Engineers
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July 31, 1993

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Mr. Brian Oliva
Hazardous Materials Specialist
Alameda County Health Agency
Division of Hazardous Materials
80 Swan Way, Room 200
Oakland, CA 94621

Subject: Quarterly Groundwater Monitoring and Groundwater Extraction and Treatment System Status Report for Del Monte Plant 35 - West Parcel, 4204 Hollis Street, Emeryville, California

Dear Mr. Oliva:

Enclosed is the Quarterly Groundwater Monitoring and Groundwater Extraction and Treatment System Status Report for Del Monte Plant 35 - West Parcel located at 4204 Hollis Street in Emeryville, California. If you have any questions or comments, please call me at (510) 251-2888 (ext. 2095) or Bern Baumgartner (ext. 2118).

Sincerely,

CH2M HILL

for Ken Lewis
Project Manager

cc: Mr. Rich Hiett/RWQCB
Mr. Stan Archacki/EBMUD
Mr. Ron Thibault/Del Monte
Mr. Steve Ronzone/Del Monte
Mr. Lee Bosche/Del Monte
Mr. Bharat Shah/Del Monte
Mr. Mark Rosenquist/Del Monte
Mr. Bern Baumgartner/CH2M HILL

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EXECUTIVE SUMMARY OF RESULTS
Del Monte Plant 35
Emeryville, California

Quarterly groundwater monitoring of monitoring wells MW-7, MW-9, MW-10, and MW-11 was conducted on June 16, 1993. In addition, monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-6 were sampled for volatile organic compounds (VOCs) during this quarter to confirm previous sampling data obtained from these wells in December 1988. The following is a summary of the groundwater monitoring results:

- Chlorinated hydrocarbon levels in monitoring well MW-10 wer[redacted] maximum contaminant levels (MCLs) and were lower than [redacted] previous [redacted]

- Chlorinated hydrocarbon levels in monitoring well MW-11 increased above levels encountered during the previous two quarters but are still within historical levels encountered in MW-11. C[redacted]vels in [redacted] MW-9 did not significantly change.

- No VOCs were detected in monitoring wells MW-1, MW-3, and MW-6; VOCs encountered in monitoring wells MW-2 and MW-4 were similar to the levels encountered in December 1988.

- Petroleum hydrocarbons were not detected in any of the monitoring wells [redacted] which contained 250 μg/l total petroleum hydrocarbons (TPH) as gasoline. No regulatory standard exists for TPH as gasoline, however, a commonly used cleanup level for TPH as gasoline is 1,000 μg/l.

[redacted] system is sampled monthly for chlorinated hydrocarbons. The following is a summary of the GET system monitoring results:

- Chlorinated hydrocarbon concentrations in the influent stream of the GET system continue to decrease; the chlorinated hydrocarbon levels encountered on July 1, 1993 are the lowest recorded for the GET system influent stream.

- Chlorinated hydrocarbon concentrations in the influent stream of the GET system are well below the sanitary sewer discharge requirements set by East Bay Municipal Utility District.

- As of July 1, 1993, the GET system extracted and treat[redacted] of groundwater at a rate of approximately 3.5 gallons per minute.

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INTRODUCTION

This report presents the quarterly groundwater monitoring analytical data and the status of the groundwater extraction and treatment (GET) system located at Del Monte Plant 35 - West Parcel, at 4204 Hollis Street in Emeryville, California.

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; the West Parcel, located at 4204 Hollis Street, is approximately 2 acres in size and the East Parcel, located at 1250 Park Avenue, is approximately 11 acres in size (Figure 1).

Plant 35 is underlaid 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. This silty clay zone in underlaid with silty sand. Shallow groundwater exists beneath the property at a depth of approximately 7 to 10 feet below ground surface.

Del Monte removed four 50-gallon underground tanks from the West Parcel in March 1989 as described in "Property Assessment and Tank Removal Report, Del Monte Plant No. 35, Southwest Corner" (CH2M HILL, September 1989). These tanks were located adjacent to a building that Del Monte had previously leased to medical research companies. The tanks were used to store fuel oil; however, prior to removal of the tanks, tank content sampling revealed the presence of chlorinated hydrocarbon compounds. Subsequent groundwater investigations revealed the presence of chlorinated hydrocarbon compounds in the shallow groundwater in the vicinity of the former fuel oil tank area. Del Monte has been monitoring the groundwater in the vicinity of the former fuel oil tank area since May 1989.

Del Monte demolished and removed the building located at the southwest corner of the West Parcel during December 1992. The removal of this building provided access to soil that could not be removed during the removal of the four fuel oil tanks in 1989.

GROUNDWATER MONITORING

Quarterly groundwater monitoring was conducted on June 16, 1993. Monitoring wells MW-7, MW-9, MW-10 and MW-11 were sampled as part of the quarterly monitoring program. In addition, monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-6 were sampled during this quarterly event to confirm previous sampling data obtained from these wells in December 1988. Monitoring well MW-5 was not sampled during this event because it was not locatable on the day of sampling since it had been inadvertently covered by gravel during grading for a parking lot. Monitoring well MW-8 was destroyed during the installation of the GET system, and therefore was also not sampled. However, the extraction pit for the GET system is located in the vicinity of the former

MW-8 location and therefore SP-D has been sampled in lieu of MW-8 since the GET system start-up. The monitoring well locations are shown on Figure 1. The groundwater monitoring analytical results of the June 16, 1993 monitoring event and previous monitoring events are summarized on Tables 1 and 2. The laboratory and sampling reports are contained in Attachment A.

Water level measurements were collected from each well prior to sampling during the June 16, 1993 monitoring event. Figure 2 illustrates the groundwater surface gradient through the property from water level measurements recorded on June 16, 1993.

The groundwater monitoring results indicate decreasing concentration levels of chlorinated hydrocarbons in monitoring wells MW-10 since the start-up of the GET system (January 14, 1993). MW-11 has seen an increase in chlorinated hydrocarbon concentrations since the last monitoring event but is still within the historical ranges encountered in that well. No significant changes in groundwater quality have occurred in monitoring wells MW-7 and MW-9. Results from the other monitoring wells (MW-1, MW-2, MW-3, MW-4, and MW-6) show no significant change from the historical data from those wells. Applicable State of California Maximum Contaminant Levels (MCLs) are included at the bottom of Tables 1 and 2.

Samples collected from monitoring wells MW-6 and MW-7 were also analyzed for total petroleum hydrocarbons (TPH) as gasoline. Monitoring well MW-6 did not contain detectable levels of TPH as gasoline. Monitoring well MW-7 contained 250 μg/l TPH as gasoline; however, monitoring well MW-7 did not contain detectable levels of benzene, toluene, ethylbenzene, and xylenes (BTEX). The monitoring well analytical results for TPH as gasoline and BTEX are included on Table 2. No regulatory standard for TPH as gasoline exists, however, a commonly used cleanup level for TPH as gasoline is 1,000 μg/l.

GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

Del Monte began construction of a GET system on January 11, 1993 and began operating this GET system on January 14, 1993. The objective of the GET system is to extract and treat groundwater containing chlorinated hydrocarbons thereby reducing levels of chlorinated hydrocarbons in the shallow groundwater beneath the West Parcel. Del Monte is planning on operating the GET system until January 1994.

The GET system extracts groundwater from the former location of the four 50-gallon underground tanks. Groundwater is extracted through one of two 16-inch diameter perforated pipes installed in the pea gravel at the bottom of the excavation pit. The extracted groundwater is pumped to a 20,000-gallon covered settling tank to settle out silt and fine sand. An automatic shutoff device does not allow for more than 7,000 gallons of water to be contained within the 20,000-gallon settling tank at any time. After the settling tank, the extracted groundwater gravity flows to a 100-gallon holding tank prior to treatment. Treatment consists of two activated carbon canisters in series. The treated

groundwater is then discharged to the sanitary sewer; Del Monte obtained a Wastewater Discharge Permit from the East Bay Municipal Utility District (EBMUD) on December 1, 1992. A schematic of the GET system is shown on Figure 3. Four water sample ports (SP-A, SP-B, SP-C, and SP-D) used to monitor the GET system are also shown on Figure 3.

Del Monte has collected monthly water samples from the GET system sample ports. The samples have been analyzed for chlorinated hydrocarbons and BTEX. The results of these analyses are summarized on Table 3. The laboratory reports for these samples are included in Attachment B.

The results of the GET system sampling indicate that the GET system is effectively removing chlorinated hydrocarbons prior to discharge; EBMUD's discharge limitation for total chlorinated hydrocarbons is 500 μg/l. BTEX compounds have not been detected in any of the GET system samples collected. EBMUD's discharge limitations have not been exceeded in the GET system influent stream since January 19, 1993. Based on this, the two carbon canisters are currently not scheduled to be replaced.

As of July 1, 1993, the GET system extracted and treated 859,078 gallons of water at a rate of approximately 3.5 gallons per minute. GET system inspection logs are contained in Attachment C.

FUTURE ACTIVITIES

[redacted] (SMRRs) contained in the EBMUD Wastewater Discharge Permit (Account No. 045-25783) to the following schedule:

Sample Port	Existing SMRR	Proposed SMRR	Rational for Proposed Modification
SP-A	EPA 601 and BTEX once per month	Discontinue sampling from this port	Influent into the GET system has shown total chlorinated hydrocarbon levels well below the EBMUD discharge limitations since GET system start-up
SP-B	EPA 601 and BTEX once per month	EPA 601 once per month	BTEX has never been detected in the GET system influent or from any sample port since monitoring began
SP-C	Not currently sampled	No change	Not Applicable

Sample Port	Existing SMRR	Proposed SMRR	Rational for Proposed Modification
SP-D	EPA 601 and BTEX once per month	EPA 601 once per month	BTEX has never been detected in the GET system influent or from any sample port since monitoring began

If during any sampling event, samples collected from SP-B or SP-D show total chlorinated hydrocarbon concentrations in excess of the EBMUD discharge limitation of 500 μg/l, [redacted] and protocol as SP-B and SP-D. Carbon canisters will continue to be changed-out as necessary.

[redacted] groundwater extraction pulsing frequency is two weeks on, two weeks off. This pulsing frequency may be modified based on the GET system monitoring results.

The next quarterly sampling event of monitoring wells MW-7, MW-9, MW-10, and MW-11 is scheduled for September 30, 1993 and the next quarterly report is scheduled to be prepared by October 30, 1993. [redacted] inspections will [redacted]

