Engineers
Planners
Economists
Scientists

April 25, 1994

BAE28830.P2.01

Mr. Brian Oliva
Alameda County Department of Environmental Health
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, California 94621

Dr. Ravi Arulanantham
Mr. Sum Arigala
California Regional Water Quality Control Board
San Francisco Bay Region
2101 Webster Street, Suite 500
Oakland, California 94612

Subject: Supplemental Offsite Investigation Report
Del Monte Plant 35, Emeryville, California

Enclosed is a copy of the Supplemental Offsite Investigation Report for the Del Monte Plant 35 property located at 4204 Hollis Street and 1250 Park Avenue in Emeryville, California. The report presents the findings of the supplemental offsite groundwater investigation conducted in February/March 1994.

Please contact us if you have any questions about this submittal. We can be reached at (510) 251-2888, ext. 2118 (Bern) or 2189 (Madeline).

Sincerely,

CH2M HILL

Bern Baumgartner
Project Manager

Madeline Wall
Project Engineer

cc: Mr. Thomas Bender/Del Monte
Mr. Steven Ronzone/Del Monte
Mr. Soon Kim/Del Monte
Mr. Mark Zemelman/Kaiser
Mr. David Harnish/ENVIRON

Supplemental Offsite Investigation Report
for
Del Monte Plant 35
4204 Hollis Street and 1250 Park Avenue
Emeryville, California

Prepared for

Del Monte Foods USA

Prepared by

CH2M HILL

April 1994

286-1255

SFO100130F0.WP5

Contents

Tables

Figures

Section 1
Introduction

This report presents the results of the additional offsite soil and groundwater investigation activities conducted between February 23, 1994 and March 2, 1994, at Del Monte Plant 35 (Plant 35) located at 4204 Hollis Street and 1250 Park Avenue in Emeryville, California. The investigation was conducted according to the workplan submitted to the Alameda County Department of Environmental Health (ACDEH) and the Regional Water Quality Control Board (RWQCB) on February 16, 1994. This investigation consisted of collecting groundwater samples and evaluating the subsurface stratigraphy at 11 locations on Holden and Hollis Streets and Park Avenue, west of the Plant 35 property.

Purpose

The purpose of the investigation discussed in this report was to further assess groundwater quality downgradient of Plant 35, and to better determine the local subsurface stratigraphy.

Background

Del Monte Plant 35 is located in an industrial area and was a food processing plant from the late 1920s through 1989. Plant 35 is located on approximately 13 acres in Emeryville, California.

Plant 35 is underlain by approximately 5 to 8 feet of fill which is composed primarily of clay containing gravel. Native silty clay extends from beneath the fill to a depth of approximately 15 to 20 feet below ground surface. Discontinuous lenses of sands and gravels have been encountered within the native silty clay. This silty clay zone is underlain with silty sand. Shallow groundwater exists beneath the property at a depth of approximately 7 to 11 feet below ground surface. Shallow groundwater generally flows in a southwesterly direction beneath Plant 35 (Appendix A).

The shallow groundwater beneath the southwest corner of the Plant 35 property contains chlorinated hydrocarbons which originated from four 50-gallon underground tanks. The tanks and accessible soil were removed in 1989. During December 1992, Del Monte demolished a building that provided access to soil that could not be removed during the removal of the four 50-gallon tanks in 1989. During January 1993, Del Monte excavated approximately 750 cubic yards of soil from the former tank area and constructed a groundwater extraction and treatment (GET) system. The GET system was operated continuously from January to December, 1993, and then restarted on March 8, 1994. Monitoring results indicate that the GET system has significantly reduced the levels of chlorinated hydrocarbons in the groundwater in the vicinity of the former tanks.

Areas of Investigation

In October and November 1993, soil and groundwater were sampled and analyzed from the west side of Hollis Street and the south side of Park Avenue. The results of that investigation are presented in the *Investigation Report for Del Monte Plant 35* (prepared by CH2M HILL, dated December, 1993). The results of the 1993 investigation led to recommendations for the additional site investigation activities that were addressed in this recent investigation. The offsite areas of interest for the supplemental investigation are summarized in Table 1.

Table 1
Offsite Areas of Interest
Del Monte Plant 35, Emeryville, California

Area	Activity
Holden Street Park Avenue	Investigate the groundwater to confirm and assess the levels of chlorinated hydrocarbons downgradient of Plant 35
Hollis Street	Install and sample a groundwater monitoring well at the location where chlorinated hydrocarbons were detected in the groundwater grab sample, HOL-2 in November, 1993.

Groundwater samples collected and analyzed in October and November 1993 from boreholes drilled on the west side of Hollis Street contained chlorinated hydrocarbons at concentrations ranging between 1.1 μg/L and 170 μg/L of trichloroethylene (TCE) and 1.1 μg/L and 19 μg/L tetrachloroethene (PCE). These concentrations were similar to concentrations found at the downgradient property edge of Plant 35 in monitoring wells MW-10 and MW-11.

In order to confirm and further assess the levels of chlorinated hydrocarbons in groundwater downgradient of the property, groundwater at 10 locations west of Plant 35, six on Holden Street, and four on Park Avenue (see Figure 1), was sampled and analyzed for chlorinated hydrocarbons (figures are located at the end of the report). In addition, monitoring well MW-12 was installed on Hollis Street near the location of HOL-2 where chlorinated hydrocarbons were detected in groundwater in November 1993 at concentrations of 170 μg/L TCE and 19 μg/L PCE.

Section 2

Procedures

This section describes the general field investigation procedures.

Selection of Sampling Locations

The soil and groundwater sample locations for the additional investigation near Plant 35 were selected based upon the results of the 1993 investigation. Sample locations are shown in Figure 1.

Soil Borings

The soil borings were drilled by Gregg Drilling & Testing, Inc. (Gregg) using a Simco 2400 with 5.5-inch outer diameter hollow stem augers. Soils recovered during the drilling program were visually classified by CH2M HILL's field personnel in general accordance with ASTM Standard D 2488 (The boring logs are included in Appendix B).

Soil Sampling Methodology

All of the soil borings were sampled continuously to collect additional information about the local subsurface stratigraphy. The soil samples were collected by driving a split-spoon sampler into the soil below the augers. Immediately after collecting a soil sample, the brass (or stainless steel) sleeve containing the sample was sealed with Teflon sheets and polyethylene end caps, labeled and placed in an ice-filled cooler.

Groundwater Sampling Methodology

Soil borings intended for groundwater sampling were drilled to a depth of approximately 5 to 10 feet below the first indication of moisture on the center rod inside the hollow stem auger. The augers were removed and a temporary 2-inch diameter PVC well casing with 10 feet of 0.01-inch slotted well screen was installed. Approximately 3 borehole volumes of groundwater were purged from each temporary well. The purged groundwater was measured for pH, conductivity and temperature. Purging was continued until the conductivity stabilized within 10 percent and the pH within 0.20. Groundwater samples were collected using a teflon bailer.

Samples intended for analysis of chlorinated hydrocarbons (by EPA Method 601) were placed in 40 ml VOAs prepared by the laboratory with preservatives (HCl). Samples were labeled and immediately placed in an ice-filled cooler. Upon completion of sample collection, the well casing was removed from the borehole and the borehole was sealed with neat cement.

Monitoring Well Installation and Development

Monitoring Well MW-12 was installed and developed between February 28, and March 2, 1994 (refer to Appendix C for the Well Completion Log). Upon completion of the soil boring, the borehole for the monitoring well was reamed using 10-inch-outer diameter hollow-stem augers. The monitoring well was constructed with 2-inch-inner diameter, flush threaded, schedule 40 PVC casing and 0.02-inch slot screen. A threaded cap was placed on the bottom of the casing. The first saturated permeable interval encountered while drilling was screened using 15 feet of screen. Well casing and screen were installed through the hollow stem augers.

Clean, washed Monterey sand (Lone Star No. 2-12) was used for gravel pack. The gravel pack was installed from the bottom of the borehole upward using the augers to tremmie the sand in the annular space between the borehole wall and the well screen. The top of the gravel pack was installed to approximately 2 feet above the top of the screen.

After the gravel pack was emplaced, a 1-foot-thick layer of bentonite pellets was placed on top of the gravel pack. Water was added to the borehole after the bentonite pellets were emplaced and the bentonite pellets were allowed to hydrate for over an hour before well construction continued.

An annular cement grout was installed from the top of the bentonite to the ground surface. MW-12 was completed below grade with a locking steel cover and a water-tight Christie box.

The well was developed by pumping with a Grunfos pump until the water was free of fine-grained particles. Approximately 3 borehole volumes of groundwater were purged during which time, the pH, conductivity, and temperature stabilized.

Laboratory Analysis

All samples were picked up on-site and analyzed by Chromalab, Inc., in San Ramon, California. All of the soil and groundwater samples were analyzed for chlorinated hydrocarbons by EPA Methods 8010 (soil) and 601 (water).

Section 3
Results

Results of groundwater sample analyses and observations of subsurface stratigraphy are described below.

Groundwater

As indicated in Section 1, groundwater samples were collected from 11 locations on Holden Street and Park Avenue to assess the extent of chlorinated hydrocarbons in groundwater downgradient of Plant 35. Results of the analyses are presented in Table 2 and shown in Figure 1. Trichloroethene (TCE) and Tetrachloroethene (PCE) were detected in HD-2 through HD-6, in concentrations ranging from nondetect to 190 μg/L for TCE and 2.9 to 51 μg/L for PCE. The greatest concentrations were detected in HD-3, HD-4, and HD-5. Small, but detectable concentrations of TCE, 1.1 to 7.4 μg/L, were detected in the four samples from Park Avenue. Groundwater from the new monitoring well, MW-12, contained 170 μg/L TCE, 16 μg/L PCE, 33 μg/L cis-1,2 dichloroethene, 2.3 μg/L trans-1,2 dichloroethene, and 6.8 μg/L vinyl chloride. The Chromolab Analytical Report is included in Appendix D.

Subsurface Stratigraphy

Each of the soil borings was sampled continuously in order to evaluate the subsurface stratigraphy. Figures 2 and 3 detail the approximate geologic cross-sections beneath the western property edge and beneath Holden Avenue. [The cross section representing the western property edge (Figure 2) is based on 3 borings drilled onsite in February 1994, as part of a supplemental onsite soil and groundwater investigation. Results of the onsite investigation will be reported and discussed in a separate document.]

The water bearing zone appears to be the gravely clay and silt to silty/clayey sand and gravel. Along the western edge of the property, this layer is approximately 4 feet thick and approximately 15 feet below ground surface (bgs). Beneath Holden Street, this layer is only 1 to 2 feet thick and approximately 8 to 11 feet bgs. Groundwater was generally encountered during drilling in this layer. In all of the wells, the groundwater elevation rose to approximately 7 to 9 feet bgs.

Table 2
Results of Offsite Groundwater Analyses
February 23 - March 2, 1994
Del Monte Plant 35, Emeryville, California

Sample Location	Analyte							
	Vinyl Chloride (ug/L)	1,1-Dichloroethene (ug/L)	Trans-1,2-Dichloroethene (ug/L)	Cis-1,2-Dichloroethene (ug/L)	1,1-Dichloroethane (ug/L)	1,2-Dichloroethane (ug/L)	Trichloroethene (ug/L)	Tetrachloroethene (ug/L)
HD-1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.9
HD-2	<0.5	<0.5	<0.5	10	<0.5	<0.5	42	9.2
HD-3	7.9	1	2.4	47	<0.5	0.8	190	20
HD-4	13	<0.5	4	55	<0.5	<0.5	48	37
HD-5	12	<0.5	5	78	<0.5	<0.5	39	51
HD-6	3.8	<0.5	2.9	51	<0.5	<0.5	22	24
PK-2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	2.8	<0.5
PK-3	<0.5	<0.5	<0.5	1.7	<0.5	<0.5	1.1	<0.5
PK-4	<0.5	<0.5	<0.5	3	0.6	<0.5	7.4	<0.5
PK-5	<0.5	<0.5	<0.5	2.4	<0.5	<0.5	1.9	2
MW-12	6.8	<0.5	2.3	33	<0.5	<0.5	170	16

Note:
All samples were analyzed for Chlorinated Hydrocarbons, EPA method 601.
<0.5 indicates that the laboratory detection limit was not exceeded.

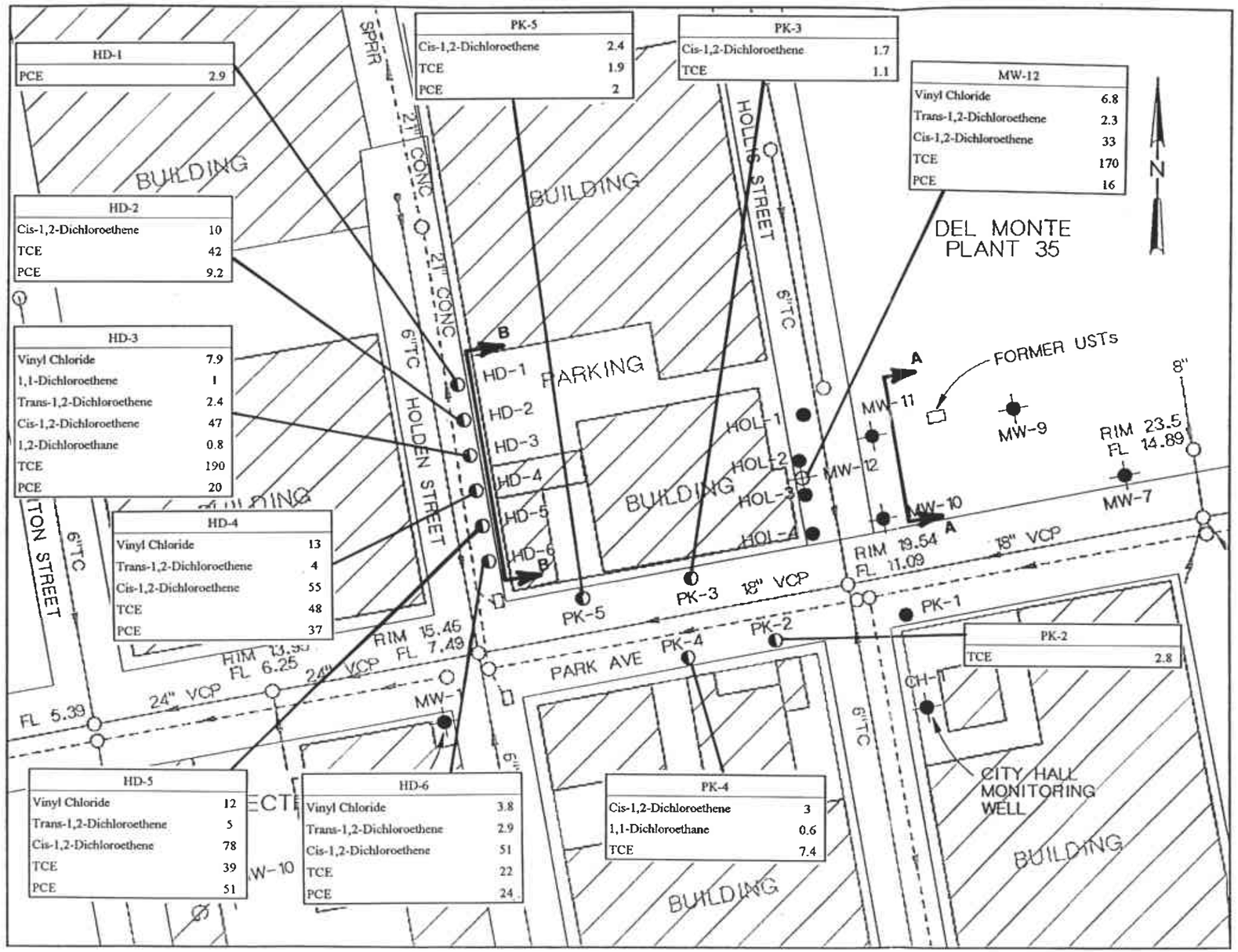
Section 4
Conclusions and Recommendations

The groundwater samples collected from boreholes drilled along Park Avenue contained low concentrations of chlorinated hydrocarbons; these concentrations are on the order of background chlorinated hydrocarbon levels in the area. The low concentrations of chlorinated hydrocarbons along Park Avenue suggest that chlorinated hydrocarbons have not migrated from Plant 35 to the southwest.

