

SCS ENGINEERS

August 21, 1990
File No. 0390009.00

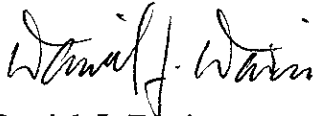
Mr. Gil Wistar
Department of Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

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 September 10.

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

Regards,



Daniel J. Davis
Staff Geologist
SCS Engineers

DJD/sar

SCS ENGINEERS

August 21, 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), dated August 13, 1990, and of the previous four months for the remediation system and the groundwater at the Dublin facility. Contaminant levels are still quite low in the effluent (discharge) of the remediation system, suggesting that the system is in good working order. Contaminant levels in the samples from the monitor wells have remained relatively constant.

The next sampling date will be the week of September 10. If you have any questions, please call (415) 829-0661.

Regards,



Daniel J. Davis
Staff Geologist
SCS Engineers



Kent A. Madenwald, P.E., R.G., R.E.P.
Project Manager
SCS Engineers

DJD/KAM/sar

cc: Tom DeHollander, Zone 7
Gil Wistar, ACHA

August 20, 1990
File No. 0390009.00
Montgomery Ward, Dublin Site

Analytical Results - Monitor Wells and Remediation System

SAMPLE DATE: April 18, 1990

| | MW5 | MW10 | MW15 | MW16 | 12SI (inflow) | SO (discharge) |
|--------------|-----------------|------|------|------|---------------|----------------|
| | (--- ppm ---) | | | | | |
| TPH | 14 | 12 | ND | 2 | 22 | ND |
| benzene | 9.08 | 6.98 | ND | 1.71 | 4.57 | ND |
| toluene | 1.04 | 0.27 | ND | 0.07 | 5.21 | ND |
| ethylbenzene | 0.59 | 0.35 | ND | 0.10 | 0.59 | ND |
| xylene | 0.71 | 0.25 | ND | 0.08 | 3.45 | ND |

SAMPLE DATE: May 14, 1990

| | | | | | | |
|--------------|-------|------|----|------|------|-------|
| TPH | 14 | 5 | ND | 2 | 12 | ND |
| benzene | 10.30 | 5.6 | ND | 1.13 | 4.11 | 0.006 |
| toluene | 1.04 | 0.17 | ND | 0.05 | 4.58 | 0.002 |
| ethylbenzene | 0.57 | 0.13 | ND | 0.02 | 0.66 | ND |
| xylene | 0.77 | 0.27 | ND | 0.06 | 4.04 | 0.002 |

SAMPLE DATE: June 12, 1990

| | | | | | | |
|--------------|------|------|-------|-------|------|-------|
| TPH | 16.9 | 9.6 | ND | 1.3 | 21 | ND |
| benzene | 10.4 | 4.54 | 0.003 | 0.395 | 4.04 | 0.009 |
| toluene | 1.20 | 0.29 | 0.002 | 0.05 | 3.00 | 0.120 |
| ethylbenzene | 0.61 | 0.32 | 0.003 | 0.02 | 0.50 | 0.046 |
| xylene | 0.94 | 0.62 | 0.025 | 0.09 | 3.27 | 0.280 |

File No. 0390009.00
Montgomery Ward, Dublin Site

Analytical Results - Monitor Wells and Remediation System

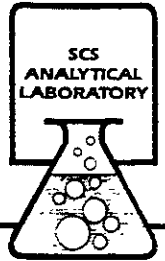
SAMPLE DATE: July 11, 1990

| | MW5 | MW10 | MW15 | MW16 | 12SI (inflow) | SO (discharge) |
|--------------|-----------------|------|-------|-------|---------------|----------------|
| | (--- ppm ---) | | | | | |
| TPH | 34.0 | 17.0 | ND | 3.5 | 45.0 | ND |
| benzene | 6.00 | 2.00 | 0.001 | 0.51 | 2.60 | 0.0008 |
| toluene | 1.10 | 0.13 | 0.003 | 0.078 | 2.30 | 0.001 |
| ethylbenzene | 0.20 | 0.12 | ND | 0.015 | 0.365 | ND |
| xylene | 0.68 | 0.15 | 0.004 | 0.11 | 1.80 | 0.004 |

SAMPLE DATE: August 13, 1990

| | | | | | | |
|--------------|-------|-------|-------|-------|-------|-------|
| TPH | 23.5 | 7.2 | ND | 5.0 | 28.0 | 2.1 |
| benzene | 6.20 | 2.93 | 0.002 | 1.26 | 1.95 | 0.004 |
| toluene | 0.605 | 0.064 | ND | 0.250 | 7.30 | 0.019 |
| ethylbenzene | 0.548 | 0.011 | 0.009 | 0.139 | 2.25 | 0.021 |
| xylene | 0.876 | 0.162 | 0.041 | 0.312 | 12.20 | 0.091 |

AUG 20 1990



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

MEMO

To: Dan Davis

From: Curtis B. Jenkins

August 17, 1990

Job No.: 0390009

Page 1 of 7

LABORATORY REPORT

Samples: Six (6) water samples, from Montgomery Ward -
Remediation, 6900 Amador Plaza, Dublin, CA. Received
8/14/90, analyzed 8/17/90.

| Sample ID | EPA 8015 (G) |
|-----------|----------------|
| | -----mg/L----- |
| 12SI | 28.0 |
| SO | 2.1 |
| MW5 | 23.5 |
| MW10 | 7.2 |
| MW15 | ND |
| MW16 | 5.0 |