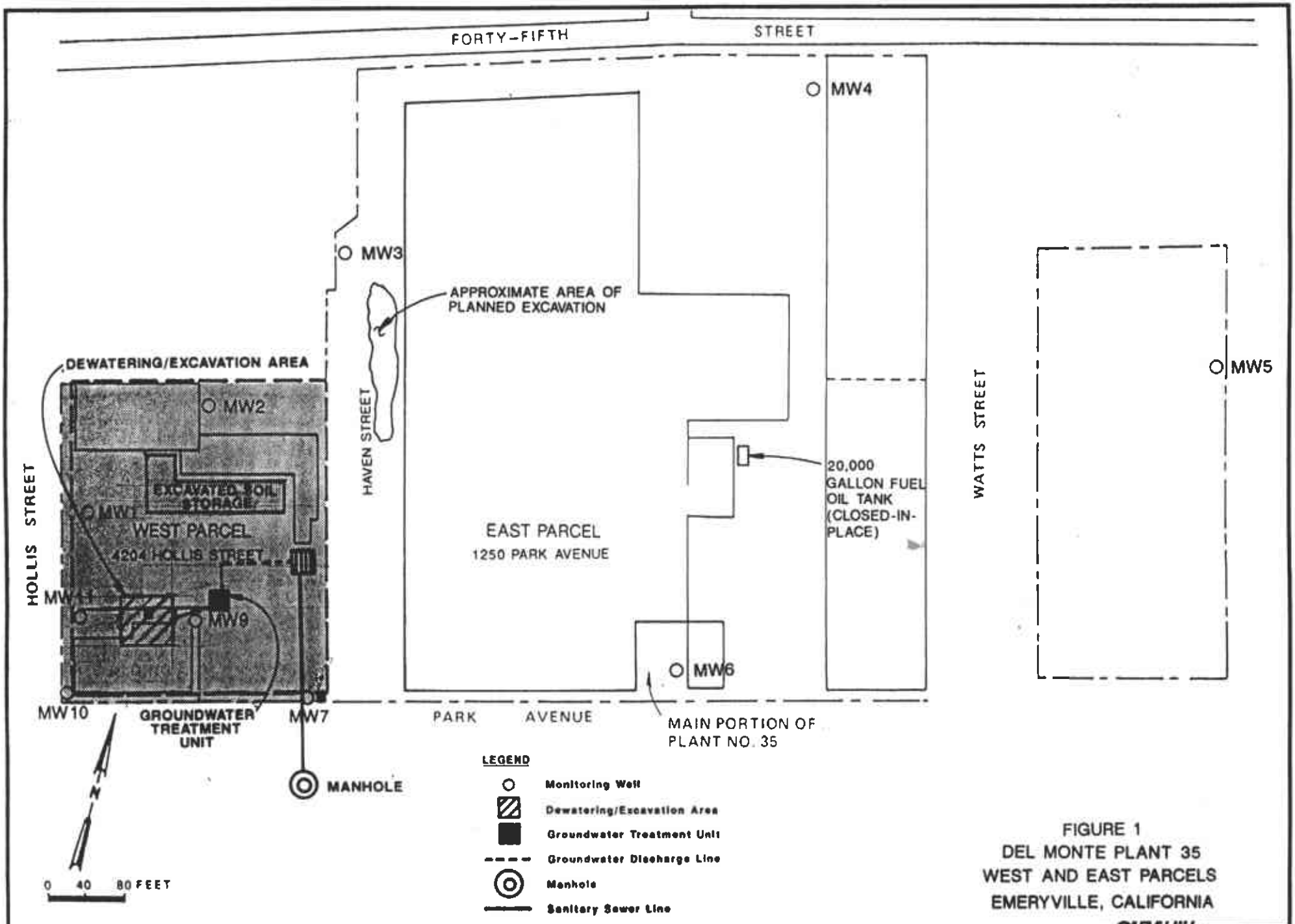

FIGURE 1
DEL MONTE PLANT 35
WEST AND EAST PARCELS
EMERYVILLE, CALIFORNIA

CHEMHILL

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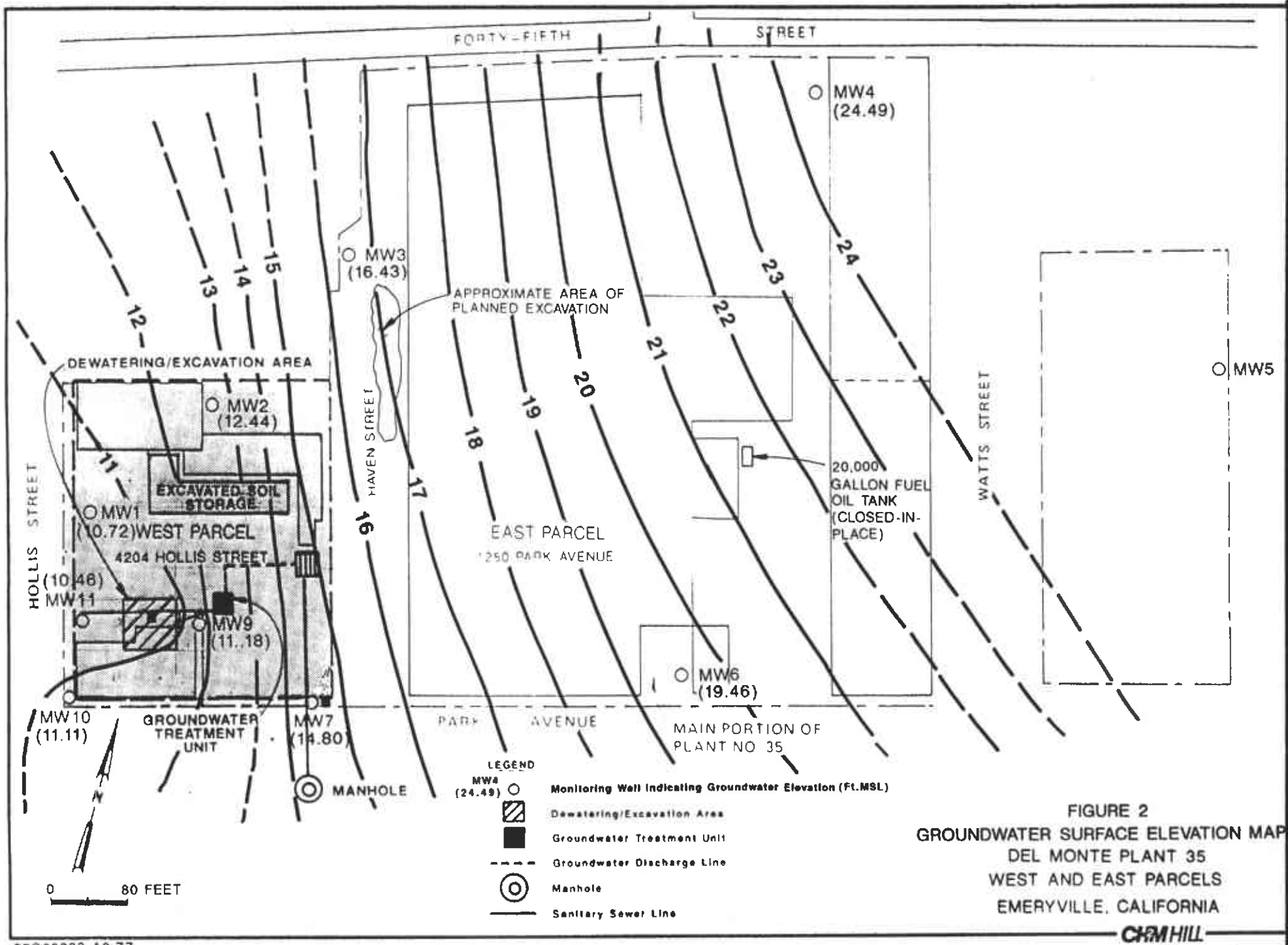

FIGURE 2
GROUNDWATER SURFACE ELEVATION MAP
DEL MONTE PLANT 35
WEST AND EAST PARCELS
EMERYVILLE, CALIFORNIA

CH2MHILL

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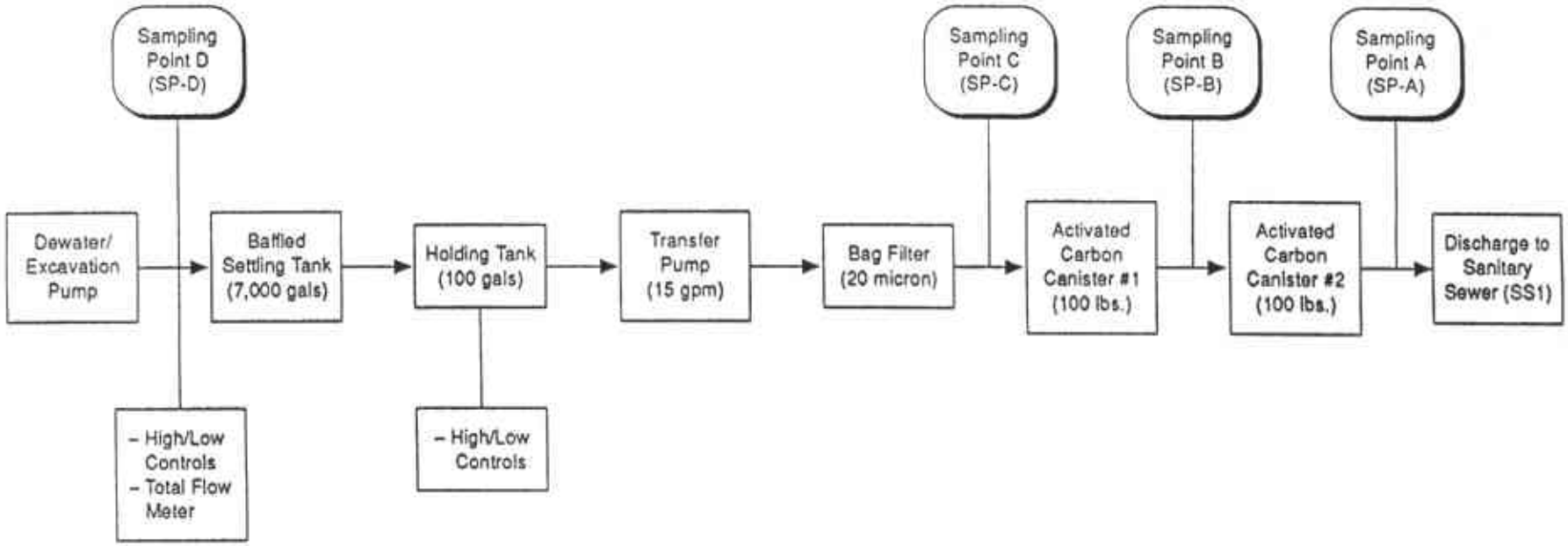

Figure 3
DEL MONTE PLANT 35
GROUNDWATER TREATMENT UNIT

CH2M HILL

Table 1
Quarterly Groundwater Monitoring Results
Del Monte Plant No. 35, West Parcel
4204 Hollis Street, Emeryville, California

Monitoring Well	Sampling Date	Concentration (ug/l) 1,2-DCE(a	1,1-DCE(b	1,2-DCA(c)	TCE(d)	PCE(e)	VC(f)	1,2-DP(g)
MW7	17-Apr-91	85.0	<0.5	<0.5	23.0	14.0	5.1	<0.5
MW7	31-Jul-91	100.0	<0.5	<0.5	29.0	19.0	5.1	<0.5
MW7	22-Oct-91	130.0	<1.0	<1.0	30.0	20.0	3.0	<1.0
MW7	23-Jan-92	100.0	<0.5	<0.5	29.0	17.0	3.1	<0.5
MW7	23-Apr-92	92.0	<0.5	<0.5	46.0	28.0	<0.5	<0.5
MW7	17-Jul-92	93.0	<0.5	<0.5	51.0	30.0	1.8	<0.5
MW7	12-Oct-92	71.0	<0.5	<0.5	39.0	28.0	2.8	<0.5
MW7	13-Jan-93	54.0	<0.5	<0.5	25.0	16.0	2.1	<0.5
MW7	30-Mar-93	65.0	<0.5	<0.5	31.0	22.0	2.5	<0.5
MW7	16-Jun-93	45.0	<2.0	<2.0	25.0	19.0	2.7	<2.0
MW8	12-May-89	290.0	<10.0	<10.0	1400.0	20.0	78.0	<10.0
MW8	10-Jul-89	140.0	<2.5	<2.5	330.0	14.0	17.0	<2.5
MW8-dup	10-Jul-89	130.0	<2.5	<2.5	310.0	12.0	16.0	<2.5
MW8	24-Oct-89	100.0	<2.0	<2.0	330.0	24.0	4.0	<2.0
MW8	07-Feb-90	100.0	<2.0	<2.0	520.0	18.0	12.0	<2.0
MW8	10-Jul-90	5.0	<0.2	<0.5	91.0	36.0	3.0	<0.5
MW8	17-Oct-90	59.0	<1.0	<1.0	160.0	21.0	2.0	<1.0
MW8	24-Jan-91	160.0	<2.0	<5.0	450.0	13.0	9.0	27.0
MW8	17-Apr-91	210.0	<5.0	<5.0	830.0	16.0	<5.0	<5.0
MW8	31-Jul-91	85.0	<2.0	<2.0	350.0	30.0	<2.0	<2.0
MW8	22-Oct-91	40.0	<5.0	<5.0	630.0	20.0	<5.0	<5.0
MW8	23-Jan-92	160.0	<5.0	<5.0	690.0	29.0	<5.0	<5.0
MW8	23-Apr-92	130.0	<10.0	<10.0	1600.0	30.0	<10.0	<10.0
MW8	17-Jul-92	35.0	<2.0	<2.0	490.0	11.0	<2.0	<2.0
MW8	12-Oct-92	22.0	<1.0	<1.0	110.0	24.0	1.3	<1.0
MW8 (SP-D)	19-Jan-93	37.0	<0.5	<0.5	620.0	4.9	3.0	<0.5
MW8 (SP-D)	26-Feb-93	50.0	<0.5	<0.5	350.0	14.0	<0.5	<0.5
MW8 (SP-D)	11-Mar-93	44.9	<0.5	<0.5	130.0	25.0	<0.5	<0.5
MW8 (SP-D)	06-Apr-93	48.0	<1.0	<1.0	160.0	21.0	<1.0	<1.0
MW8 (SP-D)	04-May-93	29.0	<0.5	<0.5	89.0	14.0	<0.5	<0.5
MW8 (SP-D)	02-Jun-93	1.2	<1.0	<1.0	120.0	7.2	<1.0	<1.0
MW8 (Extr. Well)	16-Jun-93	66.8	<2.0	<2.0	86.0	31.0	1.4	<2.0
MW8 (SP-D)	16-Jun-93	62.0	<2.0	<2.0	102.0	24.0	<2.0	<2.0
MW8 (SP-D)	01-Jul-93	<1.0	<1.0	<1.0	68.0	8.9	<1.0	<1.0
MW9	10-Jul-89	63.0	<0.5	<0.5	13.0	38.0	16.0	<0.5
MW9	24-Oct-89	6.4	<0.5	<0.5	29.0	48.0	23.0	<0.5
MW9	07-Feb-90	55.0	<0.5	<0.5	15.0	30.0	7.1	<0.5
MW9	10-Jul-90	3.0	<0.2	<0.5	9.0	43.0	10.0	<0.5
MW9	17-Oct-90	70.0	<0.5	<0.5	14.0	32.0	4.6	<0.5
MW9	24-Jan-91	70.0	<2.0	<2.0	220.0	23.0	<2.0	<2.0
MW9	17-Apr-91	44.0	<0.5	<0.5	12.0	26.0	<0.5	<0.5
MW9	31-Jul-91	55.0	<0.5	<0.5	14.0	32.0	2.3	<0.5
MW9	22-Oct-91	71.0	<0.5	<0.5	15.0	33.0	2.8	<0.5
MW9	23-Jan-92	64.0	<0.5	<0.5	10.0	27.0	2.1	<0.5
MW9	23-Apr-92	22.0	<0.5	<0.5	11.0	29.0	<0.5	<0.5
MW9	17-Jul-92	26.0	<0.5	<0.5	13.0	32.0	<0.5	<0.5