The groundwater samples collected from boreholes drilled on the east side of Holden Street indicate a zone of shallow groundwater containing chlorinated hydrocarbons. The concentrations of TCE detected were generally less than the concentrations found at the downgradient property edge of Plant 35 with the exception of Sample HD-3 that had a TCE concentration of 170 μg/L. The levels of PCE encountered on Holden Street are generally higher than the levels historically encountered in the Plant 35 monitoring wells (with the exception of MW-10).

The results of this investigation are inconclusive with respect to the source of the TCE and PCE detected in samples from Holden Street. Specifically, it is not known if activities in the block between Hollis and Holden Street have contributed to the chlorinated hydrocarbons detected in the groundwater. In addition, nearby sites with known releases of solvents to groundwater have not been completely characterized.

With this investigation, Del Monte has assessed offsite groundwater conditions as much as is practicable. We recommend continued operation of the GET system and monitoring of MW-12 as described in the Draft Remediation Plan for Del Monte Plant 35, dated April 1994, prepared for Del Monte by CH2M HILL.



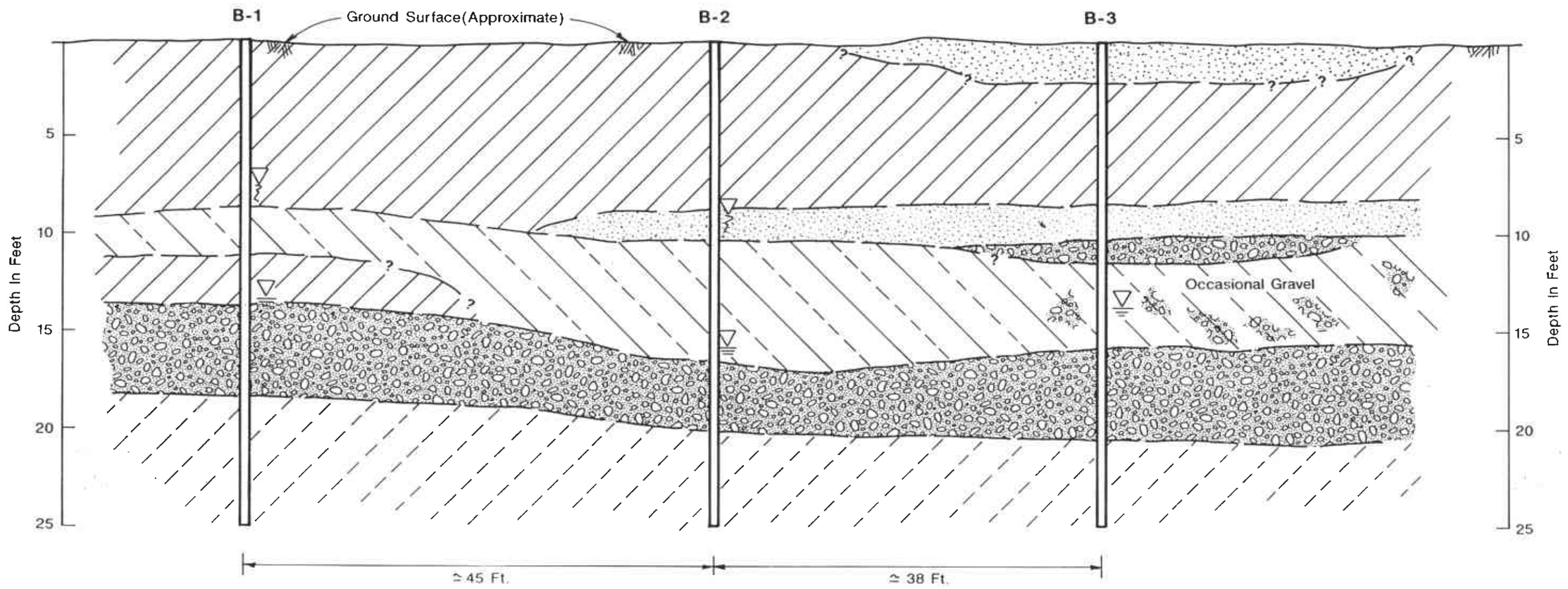
LEGEND:

- APPROXIMATE BUILDING LOCATION
- MW-11 — EXISTING MONITORING WELL
- HOL-1 — PREVIOUS GROUNDWATER GRAB SAMPLE LOCATION
- MW-12 — NEW MONITORING WELL
- HD-3 — GROUNGWATER GRAB SAMPLE LOCATION
- 7.4 — CHEMICAL CONCENTRATION in ug/L

FIGURE 1
OFFSITE GROUNDWATER SAMPLE LOCATIONS AND ANALYTICAL RESULTS
DEL MONTE PLANT 35
EMERYVILLE, CALIFORNIA

BAE28830.PZ.03

CH2MHILL



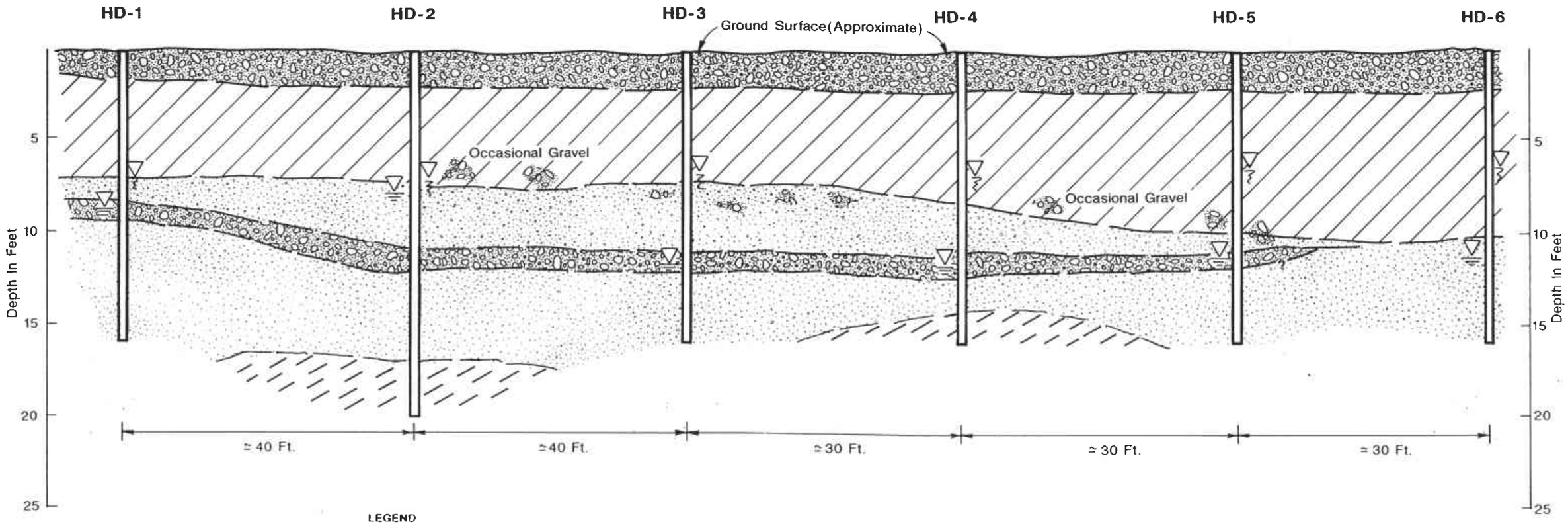
LEGEND

- Silty Clay
- Silt With Sand
- Well-Graded Sand With Silt
- Lean Clay With Sand
- Silty Sand/Sandy Silt
- Gravelly Silt With Sand To Silty Sand With Gravel
- Elevation That Groundwater Was Encountered During Drilling
- Static Groundwater Elevation

FIGURE 2
GEOLOGIC CROSS-SECTION A-A

Del Monte Plant No. 35
Emeryville, California

CH2M HILL



LEGEND

- Sandy Silt
- Lean Clay With Sand
- Gravelly Clay/Clayey Gravel With Sand
- Silt With Sand
- Elevation That Groundwater Was Encountered During Drilling
- Static Groundwater Elevation

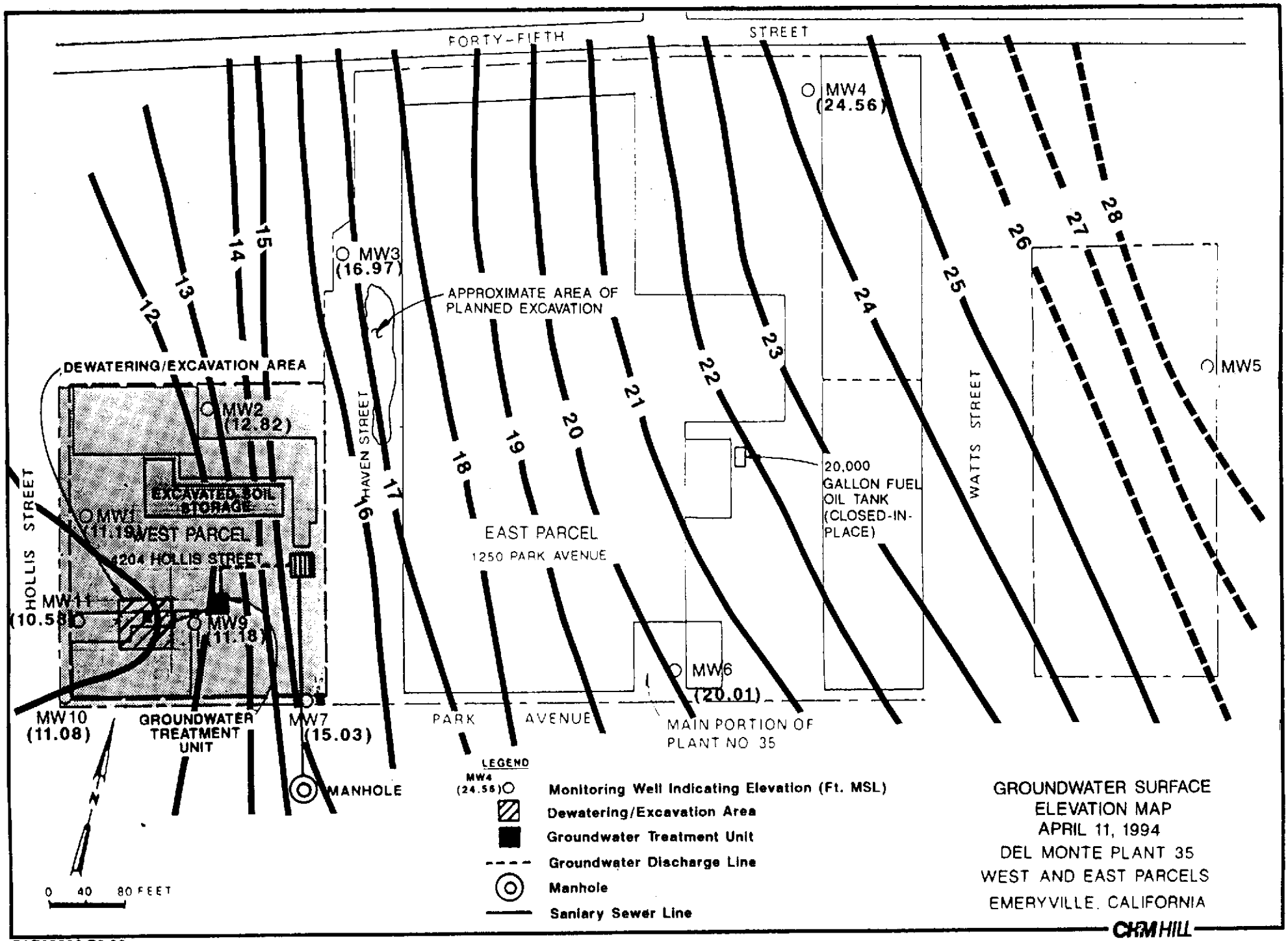
FIGURE 3
GEOLOGIC CROSS-SECTION B-B

Del Monte Plant No. 35
Emeryville, California

BAE28830.P2.03

CH2MHILL

Appendix A
Groundwater Surface Elevation Map



GROUNDWATER SURFACE ELEVATION MAP
APRIL 11, 1994
DEL MONTE PLANT 35
WEST AND EAST PARCELS
EMERYVILLE, CALIFORNIA

CH2M HILL

BAE28830.P2.03

Appendix B
Soil Boring Logs

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	MW-12 SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.34 ft bgs 3/2/94 **START** 2/28/94 **FINISH** 2/28/94 **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	1.0					organics present
	2.5	S-1	1.3		LEAN CLAY with SAND, (CL), dark gray with brown mottling, moist, stiff, fine to medium grained sand, occasional gravel near base of sample	
	4.0	S-2	1.5		LEAN CLAY with SAND, (CL), similar to above	
6.0	5.5	S-3	1.4		LEAN CLAY with SAND, (CL), medium gray, moist, stiff, fine to medium grained sand, occasional gravel	increased sand and gravel content
	7.0	S-4	1.5		LEAN CLAY with SAND, (CL), similar to above, medium gray with light brown mottling, firm	slight odor from sample
	8.5	S-5	1.2		SANDY SILT with CLAY, (ML), olive with white mineral deposits and orange staining, moist, soft, fine to medium grained sand	
10.0	10.0	S-6	1.4		Top 6 in.:GRAVELLY SANDY SILT, (ML), olive with orange staining, dry to moist, firm, fine to medium grained sand, fine gravel Bottom 11 in.:SILT with SAND and GRAVEL, (ML), olive with orange staining, dry to moist, firm, fine to medium grained sand, fine gravel	
	11.5	S-7	1.5		Top 12 in.:CLAYEY SILT with SAND, (ML), olive with black streaks, moist, stiff, fine grained sand, trace gravel Bottom 6 in.:SANDY SILT/SILTY SAND, (ML/SM), medium brown to orange, moist, soft, fine to medium grained sand	groundwater encountered at approx 11.5 ft
	13.0	S-8	1.5		Top 6 in.:SANDY SILT/SILTY SAND, (ML/SM), similar to above Bottom 12 in.:SANDY SILT with CLAY, (ML), medium brown with black and orange, wet, stiff, fine to medium grained sand	
	14.5	S-9	1.4		SANDY SILT with CLAY, (ML), similar to above	

