

June 1, 1988

Alameda County Health Department
470 - 27th Street, Room 322
Oakland, CA 94612

Attention: Mr. Lowell Miller

Regarding: Emeryville Marketplace
Site Report for Week of 5-23-88

Dear Mr. Miller

The following is a summary of activities and findings at the Emeryville Marketplace site for the week of 5-23-88. Attached please find a map detailing the locations of the samples collected as of this date and copies of the lab reports received as of this date. Please feel free to contact me at 415 349-9737 if you have any questions or if I may be of assistance.

J. M. Cohen, Earth Metrics, SOS, Inc., and Groundwater Technology are under contract to oversee all environment, health and safety issues at this site. Each of these firms has responsibility for specific areas. I will provide more specific information regarding these areas if you wish me to.

Investigation of this site has revealed apparent subsurface contamination consisting mainly of what appears to be "asphaltic" materials and motor fuels in the groundwater. Material believed to be paint pigments was found in one excavation (#2 on map); no solvents were found in this material (lab report #2 attached). It was also analyzed for metals, but no results have been received from the lab as of this date.

Two 55 gallon drums were encountered at map location #1. They contained what appeared to be "asphaltic" material. They were analyzed for PCB's (lab report #1) and none were detected.

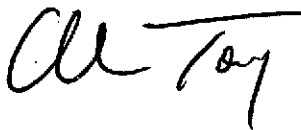
Groundwater samples were taken under the concrete slab (map #4) and show no detectable levels of priority pollutants (lab report #4). This sample was also tested for metals, but no analytical results have been received as of this date.

Soil samples were taken at map location #3 where a significant hydrocarbon odor was detected. An analysis on priority pollutants was requested, but results have not been reported as of this date (lab report #3).

Mr. Lowell Miller
Alameda County Health Department
Emeryville Marketplace
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After consulting with Greg Raymond, the project Industrial Hygienist, worker protection will consist of protective equipment designed to prevent skin contact (i.e., gloves, boots, suits as necessary). Respiratory protection levels, if any, have yet to be determined.

Sincerely,



Al Toy
J. C. Cohen, Inc.

AT:co

cc: G. Raymond (Cohen)
M. Papineau (Earth Metrics)

LOG NO: E88-05-628

Received: 24 MAY 88

Reported: 01 JUN 88

Mr. Peter Nance
Earth Metrics
859 Cowan
Burlingame, California 94010

Project: MARKET PLACE

PARTIAL
REPORT OF ANALYTICAL RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
05-628-2	3RD PIT/BARREL	24 MAY 88
PARAMETER	05-628-2	
Polychlorinated Biphenyls		
Date Extracted	05.26.88	
Date Analyzed	05.26.88	
Aroclor 1016, mg/kg	<0.3	
Aroclor 1221, mg/kg	<0.3	
Aroclor 1232, mg/kg	<0.3	
Aroclor 1242, mg/kg	<0.3	
Aroclor 1248, mg/kg	<0.3	
Aroclor 1254, mg/kg	<0.3	
Aroclor 1260, mg/kg	<0.3	
Aroclor 1262, mg/kg	<0.3	
Total PCB's, mg/kg	<0.3	

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MAY 27 1988

LOG NO: E88-05-660

Received: 25 MAY 88
Reported: 27 MAY 88

Mr. Peter Nance
Earth Metrics
859 Cowan
Burlingame, California 94010

Project: Market Place

REPORT OF ANALYTICAL RESULTS

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LOG NO	SAMPLE DESCRIPTION, SLUDGE SAMPLES	DATE SAMPLED
05-660-1	Green Paint Sludge	25 MAY 88
05-660-2	Red Paint Sludge	25 MAY 88

PARAMETER	05-660-1	05-660-2
Purgeable Priority Pollutants		
Extraction	05.26.88	05.26.88
1,1,1-Trichloroethane, mg/kg	<0.2	<0.2
1,1,2,2-Tetrachloroethane, mg/kg	<0.2	<0.2
1,1,2-Trichloroethane, mg/kg	<0.2	<0.2
1,1-Dichloroethane, mg/kg	<0.2	<0.2
1,1-Dichloroethylene, mg/kg	<0.2	<0.2
1,2-Dichloroethane, mg/kg	<0.2	<0.2
1,2-Dichloropropane, mg/kg	<0.2	<0.2
1,3-Dichloropropene, mg/kg	<0.2	<0.2
2-Chloroethylvinylether, mg/kg	<0.2	<0.2
Acrolein, mg/kg	<2	<2
Acrylonitrile, mg/kg	<2	<2
Bromodichloromethane, mg/kg	<0.2	<0.2
Bromomethane, mg/kg	<0.2	<0.2
Benzene, mg/kg	<0.2	<0.2
Chlorobenzene, mg/kg	<0.2	<0.2
Carbon Tetrachloride, mg/kg	<0.2	<0.2
Chloroethane, mg/kg	<0.2	<0.2
Bromoform, mg/kg	<0.2	<0.2
Chloroform, mg/kg	<0.2	<0.2
Chloromethane, mg/kg	<0.2	<0.2
Dibromochloromethane, mg/kg	<0.2	<0.2
Ethylbenzene, mg/kg	<0.2	<0.2
Methylene chloride, mg/kg	<0.2	<0.2
Tetrachloroethylene, mg/kg	<0.2	<0.2