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Table 1
Quarterly Groundwater Monitoring Results
Del Monte Plant No. 35, West Parcel
4204 Hollis Street, Emeryville, California

Monitoring Well	Sampling Date	Concentration (ug/l) 1,2-DCE(a	1,1-DCE(b	1,2-DCA(c)	TCE(d)	PCE(e)	VC(f)	1,2-DP(g)
MW9	12-Oct-92	41.0	<0.5	<0.5	17.0	36.0	3.0	<0.5
MW9	13-Jan-93	22.0	<0.5	<0.5	7.9	17.0	1.4	<0.5
MW9	30-Mar-93	26.0	<0.5	<0.5	9.6	22.0	2.1	<0.5
MW9	16-Jun-93	41.5	<2.0	<2.0	12.0	27.0	6.8	<2.0
MW10	10-Jul-89	85.0	0.8	<0.5	27.0	42.0	28.0	<0.5
MW10	24-Oct-89	104.8	<0.5	<0.5	37.0	28.0	6.9	<0.5
MW10	07-Feb-90	50.0	<0.5	<0.5	11.0	8.0	5.3	<0.5
MW10	10-Jul-90	9.0	<0.2	<0.5	30.0	76.0	54.0	<0.5
MW10-dup	10-Jul-90	10.0	5.0	<0.5	28.0	69.0	17.0	<0.5
MW10	17-Oct-90	140.0	<0.5	<0.5	35.0	37.0	13.0	<0.5
MW10	24-Jan-91	65.0	<0.5	<0.5	14.0	31.0	3.3	<0.5
MW10	17-Apr-91	210.0	<2.0	<2.0	48.0	52.0	10.0	<2.0
MW10	31-Jul-91	280.0	<2.0	<2.0	66.0	14.0	2.0	<2.0
MW10	22-Oct-91	160.0	<1.0	<1.0	40.0	40.0	5.0	<1.0
MW10	23-Jan-92	240.0	<2.0	<2.0	46.0	54.0	10.0	<2.0
MW10	23-Apr-92	210.0	<2.0	<2.0	89.0	110.0	<2.0	<2.0
MW10	17-Jul-92	180.0	<1.0	<1.0	78.0	82.0	15.0	<1.0
MW10	12-Oct-92	110.0	<1.0	<1.0	45.0	46.0	11.0	<1.0
MW10	13-Jan-93	190.0	<1.0	<1.0	78.0	110.0	19.0	<1.0
MW10	30-Mar-93	26.0	<0.5	<0.5	15.0	18.0	0.7	<0.5
MW10	16-Jun-93	3.2	<2.0	<2.0	2.7	4.7	<2.0	<2.0
MW11	10-Jul-89	73.0	<1.0	4.0	160.0	12.0	16.0	5.7
MW11	24-Oct-89	188.0	<2.0	10.0	410.0	15.0	22.0	20.0
MW11	07-Feb-90	105.0	<2.0	2.0	270.0	8.0	11.0	13.0
MW11	10-Jul-90	4.0	<2.0	23.0	46.0	18.0	15.0	<0.5
MW11	17-Oct-90	150.0	<2.0	11.0	300.0	8.0	<2.0	31.0
MW11	24-Jan-91	120.0	<1.0	<1.0	29.0	29.0	3.0	<1.0
MW11	17-Apr-91	100.0	<1.0	14.0	160.0	12.0	5.0	29.0
MW11	31-Jul-91	250.0	<2.0	<2.0	61.0	65.0	12.0	2.0
MW11	22-Oct-91	180.0	<2.0	5.0	560.0	20.0	5.0	30.0
MW11	23-Jan-92	160.0	<2.0	13.0	290.0	19.0	<2.0	21.0
MW11	23-Apr-92	30.0	<1.0	9.0	120.0	13.0	<1.0	14.0
MW11	17-Jul-92	26.0	<0.5	1.4	81.0	<0.5	<0.5	3.5
MW11	12-Oct-92	63.0	<3.0	4.4	450.0	16.0	5.2	17.0
MW11	13-Jan-93	29.0	<1.0	2.2	140.0	13.0	3.2	6.4
MW11	30-Mar-93	17.0	<0.5	<0.5	55.0	10.0	1.6	5.1
MW11	16-Jun-93	41.5	<2.0	6.3	230.0	20.0	7.0	7.2
WATER QUALITY STANDARDS								
	Primary MCL	—	6	0.5	5	5	0.5	5
	Cancer Risk	—	0.033	0.94	2.7	0.8	2	—
AATC (Freshwater)		23200	11600	118000	45000	5280	—	23000

a total 1,2-Dichloroethene*
b 1,1-Dichloroethene
c 1,2-Dichloroethane
d Trichloroethene
e Tetrachloroethene
f Vinyl chloride
g 1,2-Dichloropropane
* Sum of cis-1,2-Dichloroethene and trans-1,2-Dichloroethene

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TABLE 2

DEL MONTE PLANT NO. 35 EAST AND WEST PARCELS
4204 HOLLIS STREET AND 1250 PARK AVENUE, EMERYVILLE, CA
ADDITIONAL GRONDWATER ANALYSIS RESULTS

Monitoring Well	Sampling Date	Concentration (ug/l) B	T	E	X	TPH-Gas	1,2-DCE	1,1-DCE	1,2-DCA	TCE	PCE	VC	1,2-DP
MW1	20-Dec-88	NA	NA	NA	NA	NA	< 2.0	< 2.0	8.0	< 2.0	< 2.0	< 2.0	< 2.0
MW1	16-Jun-93	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
MW2	20-Dec-88	NA	NA	NA	NA	NA	< 2.0	< 2.0	7.0	< 2.0	8.0	< 2.0	< 2.0
MW2	16-Jun-93	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	9.1	< 2.0	< 2.0
MW3	20-Dec-88	NA	NA	NA	NA	NA	< 2.0	< 2.0	7.0	< 2.0	< 2.0	< 2.0	< 2.0
MW3	16-Jun-93	< 2.0	< 2.0	< 2.0	< 2.0	NA	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
MW4	20-Dec-88	NA	NA	NA	NA	NA	< 2.0	< 2.0	< 2.0	13.0	< 2.0	< 2.0	< 2.0
MW4	16-Jun-93	< 2.0	< 2.0	< 2.0	< 2.0	NA	2.0	< 2.0	< 2.0	8.7	< 2.0	< 2.0	< 2.0
MW6	07-Feb-86	44	40	NA	25	6200	NA	NA	NA	NA	NA	NA	NA
MW6	07-Aug-87	< 0.5	1.2	NA	0.6	< 50	NA	NA	NA	NA	NA	NA	NA
MW6	06-Dec-88	< 1.0	< 2.0	< 1.0	< 3.0	NA	< 2.0	< 2.0	8.8	< 2.0	< 2.0	< 2.0	< 2.0
MW6	12-Mar-89	< 0.3	< 0.3	< 0.3	11	< 1000	NA	NA	NA	NA	NA	NA	NA
MW6	10-Jul-89	< 0.3	< 0.3	< 0.3	6	910	NA	NA	NA	NA	NA	NA	NA
MW6	24-Oct-89	< 0.3	< 0.3	< 0.3	< 0.3	< 50	NA	NA	NA	NA	NA	NA	NA
MW6	07-Feb-90	< 0.3	0.4	< 0.3	3.9	95	NA	NA	NA	NA	NA	NA	NA
MW6 dup	07-Feb-90	< 0.3	0.3	0.4	1.2	< 50	NA	NA	NA	NA	NA	NA	NA
MW6	16-Jun-93	< 2.0	< 2.0	< 2.0	< 2.0	<50	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0

Filename: mwconc2.xls

TABLE 2

DEL MONTE PLANT NO. 35 EAST AND WEST PARCELS
4204 HOLLIS STREET AND 1250 PARK AVENUE, EMERYVILLE, CA
ADDITIONAL GRONDWATER ANALYSIS RESULTS

Monitoring Well	Sampling Date	Concentration (ug/l) B	T	E	X	TPH-Gas	1,2-DCE	1,1-DCE	1,2-DCA	TCE	PCE	VC	1,2-DP
MW7	12-May-89	49.0	1.6	4.5	5.9	1000							
MW7	10-Jul-89	5.2	0.6	<0.3	5.6	500							
MW7	24-Oct-89	8.1	<0.3	<0.3	12.0	1800							
MW7	07-Feb-90	10.0	1.0	3.9	13.0	1300							
MW7	10-Jul-90	0.6	0.3	<0.3	1.0	210							
MW7	17-Oct-90	2.0	1.0	3.0	1.4	640							
MW7	24-Jan-91	1.8	1.9	2.4	5.3	300							
MW7	17-Apr-91	<0.5	<0.5	<0.5	<0.5	400							
MW7	29-Sep-09	<0.5	<0.5	<0.5	0.9	70							
MW7	22-Oct-91	<0.5	<0.5	1.0	<0.5	100							
MW7	23-Jan-92	<0.5	<0.5	<0.5	<0.5	<50							
MW7	23-Apr-92	<0.5	2.0	0.8	2.2	150							
MW7	16-Jun-93	<2.0	<2.0	<2.0	<2.0	250							

Chlorinated hydrocarbon results for monitoring well MW7 are presented in Table 1.