CHM HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	MW-12 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.34 ft bgs 3/2/94 **START** 2/28/94 **FINISH** 2/28/94 **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	16.0	S-10	1.1		SANDY SILT, (ML), medium light brown, moist, soft, plastic, fine grained sand, some organics	organics present
	17.5	S-11	1.3		Top 12 in.:SANDY SILT, (ML), similar to above Bottom 3 in.:SANDY SILT, (ML), medium brown to gray, moist, very stiff, fine grained sand	
	19.0	S-12	1.4		SANDY SILT, (ML), similar to above	
20.0	20.5	S-13	1.5		SANDY SILT, (ML), similar to above	
					Total Depth = 20.5	
25.0						

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-1 SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.74 ft bgs 2/24/94 **START** 2/24/94 11:20 am **FINISH** 2/24/94 12:10 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	1.0					
	2.5	S-1	1.5	--	Top 12 in.: GRAVELLY SANDY CLAY, (CL), medium brown, moist to wet, firm, well graded sand, fine gravel Bottom 6 in.: LEAN CLAY with SAND, (CL), dark gray, moist, stiff, fine grained sand	
	4.0	S-2	1.5	--	LEAN CLAY with SAND, (CL), similar to above with orange and brown mottling	organic material (roots)
5.0	5.5	S-3	1.5	--	Top 6 in.: LEAN CLAY with SAND, (CL), similar to above Bottom 12 in.: SILTY LEAN CLAY with SAND, (CL), light gray, moist, stiff, occasional fine rounded gravel	
	7.0	S-4	1.2	--	SILTY LEAN CLAY with SAND, (CL), similar to above, olive, gravel up to 1/2 inch	
	8.5	S-5	1.5	--	SANDY SILT, (ML), medium brown and gray with orange staining, moist, firm, fine grained sand	
	10.0	S-6	1.5	--	Top 12 in.: CLAYEY GRAVEL to GRAVELLY CLAY, (GC-CL), medium brown, wet, dense, well graded sand, fine rounded gravel Bottom 6 in.: SANDY SILT with GRAVEL, (ML), medium brown with dark specks and orange mottling, stiff, fine grained sand	
10.0	11.5	S-7	0.0	--		no recovery
	13.0	S-8	1.5	--	SANDY SILT, (MH), medium brown and gray with orange staining and black streaks, elastic, very fine sand	
	14.5	S-9	1.5	--	similar to above	

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-1 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.74 ft bgs 2/24/94 **START** 2/24/94 11:20 am **FINISH** 2/24/94 12:10 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
		S-10	1.5	--	SANDY SILT (MH), medium gray with brown and orange staining, wet, firm, fine grained sand, increase in fine rounded gravel towards base	
	16.0				Total Depth = 16.0 ft	
20.0						
25.0						

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-2 SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.44 ft bgs 2/24/94 **START** 2/24/94 9:15 am **FINISH** 2/24/94 10:20 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	1.0				Top 12 in.: GRAVELLY SANDY CLAY, (CL), medium brown, moist, firm, fine to medium sand, fine gravel Bottom 6 in.: LEAN CLAY with SAND, (CL), dark brown, moist, stiff, very fine grained sand, trace of gravel	rockbase
	2.5	S-1	1.5	--		organic material (roots)
	4.0	S-2	1.5	--	LEAN CLAY with SAND, (CL), similar to above	gravel up to 1/2 in. at 3.5 ft
5.0	5.5	S-3	1.5	--	Top 6 in.: LEAN CLAY with SAND, (CL), similar to above Bottom 12 in.: CLAYEY SILT, (ML), light gray, moist, stiff, interbedded with coarse sand to fine gravel	
	7.0	S-4	1.2	--	Top 6 in.: CLAYEY SILT, (ML), similar to above Bottom 12 in.: SANDY GRAVELLY CLAY, (CL), medium gray with brown mottling and orange staining, fine to coarse sand, fine gravel	
	8.5	S-5	1.5	--	Top 6 in.: SANDY GRAVELLY CLAY, (CL), similar to above Bottom 12 in.: SILT with SAND, (ML), light gray to brown, wet, stiff, very fine grained sand	groundwater encountered at 7 to 7.5 ft
	10.0	S-6	1.5	--	SILT with SAND, (ML), similar to above, black streaking and orange staining, occasional fine rounded gravel, moist	
10.0	11.5	S-7	1.5	--	SANDY SILT, (ML), light brown with black specks and orange staining, wet, stiff, fine grained sand	
	13.0	S-8	1.5	--	Top 6 in.: GRAVELLY SILT with SAND, (ML), medium brown, wet, firm, fine gravel Bottom 12 in.: SANDY SILT, (ML), medium brown with dark brown mottling, occasional fine gravel, fine grained sand, orange staining	
	14.5	S-9	1.5	--	SANDY SILT, (ML), similar to above	
					Top 12 in.: SANDY SILT, (ML), similar to above, soft	

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-2 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.44 ft bgs 2/24/94 **START** 2/24/94 9:15 am **FINISH** 2/24/94 10:20 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	16.0	S-10	1.5	--	Bottom 6 in.: SANDY SILT with GRAVEL, (ML), medium brown with orange mottling, wet, firm, fine grained sand	
	17.5	S-11	1.5	--	Top 6 in.: SANDY SILT with GRAVEL, (ML), similar to above Bottom 12 in.: SANDY SILT, (ML), medium brown with orange staining, wet to moist, fine grained sand,	
	19.0	S-12	1.5	--	ELASTIC SILT with SAND, (MH), light gray, soft, fine grained sand, wet	
20.0	20.5	S-13	1.5	--	ELASTIC SILT with SAND, (MH), similar to above	
					Total Depth = 20.5 ft	
25.0						

CHM HILL

PROJECT NUMBER	BORING NUMBER	
BAE28830.P2.03	HD-3	SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.04 ft bgs 2/24/94 **START** 2/24/94 12:30 pm **FINISH** 2/24/94 1:30 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	1.0					
		S-1	1.1	--	Top 10 in.: GRAVELLY SANDY CLAY, (CL), medium brown with orange staining, moist, firm, fine to medium grained sand, fine gravel Bottom 3 in.: SILTY LEAN CLAY with SAND, (CL), dark gray with slight brown mottling, moist, stiff, very fine grained sand	rockbase material
	2.5					
		S-2	1.5	--	SILTY LEAN CLAY with SAND, (CL), similar to above	organic material (roots)
	4.0					
5.0		S-3	1.5	--	SILTY LEAN CLAY with SAND, (CL), similar to above, medium gray	
	5.5					
		S-4	1.2	--	CLAYEY SILT with SAND, (ML), medium gray with brown mottling, moist, stiff, very fine sand, some orange mottling	
	7.0					
		S-5	1.5	--	CLAYEY SILT with SAND, (ML), similar to above	
	8.5					
		S-6	1.5	--	Top 6 in.: CLAYEY SILT with SAND, (ML), similar to above Bottom 12 in.: CLAYEY SILT with SAND and GRAVEL, (ML), medium brown with gray mottling and black and orange staining, moist, firm, fine grained sand, fine rounded gravel	
10.0	10.0					
		S-7	1.2	--	Top 12 in.: CLAYEY SILT with SAND and GRAVEL, (ML), similar to above Bottom 6 in.: SANDY SILT with GRAVEL, (ML), medium brown and gray mottling with substantial orange staining, moist, firm, fine to medium grained sand, fine rounded gravel	decreasing gravel from 10 to 11 ft
	11.5					
		S-8	1.5	--	Top 8 in.: SILTY GRAVEL, (GM), medium brown, wet, fine to medium gravel, dense Bottom 10 in.: SANDY SILT, (MH), light brown to gray with black specks, wet, firm, fine grained sand	
	13.0					
		S-9	1.5	--	SANDY SILT, (MH), similar to above, more plastic, less sand	
	14.5					
					SANDY SILT, (MH), similar to above	

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-3 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.04 ft bgs 2/24/94 **START** 2/24/94 12:30 pm **FINISH** 2/24/94 1:30 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
		S-10	1.5	--	SANDY SILT, (MH), similar to above, with occasional fine rounded gravel	
	16.0				Total Depth = 16.0 ft	
20.0						
25.0						

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-4 SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.34 ft bgs 2/24/94 **START** 2/24/94 2:00 pm **FINISH** 2/24/94 2:45 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	1.0					
	2.5	S-1	1.3	--	Top 12 in.: GRAVELLY CLAY, (CL), medium brown with orange staining, moist, stiff, coarse sand to fine grained gravel Bottom 6 in.: SILTY CLAY, (CL), dark gray with brown mottling, moist to dry, stiff, some fine grained sand	rockbase material
	4.0	S-2	1.0	--	SILTY CLAY, (CL), similar to above	organic material (roots)
5.0	5.5	S-3	1.5	--	SILTY CLAY, (CL), similar to above, medium gray, increased organics and orange staining	
	7.0	S-4	1.5	--	SILTY CLAY, (CL), similar to above, medium gray brown, some mottling, fine grained sand	
	8.5	S-5	1.5	--	SILTY CLAY with SAND and GRAVEL, (CL), olive with with white mineral sand deposits, moist to dry, stiff, fine to medium grained sand	
	10.0	S-6	1.5	--	SANDY SILT, (ML), medium brown and gray with orange staining, moist, stiff, fine to medium grained sand, fine gravel	
10.0	11.5	S-7	1.5	--	Top 15 in.: CLAYEY SILT, (ML), medium gray with black and brown specks, some orange staining, fine rounded gravel present Bottom 3 in.: SANDY SILT, (ML), light gray with orange staining, black specks, fine to medium grained sand, trace of fine rounded gravel	
	13.0	S-8	1.4	--	Top 6 in.: SANDY SILT, (ML), similar to above Bottom 12 in.: SANDY SILT, (ML), similar to above, increased plasticity, decreasing sand content	groundwater encountered at approx 11.5 ft
	14.5	S-9	1.5	--	CLAYEY SILT with SAND, (MH), light brown with orange mottling, wet, stiff, plastic, very fine sand	

CHM HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-4 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.34 ft bgs 2/24/94 **START** 2/24/94 2:00 pm **FINISH** 2/24/94 2:45 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
		S-10	1.5	--	CLAYEY SILT with SAND, (MH), similar to above, no orange mottling	
	16.0				Total Depth = 16.0 ft	
20.0						
25.0						

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-5 SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 5.9 ft bgs 2/25/94 **START** 2/25/94 8:00 am **FINISH** 2/25/94 8:45 am **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
	1.0					
	2.5	S-1	1.2	--	Top 12 in.: GRAVELLY SANDY CLAY/CLAYEY GRAVEL, (CL/GC), medium brown with orange staining, moist, firm/dense, well graded sand, fine gravel Bottom 6 in.: LEAN CLAY with SAND, (CL), dark gray with medium brown mottling, moist, stiff, some fine sand	rockbase material
	4.0	S-2	1.3	--	LEAN CLAY with SAND, (CL), similar to above	
5.0	5.5	S-3	1.5	--	LEAN CLAY with SAND and SILT, (CL), medium to dark gray with mottling, moist to dry, stiff, very fine grained sand	
	7.0	S-4	1.5	--	SILTY CLAY, (CL), medium gray with orange staining, moist to dry, very fine grained sand	occasional fine, subrounded gravel up to 1/2 in.
	8.5	S-5	1.3	--	SILTY CLAY with SAND, (CL), olive with with white sand seams, moist, stiff, occasional fine rounded gravel	
	10.0	S-6	1.5	--	SILTY CLAY with SAND, (CL), similar to above, increased sand and gravel content, orange staining near top	
10.0	11.5	S-7	1.5	--	SILTY CLAY with SAND and GRAVEL, (CL), medium gray with black specks, significant orange staining, increased subangular gravel	groundwater encountered at approx 11 ft
	13.0	S-8	1.4	--	Top 6 in.: SANDY CLAY, (CL), light brown to gray, wet, firm, fine grained sand Bottom 12 in.: SANDY SILT, (ML), light brown to gray with black specks, wet, stiff, fine grained sand	
	14.5	S-9	1.3	--	SANDY SILT, (ML), similar to above	

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-5 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 5.9 ft bgs 2/25/94 **START** 2/25/94 8:00 am **FINISH** 2/25/94 8:45 am **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
		S-10	1.2	--	SANDY SILT, (MH), similar to above, medium brown-orange, increasing plasticity	occasional gravel
	16.0				Total Depth = 16.0 ft	
20.0						
25.0						

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-6 SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.3 ft bgs 2/25/94 **START** 2/25/94 9:10 am **FINISH** 2/25/94 9:55 am **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	1.0					
	2.5	S-1	1.5	--	Top 12 in.:CLAYEY GRAVEL and SAND, (GC-SC), medium brown with black and orange specks, well graded sand, fine gravel, moist, dense Bottom 6 in.:LEAN CLAY with SAND, (CL), dark gray, moist, stiff, fine grained sand, some silt	rockbase material
	4.0	S-2	1.5	--	LEAN CLAY with SAND, (CL), similar to above	some organics present
5.0	5.5	S-3	1.2	--	LEAN CLAY with SAND and SILT, (CL), medium gray with brown mottling, moist, stiff, very fine grained sand, occasional fine rounded gravel	
		S-4	1.4	--	SILTY CLAY, (CL), similar to above, medium gray to olive	
	8.5	S-5	1.3	--	SILTY CLAY with SAND, (CL), olive with with white sand seams, black streaks, moist, firm to soft, medium grained sand	
	10.0	S-6	1.4	--	Top 6 in.:SILTY CLAY with SAND, (CL), similar to above, olive gray with black and orange staining, moist, stiff, fine gravel Bottom 11 in.:SILTY CLAY with SAND, (CL), olive with black streaks, moist, stiff, fine grained sand	
10.0	11.5	S-7	1.5	--	Top 12 in.:SILTY CLAY with SAND, (CL), similar to above Bottom 6 in.:SANDY SILT with CLAY, (ML), olive with brown mottling, black and orange staining, wet, firm, interbedded gravel	groundwater encountered at approx 11 ft
	13.0	S-8	1.5	--	Top 6 in.:SANDY SILT with CLAY, (ML), similar to above Bottom 12 in.:CLAYEY SILT with SAND, (ML), medium to light brown with black and orange specks, wet to moist, stiff, fine grained sand	
	14.5	S-9	1.5	--	Top 12 in.:CLAYEY SILT with SAND, (ML), similar to above Bottom 6 in.:SANDY SILT, (ML), medium brown with gray mottling, moist, firm, fine grained sand	