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LOG NO	SAMPLE DESCRIPTION, SLUDGE SAMPLES	DATE SAMPLED	
05-660-1	Green Paint Sludge	25 MAY 88	
05-660-2	Red Paint Sludge	25 MAY 88	
PARAMETER		05-660-1	05-660-2
Trichloroethylene, mg/kg		<0.2	<0.2
Trichlorofluoromethane, mg/kg		<0.2	<0.2
Toluene, mg/kg		<0.2	<0.2
Vinyl chloride, mg/kg		<0.2	<0.2
trans-1,2-Dichloroethylene, mg/kg		<0.2	<0.2
trans-1,3-Dichloropropene, mg/kg		<0.2	<0.2

Sim D. Lessley, Ph.D., Laboratory Director

LOG NO: E88-05-628

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Mr. Peter Nance
Earth Metrics
859 Cowan
Burlingame, California 94010

Project: MARKET PLACE

PARTIAL
REPORT OF ANALYTICAL RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION, SOIL SAMPLES	DATE SAMPLED
05-628-3	Stockpile	24 MAY 88
PARAMETER	05-628-3	
Purgeable Priority Pollutants		

Sim D. Lessley, Ph.D., Laboratory Director

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Project: MARKET PLACE

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Page 1

LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLES	DATE SAMPLED
05-628-1	H2O Concrete Slab	24 MAY 88
PARAMETER	05-628-1	
Purgeable Priority Pollutants		
Date Extracted	05.26.88	
1,1,1-Trichloroethane, ug/L	<1	
1,1,2,2-Tetrachloroethane, ug/L	<1	
1,1,2-Trichloroethane, ug/L	<1	
1,1-Dichloroethane, ug/L	<1	
1,1-Dichloroethylene, ug/L	<1	
1,2-Dichloroethane, ug/L	<1	
1,2-Dichloropropane, ug/L	<1	
1,3-Dichloropropene, ug/L	<1	
2-Chloroethylvinylether, ug/L	<1	
Acrolein, ug/L	<10	
Acrylonitrile, ug/L	<10	
Bromodichloromethane, ug/L	<1	
Bromomethane, ug/L	<1	
Benzene, ug/L	<1	
Chlorobenzene, ug/L	<1	
Carbon Tetrachloride, ug/L	<1	
Chloroethane, ug/L	<1	
Bromoform, ug/L	<1	
Chloroform, ug/L	<1	
Chloromethane, ug/L	<1	
Dibromochloromethane, ug/L	<1	
Ethylbenzene, ug/L	<1	
Methylene chloride, ug/L	<1	
Tetrachloroethylene, ug/L	<1	
Trichloroethylene, ug/L	<1	

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LOG NO	SAMPLE DESCRIPTION, GROUND WATER SAMPLES	DATE SAMPLED
05-628-1	H2O Concrete Slab	24 MAY 88
PARAMETER	05-628-1	
Trichlorofluoromethane, ug/L	<1	
Toluene, ug/L	<1	
Vinyl chloride, ug/L	<1	
trans-1,2-Dichloroethylene, ug/L	<1	
trans-1,3-Dichloropropene, ug/L	<1	



BROWN AND CALDWELL LABORATORIES

1255 POWELL STREET EMERYVILLE, CA 94608 • (415) 426-2300

ANALYTICAL REPORT

LOG NO: E88-09-455

Received: 21 SEP 88

Reported: 04 OCT 88

Mr. Gregory Raymond
J. M. Cohen, Inc.
155 Bovet Road, Suite 300
San Mateo, California 94402

Project: Martin

REPORT OF ANALYTICAL RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION, PETROLEUM SAMPLES	DATE SAMPLED
09-455-1	Tank Excavation Spoils	21 SEP 88
PARAMETER	09-455-1	
Total Fuel Hydrocarbons		
Date Analyzed	09.30.88	
Fuel Characterization, .	OIL	
Total Fuel Hydrocarbons, mg/kg	130000	