WATER QUALITY STANDARDS								
Primary MCL	—	6	0.5	5	5	0.5	5
Cancer Risk	—	0.033	0.94	2.7	0.8	2	—
AATC (Freshwater)	23200	11600	118000	45000	5280	—	23000

B - Benzene
T - Toluene
E - Ethylbenzene
X - Total Xylenes
TPH-Gas - Total Petroleum Hydrocarbons as Gasoline
1,2-DCE - Total (cis and trans) 1,2 Dichloroethane
1,1-DCE - 1,1-Dichloroethene
1,2-DCA - 1,2-Dichloroethane
TCE - Trichloroethene
PCE - Tetrachloroethene
VC - Vinyl Chloride
1,2-DP - 1,2 Dichloropropane

Filename: mwconc2.xls

TABLE 3
GROUNDWATER TREATMENT SYSTEM MONITORING RESULTS
DEL MONTE PLANT 35
EMERYVILLE, CALIFORNIA

Sample Port	Date	Concentrations (ug/l) B	T	E	X	PCE	TCE	VC	1,2-DCE
SP-A	01/14/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-A	01/19/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-A*	01/19/93	<0.5	<1.0	<1.0	<1.0	<1.0	<0.6	<1.0	<0.6
SP-A	01/27/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-A	02/26/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-A*	03/22/93	<0.5	<1.0	<1.0	<1.0	<1.0	<0.6	<1.0	<0.6
SP-A	04/06/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.9
SP-A	05/04/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.1
SP-A	06/02/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
SP-A	07/01/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<1.0
SP-B	01/14/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-B	01/19/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-B	01/27/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-B	02/26/93	<0.5	<0.5	<0.5	<0.5	5.9	<0.5	<0.5	<0.5
SP-B	04/06/93	<0.5	<0.5	<0.5	<0.5	<0.5	11	<0.5	27
SP-B	05/04/93	<0.5	<0.5	<0.5	<0.5	<0.5	16	<0.5	39
SP-B	06/02/93	<0.5	<0.5	<0.5	<0.5	<1.0	5.5	<1.0	<1.0
SP-B	07/01/93	<0.5	<0.5	<0.5	<0.5	<1.0	17	<1.0	<1.0
SP-C	01/14/93	<0.5	<0.5	<0.5	<0.5	<0.5	1.9	<0.5	<0.5
SP-C	01/19/93	<0.5	<0.5	<0.5	<0.5	<0.5	3.4	<0.5	<0.5
SP-C	01/27/93	<0.5	<0.5	<0.5	<0.5	6.6	250	<0.5	19
SP-C	02/26/93	<0.5	<0.5	<0.5	<0.5	12	220	<0.5	36
SP-C	03/11/93	NA	NA	NA	NA	17	100	<0.5	37
SP-C	04/06/93	<0.5	<0.5	<0.5	<0.5	13	130	<1.0	34
SP-C	05/04/93	NA	NA	NA	NA	NA	NA	NA	NA
SP-C	06/02/93	NA	NA	NA	NA	NA	NA	NA	NA
SP-C	07/01/93	NA	NA	NA	NA	NA	NA	NA	NA
SP-D	01/14/93	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
SP-D	01/19/93	<0.5	<0.5	<0.5	<0.5	4.9	620	3.0	37
SP-D	02/26/93	<0.5	<0.5	<0.5	<0.5	14	350	<0.5	50
SP-D	03/11/93	NA	NA	NA	NA	25	130	<0.5	44.9
SP-D	04/06/93	NA	NA	NA	NA	21	160	<1.0	48
SP-D	05/04/93	<0.5	<0.5	<0.5	<0.5	14	89	<0.5	29
SP-D	06/02/93	<0.5	<0.5	<0.5	<0.5	7.2	120	<1.0	1.2
SP-D	06/16/93	<0.5	<0.5	<0.5	<0.5	24	102	<2.0	62
SP-D	07/01/93	<0.5	<0.5	<0.5	<0.5	8.9	68	<1.0	<1.0

NA = Not Analyzed
SP-A* = Sample collected by East Bay Municipal Utility District
B - benzene, T - toluene, E - ethylbenzene, X - xylenes
PCE - perchloroethylene
TCE - trichloroethylene
VC - vinyl chloride
1,2-DCE - 1,2-Dichloroethylene (Total)

ATTACHMENT A

Monitoring Well Laboratory and Sampling Reports

BLAINE
TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

June 29, 1993

CH_2M Hill
1111 Broadway
Suite 1200
Oakland, CA 94607-4046

Attention: Ken Lewis

SITE:
Del Monte Plant #35
1250 Park Avenue
Emeryville, CA

PROJECT NUMBER:
SFO28830.BB.ZZ

DATE:
June 16, 1993

Water Level Report 930616-A-1

Personnel from our office were present at the site on Wednesday, June 16, 1993 to obtain water levels and conduct a sheen and odor check. Please note that we are reporting only the water levels, not elevations.

Well designation	Well diameter	Depth to surface	Well depth	Sheen/Odor	Measured to: Top of Pipe or Grade
MW-1	2"	10.07'	18.88'	None	Pipe
MW-2	2"	12.03'	23.85'	None	Pipe
MW-3	2"	6.74'	18.03'	None	Pipe
MW-4	2"	4.32'	19.22'	None	Pipe
MW-6	2"	8.05'	18.73'	None	Pipe
MW-7	2"	7.58'	24.93	None	Pipe
MW-9	2"	11.10'	20.02'	None	Pipe
MW-10	2"	8.27'	17.90'	None	Pipe
MW-11	2"	8.87'	18.0'	None	Pipe
EXT	18"	9.17'	--	Odor	--

Richard C. Blaine

RCB/skt

BLAINE
TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

June 23, 1993

CH2M Hill
1111 Broadway
Suite 1200
Oakland, CA 94607-4046

Attn: Ken Lewis

SITE:
Del Monte Plant No. 35
1250 Park Avenue
Emeryville, California

PROJECT NUMBER:
SFO28830.BB.ZZ

DATE:
June 16, 1993

GROUNDWATER SAMPLING REPORT 930616-A-1

Blaine Tech Services, Inc. performs specialized environmental sampling and documentation as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. does not participate in the interpretation of analytical results or become involved with the marketing or installation of remedial systems.

This report deals with the groundwater well sampling performed by our firm in response to your request. Data collected in the course of our work at the site is presented in the TABLE OF WELL MONITORING DATA. This data was collected during our inspection, well evacuation, and sample collection. Measurements include the total depth of the well and depth to water. Water surfaces were further inspected for the presence of a immiscibles A series of electrical conductivity, pH, and temperature readings were obtained during well evacuation and at the time of sample collection. Recharge performance can be evaluated by comparing the anticipated three, four, or five case volume evacuation gallonage with the volume which could actually be purged.

TABLE OF WELL MONITORING DATA

Well I.D.	MW-1			MW-2			MW-3		
Date Sampled	06/16/93			06/16/93			06/16/93		
Well Diameter (in.)	2			2			2		
Total Well Depth (ft.)	18.88			23.85			18.03		
Depth To Water (ft.)	10.07			12.03			6.74		
Free Product (in.)	NONE			NONE			NONE		
Reason If Not Sampled	--			--			--		
1 Case Volume (gal.)	1.43			1.92			1.84		
Did Well Dewater?	NO			NO			NO		
Gallons Actually Evacuated	4.5			6.0			6.0		
Purging Device	MIDDLEBURG			MIDDLEBURG			MIDDLEBURG		
Sampling Device	BAILER			BAILER			BAILER		
Time	12:00	12:04	12:07	11:17	11:22	11:27	10:47	10:52	10:57
Temperature (Fahrenheit)	71.1	69.7	69.7	68.0	67.7	67.7	67.4	67.4	67.4
pH	6.8	6.8	6.8	7.2	7.0	7.0	7.3	7.4	7.4
Conductivity (micromhos/cm)	750	780	790	700	680	680	520	510	510
BTS Chain of Custody	930616-A-1			930616-A-1			930616-A-1		
BTS Sample I.D.	MW-1			MW-2			MW-3		
DHS HMTL Laboratory	CHROMALAB			CHROMALAB			CHROMALAB		
Analysis	EPA 8240			EPA 8240			EPA 8240		

TABLE OF WELL MONITORING DATA

Well I.D.	MW-4	MW-6	MW-7
Date Sampled	06/16/93	06/16/93	06/16/93
Well Diameter (in.)	2	2	2
Total Well Depth (ft.)	19.22	18.73	24.93
Depth To Water (ft.)	4.32	8.05	7.58
Free Product (in.)	NONE	NONE	NONE
Reason If Not Sampled	--	--	--
1 Case Volume (gal.)	2.44	1.74	2.82
Did Well Dewater?	NO	NO	NO
Gallons Actually Evacuated	7.5	6.5	9.0
Purging Device	MIDDLEBURG	MIDDLEBURG	MIDDLEBURG
Sampling Device	BAILER	BAILER	BAILER
Time	10:01 10:07 10:12	13:12 13:18 13:22	13:54 14:00 14:06
Temperature (Fahrenheit)	67.7 67.1 67.1	69.1 68.3 68.1	68.4 68.3 68.2
pH	7.7 7.6 7.6	6.7 6.6 6.8	6.9 6.8 6.8
Conductivity (micromhos/cm)	820 800 800	640 600 600	640 660 670
BTS Chain of Custody	930616-A-1	930616-A-1	930616-A-1
BTS Sample I.D.	MW-4	MW-6	MW-7
DHS HMTL Laboratory	CHROMALAB	CHROMALAB	CHROMALAB
Analysis	EPA 8240	EPA 8240 & 8015	EPA 8240 & 8015

NOTE: Well MW-5 was not sampled because the well could not be located.

TABLE OF WELL MONITORING DATA

Well I.D.	MW-9			MW-10			MW-11		
Date Sampled	06/16/93			06/16/93			06/16/93		
Well Diameter (in.)	2			2			2		
Total Well Depth (ft.)	20.02			17.90			18.0		
Depth To Water (ft.)	11.10			8.27			8.87		
Free Product (in.)	NONE			NONE			NONE		
Reason If Not Sampled	--			--			--		
1 Case Volume (gal.)	1.45			1.56			1.48		
Did Well Dewater?	NO			NO			NO		
Gallons Actually Evacuated	4.5			5.0			5.0		
Purging Device	MIDDLEBURG			MIDDLEBURG			MIDDLEBURG		
Sampling Device	BAILER			BAILER			BAILER		
Time	14:42	14:48	14:54	15:39	15:44	15:49	16:09	16.14	16.19
Temperature (Fahrenheit)	70.5	70.4	70.5	69.3	67.6	67.5	68.9	67.8	67.9
pH	6.8	6.8	6.7	6.8	7.0	6.9	6.8	6.9	6.9
Conductivity (micromhos/cm)	660	670	670	620	680	680	680	740	750
BTS Chain of Custody	930616-A-1			930616-A-1			930616-A-1		
BTS Sample I.D.	MW-9			MW-10			MW-11		
DHS HMTL Laboratory	CHROMALAB			CHROMALAB			CHROMALAB		
Analysis	EPA 8240			EPA 8240			EPA 8240		

TABLE OF WELL MONITORING DATA

Well I.D.	DISCHARGE PORT	EXTRACTION WELL *
Date Sampled	06/16/93	06/16/93
Well Diameter (in.)	--	18
Total Well Depth (ft.)	--	--
Depth To Water (ft.)	--	--
Free Product (in.)	--	--
Reason If Not Sampled	--	--
1 Case Volume (gal.)	GRAB SAMPLE	GRAB SAMPLE **
Did Well Dewater?	--	--
Gallons Actually Evacuated	--	--
Purging Device	--	--
Sampling Device	DISCHARGE PORT	--
Time	17:15	17:00
Temperature (Fahrenheit)	67.8	70.4
pH	7.2	7.0
Conductivity (micromhos/cm)	760	630
BTS Chain of Custody	930616-A-1	930616-A-1
BTS Sample I.D.	SPD	EXT
DHS HMTL Laboratory	CHROMALAB	CHROMLAB
ANALYSIS	EPA 8240	EPA 8240

* An Equipment blank was taken prior to sampling by pouring dionized water over the extraction well.

** Prior to sample collection the extraction well was shut down for two hours to allow for recharge of the water column.

EQUIPMENT

Selection of Sampling Equipment

The determination of what apparatus is to be used on particular wells may be made by the client or the professional consultant directing the performance of the monitoring on the client's behalf. If no specific requirement is made known to us, our personnel will select equipment that will accomplish the work in the most efficient manner. Our personnel are equipped with a variety of sampling devices that include USGS/Middleburg pumps, down hole electric submersible pumps, air lift pumps, suction pumps, and bailers made of both Teflon and stainless steel.

Evacuation and Sampling Equipment Mechanics

When equipment is not selected by the client, the apparatus for well evacuation and sample collection is selected by our field personnel based on an evaluation of the field conditions. Four types of devices are commonly available for employment:

Bailers
High Volume Suction Pumps
Electric Submersible Pumps
USGS/Middleburg positive displacement sampling pumps

USGS/Middleburg pumps and bailers were selected for the collection of samples at this site.

Bailers: A bailer, in its simplest form, is a hollow tube which has been fitted with a check valve at the lower end. The device can be lowered into a well by means of a cord. When the bailer enters the water, the check valve opens and liquid flows into the interior of the bailer. The bottom check valve prevents water from escaping when the bailer is drawn up out of the well.