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	HD-6 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.3 ft bgs 2/25/94 **START** 2/25/94 9:10 am **FINISH** 2/25/94 9:55 am **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE: INTERVAL	SAMPLE: NUMBER AND TYPE	SAMPLE: RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE DRILLING FLUID LOSS TESTS AND INSTRUMENTATION
		S-10	1.5	--	SANDY SILT (ML), similar to above	
	16.0				Total Depth = 16.0 ft	
20.0						
25.0						

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	PK-2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.54 ft bgs 3/1/94 **START** 3/1/94 8:45 am **FINISH** 3/1/94 9:30 am **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION	COMMENTS
					SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	DEPTH OF CASING, DRILLING RATE DRILLING FLUID LOSS TESTS AND INSTRUMENTATION
	1.0					
	2.5	S-1	1.2	--	LEAN CLAY with SAND, (CL), dark gray, moist, stiff, fine grained sand, occasional fine gravel	organics (roots) present
	4.0	S-2	1.3	--	LEAN CLAY with SAND and SILT, (CL), dark to medium gray, moist, stiff, fine grained sand, occasional fine gravel	
5.0	5.5	S-3	1.4	--	Top 12 in.:LEAN CLAY with SAND and SILT, (CL), similar to above Bottom 5 in.:SILTY CLAY with SAND, (CL), medium gray with brown mottling, orange staining, stiff, fine sand, some fine rounded gravel	
	7.0	S-4	1.3	--	SILTY CLAY with SAND, (CL), similar to above	
	8.5	S-5	1.3	--	WELL GRADED SAND with CLAY and GRAVEL, (SW), medium gray with brown and orange mottling, moist to wet, dense	
	10.0	S-6	1.1	--	Top 6 in.:WELL GRADED SAND with CLAY and GRAVEL, (SW), similar to above Bottom 7 in.:POORLY GRADED SILTY SAND, (SP-SM), medium brown with orange mottling, moist, very fine sand	
10.0	11.5	S-7	1.3	--	Top 6 in.:GRAVELLY CLAY, (CL), medium brown, wet, loose, fine rounded gravel and coarse sand Bottom 10 in.:GRAVELLY SILT with SAND, (ML), medium brown with orange staining, moist, fine sand, up to 1/2 in. gravel	groundwater encountered at approx 10.0 ft
	13.0	S-8	1.1	--	SILT with SAND, (ML), medium brown with black specks, moist, stiff, fine grained sand	
	14.5	S-9	1.4	--	SILT with SAND, (ML), similar to above	

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	PK-2 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.54 ft bgs 3/1/94 **START** 3/1/94 8:45 am **FINISH** 3/1/94 9:30 am **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
		5-10	1.2	--	SANDY SILT (ML), similar to above, increasing plasticity	
	16.0				Total Depth = 16.0 ft	
20.0						
25.0						

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	PK-3 SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.6 ft bgs 2/25/94 **START** 2/25/94 1:40 pm **FINISH** 2/25/94 2:30 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	1.0					4-inches asphalt 6-inches concrete
	2.5	S-1	1.3	--	LEAN CLAY with SAND, (CL), dark gray, moist, firm, fine grained sand, occasional coarse grained sand	organics (roots) present
	4.0	S-2	1.2	--	LEAN CLAY with SAND, (CL), dark gray, moist to dry, stiff, very fine grained sand	
5.0	5.5	S-3	1.1	--	LEAN CLAY with SAND, (CL), similar to above, medium gray with slight brown mottling, occasional coarse grained sand	
	7.0	S-4	1.2	--	Top 11 in.: LEAN CLAY with SAND, (CL), similar to above Bottom 4 in.: SANDY SILT, (ML), olive with white mineral deposits, moist, firm, fine to coarse grained sands	
	8.5	S-5	1.0	--	Top 6 in.: SANDY SILT, (ML), similar to above Bottom 6 in.: SANDY SILT with GRAVEL, (ML), olive brown with orange staining, moist, firm, fine to medium grained sand, fine gravel	
10.0	10.0	S-6	1.4	--	Top 6 in.: CLAYEY GRAVEL, (GC), medium brown, wet, dense, fine gravel, coarse sand Bottom 11 in.: CLAYEY SILT with SAND, (ML), olive brown with orange mottling, moist, very fine sand, stiff	groundwater encountered at approx 8.5 ft
	11.5	S-7	1.2	--	SANDY GRAVELLY CLAY, (CL), medium brown with black and orange specks, wet, dense, fine gravel, fine to coarse grained sand	
	13.0	S-8	1.3	--	Top 6 in.: SANDY SILT, (ML), dark gray to black with medium brown mottling, soft, fine grained sand Bottom 10 in.: SILT with SAND, (ML), medium olive brown with gray, moist, firm, increased plasticity, very fine grained sand	
	14.5	S-9	1.4	--	SILT with SAND, (ML), similar to above	

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	PK-3 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.6 ft bgs 2/25/94 **START** 2/25/94 1:40 pm **FINISH** 2/25/94 2:30 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE TYPE AND NUMBER	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
		S-10	1.3	--	SILT with SAND, (ML), similar to above, increasing plasticity	
	16.0				Total Depth = 16.0 ft	
20.0						
25.0						

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	PK-4 SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 5.47 ft bgs 3/1/94 **START** 2/28/94 14:25 **FINISH** 2/28/94 15:45 **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE DRILLING FLUID LOSS TESTS AND INSTRUMENTATION
						2-inches asphalt 6-inches concrete
	1.0					
	2.5	S-1	1.2	--	Top 6 in.:CLAYEY SAND with GRAVEL, (SC), medium brown, moist, dense, fine to medium grained sand, fine gravel Bottom 8 in.:LEAN CLAY with SAND, (CL), medium dark gray, moist, stiff, fine sand, occasional fine gravel	
	4.0	S-2	1.5	--	LEAN CLAY with SAND, (CL), similar to above	organics present (roots)
5.0	5.5	S-3	1.3	--	LEAN CLAY with SAND, (CL), similar to above, brown gray	
	7.0	S-4	1.5	--	Top 12 in.:LEAN CLAY with SAND, (CL), similar to above Bottom 6 in.:CLAYEY SILT with SAND, (ML), olive with orange staining, sand seams, moist, stiff, fine sand, occasional fine rounded gravel	
	8.5	S-5	1.4	--	Top 10 in.:SILTY SAND with GRAVEL, (SM), medium brown with orange staining, moist, dense, fine to medium grained sand, up to 1/2 in. gravel Bottom 7 in.:SANDY SILT, (ML), medium gray with brown mottling and orange staining, moist, fine to medium grained sand	
	10.0	S-6	1.3	--	CLAYEY SILT with SAND, (ML), olive with orange specks, moist, stiff, fine sand	
10.0	11.5	S-7	1.4	--	SANDY SILT with GRAVEL, (ML), medium brown with orange specks, moist to dry, firm, fine to medium grained sand, up to 1/2 in. gravel	
	13.0	S-8	1.5	--	SILT with SAND, (ML), medium brown with black and orange mottling, moist, stiff, fine grained sand	
	14.5	S-9	1.5	--	Top 12 in.:SILT with SAND, (ML), similar to above Bottom 6 in.:SANDY SILT, (ML) medium brown, moist, stiff, fine grained sand	
					SANDY SILT, (ML), similar to above	

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	PK-5 SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 5.9 ft bgs 2/25/94 **START** 2/25/94 12:30 pm **FINISH** 2/25/94 1:20 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE DRILLING FLUID LOSS TESTS AND INSTRUMENTATION
	1.0					2-inch rock stuck in shoe of sample
	2.5	S-1	0.0	--		
	4.0	S-2	1.0	--	LEAN CLAY with SAND, (CL), dark gray with a few orange and white specks, moist to dry, stiff, very fine sand	
5.0	5.5	S-3	1.3	--	LEAN CLAY with SAND, (CL), dark gray with light brown mottle, moist to dry, fine grained sand, occasional fine rounded gravel	
	7.0	S-4	1.4	--	Top 6 in.:LEAN CLAY with SAND, (CL), similar to above, medium gray Bottom 11 in.:LEAN CLAY with SAND, (CL), gray with brown mottling throughout, moist, stiff, fine grained sand	
	8.5	S-5	1.0	--	Top 6 in.:SANDY SILT, (ML), medium gray, moist, soft, medium grained sand Bottom 6 in.:GRAVELLY CLAY with SILT and SAND, (CL), medium brown with orange staining, dry, firm, up to 3/4 in. gravel	
	10.0	S-6	1.2	--	SILTY CLAY with SAND and GRAVEL, (CL), olive brown with orange and black staining, fine grained sand, stiff, fine rounded gravel	
10.0	11.5	S-7	1.5	--	SANDY SILT with GRAVEL, (ML), olive brown with orange staining,	increased gravel content at 10.5 to 11.5 ft groundwater encountered at approx 11.5 ft
	13.0	S-8	1.5	--	Top 6 in.:SANDY SILT with GRAVEL, (ML), similar to above Bottom 12 in.:CLAYEY SILT with SAND, (ML), medium brown with gray mottling, black and orange specks, wet, firm, fine grained sand	
	14.5	S-9	1.5	--	CLAYEY SILT with SAND, (ML), similar to above	
					Top 6 in.:CLAYEY SILT with SAND, (ML), similar to above	

PROJECT NUMBER	BORING NUMBER	
BAE28830.P2.03	B-2	SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 8.8 ft BGS 2/23/94 **START** 2/23/94 12:15 pm **FINISH** 2/23/94 1:30 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	1.0					
		S-1	1.3	--	LEAN CLAY with SAND, (CL), dark gray to brown, moist, firm, fine to medium sand, trace of fine gravel	brick in bottom 6 inches of sampler
	2.5					
		S-2	1.3	--	LEAN CLAY with SAND, (CL), dark gray, moist, stiff, fine grained sand, trace of fine gravel	
	4.0					
		S-3	1.2	--	LEAN CLAY with SAND, (CL), similar to above	
5.0	5.5					
		S-4	1.2	--	LEAN CLAY with SAND, (CL), similar to above	
	7.0					
		S-5	1.5	--	LEAN CLAY with SAND and GRAVEL, (CL), medium gray with brown specks, stiff, fine grained sand, fine rounded gravel	tip of sampler showed white silty sand to sandy silt
	8.5					
		S-6	1.5	--	SANDY SILT, (ML), white to light gray, moist, firm, medium grained sand	increased sand layer at 9 to 9.5 ft (SM/ML)
10.0	10.0					
		S-7	1.5	--	Top 3 in.:SANDY SILT, (ML), white to gray, moist, stiff Bottom 9 in.:SILTY LEAN CLAY with SAND, (CL), light brown to gray with dark brown specks, stiff, trace of fine gravel	
	11.5					
		S-8	1.5	--	SILTY LEAN CLAY with SAND, (CL), similar to above	
	13.0					
		S-9	1.5	--	SILTY LEAN CLAY with SAND, (CL), similar to above, light brown to gray with orange staining towards bottom, moist, fine to medium sand, 2 inch piece of gravel	increased orange mottling with depth
	14.5					
					SILTY LEAN CLAY with SAND, (CL), similar to above, dark brown with light mottling	

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	B-2 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 8.8 ft BGS 2/23/94 **START** 2/23/94 12:15 pm **FINISH** 2/23/94 1:30 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	16.0	S-10	1.5	--	grading to medium brown with orange mottling toward bottom, moist to wet, fine rounded gravel present throughout	
	17.5	S-11	1.5	--	SILTY LEAN CLAY with SAND and GRAVEL, (CL), medium brown with gray mottling, wet, medium to coarse sand, fine rounded gravel present throughout	
	19.0	S-12	1.5	--	SANDY SILT with GRAVEL, (ML), medium brown with dark specks and orange mottling, wet to moist, fine to coarse grained sand, some fine rounded gravel	decreasing coarse material with depth
20.0	20.5	S-13	1.5	--	GRAVELLY SILT with SAND, (ML), medium brown with dark specks and orange mottling, tight formation, fine to medium grained sand, up to 1/2 inch gravel	
	22.0	S-14	1.4	--	SANDY SILT with GRAVEL, (ML), medium brown to gray, moist to wet, stiff to firm, coarse sand to fine gravel towards top of sample grading to fine to medium sand at bottom	
	23.5	S-15	1.5	--	SANDY SILT, (MH), light gray and brown, moist to wet, firm, fine grained sand	less dense than above and below
	25.0	S-16	1.5	--	SANDY SILT with CLAY, (ML), medium brown and gray with increasing orange mottling with depth, moist, fine grained sand	
25.0					Total Depth = 25.0 ft	

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	B-3 SHEET 1 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS Encountered at approx 13' bgs **START** 2/23/94 2:00 pm **FINISH** 2/23/94 3:30 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
	1.0					
	2.5	S-1	1.0	--	Top 12 in.:WELL GRADED SAND with SILT, (SW), medium brown, trace of fine rounded gravel, pieces of brick Bottom 6 in.:LEAN CLAY, (CL), dark brown, moist, intermixed with broken glass	
	4.0	S-2	1.3	--	LEAN CLAY with SILT and SAND, (CL), dark brown, moist, firm, fine grained sand	organic material (roots)
5.0	5.5	S-3	1.4	--	SILTY LEAN CLAY, (CL), dark brown with orange staining, moist , stiff, fine grained sand and fine rounded gravel	increase in gravel with depth
	7.0	S-4	1.4	--	LEAN CLAY with SILT and SAND, (CL), medium dark gray, moist, very stiff, very fine grained sand	tight formation
	8.5	S-5	1.4	--	SILTY LEAN CLAY with SAND, (CL), medium dark gray, moist, very stiff, very fine grained sand	tip of sampler showed white sandy silt, with coarse sand
	10.0	S-6	1.3	--	Top 6 in.:SANDY SILT, (ML), white to light gray, moist, firm, coarse grained sand Bottom 12 in.:SILTY SAND, (SM), white to light gray, moist, medium dense, well graded sand	varying interbedded zones of sand and silt
10.0	11.5	S-7	1.4	--	Top 6 in.:SILT with SAND and CLAY, (ML), medium gray, moist, stiff, fine sand Bottom 12 in.:GRAVELLY SILT with SAND, (ML), medium gray to brown, moist, stiff, fine to coarse sand, fine rounded gravel	
	13.0	S-8	1.5	--	SILTY LEAN CLAY with SAND, (CL), medium gray to brown with increasing orange staining with depth, moist, stiff, fine grained sand	
	14.5	S-9	1.3	--	Top 6 in.:GRAVELLY CLAY with SAND, (CL), brown, wet, medium dense, fine to medium grained sand, fine rounded gravel Bottom 12 in.:SILTY LEAN CLAY, (CL), medium brown and gray with orange mottling, wet to moist, stiff	
					SILTY LEAN CLAY, (CL), similar to above	

