound	Result uq/L	D.L. (ppb)
Benzene	4,640	14
Chlorobenzene	ND	20
Ethylbenzene	3,320	20
Toluene	19,600	20
Xylenes	2,120	20
1,2-Dichlorobenzene	ND	20
1,3-Dichlorobenzene	ND	20
1,4-Dichlorobenzene	ND	20



Addendum Report, EPA 602 Page 3 of 7

2860 WALNUT AVENUE LONG BEACH CAUFORNIA 90806 (213) 595-9324 FAX (213) 595-6709

Sample I.D.: SO

Date Received: 10/5/90 Date Analyzed: 10/17/90

Matrix: Water

Project #: 0390009 File #: mward8.rep

Compound	Result	D.L.
Benzene Chlorobenzene Ethylbenzene Toluene Xylenes 1,2-Dichlorobenzene 1,3-Dichlorobenzene 1,4-Dichlorobenzene	ug/L 2,000 ND 572 1,560 2,570 ND ND ND	(ppb) 14 20 20 20 20 20 20 20

A OF CUSTODY RECORD

Remarks: Normal 10-day turnaround

ENTOY

460) 10/4/90

SCS ANALYTICAL LABORATORY

′	PERSONNEL			_		SITE INFO	RMATION	LONG BEACH CAUFO	
Sampler (Signature)					Job Name Montgomery Ward Job Number D390069.00 Sample Location reproduction system 6900 Amador Plaza, Dublin				
	Field Comp		ineer <u>DA</u>	WIEL J	. DAVI	P.O. Numb	er		
	Wf W.	ed by (Signa	10/4	1/90	Ma	by (Signati	Gold	Date 10/5/93	Time 930 _{AM}
	Rejinquish	ed by (Signa	ature)		Received	by (Sagnath	re)	Date	Time
		Analysis	laboratory	should cor sign, a	mplete "s and retur	ample cond n copy to	. upon receipt" s Shipper	ection below	· •
	Sample <u>Number</u> 12-5I <u>SD</u> <u>MW-16</u> <u>MW-5</u> <u>MW-15</u>	Sample Type Watur	No. of Cont.	Site Identific infly effloy wl	ent .	Date Sampled (*/4/90	Analysis Requested 80156,8	<u>Up</u>	mple Cond. on Receipt Cool
	-								
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676) Sierra Court Suite D Dublin, CA 94568 415 829-0661 FAX 415 829-5493

SCS ENGINEERS

October 31, 1990 File No. 0390009.00

Mr. Charlie West Montgomery Ward Company 3920 Fremont Boulevard Fremont, California 94538

Subject: Groundwater Remediation

Montgomery Ward Facility

Dublin, California

Dear Mr. West:

Enclosed are the results of the last sampling (influent and effluent) of the remediation system and the groundwater at the Dublin facility, dated October 4, 1990. Contaminant levels in the samples from the monitor wells have remained relatively constant. However, contaminant levels in the influent and effluent samples, particularly the Total Petroleum Hydrocarbons (TPH, gasoline), are higher than those of any previous sampling event. Regarding the influent sample analysis, the high contaminant levels may be due to a particular volume of more highly contaminated water passing into the system. Analytical results of the effluent (discharge) sample may indicate saturation or breakthrough of the carbon in canister number two.

Currently the remediation system is off. A new discharge gauge has been installed and a portion of the pluming has been replaced or removed, e.g. one of the secondary filters was removed. More of the plumbing may be replaced. At this time the system is being tested and air is being bled out of the pipes. Until the system is up and running again the status of the carbon cannot be ascertained.

Mr. Charlie West October 31, 1990 Page Two

The next sampling date will be the week of November 5, provided the system is in working order. If you have any questions, please call (415) 829-0661.

Regards,

Daniel J. Davis
Staff Geologist
SCS Engineers

DJD/KAM/sar/egh

cc: Tom DeHollander, Zone 7

Gil Wistar, ACHA-