Two types of bailers are used in groundwater wells at sites where fuel hydrocarbons are of concern. The first type of bailer is made of a clear material such as acrylic plastic and is used to obtain a sample of the surface and the near surface liquids in order to detect the presence of visible or measurable fuel hydrocarbon floating on the surface. The second type of bailer is made of Teflon or stainless steel and is used as an evacuation and/or sampling device.

Bailers are inexpensive and relatively easy to clean. Because they are manually operated, variations in operator technique may have a greater influence than would be found with more automated sampling equipment. Also where fuel is involved, the bailer may include near surface contaminants that are not representative of water deeper in the well.

USGS/Middleburg Positive Displacement Sampling Pumps: USGS/Middleburg positive displacement sampling pumps are EPA approved pumps appropriate for use in wells down to two inches in diameter and depths up to several hundred feet. The pump contains a flexible Teflon bladder which is alternately allowed to fill with well water and then collapsed. Actuation of the pump is accomplished with compressed air supplied by a single hose to one side of the Teflon membrane. Water on the other side of the membrane is squeezed out of the pump and up a Teflon conductor pipe to the surface. Evacuation and sampling are accomplished as a continuum. The rate of water removal is relatively slow and loss of volatiles almost non-existent. There is only positive pressure on the water being sampled and there is no impeller cavitation or suction. The pumps can be placed at any location within the well, can draw water from the very bottom of the well case, and are virtually immune to the erosive effects of silt or lack of water which destroy other types of pumps.

Disadvantages associated with Middleburg pumps include their high cost, low flow rate, temperamental operation, and cleaning requirements which are both elaborate and time consuming.

STANDARD PRACTICES

Evacuation

There are few accepted groundwater sampling protocols that do not call for the evacuation of at least three case volumes of water prior to sample collection, and there are situations where up to ten case volumes of evacuation may be requested. Different professional consultants may specify different levels of evacuation prior to sampling or may request that specific parameters be used to determine when to collect the sample. Our personnel use several standard instruments to record the changes in parameters as the well is evacuated. These instruments are used regardless of whether or not a specific volumetric standard has been called for. As a result, the consultant will always be provided with a record of the pH, EC, and temperature changes that occurred during the evacuation process. Additional information obtained with different types of instruments (such as dissolved oxygen and turbidity meters) can also be collected if requested in advance.

Effluent Materials

Groundwater well sampling protocols call for the evacuation of a sufficient volume of water from the well to insure that the sample is collected from water than has been newly drawn into the well from the surrounding geologic formation. The evacuation of this purge water creates a volume of effluent water which must be contained. Blaine Tech

Service, Inc. will place this water in appropriate containers of the client's choice or bring new DOT 17 E drums to the site which are appropriate for the containment of the effluent materials. The determination of how to properly dispose of the effluent water must usually await the results of laboratory analyses of the sample collected from the groundwater well. If that sample does not establish whether or not the effluent water is contaminated, or if effluent from more than one source has been combined in the same container, it may be necessary to conduct additional analyses on the effluent material.

Observations and Measurements

Included in the scope of work are routine measurements and investigative procedures which are intended to determine if the wells are suitable for evacuation and sampling. These include measurement (from the top of the well case) of the total depth of the well; the depth to water, and the thickness of any free product zone (FPZ) encountered. The presence of a significant free product zone may interfere with efforts to collect a water sample that accurately reflects the condition of groundwater lying below the FPZ. This interference is caused by adhesion of petroleum to any device being lowered through the FPZ and the likelihood that minute globules of petroleum may break free of the sampling device and be included in the sample. Accordingly, evaluation of analytical results from wells containing any amount of free petroleum should take into account the possibility that positive results have been skewed higher by such an inclusion. The decision to sample or not sample such wells is left to the discretion of our field personnel at the site and the consultant who establishes sampling guidelines based on the need for current information on groundwater conditions at the site.

Sampling Methodology

Samples were obtained by standardized sampling procedures that follow an evacuation and sample collection protocol. The sampling methodology conforms with State and Regional Water Quality Control Board standards and specifically adheres to EPA requirements for apparatus, sample containers and sample handling as specified in publication SW 846.

Sample Containers

Sample material is collected in specially prepared containers appropriate to the type of analyses intended. Our firm uses new sample containers of the type specified by either EPA or the RWQCB. Often times analytical laboratories wish to supply the sample containers because checks performed on these bottles are often part of a comprehensive laboratory QC program. In cases where the laboratory does not supply sample containers our personnel collect water samples in containers that are appropriate to the type of analytical procedure that the sample is to receive. For example, 40 ml volatile organic analysis vials (VOAs) are used when analysis for gasoline and similar light volatile compounds is intended. These containers are prepared according to EPA SW 846 and will usually contain a small amount of preservative when the analysis is for TPH as gasoline or EPA 602. Vials intended for EPA 601 analysis and EPA 624 GCMS procedures are not preserved. The closure of volatile organic analysis water sample containers is accomplished with an open headed (syringe accessible) plastic screw cap brought down on top of a Teflon faced septum which is used to seal the sample without headspace.

Water samples intended for semivolatile and nonvolatile analysis such as total oil and grease (TOG) and diesel (TPH HBF) are collected and transported in properly prepared new glass liter bottles. Dark amber glass is used in the manufacture of these bottles to reduce any adverse effect on the sample by sunlight. Antimicrobial preservative may be added to the sample liquid if a prolonged holding time is expected prior to analysis. Closure is accomplished with a heavy plastic screw cap.

Groundwater well samples intended for metals analysis are transported in new plastic bottles and preserved with nitric acid. Our personnel can field filter the sample liquid prior to placing it in the sample container if instructed to perform this procedure.

Sample Handling Procedures

Water samples are collected in any of several appropriate devices such as bailers, Coliwasas, Middleburg sampling pumps etc. which are described in detail only as warranted by their employment at a given site. Sample liquid is decanted into new sample containers in a manner which reduces the loss of volatile constituents and follows the applicable EPA procedures for handling volatile organic and semi-volatile compounds. Only two variations from the EPA methods are generally employed. First, preservative is added to the sample container prior to addition of the sample liquid. We first discovered this method in bottles prepared by Stoner Laboratories in 1982. It was subsequently adopted by many northern California laboratories and environmental consulting firms as a practical means of reducing the time that a liquid is allowed to aerate prior to closure of the sampling container. Second, because tests have shown that the preservative readily mixes with sample liquid, glass stirring rods are not used to agitate the sample/preservative mixture.

Groundwater sample that are to receive metals analyses can be filtered prior to being placed in the plastic sample bottles that contain the nitric acid preservative. The filtration process employs new glass containers which are discarded and laboratory quality disposable filtering containers which are also discarded. A frequently used filtering procedure employs a vacuum pump to draw sample material through a 0.45 micron filter. The 0.45 micron pore size is standard, but the amount of filter available varies with the type off package selected. Filters are selected on the basis of the relative turbidity of the water sample. Samples which are relatively clean can be efficiently filtered with relatively inexpensive filters while very turbid water will require a very large filter with a high tolerance for sediments. One of many such filters our firm uses are the Nalgene Type A filters in which an upper and lower receptacle chamber are affixed to the filter. Sample material is poured into the upper chamber and a vacuum pump attached to the lower chamber. Simple actuation of the vacuum pump induces the flow of water through the filter and into the lower chamber. The sample is then decanted into the laboratory container and the filter assembly discarded.

Following collection, samples are promptly placed in a ice chest containing prefrozen blocks of and inert ice substitute such a Blue Ice or Super Ice. The samples are maintained in either an ice chest or a refrigerator until delivered into the custody of the laboratory.

Sample Designations

All sample containers are identified with both a sampling event number and a discrete sample identification number. Please note that the sampling event number is the number that appears on our chain of custody. It is roughly equivalent to a job number, but applies only to work done on a particular day of the year rather than spanning several days as jobs and projects often do.

Chain of Custody

Samples are continuously maintained in an appropriate cooled container while in our custody and until delivered to the laboratory under our standard chain of custody. If the samples are taken charge of by a different party (such as another person from our office, a courier, etc.) prior to being delivered to the laboratory, appropriate release and acceptance records are made on the chain of custody (time, date, and signature of person releasing the samples followed by the time, date and signature of the person accepting custody of the samples).

Hazardous Materials Testing Laboratory

After completion of the field work, the sample containers were delivered to Chromalab, Inc. in San Ramon, California. Chromalab, Inc. is certified by the California Department of Health Services as a Hazardous Materials Testing Laboratory and is listed as DOHS HMTL #238.

Laboratory Identification Numbers

Following receipt of the samples and completion of the Chain of Custody form, the laboratory then assigns their own identification numbers to the samples. Different laboratories use different numbering systems and, according to their own internal conventions, may or may not assign sequential numbers to samples which are placed on temporary "hold", pending the results of other analyses. Laboratory identification numbers (if assigned and available) are included in our report. These are the number that appear on the certified analytical report by the analytical laboratory.

Certified Analytical Report

The certified analytical report (CAR) generated by the laboratory is the official document in which they issue their findings. Any discrepancy between verbally communicated results and the analytical values issued in a certified analytical report should be decided in favor of the CAR, for while it may, itself, be in error with regard to a particular number, the CAR remains the recognized authoritative legal document until such time as it is amended with a corrected report.

Personnel

All Blaine Tech Services, Inc. personnel receive 29 CFR 1910.1020 training as soon after being hired as is practical. In addition, many of our personnel have additional certifications that include specialized training in level B supplied air apparatus and the supervision of employees working on hazardous materials sites. Employees are not sent to a site unless we are confident they can adhere to any site safety provisions in force at the site and unless we know that they can follow the written provisions of an SSP and the verbal directions of an SSO.

In general, employees sent to a site to perform groundwater well sampling will assume an OSHA level D (wet) environment exists unless otherwise informed. The use of gloves and double glove protocols protects both our employees and the integrity of the samples being collected. Additional protective gear and procedures for higher OSHA levels of protection are available.

Decontamination

All apparatus is brought to the site in clean and serviceable condition. The equipment is decontaminated after each use and before leaving the site. Decontamination procedures include complete disassembly of the device to a point where a jet of steam cleaner water can be directed onto all the internal surfaces (this applies to the *inside* of the Teflon bladders of USGS/Middleburg pumps). Teflon conductor tubing is connected to the steam cleaner water outlet and water is run through the interior of the tubing for several minutes. The devices are then reassembled and actuated for a period of time as an additional measure. Blaine Tech Services, Inc. frequently modifies apparatus to allow complete disassembly and proper cleaning.

Please call if we can be of any further assistance.

Richard C. Blaine

RCB/skt

attachments: chain of custody

BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

CHAIN OF CUSTODY 930616 A1

CLIENT CH2M HILL / B. BAUMGARTNER

SITE DEL MONTE Pt. 35
1250 PARK AVE.
EMERYVILLE, CALIF.

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT:

LAB Chroma Lab DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS
- 1 WEEK T.A.T
- LEVEL II QA/QC DATA PACKAGE

SAMPLE I.D.	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL		C	VOCs (EPA 8240)	TPH - GAS (EPA 8015 mod)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TRIP BLANK	W	3	VOAS		/		HELD FOR	minimum of 14 Days		
SPD		3			/		HELD FOR	minimum of 14 Days		
MW1		3			/					
MW2		3			/					
MW3		3			/					
MW4		3			/					
MW6		6			/	/				
MW7		6			/	/				
MW9		3			/					
MW10	W	3			/					

SAMPLING COMPLETED DATE 6/16/93 TIME 1730
SAMPLING PERFORMED BY Jeff Curtis

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Jeff Curtis	6/16/93	1720	BTS FRIDGE	6/16/93	1900
from BTS fridge	6/17/93	1328		6/17/93	1328

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

CHAIN OF CUSTODY 930616A1

CLIENT CH2M HILL (B. Baumgartner)

SITE Del Monte Pl. 35
1250 PARK AVE
EMERYVILLE, CALIF.