CH2M HILL

PROJECT NUMBER	BORING NUMBER
BAE28830.P2.03	B-3 SHEET 2 OF 2

SOIL BORING LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS Encountered at approx 13' bgs **START** 2/23/94 2:00 pm **FINISH** 2/23/94 3:30 pm **LOGGER** Keith Gally

DEPTH BELOW SURFACE (FT)	SAMPLE INTERVAL	SAMPLE NUMBER AND TYPE	SAMPLE RECOVERY	STANDARD PENETRATION TEST RESULTS 6"-6"-6" (N)	SOIL DESCRIPTION: SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY	COMMENTS: DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS AND INSTRUMENTATION
		S-10	1.3	--		
	16.0				Top 12 in.: SILT with GRAVEL, (ML), medium brown with orange staining, moist, medium stiff, fine grained sand, fine gravel	
		S-11	1.5	--	Bottom 6 in.: SANDY SILT, (ML), medium brown with orange and dark mottling, moist, soft to medium stiff, fine grained sand	
	17.5				SANDY SILT, (ML), similar to above	
		S-12	1.4	--		
	19.0				SILTY SAND and GRAVEL, (SM-GM), medium brown with orange mottling, wet, loose, fine grained sand, fine gravel	
20.0		S-13	1.3	--		
	20.5				SANDY SILT, (MH), medium brown with orange mottling, wet, soft, fine grained sand	
		S-14	1.3	--		
	22.0				SILT with SAND, (MH), medium brown with orange and white deposits, stiff, fine grained sand	
		S-15	1.5	--		
	23.5				SILT with SAND, (MH), similar to above	
		S-16	1.5	--		
	25.0					
25.0					Total Depth = 25.0	

Appendix C
Well Completion Log

CH2M HILL

PROJECT NUMBER	BORING NUMBER	
BAE28830.P2.03	MW-12	SHEET 1 OF 1

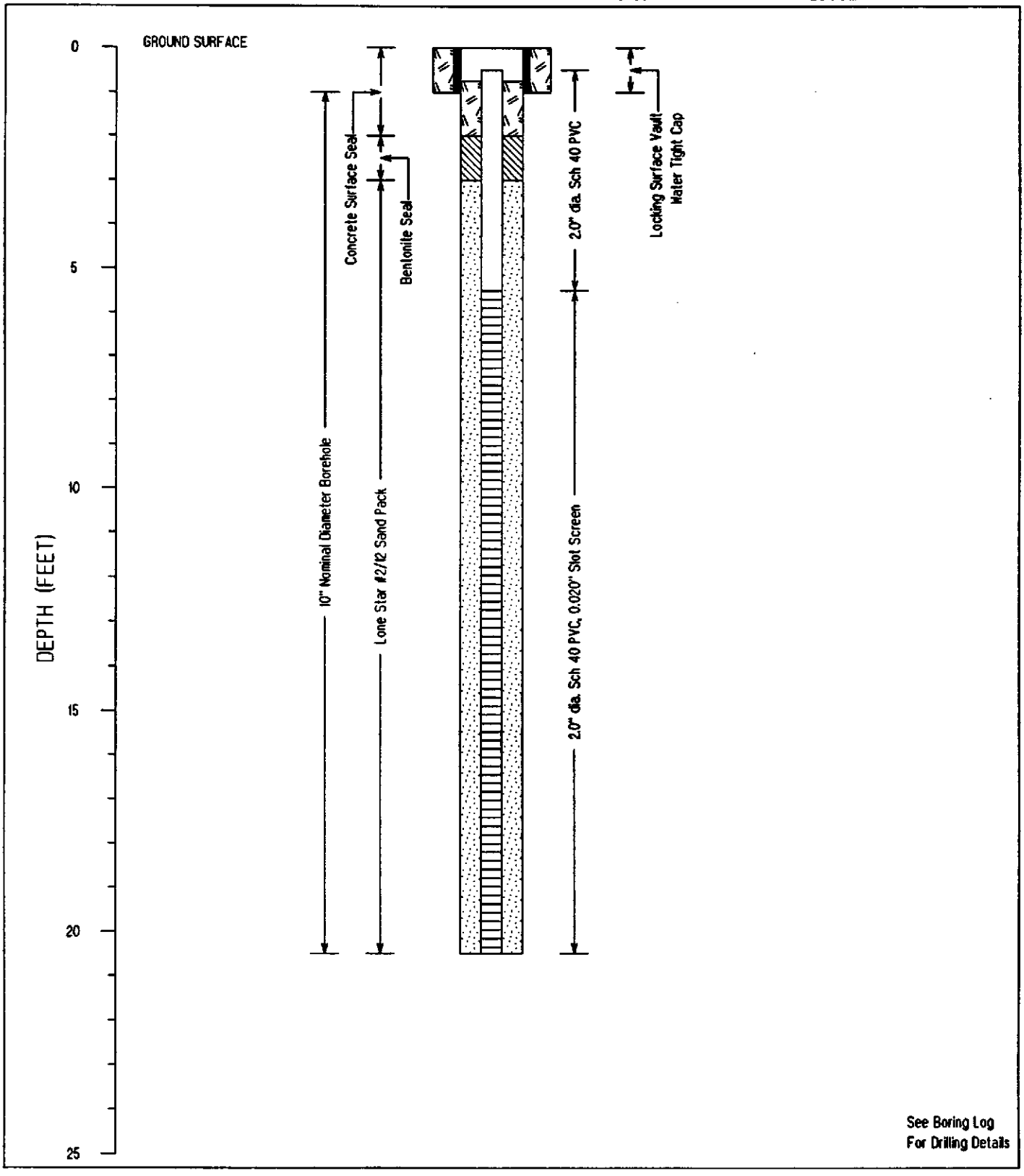
WELL COMPLETION LOG

PROJECT Del Monte Plant #35 **LOCATION** Emeryville, CA

ELEVATION _____ **DRILLING CONTRACTOR** Gregg Drilling, Pacheco, CA

DRILLING METHOD AND EQUIPMENT Simco 2400, Hollow Stem Auger, 5-1/4 inch O.D.

WATER LEVELS 6.3 ft BGS 3/2/94 **START** 2/28/94 **FINISH** 2/28/94 **LOGGER** Keith Gally



See Boring Log
For Drilling Details

Appendix D
Analytical Laboratory Reports

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 2, 1994

ChromaLab File #: 9402315

CH2M HILL OAKLAND
1111 Broadway, Suite 1200
Oakland, CA 94607-4046

Attn: Madeline Wall

RE: Analysis for project DEL MONTE PLANT 35, number BAE28830.P2.03.

REPORTING INFORMATION

Samples were received cold and in good condition on February 24, 1994. They were refrigerated upon receipt and analyzed as described in the attached report. ChromaLab followed EPA or equivalent methods for all analysis reported.

No discrepancies were observed or difficulties encountered with the analysis.

SAMPLES TESTED IN THIS REPORT

Sample ID	Matrix	Date collected	Lab sample #
DM35GWHD1	WATER	February 24, 1994	44625
DM35GWHD2	WATER	February 24, 1994	44626
DM35GWHD3	WATER	February 24, 1994	44627
DM35GWHD4	WATER	February 24, 1994	44628
TRIP BLANK	WATER	February 24, 1994	44629

Jill Thomas
Quality Assurance Manager

Eric Tam
Laboratory Director

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 25, 1994 ChromaLab File#: 9402315

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 24, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWHD1** *Matrix:* WATER
Lab #: 44625-2332 *Sampled:* February 24, 1994 *Analyzed:* February 24, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	110
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	94
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	2.9	0.5	N.D.	99
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	107
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 25, 1994 ChromaLab File#: 9402315

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 24, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWHD2** *Matrix:* WATER
Lab #: 44626-2332 *Sampled:* February 24, 1994 *Analyzed:* February 24, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	10	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	110
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	42	0.5	N.D.	94
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	9.2	0.5	N.D.	99
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	107
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 25, 1994 ChromaLab File#: 9402315

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 24, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWHD3** *Matrix:* WATER
Lab #: 44627-2332 *Sampled:* February 24, 1994 *Analyzed:* February 24, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	7.9	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	1.0	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	2.4	0.5	N.D.	--
IS-1,2-DICHLOROETHENE	47	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	110
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	0.80	0.5	N.D.	--
TRICHLOROETHENE	190	0.5	N.D.	94
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	20	0.5	N.D.	99
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	107
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 25, 1994

ChromaLab File#: 9402315

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 24, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWHD4** *Matrix:* WATER
Lab #: 44628-2332 *Sampled:* February 24, 1994 *Analyzed:* February 24, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	13	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	4.0	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	55	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	110
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	48	0.5	N.D.	94
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	37	0.5	N.D.	99
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	107
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 25, 1994

ChromaLab File#: 9402315

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 24, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **TRIP BLANK** *Matrix:* WATER
Lab #: 44629-2332 *Sampled:* February 24, 1994 *Analyzed:* February 24, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
IS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	110
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	94
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	99
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	107
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

HALOGENATED VOLATILES REPORT-QUALITY CONTROL

Date: March 21, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: Feb. 24, 1994

File number: 9402315
Method: Halogenated Volatiles
Method number: EPA 601
Matrix: Water

METHOD BLANK

Compound Name	Result ug/L	Reporting Limits ug/L
CHLOROMETHANE	N.D.	0.5
VINYL CHLORIDE	N.D.	0.5
BROMOMETHANE	N.D.	0.5
CHLOROETHANE	N.D.	0.5
TRICHLOROFLUOROMETHANE	N.D.	0.5
1,1-DICHLOROETHENE	N.D.	0.5
METHYLENE CHLORIDE	N.D.	5.0
1,2-DICHLOROETHENE (TRANS)	N.D.	0.5
1,2-DICHLOROETHENE (CIS)	N.D.	0.5
1,1-DICHLOROETHANE	N.D.	0.5
CHLOROFORM	N.D.	0.5
1,1,1-TRICHLOROETHANE	N.D.	0.5
CARBON TETRACHLORIDE	N.D.	0.5
1,2-DICHLOROETHANE	N.D.	0.5
TRICHLOROETHENE	N.D.	0.5
1,2-DICHLOROPROPANE	N.D.	0.5
BROMODICHLOROMETHANE	N.D.	0.5
2-CHLOROETHYLVINYLETHER	N.D.	0.5
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5
CIS-1,3-DICHLOROPROPENE	N.D.	0.5
1,1,2-TRICHLOROETHANE	N.D.	0.5
TETRACHLOROETHENE	N.D.	0.5
DIBROMOCHLOROMETHANE	N.D.	0.5
CHLOROBENZENE	N.D.	0.5
BROMOFORM	N.D.	0.5
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5
1,3-DICHLOROBENZENE	N.D.	0.5
1,4-DICHLOROBENZENE	N.D.	0.5
1,2-DICHLOROBENZENE	N.D.	0.5
FREON 113	N.D.	0.5

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

HALOGENATED VOLATILES REPORT-QUALITY CONTROL

Date: March 21, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: February 24, 1994

File number: 9402315
Method: Halogenated Volatiles
Method number: EPA 601
Matrix: Water

MS/MSD Sample Spiked: BLANK

PARAMETER	UNITS	SAMPLE RESULT	SPIKE CONC	SPIKED SAMPLE RESULT	% REC	DUP SPIKE RESULT	DUP % REC	CONTROL LIMITS	RPD %	RPD LIMIT %
1,1 Dichloroethene	µg/L	N.D.	20	22.4	112	21.0	105	56/118	6.4	20
Trichloroethene	µg/L	N.D.	20	19.6	98	18.0	90	60/129	8.5	20
Tetrachloroethene	µg/L	N.D.	20	18.8	94	17.8	89	60/127	5.5	20
1,1,2,2 Tetrachloroethane	µg/L	N.D.	20	22.6	113	21.0	105	60/136	7.3	20

% Recovery = (Spike Sample Result-Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spike Result-Duplicate Result)*100/Average Result

CHROMALAB, INC.
Environmental Services (SDB)

Date: March 21, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: Feb. 24, 1994

File number: 9402315
Method: Halogenated Volatiles
Method number: EPA 601
Matrix: Water

SURROGATE RECOVERIES

Sample	1,4-Dichlorobutane Recovery (%)
Blank	92
Blank Spike	111
Blank Spike Duplicate	104
D12	83
D22	93
D32	89
D42	77
TRIP BLANK	91

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

RUSH

CH2M HILL
QUALITY ANALYTICAL LABORATORIES

CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

315/44625 — #44629

CH2M HILL Project #: BAE28831.P2.03
Purchase Order #:

Project Name: Del Monte Plant 35

Company Name/CH2M HILL Office: CH2M HILL /SFO

Project Manager & Phone #: Mr. [✓] Bern Baumgartner   Ms. [ ]   Dr. [ ]

Report Copy to: Madeline Wall

Requested Completion Date: 24 HR TURNAROUND

Sampling Requirements: SDWA [ ] NPDES [ ] RCRA [ ] OTHER ____

Sample Disposal: Dispose [✓] Return [ ]

LAB TEST CODES

SUBM #: 9402315
CLIENT: CH2
DUE: 02/25/94
REF: 15318

Project #:
No. of Samples: Page   of
COC Rev   Login   LIMS Ver   Ack Gen

ANALYSES REQUESTED: CHLORINATED HYDROCARBONS 8010

Date	Time	COMP	GRAB	WATER	SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	# OF CONTAINERS	Chlorinated Hydrocarbons 8010	REMARKS	LAB 1 ID	LAB 2 ID
2/24/94	1400		X	X		DM35GWHD1	2	X			
2/24	1400		X	X		DM35GWHD1	2	~~X~~ Hold for Possible Analysis			
2/24	1300		X	X		DM35GWHD2	2	X			
2/24	1300		X	X		DM35GWHD2	2	~~X~~ Hold for Possible Analysis			
2/24	1500		X	X		DM35GWHD3	2	X			
2/24	1500		X	X		DM35GWHD3	2	~~X~~ Hold for Possible Analysis			
2/24	1600		X	X		DM35GWHD4	2	X			
2/24	1600		X	X		DM35GWHD4	2	~~X~~ Hold for Possible Analysis			
2/24				X		TRIPBLANK	1	X			

Sampled By & Title (Please sign and print name): Keith J. Gally   Keith Gally   Date/Time: 2/24/94 1600

Relinquished By (Please sign and print name): Keith J. Gally   Keith Gally   Date/Time: 2/24/94 1655

Received By (Please sign and print name): [signature] B. Uchiox   Date/Time: 2:24:94 1655

Relinquished By (Please sign and print name):   Date/Time:

Received By (Please sign and print name):   Date/Time:

Relinquished By (Please sign and print name):   Date/Time:

Received By (Please sign and print name):   Date/Time:

HAZWRAP/NESSA: Y N
QC Level: 1 2 3 Other: ____
COC Rec | ICE
Ana Req | TEMP
Cust Seal | Ph

Shipped Via: UPS BUS Fed-Ex Hand Other____
Shipping #:

Work Authorized By (Please sign and print name):

Remarks:

Instructions   Agreement Provisions on Reverse Side

DISTRIBUTION: ORIGINAL - LAB, Yellow - LAB, Pink - Client

REV 1/92 FORM 340

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 3, 1994

ChromaLab File #: 9402339

CH2M HILL OAKLAND
1111 Broadway, Suite 1200
Oakland, CA 94607-4046

Attn: Madeline Wall

RE: Analysis for project DEL MONTE PLANT 35, number BAE28830.P2.03.