Detection Limit 0.5

ND - Not Detected

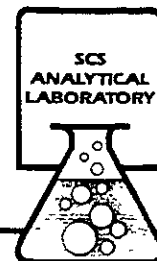
G - Gasoline

EPA 602 - see attached sheets

David Sincerbeaux
David Sincerbeaux
Chemist

Curtis B. Jenkins
Curtis B. Jenkins
Vice President, Analytical Srv.

mward5.rep



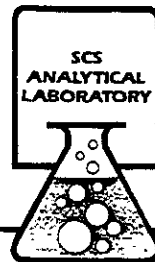
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Addendum Report, EPA 602
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Sample I.D.: 12SI
Date Received: 8/14/90
Date Analyzed: 8/17/90
Matrix: Water
Project #: 390009
File #: mward5.rep

| Compound | Result ----ug/L (ppb)---- | D.L. |
|---------------------|------------------------------|------|
| Benzene | 1,950 | 350 |
| Chlorobenzene | ND | 500 |
| Ethylbenzene | 2,250 | 500 |
| Toluene | 7,300 | 500 |
| Xylenes | 12,200 | 500 |
| 1,2-Dichlorobenzene | ND | 500 |
| 1,3-Dichlorobenzene | ND | 500 |
| 1,4-Dichlorobenzene | ND | 500 |

D.L. = Detection Limit
ND = Not Detected



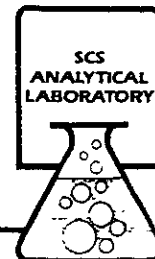
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Sample I.D.: SO
Date Received: 8/14/90
Date Analyzed: 8/17/90
Matrix: Water
Project #: 390009
File #: mward5.rep

| Compound | Result ----ug/L (ppb)---- | D.L. |
|---------------------|------------------------------|------|
| Benzene | 4.0 | 0.7 |
| Chlorobenzene | ND | 1 |
| Ethylbenzene | 21 | 1 |
| Toluene | 19 | 1 |
| Xylenes | 91 | 1 |
| 1,2-Dichlorobenzene | ND | 1 |
| 1,3-Dichlorobenzene | ND | 1 |
| 1,4-Dichlorobenzene | ND | 1 |

D.L. = Detection Limit
ND = Not Detected



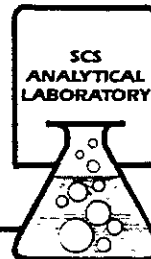
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Sample I.D.: MW5
Date Received: 8/14/90
Date Analyzed: 8/17/90
Matrix: Water
Project #: 390009
File #: mward5.rep

| Compound | Result ----ug/L (ppb)---- | D.L. |
|---------------------|------------------------------|------|
| Benzene | 6,200 | 0.7 |
| Chlorobenzene | ND | 1 |
| Ethylbenzene | 548 | 1 |
| Toluene | 605 | 1 |
| Xylenes | 876 | 1 |
| 1,2-Dichlorobenzene | ND | 1 |
| 1,3-Dichlorobenzene | ND | 1 |
| 1,4-Dichlorobenzene | ND | 1 |

D.L. = Detection Limit
ND = Not Detected



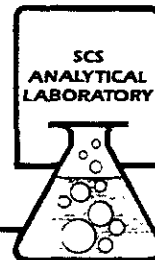
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Sample I.D.: MW10
Date Received: 8/14/90
Date Analyzed: 8/17/90
Matrix: Water
Project #: 390009
File #: mward5.rep

| Compound | Result ----ug/L (ppb)---- | D.L. |
|---------------------|------------------------------|------|
| Benzene | 2,930 | 0.7 |
| Chlorobenzene | ND | 1 |
| Ethylbenzene | 11 | 1 |
| Toluene | 64 | 1 |
| Xylenes | 162 | 1 |
| 1,2-Dichlorobenzene | ND | 1 |
| 1,3-Dichlorobenzene | ND | 1 |
| 1,4-Dichlorobenzene | ND | 1 |

D.L. = Detection Limit
ND = Not Detected



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Sample I.D.: MW15
Date Received: 8/14/90
Date Analyzed: 8/17/90
Matrix: Water
Project #: 390009
File #: mward5.rep

| Compound | Result ----ug/L (ppb)---- | D.L. |
|---------------------|------------------------------|------|
| Benzene | 2.2 | 0.7 |
| Chlorobenzene | ND | 1 |
| Ethylbenzene | 9 | 1 |
| Toluene | ND | 1 |
| Xylenes | 41 | 1 |
| 1,2-Dichlorobenzene | ND | 1 |
| 1,3-Dichlorobenzene | ND | 1 |
| 1,4-Dichlorobenzene | ND | 1 |

D.L. = Detection Limit
ND = Not Detected



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Sample I.D.: MW16
Date Received: 8/14/90
Date Analyzed: 8/17/90
Matrix: Water
Project #: 390009
File #: mward5.rep

| Compound | Result ----ug/L (ppb)---- | D.L. |
|---------------------|------------------------------|------|
| Benzene | 1,260 | 0.7 |
| Chlorobenzene | ND | 1 |
| Ethylbenzene | 139 | 1 |
| Toluene | 250 | 1 |
| Xylenes | 312 | 1 |
| 1,2-Dichlorobenzene | ND | 1 |
| 1,3-Dichlorobenzene | ND | 1 |
| 1,4-Dichlorobenzene | ND | 1 |

D.L. = Detection Limit
ND = Not Detected