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT

LAB Chroma CAB DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

☐ EPA ☐ RWQCB REGION ____
☐ LIA
☐ OTHER

SPECIAL INSTRUCTIONS
- 1 WEEK T.A.T.
- LEVEL II QA/QC DATA PACKAGE

SAMPLE I.D.	MATRIX (S = SOIL, W = H2O)	CONTAINERS TOTAL		C	VOCs (EPA 8240)	ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW11	W	3	VOAs		✓				
EXT	W	3	VOAs		✓				
Equip Blank	W	3	VOAs		✓				

SAMPLING COMPLETED DATE 6/16/93 TIME 1730

SAMPLING PERFORMED BY J.M. Curtis

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
J.M. Curtis	6/16/93	1900	BTS FRIDGE	6/16/93	1900
[illegible] from BTS	6/17/93	1328		6/17/93	1328

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

July 1, 1993

BLAINE TECH SERVICES, INC. File number: 9306224

Attention: B. Baumgartner

Project Name: DEL MONTE PL. 35 Project No: 930616A1

REPORTING INFORMATION

Sample was received preserved and in good condition on **June 17, 1993,** refrigerated on receipt, and analyzed on the date shown on the attached report. The EPA methodology or equivalent methods followed are listed in the enclosed analytical schedule.

No discrepancies were observed or difficulties encountered with the analysis.

Jill Thomas
Quality Assurance Officer

Eric Tam
Laboratory Director

2239 Omega Road,#1 • San Ramon, California 94583
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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File No.: 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

RE: Two water samples for Gasoline analysis

Project Name: DEL MONTE PL. 35
Project Number: 930616A1
Date Sampled: June 16, 1993 Date Submitted: June 17, 1993
Date Analyzed: June 23, 1993

RESULTS:

Sample I.D.	Gasoline (µg/L)
MW 6	N.D.
MW 7	250
BLANK	N.D.
SPIKE RECOVERY	89%
DETECTION LIMIT	50
METHOD OF ANALYSIS	5030/8015

ChromaLab, Inc.

Billy Thach
Analytical Chemist

Eric Tam
Laboratory Director

do

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

GAS/BTEX REPORT-QUALITY CONTROL

Date: June 25, 1993
Client: BLAINE TECH SERVICES, INC.
Project Name: DEL MONTE PL. 35

File Number: 9306224
Method: Gas/BTEX
Method Number: EPA 8015/602
Matrix: Water

BLANK RESULT

Compound Name	Result	Reporting Limits
GASOLINE	N.D.	50.0 µg/L
BENZENE	N.D.	0.5 µg/L
TOLUENE	N.D.	0.5 µg/L
ETHYL BENZENE	N.D.	0.5 µg/L
TOTAL XYLENES	N.D.	0.5 µg/L

2239 Omega Road,#1 • San Ramon, California 94583
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Federal ID #68-0140157

Date: June 25, 1993
Client: BLAINE TECH SERVICES, INC.
Project Name: DEL MONTE PL. 35

File Number: 9306224
Method: Gas/BTEX
Method Number: EPA 8015/602
Matrix: Water

MS/MSD SAMPLE SPIKED: MW-6

PARAMETER	UNITS	SAMPLE RESULT	SPIKE CONC	SPIKED SAMPLE RESULT	% REC	DUP SPIKE RESULT	DUP % REC	CONTROL LIMITS	RPD %	RPD LIMIT %
Gasoline	µg/L	----	--	----	---	----	---	80/118	----	----
Benzene	µg/L	N.D.	8	7.40	92.5	7.24	90.5	80/127	2.2	20
Toluene	µg/L	N.D.	8	7.17	89.6	7.14	89.3	81/122	0.4	20
Ethyl benzene	µg/L	N.D.	8	7.53	94.1	7.42	92.8	81/119	1.5	20
Total xylenes	µg/L	N.D.	24	22.3	92.9	21.3	88.8	83/118	4.6	20

BLANK SPIKE

PARAMETER	UNITS	BLANK RESULT	SPIKE CONC	SPIKED SAMPLE RESULT	% REC
Gasoline	µg/L	ND	1005.6	890.86	88.9
Benzene	µg/L	ND	8	7.45	93.1
Toluene	µg/L	ND	8	7.69	96.1
Ethyl benzene	µg/L	ND	8	7.77	97.1
Total xylenes	µg/L	ND	24	23.0	95.8

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

CHROMALAB, INC.
Environmental Laboratory (1094)

5 DAYS TURNAROUND

GAS/BTEX REPORT-QUALITY CONTROL

Date: June 25, 1993 File number: 9306224
Client: BLAINE TECH SERVICES, INC. Method: Gas/BTEX
Project Name: DEL MONTE PL. 35 Method number: EPA 8015/602
Matrix: Water

SURROGATE RECOVERIES

SAMPLE	TRIFLUOROTOLUENE %
Blank	99.6
Blank Spike	102
MW-6	100
MW-6 MS	92.0
MW-6 MSD	89.6
MW-7	97.0

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: MW1

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
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.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	N.D.	96% 96%
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	N.D.	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: MW2

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
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.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	N.D.	96% 96%
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	9.1	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: MW3

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
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.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	N.D.	96% 96%
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	N.D.	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: MW4

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
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.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	2.0	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	8.7	96% 96%
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	N.D.	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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
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Eric Tam
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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: MW6

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
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.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	N.D.	96% 96%
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	N.D.	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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

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Federal ID #68-0140157

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

BLAINE TECH SERVICES, INC.

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: MW7

ChromaLab File # 9306224
Submission #: 9306000224
Attn: B. Baumgartner

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
Dilution Factor: None

COMPOUND NAME	µg/L	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	2.7	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	5.0	---
1,2-DICHLOROETHENE (CIS)	40	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	25	96% 96%
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	19	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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
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Eric Tam
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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: MW9

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
Dilution Factor: None

COMPOUND NAME	µg/L	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	6.8	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	3.5	---
1,2-DICHLOROETHENE (CIS)	38	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	4.9	---
1,1,1-TRICHLOROETHANE	3.0	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	12	96% 96%
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	27	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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.	---

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: MW10

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
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.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	3.2	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	2.7	96% 96%
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	4.7	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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.	---

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: MW11

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
Dilution Factor: None

COMPOUND NAME	µg/L	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	7.0	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	3.5	---
1,2-DICHLOROETHENE (CIS)	38	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	2.0	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	6.3	---
BENZENE	N.D.	---
TRICHLOROETHENE	230	96% 96%
1,2-DICHLOROPROPANE	7.2	---
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	20	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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.	---

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CHROMALAB, INC.

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5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: SPD

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
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.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	5.0	---
1,2-DICHLOROETHENE (CIS)	57	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	102	96% 96%
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	24	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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.	---

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: EQUIP BLANK

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
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.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	N.D.	96% 96%
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	N.D.	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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.	---

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: TRIP BLANK

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
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.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	N.D.	---
1,2-DICHLOROETHENE (CIS)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	N.D.	96% 96%
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	N.D.	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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.	---

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CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: EXT

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
Dilution Factor: None

COMPOUND NAME	µg/L	Spike Recovery
CHLOROMETHANE	N.D.	---
VINYL CHLORIDE	1.4	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	5.8	---
1,2-DICHLOROETHENE (CIS)	61	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	86	96% 96%
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	31	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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.	---

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5 DAYS TURNAROUND

VOLATILE ORGANICS REPORT-QUALITY CONTROL

Date: July 1, 1993 File No: 9306224
Client: BLAINE TECH SERVICES, INC. Method: Volatile Organics
Project Name: DEL MONTE PL. 35 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
[illegible]	[illegible]	[illegible]
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
1,2-DICHLOROETHANE	N.D.	2.0
BENZENE	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.	20.0
METHYL ETHYL KETONE	N.D.	2.0
METHYL ISOBUTYL KETONE	N.D.	2.0

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Date: July 1, 1993
Client: BLAINE TECH SERVICES, INC.
Project Name: DEL MONTE PL. 35

File number: 9306224
Method: Volatile Organics
Method number: EPA 624
Matrix: Water

MS/MSD SAMPLE SPIKED: SPD

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	16.0	80.1	15.7	78.3	56/118	1.0	20
Trichloroethene	µg/L	102	20	121.1	95.6	121.3	96.3	60/129	0.7	20
Tetrachloroethene	µg/L	24	20	45.0	105	44.2	101	60/127	3.8	20
1,1,2,2-Tetrachloroethane	µg/L	N.D.	20	17.2	86.2	17.0	84.8	60/136	1.6	20

BLANK SPIKE

PARAMETER	UNITS	BLANK RESULT	SPIKE CONC	SPIKED SAMPLE RESULT	% REC
1,1-Dichloroethene	µg/L	ND	20	16.8	84.2
Trichloroethene	µg/L	ND	20	21.0	105
Tetrachloroethene	µg/L	ND	20	21.4	107
1,1,2,2-Tetrachloroethane	µg/L	ND	20	17.0	84.8

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

CHROMALAB, INC.
Environmental Laboratory (1094)

5 DAYS TURNAROUND

VOLATILE ORGANICS REPORT-QUALITY CONTROL

Date: July 1, 1993
Client: BLAINE TECH SERVICES, INC.
Project Name: DEL MONTE PL. 35

File number: 9306224
Method: Volatile Organics
Method number: EPA 624
Matrix: Water

SURROGATE RECOVERIES

SAMPLE	D4-1,2 Dichloroethane %	D8-Toluene %	Bromofluorobenzene %
Blank Spike	96	105	110
Blank	134	97	105
SPD	132	98	106
SPD MS	97	102	109
SPD MSD	96	100	104
MW1	123	93	107
EXT	132	100	103
EQUIP BLANK	135	100	106
MW11	132	100	100
MW10	126	99	107
MW9	131	100	99
MW7	128	104	103
MW6	128	97	101
MW4	130	96	106
MW3	130	99	104
MW2	128	95	106
TRIP BLANK	130	99	108

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

BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

CONDUCT ANALYSIS TO DETECT

LAB Chroma Lab DHS #

CIFICATIONS AND DETECTION LIMITS

RWQCB REGION

SUBM #: 9306000224
CLIENT: BLANTECH
DUE: 06/24/93
REF: 12141

CHAIN OF CUSTODY 930616 A1

CLIENT CH2M HILL / B. BAUMGARTNER

SITE DEL MONTE PL. 35
1250 PARK AVE.
EMERYVILLE, CALIF.

SPECIAL INSTRUCTIONS
- 1 WEEK T-A-T
- LEVEL II QA/QC DATA PACKAGE

SAMPLE I.D.	MATRIX S = SOIL W = H2O	CONTAINERS TOTAL		C = COMPOSITE ALL CONTAINERS	VOCs (EPA 8240)	TPH-GAS (EPA 8015 mod.)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
TRIP BLANK	W	3	VOAS		/								HELD FOR Minimum of 14 Days			
SPD		3			/								HELD FOR Minimum of 14 Days			
MW1		3			/											
MW2		3			/											
MW3		3			/											
MW4		3			/											
MW6		6			/	/										
MW7		6			/	/										
MW9		3			/											
MW10		3			/											

SAMPLING COMPLETED	DATE	TIME
	6-16-93	1735

SAMPLING PERFORMED BY J. K. Curtis

RESULTS NEEDED NO LATER THAN

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
J. K. Curtis	6-16-93	1900	BTS FRIDGE	6-16-93	1900
Dan Callahan from BTS fridge	6-17-93	1328		6-17-93	1328

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

CONDUCT ANALYSIS TO DETECT: 9306000224

LAB: Chromalab | DHS #

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
- ☐ EPA
- ☐ LIA
- ☐ OTHER
- ☐ RWQCB REGION

CHAIN OF CUSTODY: 930616A1

CLIENT: CH2M HILL / B. Baumgartner

SITE: Del Monte Pl. 35
1250 Park Ave.
Emeryville, Calif.