REPORTING INFORMATION

Samples were received cold and in good condition on February 25, 1994. They were refrigerated upon receipt and analyzed as described in the attached report. ChromaLab followed EPA or equivalent methods for all analysis reported.

No discrepancies were observed or difficulties encountered with the analysis.

SAMPLES TESTED IN THIS REPORT

Sample ID	Matrix	Date collected	Lab sample #
DM35GWHD5	WATER	February 25, 1994	44752
DM35GWHDD	WATER	February 25, 1994	44753
EB1	WATER	February 25, 1994	44754
DM35GWHD6	WATER	February 25, 1994	44755
DM35GWPK5	WATER	February 25, 1994	44756
DM35GWPK3	WATER	February 25, 1994	44757
TRIP BLANK	WATER	February 25, 1994	44758

Jill Thomas
Quality Assurance Manager

Eric Tam
Laboratory Director

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 28, 1994 ChromaLab File#: 9402339

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 25, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWHD5** *Matrix:* WATER
Lab #: 44752-2352 *Sampled:* February 25, 1994 *Analyzed:* February 25, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	12	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	5.0	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	78	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	99
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	39	0.5	N.D.	106
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	51	0.5	N.D.	92
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	100
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam 1994
Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 28, 1994 ChromaLab File#: 9402339

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 25, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWHDD** *Matrix:* WATER
Lab #: 44753-2352 *Sampled:* February 25, 1994 *Analyzed:* February 25, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	16	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	6.0	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	72	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	99
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	40	0.5	N.D.	106
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	49	0.5	N.D.	92
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	100
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam 1994
Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 28, 1994 ChromaLab File#: 9402339

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 25, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **EB1** *Matrix:* WATER
Lab #: 44754-2352 *Sampled:* February 25, 1994 *Analyzed:* February 25, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
IS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	99
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	106
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	92
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	100
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam 1/97

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 28, 1994 ChromaLab File#: 9402339

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 25, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWHD6** *Matrix:* WATER
Lab #: 44755-2352 *Sampled:* February 25, 1994 *Analyzed:* February 25, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	3.8	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	2.9	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	51	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	99
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	22	0.5	N.D.	106
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	24	0.5	N.D.	92
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	100
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam 1992
Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 28, 1994

ChromaLab File#: 9402339

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 25, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWPK5** *Matrix:* WATER
Lab #: 44756-2352 *Sampled:* February 25, 1994 *Analyzed:* February 25, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
IS-1,2-DICHLOROETHENE	2.4	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	99
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	1.9	0.5	N.D.	106
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	2.0	0.5	N.D.	92
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	100
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road, #1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 28, 1994

ChromaLab File#: 9402339

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 25, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWPK3** *Matrix:* WATER
Lab #: 44757-2352 *Sampled:* February 25, 1994 *Analyzed:* February 25, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	1.7	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	99
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	1.1	0.5	N.D.	106
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	92
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	100
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

February 28, 1994 ChromaLab File#: 9402339

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: February 25, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **TRIP BLANK** *Matrix:* WATER
Lab #: 44758-2352 *Sampled:* February 25, 1994 *Analyzed:* February 25, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	99
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	106
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	92
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	100
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

HALOGENATED VOLATILES REPORT-QUALITY CONTROL

Date: March 7, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: February 25, 1994

File number: 9402339
Method: Halogenated Volatiles
Method number: EPA 601
Matrix: Water

METHOD BLANK

Compound Name	Result ug/L	Reporting Limits ug/L
CHLOROMETHANE	N.D.	0.5
VINYL CHLORIDE	N.D.	0.5
BROMOMETHANE	N.D.	0.5
CHLOROETHANE	N.D.	0.5
TRICHLOROFLUOROMETHANE	N.D.	0.5
1,1-DICHLOROETHENE	N.D.	0.5
METHYLENE CHLORIDE	N.D.	5.0
1,2-DICHLOROETHENE (TRANS)	N.D.	0.5
1,2-DICHLOROETHENE (CIS)	N.D.	0.5
1,1-DICHLOROETHANE	N.D.	0.5
CHLOROFORM	N.D.	0.5
1,1,1-TRICHLOROETHANE	N.D.	0.5
CARBON TETRACHLORIDE	N.D.	0.5
1,2-DICHLOROETHANE	N.D.	0.5
TRICHLOROETHENE	N.D.	0.5
1,2-DICHLOROPROPANE	N.D.	0.5
BROMODICHLOROMETHANE	N.D.	0.5
2-CHLOROETHYLVINYLETHER	N.D.	0.5
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5
CIS-1,3-DICHLOROPROPENE	N.D.	0.5
1,1,2-TRICHLOROETHANE	N.D.	0.5
TETRACHLOROETHENE	N.D.	0.5
DIBROMOCHLOROMETHANE	N.D.	0.5
CHLOROBENZENE	N.D.	0.5
BROMOFORM	N.D.	0.5
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5
1,3-DICHLOROBENZENE	N.D.	0.5
1,4-DICHLOROBENZENE	N.D.	0.5
1,2-DICHLOROBENZENE	N.D.	0.5
FREON 113	N.D.	0.5

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

HALOGENATED VOLATILES REPORT-QUALITY CONTROL

Date: March 7, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: February 25, 1994

File number: 9402339
Method: Halogenated Volatiles
Method number: EPA 601
Matrix: Water

MS/MSD — Sample Spiked: BLANK

PARAMETER	UNITS	SAMPLE RESULT	SPIKE CONC	SPIKED SAMPLE RESULT	% REC	DUP SPIKE RESULT	DUP % REC	CONTROL LIMITS	RPD %	RPD LIMIT %
1,1 Dichloroethane	µg/L	N.D.	20	19.8	99	17.6	88	56/118	12	20
1,1,1-Trichloro-ethane	µg/L	N.D.	20	19.8	99	18.2	91	60/129	8.4	20
Chlorobenzene	µg/L	N.D.	20	18.8	94	20.0	100	60/127	6.2	20
1,1,2,2 Tetrachloroethane	µg/L	N.D.	20	20.0	100	26.2	131	60/136	27*	20

BLANK SPIKE

PARAMETER	UNITS	BLANK RESULT	SPIKE CONC	SPIKED SAMPLE RESULT	% REC
1,1 Dichloroethane	µg/L	N.D.	20	16.4	82
1,1,1-Trichloroethane	µg/L	N.D.	20	17.8	89
Chlorobenzene	µg/L	N.D.	20	15.4	77
1,1,2,2 Tetrachloroethane	µg/L	N.D.	20	16.4	82

% Recovery = (Spike Sample Result-Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spike Result-Duplicate Result)*100/Average Result

*All other QC was within limits, surrogates, the LCS, and spikes. Therefore, the run was under control.

CHROMALAB, INC.
Environmental Laboratory (1094)

5 DAYS TURNAROUND

HALOGENATED VOLATILES REPORT-QUALITY CONTROL

Date: March 7, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: February 25, 1994

File number: 9402339
Method: Halogenated Volatiles
Method number: EPA 601
Matrix: Water

SURROGATE RECOVERIES

Sample	1,4-Dichlorobutane Recovery (%)
Blank	85
Blank Spike	95
Blank Spike Duplicate	111
DM35GWHD5	82
DM35GWDD	93
EB1	96
DM35GWD6	86
DM35GWPK5	95
DM35GWPK3	84
TRIP BLANK	93

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

C/C 15349

CH2M HILL

QUALITY ANALYTICAL LABORATORIES — **CHAIN OF CUSTODY RECORD AND AGREEME**

CH2M HILL Project #: BAEZ8830.PZ.03

Purchase Order #:

Project Name: DEL MONTE PLANT 35

Company Name/CH2M HILL Office: SFO

Project Manager & Phone #: Mr. [X] BERN 510 251 2426; Ms. [ ]; Dr. [ ] BAUMGARTNER

Report Copy to: MADELINE WALL 510-251-2888 X 2189

Requested Completion Date: 24-hour

Sampling Requirements: SDWA NPDES RCRA OTHER

Sample Disposal: Dispose [X] Return [ ]

LAB TEST CODES

SUBM #: 9402339
CLIENT: CH2
DUE: 02/28/94
REF: 15349

ANALYSES REQUESTED

Project #

No. of Samples | Page | of

COC Rev | Login | LIMS Ver | Ack Gen

REMARKS | LAB 1 ID | LAB 2 ID

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	# OF CONTAINERS	EPA 601 CHLOR. HYDROCARBONS	HOLD FOR POSSIBLE ANALYSIS
2/25/94	0945		X	X		DMG35GWHD5	2	X	
2/25/94	0945		X	X		DMG35GWHD5	2		X
2/25/94	0945		X	X		DMG35GWHDD	2	X	
2/25/94	1000		X	X		EB1	2	X	
2/25/94	1100		X	X		DMG35GWHD6	2	X	
2/25/94	1100		X	X		DMG35GWHD6	2		X
2/25	1415		X	X		DMG35GWPK5	2	X	
2/25	1415		X	X		DMG35GWPK5	2		X
2/25	1535		X	X		DMG35GWPK3	2	X	
2/25	1535		X	X		DMG35GWPK3	2		X
2/25						TRIPBLANK	1	X	

RUSH

LEVEL 2 DATA PACKAGE

Sampled By & Title: Keith Gally (Please sign and print name) — Date/Time 2/25/94 1535

Received By: Gary Cook (Please sign and print name) — Date/Time 2/25/94 17:00

Received By: (Please sign and print name) — Date/Time

Received By: (Please sign and print name) — Date/Time

Work Authorized By: (Please sign and print name)

Relinquished By: Keith Gally (Please sign and print name) — Date/Time 1700 2/25/94

Relinquished By: (Please sign and print name) — Date/Time

Relinquished By: (Please sign and print name) — Date/Time

Shipped Via: UPS BUS Fed-Ex Hand Other

Shipping #

Remarks

HAZWRAP/NESSA: Y N

QC Level: 1 2 3 Other:

COC Rec | ICE

Ana Req | TEMP

Cust Seal | Ph

Instructions/Agreement Provisions on Reverse Side

DISTRIBUTION: ORIGINAL - LAB, Yell[ow] 4B, Pink - Client

1/92 FORM 340

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 30, 1994

ChromaLab File #: 9403080

CH2M HILL OAKLAND
1111 Broadway, Suite 1200
Oakland, CA 94607-4046

Attn: Madeline Wall

RE: Analysis for project DEL MONTE PLANT 35, number BAE28830.P2.03.

REPORTING INFORMATION

Samples were received cold and in good condition on February 24, 1994. They were refrigerated upon receipt and analyzed as described in the attached report. ChromaLab followed EPA or equivalent methods for all analysis reported.

No discrepancies were observed or difficulties encountered with the analysis.

SAMPLES TESTED IN THIS REPORT

Sample ID	Matrix	Date collected	Lab sample #
DM35GWHD3	WATER	February 24, 1994	45474

Jill Thomas
Quality Assurance Manager

Eric Tam
Laboratory Director

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 7, 1994 — ChromaLab File # 9403080

CH2M HILL OAKLAND — Attn: Madeline Wall

Project Name: DEL MONTE PLANT 35 — Project No: BAE28830.P2.03
Date Sampled: February 24, 1994 — Method of Analysis: EPA 624
Date Submitted: February 24, 1994 — Matrix: Water
Date of Analysis: March 7, 1994 — Reporting Limit: 2.0 µg/L
Sample I.D.: DM35GWHD3
Dilution Factor: None

COMPOUND NAME	µg/L	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	---
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	2.5	---
1,2-DICHLOROETHENE (CIS)	45	---
1,1-DICHLOROETHANE	N.D.	98%
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
BENZENE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	160	91%
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	---
TOLUENE	N.D.	---
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	18	102%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	115%
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---
TOTAL XYLENES	N.D.	---
ACETONE	N.D.	---
METHYL ETHYL KETONE	N.D.	---
METHYL ISOBUTYL KETONE	N.D.	---

ChromaLab, Inc.