SPECIAL INSTRUCTIONS
- 1 WEEK T.A.T.
- LEVEL II QA/QC DATA PACKAGE

SAMPLE I.D.	MATRIX (S = SOIL, W = H2O)	CONTAINERS TOTAL	CONTAINERS	C = COMPOSITE ALL CONTAINERS	VOCs (EPA 8240)							ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #
MW 11	W	3	VOAs		✓										
EXT	W	3	VOAs		✓										
EQUIP BLANK	W	3	VOAs		✓										

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN
	6/16/93	1730	Jeff [signature]	

RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Jeff [signature]	6.16.93	1900	BTS FRIDGE	6.16.93	1900
[signature] from BTS fridge	6.17.93	1328	B. [signature]	6.17.93	1328

SHIPPED VIA	DATE SENT	TIME SENT	COOLER #

ATTACHMENT B

GET System Laboratory Reports

B C Analytical

1255 Powell Street
Emeryville, CA 94608
510/428-2300
Fax: 510/547-3643

ANALYTICAL REPORT

LOG NO: E93-05-048

Received: 04 MAY 93
Mailed : 13 MAY 93

Mr. Peter Schoen
Decon Environmental Services, Inc.
23490 Connecticut Street
Hayward, California 94545

Purchase Order: 29911

Project: 943.DELMONTE.PLANT35

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-048-1	SP-A	04 MAY 93
05-048-2	SP-B	04 MAY 93
05-048-3	SP-D	04 MAY 93

PARAMETER	05-048-1	05-048-2	05-048-3
Aromatic Hydrocarbons			
Date Analyzed	05.05.93	05.05.93	05.05.93
Dilution Factor, Times	1	1	1
Benzene, ug/L	<0.5	<0.5	<0.5
Ethylbenzene, ug/L	<0.5	<0.5	<0.5
Toluene, ug/L	<0.5	<0.5	<0.5
Total Xylene Isomers, ug/L	<0.5	<0.5	<0.5

BCA

B C Analytical

1255 Powell Street
Emeryville, CA 94608
510/428-2300
Fax: 510/547-3643

LOG NO: E93-05-048

Received: 04 MAY 93
Mailed : 13 MAY 93

Mr. Peter Schoen
Decon Environmental Services, Inc.
23490 Connecticut Street
Hayward, California 94545

Purchase Order: 29911

Project: 943.DELMONTE.PLANT35

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-048-1	SP-A	04 MAY 93
05-048-2	SP-B	04 MAY 93
05-048-3	SP-D	04 MAY 93

PARAMETER	05-048-1	05-048-2	05-048-3
Halocarbons (EPA 601)			
Date Analyzed	05.07.93	05.07.93	05.07.93
Confirmation Date	05.07.93	05.07.93	05.07.93
Dilution Factor, Times	1	1	1
1,1,1-Trichloroethane, ug/L	<0.5	<0.5	<0.5
1,1,2,2-Tetrachloroethane, ug/L	<0.5	<0.5	<0.5
1,1,2-Trichloroethane, ug/L	<0.5	<0.5	<0.5
1,1-Dichloroethane, ug/L	<0.5	<0.5	<0.5
1,1-Dichloroethene, ug/L	<0.5	<0.5	<0.5
1,2-Dichloroethane, ug/L	<0.5	<0.5	<0.5
1,2-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5
1,2-Dichloroethene (Total), ug/L	5.1	39	29
1,2-Dichloropropane, ug/L	<0.5	<0.5	<0.5
1,3-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5
1,4-Dichlorobenzene, ug/L	<0.5	<0.5	<0.5
2-Chloroethylvinylether, ug/L	<0.5	<0.5	<0.5
Bromodichloromethane, ug/L	<0.5	<0.5	<0.5
Bromomethane, ug/L	<0.5	<0.5	<0.5
Bromoform, ug/L	<0.5	<0.5	<0.5
Chlorobenzene, ug/L	<0.5	<0.5	<0.5
Carbon Tetrachloride, ug/L	<0.5	<0.5	<0.5
Chloroethane, ug/L	<0.5	<0.5	<0.5
Chloroform, ug/L	<0.5	<0.5	<0.5
Chloromethane, ug/L	<0.5	<0.5	<0.5
Dibromochloromethane, ug/L	<0.5	<0.5	<0.5

BCA

B C Analytical

1255 Powell Street
Emeryville, CA 94608
510/428-2300
Fax: 510/547-3643

LOG NO: E93-05-048

Received: 04 MAY 93
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Decon Environmental Services, Inc.
23490 Connecticut Street
Hayward, California 94545

Purchase Order: 29911

Project: 943.DELMONTE.PLANT35

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, AQUEOUS SAMPLES	DATE SAMPLED
05-048-1	SP-A	04 MAY 93
05-048-2	SP-B	04 MAY 93
05-048-3	SP-D	04 MAY 93

PARAMETER	05-048-1	05-048-2	05-048-3
Dichlorodifluoromethane, ug/L	<0.5	<0.5	<0.5
Freon 113, ug/L	<1	<1	<1
Methylene chloride, ug/L	<0.5	<0.5	<0.5
Trichloroethene, ug/L	<0.5	16	89
Trichlorofluoromethane, ug/L	<0.5	<0.5	<0.5
Tetrachloroethene, ug/L	<0.5	<0.5	14
Vinyl chloride, ug/L	<0.5	<0.5	<0.5
cis-1,2-Dichloroethene, ug/L	5.1	99	23
cis-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5
trans-1,2-Dichloroethene, ug/L	<0.5	1.2	1.6
trans-1,3-Dichloropropene, ug/L	<0.5	<0.5	<0.5

Judy Chiang for
Edward Wilson, Laboratory Director

BCA

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

June 24, 1993

ChromaLab File # 9306224
Submission #: 9306000224

BLAINE TECH SERVICES, INC.

Attn: B. Baumgartner

Project Name: DEL MONTE PL. 35
Date Sampled: June 16, 1993
Date Submitted: June 17, 1993
Date of Analysis: June 23, 1993
Sample I.D.: SPD

Project No: 930616A1
Method of Analysis: EPA 624
Matrix: Water
Reporting Limit: 2.0 µg/L
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.	80% 78%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TRANS)	5.0	---
1,2-DICHLOROETHENE (CIS)	57	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	---
1,2-DICHLOROETHANE	N.D.	---
BENZENE	N.D.	---
TRICHLOROETHENE	102	96% 96%
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	24	105% 101%
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	---
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	86% 85%
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

dt

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

Engineers
Planners
Economists
Scientists

June 16, 1993

LRD34817.XY

Mr. Peter Schoen
Decon Environmental Services
23490 Connecticut Street
Hayward, CA 94545

RE: Analytical Data for Del Monte Plant 35, LRD Lab Reference No. 35980

Dear Mr. Schoen:

On June 4, 1993, the CH2M HILL Redding Laboratory (LRD) received three samples with a request for analysis of selected organic parameters.

The analytical results and associated quality control data are enclosed. Any unusual difficulties encountered during the analyses of this sample are discussed in the case narratives.

Under CH2M HILL policy, your samples will be stored for up to 30 days after reporting. If you have not given us prior instructions for disposal, we will contact you if any samples require disposal as hazardous waste.

CH2M HILL Laboratories appreciate your business and look forward to serving your analytical needs again. If you should have any questions concerning the data, or if you need additional information, please call our Client Services Representatives, Mr. Mark Cichy or Ms. Mary Paschke, at (916) 244-5227.

Sincerely,

Peggy A. Norton

Peggy A. Norton
Senior Data Package Specialist

Enclosures

cc: Bern Baumgartner/SFO

CH2M HILL Quality Analytical Laboratory

5090 Caterpillar Road, Redding,
California 96003-1412

916.244.5227
FAX 916.244.4109

TABLE OF CONTENTS

CH2M HILL Laboratory Reference No. 35980

CH2M HILL Quality Analytical Laboratory

5090 Caterpillar Road, Redding, California 96003-1412

916.244.5227
FAX 916.244.4109

ORGANIC DATA QUALIFIERS

U Indicates the compound was analyzed for, but not detected. The number adjacent to the "U" qualifier indicates the reporting limit for that compound. The reporting limit can vary from sample to sample depending on dilution factors or percent moisture adjustment when indicated.

J Indicates an estimated value. It is used when the data indicates the presence of a compound below the stated reporting limit.

C This flag applies to GC analytes only. The "C" flag indicates the presence of this compound has been confirmed by GC/MS analysis.

B This flag is used when the analyte is found in the associated blank, as well as the sample. This notation indicates possible blank contamination and suggests the data user evaluate these compounds and their amounts carefully.

E This qualifier indicates that the value reported exceeds the linear calibration range for that compound. Therefore, the sample should be reanalyzed at an appropriate dilution. The "E" qualified amount is an estimated concentration, and the results of the dilution will be reported on a separate Form I.

D This qualifier indicates compounds which have been identified during a diluted reanalysis. "D" qualifiers are used for samples that have been analyzed initially at a lesser dilution than required for accurate quantification.

CH2M HILL Quality Analytical Laboratory *5090 Caterpillar Road, Redding, California 96003-1412* *916.244.5227 FAX 916.244.4109*

SAMPLE ID QUALIFIERS

The qualifiers that may be appended to the sample ID for organic analyses are defined below:

DL -- Dilution Run. Indicates the sample contained compounds exceeding the calibration range. The sample was diluted and reanalyzed. Both results are reported.

R -- Rerun. The sample was reanalyzed. The "R" is not used if the sample was also re-extracted.

RX -- Re-extraction Analysis. The sample was re-extracted and reanalyzed.

RD -- Diluted Rerun. The sample was re-extracted and a dilution was also required.

MS -- Matrix Spike (may be followed by a digit to indicate multiple matrix spikes within a sample set)

MSD -- Matrix Spike Duplicate (may be followed by a digit to indicate multiple matrix spike duplicates within a sample set)

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

CLIENT SAMPLE CROSS-REFERENCE

CH2M HILL Laboratory Reference No. 35980

Client Sample ID	LRD Lab Sample ID
SP-A	35980001
SP-B	35980002
SP-D	35980003

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

CASE NARRATIVE FOR HALOCARBONS

LABORATORY :	CH2M HILL LABORATORIES	**CLIENT** :	DECON ENVIRONMENTAL Del Monte Plant 35
CASE NO. :	N/A	**CONTRACT NO.**:	N/A
LAB REF. NO.:	35980	**SDG NO.** :	N/A

I. RECEIPT

A. Date: June 4, 1993

B. Sample Information:

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLE MATRIX	DATE SAMPLED	EXTRACTION DATE	ANALYSIS DATE
35980001	SP-A	WATER	06/02/93	N/A	06/09/93
35980002	SP-B	WATER	06/02/93	N/A	06/09/93
35980003	SP-D	WATER	06/02/93	N/A	06/09/93
35980003-DL	SP-D_DL	WATER	06/02/93	N/A	06/10/93
WBLK1-6/09	METHOD BLANK	WATER	N/A	N/A	06/09/93
WBLK1-6/10	METHOD BLANK	WATER	N/A	N/A	06/10/93

C. Documentation Exceptions : No exceptions were encountered.

II. EXTRACTION

A. Holding Times: Medium level protocol was not performed; therefore, holding time is not applicable.

B. Extraction Exceptions : Not applicable.

III. ANALYSIS

A. Holding Times: Holding times were met.

B. Analytical Exceptions : Due to the concentration of target analytes, sample 35980003 was re-analyzed on a diluted basis in order to obtain a detector response within the linear calibration range of the instrument. The results of both analyses are included for your information. Reporting limits have been adjusted accordingly.

IV. QUALITY CONTROL

A. Method Blank : The associated method blanks met acceptable QC criteria.

CH2M HILL Quality Analytical Laboratory

5090 Caterpillar Road, Redding, California 96003-1412

916.244.5227
FAX 916.244.4109

B

B. Surrogate Recoveries : All met acceptable QC limits.

V. I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Brian Geers 6-16-93

Brian Geers Date
Manager, Organics Division

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

Client:	DECON ENVIRONMENTAL	Laboratory:	CH2M Hill/LRD	Date Sampled:	06/02/93
Project:	N/A	Lab Sample ID:	35980001	Date Received:	06/04/93
Proj No:	N/A	% Moisture:	100.0	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	06/09/93
Matrix:	WATER	Instrument ID:	GC-3600	Analyst:	C.D.
Sampler:	PETER SCHOEN			Date Reported:	06/16/93

Client Sample ID/Description: SP-A

CAS Number	Compound	Reporting Limit	Sample Result		Reporting Units
74-87-3	Chloromethane	1.0	U		ug/L
74-83-9	Bromomethane	1.0	U		ug/L
75-71-8	Dichlorodifluoromethane	1.0	U		ug/L
75-01-4	Vinyl chloride	1.0	U		ug/L
75-00-3	Chloroethane	1.0	U		ug/L
75-09-2	Dichloromethane	5.0	U		ug/L
75-69-4	Trichlorofluoromethane	1.0	U		ug/L
75-35-4	1,1-Dichloroethene	1.0	U		ug/L
75-34-3	1,1-Dichloroethane	1.0	U		ug/L
156-60-5	trans-1,2-Dichloroethene	1.0	U		ug/L
67-66-3	Chloroform	1.0	U		ug/L
107-06-2	1,2-Dichloroethane	1.0	U		ug/L
71-55-6	1,1,1-Trichloroethane	1.0	U		ug/L
56-23-5	Carbon tetrachloride	1.0	U		ug/L
75-27-4	Bromodichloromethane	1.0	U		ug/L
78-87-5	1,2-Dichloropropane	1.0	U		ug/L
10061-01-5	cis-1,3-Dichloropropene	1.0	U		ug/L
79-01-6	Trichloroethene	1.0	U		ug/L
124-48-1	Dibromochloromethane	1.0	U		ug/L
79-00-5	1,1,2-Trichloroethane	1.0	U		ug/L
10061-02-6	trans-1,3-Dichloropropene	1.0	U		ug/L
75-25-2	Bromoform	1.0	U		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		ug/L
127-18-4	Tetrachloroethene	1.0	U		ug/L
108-90-7	Chlorobenzene	1.0	U		ug/L
541-73-1	1,3-Dichlorobenzene	1.0	U		ug/L
95-50-1	1,2-Dichlorobenzene	1.0	U		ug/L
106-46-7	1,4-Dichlorobenzene	1.0	U		ug/L
110-56-5	1,4-Dichlorobutane-SS		89		% rec

U = Compound analyzed for but not detected above reporting limit.
SS = Surrogate Standard reported as percent recovery.