David Wintergrass
Analytical Chemist

Eric Tam
Laboratory Director

cc

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

VOLATILE ORGANICS REPORT-QUALITY CONTROL

Date: March 30, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: March 7, 1994

File No: 9403080
Method: Volatile Organics
Method No: EPA 624
Matrix: Water

BLANK RESULT

Compound Name	Result ug/L	Reporting Limits ug/L
CHLOROMETHANE	N.D.	2.0
VINYL CHLORIDE	N.D.	2.0
BROMOMETHANE	N.D.	2.0
CHLOROETHANE	N.D.	2.0
TRICHLOROFLUOROMETHANE	N.D.	2.0
1,1-DICHLOROETHENE	N.D.	2.0
METHYLENE CHLORIDE	N.D.	5.0
1,2-DICHLOROETHENE (TRANS)	N.D.	2.0
1,2-DICHLOROETHENE (CIS)	N.D.	2.0
1,1-DICHLOROETHANE	N.D.	2.0
CHLOROFORM	N.D.	2.0
1,1,1-TRICHLOROETHANE	N.D.	2.0
CARBON TETRACHLORIDE	N.D.	2.0
BENZENE	N.D.	2.0
1,2-DICHLOROETHANE	N.D.	2.0
TRICHLOROETHENE	N.D.	2.0
1,2-DICHLOROPROPANE	N.D.	2.0
BROMODICHLOROMETHANE	N.D.	2.0
2-CHLOROETHYLVINYLETHER	N.D.	2.0
TRANS-1,3-DICHLOROPROPENE	N.D.	2.0
TOLUENE	N.D.	2.0
CIS-1,3-DICHLOROPROPENE	N.D.	2.0
1,1,2-TRICHLOROETHANE	N.D.	2.0
TETRACHLOROETHENE	N.D.	2.0
DIBROMOCHLOROMETHANE	N.D.	2.0
CHLOROBENZENE	N.D.	2.0
ETHYL BENZENE	N.D.	2.0
BROMOFORM	N.D.	2.0
1,1,2,2-TETRACHLOROETHANE	N.D.	2.0
1,3-DICHLOROBENZENE	N.D.	2.0
1,4-DICHLOROBENZENE	N.D.	2.0
1,2-DICHLOROBENZENE	N.D.	2.0
TOTAL XYLENES	N.D.	2.0
ACETONE	N.D.	5.0
METHYL ETHYL KETONE	N.D.	2.0
METHYL ISOBUTYL KETONE	N.D.	2.0

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.
Environmental Services (SDB)

Date: March 30, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: March 7, 1994

File number: 9403080
Method: Volatile Organics
Method number: EPA 624
Matrix: Water

SURROGATE RECOVERIES

SAMPLE	D4-1,2 Dichloroethane %	D8-Toluene %	Bromofluorobenzene %
Blank	88	98	99
Blank Spike	96	103	103
Blank Spike Dup	96	102	101
DM356WAD3	89	98	92

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 2, 1994

ChromaLab File#: 9403025

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: March 1, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWPK4** *Matrix:* WATER
Lab #: 45060-2366 *Sampled:* March 1, 1994 *Analyzed:* March 1, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	3.0	0.5	N.D.	90
1,1-DICHLOROETHANE	0.60	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	7.4	0.5	N.D.	76
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	78
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	79
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David J. Wintergrass
David Wintergrass
Chemist

Eric Tam / JJT
Eric Tam
Laboratory Director

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 2, 1994

ChromaLab File#: 9403025

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: March 1, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWPK2** *Matrix:* WATER
Lab #: 45061-2366 *Sampled:* March 1, 1994 *Analyzed:* March 1, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
IS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	90
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	2.8	0.5	N.D.	76
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	78
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	79
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 2, 1994 ChromaLab File#: 9403025

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: March 1, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWWH1** *Matrix:* WATER
Lab #: 45062-2366 *Sampled:* March 1, 1994 *Analyzed:* March 1, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	2.5	0.5	N.D.	--
IS-1,2-DICHLOROETHENE	42	0.5	N.D.	90
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	25	0.5	N.D.	76
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	59	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	78
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	79
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam 1/27
Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 2, 1994

ChromaLab File#: 9403025

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: March 1, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWWH2** *Matrix:* WATER
Lab #: 45063-2366 *Sampled:* March 1, 1994 *Analyzed:* March 1, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	3.2	0.5	N.D.	--
IS-1,2-DICHLOROETHENE	36	0.5	N.D.	90
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	29	0.5	N.D.	76
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	25	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	78
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	79
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam 1994
Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 2, 1994

ChromaLab File#: 9403025

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: March 1, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWWH3** *Matrix:* WATER
Lab #: 45064-2366 *Sampled:* March 1, 1994 *Analyzed:* March 1, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	3.0	0.5	N.D.	--
IS-1,2-DICHLOROETHENE	32	0.5	N.D.	90
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	2.6	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	20	0.5	N.D.	76
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	17	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	78
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	79
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam 1/9/97
Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 2, 1994 ChromaLab File#: 9403025

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: March 1, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35GWWHD** *Matrix:* WATER
Lab #: 45065-2366 *Sampled:* March 1, 1994 *Analyzed:* March 1, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	1.9	0.5	N.D.	--
IS-1,2-DICHLOROETHENE	25	0.5	N.D.	90
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	3.1	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	19	0.5	N.D.	76
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	15	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	78
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	79
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam 3/9/94
Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 2, 1994

ChromaLab File#: 9403025

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.P2.03
Submitted: March 1, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **TRIP BLANK** *Matrix:* WATER
Lab #: 45066-2366 *Sampled:* March 1, 1994 *Analyzed:* March 1, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
IS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	90
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	76
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	78
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	79
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

HALOGENATED VOLATILES REPORT-QUALITY CONTROL

Date: April 4, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: March 1, 1994

File number: 9403025
Method: Halogenated Volatiles
Method number: EPA 601
Matrix: Water

METHOD BLANK

Compound Name	Result ug/L	Reporting Limits ug/L
CHLOROMETHANE	N.D.	0.5
VINYL CHLORIDE	N.D.	0.5
BROMOMETHANE	N.D.	0.5
CHLOROETHANE	N.D.	0.5
TRICHLOROFLUOROMETHANE	N.D.	0.5
1,1-DICHLOROETHENE	N.D.	0.5
METHYLENE CHLORIDE	N.D.	5.0
1,2-DICHLOROETHENE (TRANS)	N.D.	0.5
1,2-DICHLOROETHENE (CIS)	N.D.	0.5
1,1-DICHLOROETHANE	N.D.	0.5
CHLOROFORM	N.D.	0.5
1,1,1-TRICHLOROETHANE	N.D.	0.5
CARBON TETRACHLORIDE	N.D.	0.5
1,2-DICHLOROETHANE	N.D.	0.5
TRICHLOROETHENE	N.D.	0.5
1,2-DICHLOROPROPANE	N.D.	0.5
BROMODICHLOROMETHANE	N.D.	0.5
2-CHLOROETHYLVINYLETHER	N.D.	0.5
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5
CIS-1,3-DICHLOROPROPENE	N.D.	0.5
1,1,2-TRICHLOROETHANE	N.D.	0.5
TETRACHLOROETHENE	N.D.	0.5
DIBROMOCHLOROMETHANE	N.D.	0.5
CHLOROBENZENE	N.D.	0.5
BROMOFORM	N.D.	0.5
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5
1,3-DICHLOROBENZENE	N.D.	0.5
1,4-DICHLOROBENZENE	N.D.	0.5
1,2-DICHLOROBENZENE	N.D.	0.5
FREON 113	N.D.	0.5

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

HALOGENATED VOLATILES REPORT-QUALITY CONTROL

Date: April 4, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: March 1, 1994

File number: 9403025
Method: Halogenated Volatiles
Method number: EPA 601
Matrix: Water

MS/MSD Sample Spiked: BLANK

PARAMETER	UNITS	SAMPLE RESULT	SPIKE CONC	SPIKED SAMPLE RESULT	% REC	DUP SPIKE RESULT	DUP % REC	CONTROL LIMITS	RPD %	RPD LIMIT %
trans,1,2 Dichloroethene	µg/L	N.D.	20	17.2	86	15.4	77	56/118	11	20
Methlene Chloride	µg/L	N.D.	20	17.0	85	14.2	71	60/129	18	20
Bromodichloromethane	µg/L	N.D.	20	22.0	110	24.2	121	60/127	9.5	20
Bromoform	µg/L	N.D.	20	25.2	126	23.8	119	60/136	5.7	20

% Recovery = (Spike Sample Result-Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spike Result-Duplicate Result)*100/Average Result

CHROMALAB, INC.
Environmental Services (SDB)

Date: April 4, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Date Analyzed: March 1, 1994

File number: 9403025
Method: Halogenated Volatiles
Method number: EPA 601
Matrix: Water

SURROGATE RECOVERIES

Sample	1,4-Dichlorobutane Recovery (%)
Blank	101
Blank Spike	118
Blank Spike Duplicate	121
DM35GWPK4	125
DM35GWPK2	101
DM35GWWH1	115
DM35GWWH2	103
DM35GWWH3	100
DM35GWWHD	97
TRIP BLANK	119

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

RUSH

...TICAL LABORATORIES — CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

...HILL Project # BAE288300.P2.03

Purchase Order #

Project Name: DEL MONTE PLANT 35

Company Name/CH2M HILL Office: CH2M HILL/SFO

Project Manager & Phone #: Mr. [X] BERN BAUMGARTNER; Ms. [ ]; Dr. [ ]

Report Copy to: MADELINE WALL

Requested Completion Date: 24 HR. TURNAROUND

Sampling Requirements: SDWA [ ] NPDES [ ] RCRA [ ] OTHER ____

Sample Disposal: Dispose [X] Return [ ]

LAB TEST CODES

SUBM #: 9403025
CLIENT: CH2
DUE: 03/02/94
REF: 15374

ANALYSES REQUESTED

- Chlorinated Hydrocarbons EPA 601
- Hold for Possible Analysis

Project #

No. of Samples | Page | of

COC Rev | Login | LIMS Ver | Ack Gen

REMARKS | LAB 1 ID | LAB 2 ID

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	# OF CONTAINERS	Chlorinated Hydrocarbons EPA 601	Hold for Possible Analysis
3/1/94	1245		X	X		DM35GWPK4	2	X	
3/1/94	1245		X	X		DM35GWPK4	2		X
3/1/94	1230		X	X		DM35GWPK2	2	X	
3/1/94	1230		X	X		DM35GWPK2	2		X
3/1/94	1430		X	X		DM35GWWH1	2	X	
3/1/94	1430		X	X		DM35GWWH1	2		X
3/1/94	1535		X	X		DM35GWWH2	2	X	
3/1/94	1535		X	X		DM35GWWH2	2		X
3/1/94	1645		X	X		DM35GWWH3	2	X	
3/1/94	1645		X	X		DM35GWWH3	2		X
3/1/94	1645		X	X		DM35GWWHD	2	X	

Sampled By & Title: Keith Gilly	(Please sign and print name) Keith Gilly	Date/Time 3/1/94 1645	Relinquished By: Keith Gilly (Please sign and print name) — Date/Time 3/1/94 1740
Received By: [illegible]	(Please sign and print name)	Date/Time 3-1-94 1739	Relinquished By (Please sign and print name) — Date/Time
Received By	(Please sign and print name)	Date/Time	Relinquished By (Please sign and print name) — Date/Time
Received By	(Please sign and print name)	Date/Time	Shipped Via: UPS BUS Fed-Ex Hand Other ____ — Shipping #
Work Authorized By	(Please sign and print name)	Remarks	

HAZWRAP/NESSA: Y N

QC Level: 1 2 3 Other: ____

COC Rec | ICE

Ana Req | TEMP

Cust Seal | Ph

Instructions *Agreement Provisions on Reverse Side*

DISTRIBUTION: ORIGINAL - LAB, Yellow, Pink - Client

REV 11/92 FORM 340

CH2M HILL

RUSH

9403025

QUALITY ANALYTICAL LABORATORIES CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

CH2M HILL Project #: BAE28830.PL.03	Purchase Order #:
Project Name: DEL MONTE PLANT 35	
Company Name/CH2M HILL Office: CH2M HILL/SFO	
Project Manager & Phone #: Mr. [✓] Ms. [ ] Dr. [ ] BERN BAUMGARTNER	Report Copy to: MADELINE WALL
Requested Completion Date:	Sampling Requirements: SDWA ☐ NPDES ☐ RCRA ☐ OTHER ___ / Sample Disposal: Dispose ☐ Return ☐

LAB TEST CODES

ANALYSES REQUESTED: CHLORINATED HYDROCARBONS EPA 601

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	# OF CONTAINERS
3/1/94				X		TRIPBLANK	1

SHADED AREA – FOR LAB USE ONLY

Lab 1 #	Lab 2 #
Quote #	Kit Request #
Project #	
No. of Samples	Page / of
COC Rev / Login	LIMS Ver / Ack Gen
REMARKS	LAB 1 ID / LAB 2 ID

Sampled By & Title (Please sign and print name): Keith J. Gally Keith Gally	Date/Time: 3/1/94 1645	Relinquished By (Please sign and print name): Keith J. Gally	Date/Time: 3/1/94 1740
Received By (Please sign and print name): B. Morris B. Morris	Date/Time: 3-1-94 1739	Relinquished By (Please sign and print name)	Date/Time
Received By (Please sign and print name)	Date/Time	Relinquished By (Please sign and print name)	Date/Time
Received By (Please sign and print name)	Date/Time	Shipped Via: UPS BUS Fed-Ex Hand Other___	Shipping #
Work Authorized By (Please sign and print name)	Remarks		

HAZWRAP/NESSA:	Y N
QC Level: 1 2 3 Other: ___	
COC Rec	ICE
Ana Req	TEMP
Cust Seal	Ph

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: ORIGINAL - LAB, Yellow - QAD, Pink - Client

REV 11/92 FORM 340

CHROMALAB, INC.

Environmental Services (SDB)

April 7, 1994 ChromaLab File #: 9403052

CH2M HILL OAKLAND
1111 Broadway, Suite 1200
Oakland, CA 94607-4046

Attn: Madeline Wall

RE: Analysis for project DEL MONTE PLANT 35, number BAE28830.PZ.03.

REPORTING INFORMATION

Samples were received cold and in good condition on March 2, 1994. They were refrigerated upon receipt and analyzed as described in the attached report. ChromaLab followed EPA or equivalent methods for all analysis reported.

No discrepancies were observed or difficulties encountered with the analysis.

SAMPLES TESTED IN THIS REPORT

Sample ID	Matrix	Date collected	Lab sample #
DM35-HA-1	SOIL	March 2, 1994	45218
DM35-HA-2	SOIL	March 2, 1994	45219
DM35-HA-3	SOIL	March 2, 1994	45220
DM35-HA-4	SOIL	March 2, 1994	45221
DM35-HA-5	SOIL	March 2, 1994	45222
DM35-HA-6	SOIL	March 2, 1994	45223
DM35-MW122	WATER	March 2, 1994	45224
DM35-MW122	WATER	March 2, 1994	45225
TRIP BLANK	WATER	March 2, 1994	45226

Jill Thomas
Quality Assurance Manager

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 3, 1994 ChromaLab File#: 9403052

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.PZ.03
Submitted: March 2, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **DM35-MW122** *Matrix:* WATER
Lab #: 45224-2376 *Sampled:* March 2, 1994 *Analyzed:* March 2, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	6.8	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	2.3	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	33	0.5	N.D.	81
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	101
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	170	0.5	N.D.	--
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	110
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	118
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	16	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

UMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

March 3, 1994 ChromaLab File#: 9403052

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DEL MONTE PLANT 35 **Project#:** BAE28830.PZ.03
Submitted: March 2, 1994

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **TRIP BLANK** *Matrix:* WATER
Lab #: 45226-2376 *Sampled:* March 2, 1994 *Analyzed:* March 2, 1994
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	--
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	81
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	101
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	--
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	110
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	118
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	N.D.	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	--
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road,#1 • San Ramon, California 94583
(510) 831-1788 • Facsimile (510) 831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 11, 1994 ChromaLab File#: 9403052

CH2M HILL OAKLAND
Atten: Madeline Wall
Project: DEL MONTE PLANT 35 **Project#:** BAE28830.PZ.03
Submitted: March 2, 1994
re: One sample for Volatile Organic Compounds analysis.

Sample: **DM35-HA-1** *Matrix:* SOIL
Lab #: 45218-2448 *Sampled:* March 2, 1994 *Analyzed:* March 8, 1994
Method: EPA 8240

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	25	N.D.	--
BENZENE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
BROMOMETHANE	N.D.	5	N.D.	--
2-BUTANONE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5	N.D.	--
CHLOROFORM	N.D.	5	N.D.	--
HLOROMETHANE	N.D.	5	N.D.	--
IBROMOCHLOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	95
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (CIS)	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5	N.D.	--
ETHYL BENZENE	N.D.	5	N.D.	--
2-HEXANONE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5	N.D.	--
STYRENE	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	120
TETRACHLOROETHENE	N.D.	5	N.D.	90
TOLUENE	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	85
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
VINYL ACETATE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
XYLENES (TOTAL)	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 11, 1994 ChromaLab File#: 9403052

CH2M HILL OAKLAND
Atten: Madeline Wall
Project: DEL MONTE PLANT 35 **Project#:** BAE28830.PZ.03
Submitted: March 2, 1994
re: One sample for Volatile Organic Compounds analysis.

Sample: **DM35-HA-2** *Matrix:* SOIL
Lab #: 45219-2448 *Sampled:* March 2, 1994 *Analyzed:* March 8, 1994
Method: EPA 8240

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	25	N.D.	--
BENZENE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
BROMOMETHANE	N.D.	5	N.D.	--
2-BUTANONE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5	N.D.	--
CHLOROFORM	N.D.	5	N.D.	--
HLOROMETHANE	N.D.	5	N.D.	--
IBROMOCHLOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	95
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (CIS)	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5	N.D.	--
ETHYL BENZENE	N.D.	5	N.D.	--
2-HEXANONE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5	N.D.	--
STYRENE	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	120
TETRACHLOROETHENE	N.D.	5	N.D.	90
TOLUENE	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	85
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
VINYL ACETATE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
XYLENES (TOTAL)	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 11, 1994

ChromaLab File#: 9403052

CH2M HILL OAKLAND
Atten: Madeline Wall
Project: DEL MONTE PLANT 35 **Project#:** BAE28830.PZ.03
Submitted: March 2, 1994
re: One sample for Volatile Organic Compounds analysis.

Sample: **DM35-HA-3** *Matrix:* SOIL
Lab #: 45220-2448 *Sampled:* March 2, 1994 *Analyzed:* March 8, 1994
Method: EPA 8240

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	25	N.D.	--
BENZENE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
BROMOMETHANE	N.D.	5	N.D.	--
2-BUTANONE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5	N.D.	--
CHLOROFORM	N.D.	5	N.D.	--
HLOROMETHANE	N.D.	5	N.D.	--
IBROMOCHLOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	95
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (CIS)	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5	N.D.	--
ETHYL BENZENE	N.D.	5	N.D.	--
2-HEXANONE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5	N.D.	--
STYRENE	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	120
TETRACHLOROETHENE	N.D.	5	N.D.	90
TOLUENE	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	85
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
VINYL ACETATE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
XYLENES (TOTAL)	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 11, 1994 ChromaLab File#: 9403052

CH2M HILL OAKLAND
Atten: Madeline Wall
Project: DEL MONTE PLANT 35 **Project#:** BAE28830.PZ.03
Submitted: March 2, 1994
re: One sample for Volatile Organic Compounds analysis.

Sample: **DM35-HA-4** *Matrix:* SOIL
Lab #: 45221-2448 *Sampled:* March 2, 1994 *Analyzed:* March 8, 1994
Method: EPA 8240

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	25	N.D.	--
BENZENE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
BROMOMETHANE	N.D.	5	N.D.	--
2-BUTANONE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5	N.D.	--
CHLOROFORM	N.D.	5	N.D.	--
HLOROMETHANE	N.D.	5	N.D.	--
IBROMOCHLOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	95
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (CIS)	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5	N.D.	--
ETHYL BENZENE	N.D.	5	N.D.	--
2-HEXANONE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5	N.D.	--
STYRENE	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	120
TETRACHLOROETHENE	N.D.	5	N.D.	90
TOLUENE	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	85
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
VINYL ACETATE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
XYLENES (TOTAL)	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 11, 1994 ChromaLab File#: 9403052

CH2M HILL OAKLAND
Atten: Madeline Wall
Project: DEL MONTE PLANT 35 **Project#:** BAE28830.PZ.03
Submitted: March 2, 1994
re: One sample for Volatile Organic Compounds analysis.

Sample: **DM35-HA-5** *Matrix:* SOIL
Lab #: 45222-2448 *Sampled:* March 2, 1994 *Analyzed:* March 8, 1994
Method: EPA 8240

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	25	N.D.	--
BENZENE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
BROMOMETHANE	N.D.	5	N.D.	--
2-BUTANONE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5	N.D.	--
CHLOROFORM	N.D.	5	N.D.	--
HLOROMETHANE	N.D.	5	N.D.	--
IBROMOCHLOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	95
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (CIS)	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5	N.D.	--
ETHYL BENZENE	N.D.	5	N.D.	--
2-HEXANONE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5	N.D.	--
STYRENE	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	120
TETRACHLOROETHENE	N.D.	5	N.D.	90
TOLUENE	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	85
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
VINYL ACETATE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
XYLENES (TOTAL)	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

LIMS

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

CHROMALAB, INC.

Environmental Services (SDB)

March 11, 1994

ChromaLab File#: 9403052

CH2M HILL OAKLAND
Atten: Madeline Wall
Project: DEL MONTE PLANT 35 **Project#:** BAE28830.PZ.03
Submitted: March 2, 1994
re: One sample for Volatile Organic Compounds analysis.

Sample: **DM35-HA-6** *Matrix:* SOIL
Lab #: 45223-2448 *Sampled:* March 2, 1994 *Analyzed:* March 8, 1994
Method: EPA 8240

ANALYTE	RESULT (ug/Kg)	REPORTING LIMIT (ug/Kg)	BLANK RESULT (ug/Kg)	BLANK SPIKE RESULT (%)
ACETONE	N.D.	25	N.D.	--
BENZENE	N.D.	5	N.D.	--
BROMODICHLOROMETHANE	N.D.	5	N.D.	--
BROMOFORM	N.D.	5	N.D.	--
BROMOMETHANE	N.D.	5	N.D.	--
2-BUTANONE	N.D.	5	N.D.	--
CARBON TETRACHLORIDE	N.D.	5	N.D.	--
CHLOROBENZENE	N.D.	5	N.D.	--
CHLOROETHANE	N.D.	5	N.D.	--
2-CHLOROETHYLVINYLETHER	N.D.	5	N.D.	--
CHLOROFORM	N.D.	5	N.D.	--
HLOROMETHANE	N.D.	5	N.D.	--
IBROMOCHLOROMETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHANE	N.D.	5	N.D.	95
1,2-DICHLOROETHANE	N.D.	5	N.D.	--
1,1-DICHLOROETHENE	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (CIS)	N.D.	5	N.D.	--
1,2-DICHLOROETHENE (TRANS)	N.D.	5	N.D.	--
1,2-DICHLOROPROPANE	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (CIS)	N.D.	5	N.D.	--
1,3-DICHLOROPROPENE (TRANS)	N.D.	5	N.D.	--
ETHYL BENZENE	N.D.	5	N.D.	--
2-HEXANONE	N.D.	5	N.D.	--
METHYLENE CHLORIDE	N.D.	25	N.D.	--
4-METHYL-2-PENTANONE	N.D.	5	N.D.	--
STYRENE	N.D.	5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	5	N.D.	120
TETRACHLOROETHENE	N.D.	5	N.D.	90
TOLUENE	N.D.	5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	5	N.D.	--
TRICHLOROETHENE	N.D.	5	N.D.	85
TRICHLOROFLUOROMETHANE	N.D.	5	N.D.	--
VINYL ACETATE	N.D.	5	N.D.	--
VINYL CHLORIDE	N.D.	5	N.D.	--
XYLENES (TOTAL)	N.D.	5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

LIMS

CHROMALAB, INC.
Environmental Services (SDB)

VOLATILE ORGANICS REPORT-QUALITY CONTROL

Date: April 5, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Project Number: BAE28830.PZ.03
Date Analyzed: March 25, 1994

File No: 9403052
Method: Volatile Organics
Method No: EPA 8240
Matrix: Soil

BLANK RESULT:

Compound Name	Result ug/Kg	Reporting Limit ug/Kg
CHLOROMETHANE	N.D.	5.0
VINYL CHLORIDE	N.D.	5.0
BROMOMETHANE	N.D.	5.0
CHLOROETHANE	N.D.	5.0
TRICHLOROFLUOROMETHANE	N.D.	5.0
1,1-DICHLOROETHENE	N.D.	5.0
METHYLENE CHLORIDE	N.D.	25.0
1,2-DICHLOROETHENE (TRANS)	N.D.	5.0
1,2-DICHLOROETHENE (CIS)	N.D.	5.0
1,1-DICHLOROETHANE	N.D.	5.0
CHLOROFORM	N.D.	5.0
1,1,1-TRICHLOROETHANE	N.D.	5.0
CARBON TETRACHLORIDE	N.D.	5.0
1,2-DICHLOROETHANE	N.D.	5.0
BENZENE	N.D.	5.0
TRICHLOROETHENE	N.D.	5.0
1,2-DICHLOROPROPANE	N.D.	5.0
BROMODICHLOROMETHANE	N.D.	5.0
2-CHLOROETHYLVINYLETHER	N.D.	5.0
TRANS-1,3-DICHLOROPROPENE	N.D.	5.0
TOLUENE	N.D.	5.0
CIS-1,3-DICHLOROPROPENE	N.D.	5.0
1,1,2-TRICHLOROETHANE	N.D.	5.0
TETRACHLOROETHENE	N.D.	5.0
DIBROMOCHLOROMETHANE	N.D.	5.0
CHLOROBENZENE	N.D.	5.0
ETHYL BENZENE	N.D.	5.0
BROMOFORM	N.D.	5.0
1,1,2,2-TETRACHLOROETHANE	N.D.	5.0
1,3-DICHLOROBENZENE	N.D.	5.0
1,4-DICHLOROBENZENE	N.D.	5.0
1,2-DICHLOROBENZENE	N.D.	5.0
TOTAL XYLENES	N.D.	5.0
ACETONE	N.D.	25.0
METHYL ETHYL KETONE	N.D.	5.0
METHYL ISOBUTYL KETONE	N.D.	5.0

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

VOLATILE ORGANICS REPORT-QUALITY CONTROL

Date:April 5, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Project Number: BAE28830.PZ.03
Date Analyzed: March 25, 1994

File number: 9403052
Method: Volatile Organics
Method number: EPA 8240
Matrix: Soil

MS/MSD

Sample Spiked: Blank

PARAMETER	UNITS	SAMPLE RESULT	SPIKE CONC	SPIKED SAMPLE RESULT	% REC	DUP SPIKE RESULT	DUP % REC	CONTROL LIMITS	RPD %	RPD LIMIT %
1,1-Dichloroethane	µg/Kg	N.D.	100	99	99	105	105	56/118	5.9	20
Trichloroethene	µg/Kg	N.D.	100	95	95	90	90	60/129	5.4	20
Tetrachloroethene	µg/Kg	N.D.	100	86	86	93	93	60/127	7.8	20
1,1,2,2-Tetrachloroethane	µg/Kg	N.D.	100	101	101	108	108	60/136	6.7	20

% Recovery = (Spike Sample Result-Sample Result)*100/Spike Concentration
RPD (Relative % Difference) = (Spike Result-Duplicate Result)*100/Average Result

CHROMALAB, INC.
Environmental Services (SDB)

Date: April 5, 1994
Client: CH2M HILL OAKLAND
Project Name: DEL MONTE PLANT 35
Project Number: BAE28830.PZ.03
Date Analyzed: March 25, 1994

File number: 9403052
Method: Volatile Organics
Method number: EPA 8240
Matrix: Soil

SURROGATE RECOVERIES

Sample	D4-1,2 DICHLOROETHANE %	D8-TOLUENE %	BROMOFLUOROBENZENE %
Blank	95	100	91
Blank Spike	101	104	99
Blank Spike Dup.	103	100	102
DM-35-HA-1	89	100	86
DM-35-HA-2	93	100	87
DM-35-HA-3	90	101	86
DM-35-HA-4	91	103	86
DM-35-HA-5	91	89	89
DM-35-HA-6	92	101	79

2239 Omega Road, #1 • San Ramon, California 94583
510/831-1788 • Facsimile 510/831-8798
Federal ID #68-0140157

RUSH

order #15402
052/45218-45226

CH2M HILL

QUALITY ANALYTICAL LABORATORIES — **CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES**

CH2M HILL Project # BAE28830.P203 | Purchase Order #

Project Name: Del Monte Plant 35

Company Name/CH2M HILL Office: CH2M Hill / SFO

Project Manager & Phone #: Mr. [X] Born; Ms. [ ]; Dr. [ ] Baumgartner

Report Copy to: Madeline Wall

Requested Completion Date: As Indicated

Sampling Requirements: SDWA [ ] NPDES [ ] RCRA [ ] OTHER ____

Sample Disposal: Dispose [X] Return [ ]

LAB TEST COC

SUBM #: 9403052
CLIENT: CH2
DUE: 03/09/94
REF: 15402

NLY

ANALYSES REQUESTED

Project #

No. of Samples | Page | of

COC Rev | Login | LIMS Ver | Ack Gen

REMARKS | LAB 1 ID | LAB 2 ID

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	# OF CONTAINERS	EPA 601 Chlorinated Hydrocarbons	EPA 8010 Chlorinated Hydrocarbons	Hold For Possible Analysis	REMARKS	LAB 1 ID	LAB 2 ID
3/2/94	1115	X		X		DM35-HA-1	1		X		5-DAY		
3/2/94	1118	X		X		DM35-HA-2	1		X		5-DAY		
3/2/94	1124	X		X		DM35-HA-3	1		X		5-DAY		
3/2/94	1127	X		X		DM35-HA-4	1		X		5-DAY		
3/2/94	1130	X		X		DM35-HA-5	1		X		5-DAY		
3/2/94	1110	X		X		DM35-HA-6	1		X		5-DAY		
3/2/94	1300	X	X			DM35-MW12	2	X			24-HR		
3/2/94	1300	X	X			DM35-MW12	2			X			
3/2/94						TRIPBLANK	1						

Sampled By & Title: Keith J. Gally (Please sign and print name) — Keith Gally — Date/Time 3/2/94 1320

Received By: B. Marcum (Please sign and print name) — Date/Time 3-2-94 1408

Received By (Please sign and print name) — Date/Time

Received By (Please sign and print name) — Date/Time

Work Authorized By (Please sign and print name)

Relinquished By: Keith J. Gally (Please sign and print name) — Date/Time 3/2/94 1408

Relinquished By (Please sign and print name) — Date/Time

Relinquished By (Please sign and print name) — Date/Time

Shipped Via: UPS BUS Fed-Ex Hand Other ____ — Shipping #

Remarks

HAZWRAP/NESSA: Y N

QC Level: 1 2 3 Other: ____

COC Rec | ICE

Ana Req | TEMP

Cust Seal | Ph

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: ORIGINAL - LAB, Yellow - LAB, Pink - Client

REV 11/92 FORM 340