Comments:

Reviewed by: Brian Glenn

FORM I

kdh.001

000003

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

Client:	DECON ENVIRONMENTAL	Laboratory:	CH2M Hill/LRD	Date Sampled:	06/02/93
Project:	N/A	Lab Sample ID:	35980002	Date Received:	06/04/93
Proj No:	N/A	% Moisture:	100.0	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	06/09/93
Matrix:	WATER	Instrument ID:	GC-3600	Analyst:	C.O.
Sampler:	PETER SCHOEN			Date Reported:	06/16/93

Client Sample ID/Description: SP-B

CAS Number	Compound	Reporting Limit	Sample Result		Reporting Units
74-87-3	Chloromethane	1.0	U		ug/L
74-83-9	Bromomethane	1.0	U		ug/L
75-71-8	Dichlorodifluoromethane	1.0	U		ug/L
75-01-4	Vinyl chloride	1.0	U		ug/L
75-00-3	Chloroethane	1.0	U		ug/L
75-09-2	Dichloromethane	5.0	U		ug/L
75-69-4	Trichlorofluoromethane	1.0	U		ug/L
75-35-4	1,1-Dichloroethene	1.0	U		ug/L
75-34-3	1,1-Dichloroethane	1.0	U		ug/L
156-60-5	trans-1,2-Dichloroethene	1.0	U		ug/L
67-66-3	Chloroform	1.0	U		ug/L
107-06-2	1,2-Dichloroethane	1.0	U		ug/L
71-55-6	1,1,1-Trichloroethane	1.0	U		ug/L
56-23-5	Carbon tetrachloride	1.0	U		ug/L
75-27-4	Bromodichloromethane	1.0	U		ug/L
78-87-5	1,2-Dichloropropane	1.0	U		ug/L
10061-01-5	cis-1,3-Dichloropropene	1.0	U		ug/L
79-01-6	Trichloroethene	1.0	5.5		ug/L
124-48-1	Dibromochloromethane	1.0	U		ug/L
79-00-5	1,1,2-Trichloroethane	1.0	U		ug/L
10061-02-6	trans-1,3-Dichloropropene	1.0	U		ug/L
75-25-2	Bromoform	1.0	U		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		ug/L
127-18-4	Tetrachloroethene	1.0	U		ug/L
108-90-7	Chlorobenzene	1.0	U		ug/L
541-73-1	1,3-Dichlorobenzene	1.0	U		ug/L
95-50-1	1,2-Dichlorobenzene	1.0	U		ug/L
106-46-7	1,4-Dichlorobenzene	1.0	U		ug/L
110-56-5	1,4-Dichlorobutane-SS		90		% rec

U = Compound analyzed for but not detected above reporting limit.
SS = Surrogate Standard reported as percent recovery.

Comments:

Reviewed by: Brian [signature]

FORM I

kdh.001

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

Report of Analytical Data - Halocarbons

Client:	DECON ENVIRONMENTAL	Laboratory:	CH2M Hill/LRD	Date Sampled:	06/02/93
Project:	N/A	Lab Sample ID:	35980003	Date Received:	06/04/93
Proj No:	N/A	% Moisture:	100.0	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	06/09/93
Matrix:	WATER	Instrument ID:	GC-3600	Analyst:	C.D.
Sampler:	PETER SCHOEN			Date Reported:	06/16/93

Client Sample ID/Description: SP-D

CAS Number	Compound	Reporting Limit	Sample Result	Reporting Units
74-87-3	Chloromethane	1.0	U	ug/L
74-83-9	Bromomethane	1.0	U	ug/L
75-71-8	Dichlorodifluoromethane	1.0	U	ug/L
75-01-4	Vinyl chloride	1.0	U	ug/L
75-00-3	Chloroethane	1.0	U	ug/L
75-09-2	Dichloromethane	5.0	U	ug/L
75-69-4	Trichlorofluoromethane	1.0	U	ug/L
75-35-4	1,1-Dichloroethene	1.0	U	ug/L
75-34-3	1,1-Dichloroethane	1.0	U	ug/L
156-60-5	trans-1,2-Dichloroethene	1.0	1.2	ug/L
67-66-3	Chloroform	1.0	U	ug/L
107-06-2	1,2-Dichloroethane	1.0	U	ug/L
71-55-6	1,1,1-Trichloroethane	1.0	U	ug/L
56-23-5	Carbon tetrachloride	1.0	U	ug/L
75-27-4	Bromodichloromethane	1.0	U	ug/L
78-87-5	1,2-Dichloropropane	1.0	U	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.0	[redacted]	ug/L
79-01-6	[redacted]	1.0		ug/L
124-48-1	Dibromochloromethane	1.0	U	ug/L
79-00-5	1,1,2-Trichloroethane	1.0	U	ug/L
10061-02-6	trans-1,3-Dichloropropene	1.0	U	ug/L
75-25-2	Bromoform	1.0	U	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U	ug/L
127-18-4	[redacted]	1.0	[redacted]	ug/L
108-90-7	Chlorobenzene	1.0	U	ug/L
541-73-1	1,3-Dichlorobenzene	1.0	U	ug/L
95-50-1	1,2-Dichlorobenzene	1.0	U	ug/L
106-46-7	1,4-Dichlorobenzene	1.0	U	ug/L
110-56-5	1,4-Dichlorobutane-SS		95	% rec

U = Compound analyzed for but not detected above reporting limit.
SS = Surrogate Standard reported as percent recovery.

Comments:

Reviewed by: Brian Gore

FORM I

kdh.001

000005

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

Client:	DECON ENVIRONMENTAL	Laboratory:	CH2M Hill/LRD	Date Sampled:	06/02/93
Project:	N/A	Lab Sample ID:	35980003-DL	Date Received:	06/04/93
Proj No:	N/A	% Moisture:	100.0	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	2	Date Analyzed:	06/10/93
Matrix:	WATER	Instrument ID:	GC-3600	Analyst:	C.D.
Sampler:	PETER SCHOEN			Date Reported:	06/16/93

Client Sample ID/Description: SP-D_DL

CAS Number	Compound	Reporting Limit	Sample Result	Reporting Units
74-87-3	Chloromethane	2.0	U	ug/L
74-83-9	Bromomethane	2.0	U	ug/L
75-71-8	Dichlorodifluoromethane	2.0	U	ug/L
75-01-4	Vinyl chloride	2.0	U	ug/L
75-00-3	Chloroethane	2.0	U	ug/L
75-09-2	Dichloromethane	10.0	U	ug/L
75-69-4	Trichlorofluoromethane	2.0	U	ug/L
75-35-4	1,1-Dichloroethene	2.0	U	ug/L
75-34-3	1,1-Dichloroethane	2.0	U	ug/L
156-60-5	trans-1,2-Dichloroethene	2.0	U	ug/L
67-66-3	Chloroform	2.0	U	ug/L
107-06-2	1,2-Dichloroethane	2.0	U	ug/L
71-55-6	1,1,1-Trichloroethane	2.0	U	ug/L
56-23-5	Carbon tetrachloride	2.0	U	ug/L
75-27-4	Bromodichloromethane	2.0	U	ug/L
78-87-5	1,2-Dichloropropane	2.0	U	ug/L
10061-01-5	cis-1,3-Dichloropropene	2.0	U	ug/L
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
124-48-1	Dibromochloromethane	2.0	U	ug/L
79-00-5	1,1,2-Trichloroethane	2.0	U	ug/L
10061-02-6	trans-1,3-Dichloropropene	2.0	U	ug/L
75-25-2	Bromoform	2.0	U	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.0	U	ug/L
127-18-4	Tetrachloroethene	2.0	7.2	ug/L
108-90-7	Chlorobenzene	2.0	U	ug/L
541-73-1	1,3-Dichlorobenzene	2.0	U	ug/L
95-50-1	1,2-Dichlorobenzene	2.0	U	ug/L
106-46-7	1,4-Dichlorobenzene	2.0	U	ug/L
110-56-5	1,4-Dichlorobutane-SS		93	% rec

U = Compound analyzed for but not detected above reporting limit.
SS = Surrogate Standard reported as percent recovery.

Comments:

Reviewed by: Brian Gross

FORM 1

000096

kdh.001

CH2M HILL Quality Analytical Laboratory

5090 Caterpillar Road, Redding, California 96003-1412

916.244.5227
FAX 916.244.4109

Client: N/A
Project: N/A
Proj No: N/A
Method: EPA 601(MOD)
Matrix: WATER
Sampler: N/A

Laboratory: CH2M Hill/LRD
Lab Sample ID: WBLK1-6/09
% Moisture: 100.0
Dilution Factor: 1
Instrument ID: GC-3600

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 06/09/93
Analyst: C.D.
Date Reported: 06/16/93

Client Sample ID/Description: METHOD BLANK

CAS Number	Compound	Reporting Limit	Sample Result		Reporting Units
74-87-3	Chloromethane	1.0	U		ug/L
74-83-9	Bromomethane	1.0	U		ug/L
75-71-8	Dichlorodifluoromethane	1.0	U		ug/L
75-01-4	Vinyl chloride	1.0	U		ug/L
75-00-3	Chloroethane	1.0	U		ug/L
75-09-2	Dichloromethane	5.0	U		ug/L
75-69-4	Trichlorofluoromethane	1.0	U		ug/L
75-35-4	1,1-Dichloroethene	1.0	U		ug/L
75-34-3	1,1-Dichloroethane	1.0	U		ug/L
156-60-5	trans-1,2-Dichloroethene	1.0	U		ug/L
67-66-3	Chloroform	1.0	U		ug/L
107-06-2	1,2-Dichloroethane	1.0	U		ug/L
71-55-6	1,1,1-Trichloroethane	1.0	U		ug/L
56-23-5	Carbon tetrachloride	1.0	U		ug/L
75-27-4	Bromodichloromethane	1.0	U		ug/L
78-87-5	1,2-Dichloropropane	1.0	U		ug/L
10061-01-5	cis-1,3-Dichloropropene	1.0	U		ug/L
79-01-6	Trichloroethene	1.0	U		ug/L
124-48-1	Dibromochloromethane	1.0	U		ug/L
79-00-5	1,1,2-Trichloroethane	1.0	U		ug/L
10061-02-6	trans-1,3-Dichloropropene	1.0	U		ug/L
75-25-2	Bromoform	1.0	U		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		ug/L
127-18-4	Tetrachloroethene	1.0	U		ug/L
108-90-7	Chlorobenzene	1.0	U		ug/L
541-73-1	1,3-Dichlorobenzene	1.0	U		ug/L
95-50-1	1,2-Dichlorobenzene	1.0	U		ug/L
106-46-7	1,4-Dichlorobenzene	1.0	U		ug/L
110-56-5	1,4-Dichlorobutane-SS		90		% rec

U = Compound analyzed for but not detected above reporting limit.
SS = Surrogate Standard reported as percent recovery.

Comments:

Reviewed by: Brian Glass

FORM I

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

Client:	N/A	Laboratory:	CH2M Hill/LRD	Date Sampled:	N/A
Project:	N/A	Lab Sample ID:	WBLK1-6/10	Date Received:	N/A
Proj No:	N/A	% Moisture:	100.0	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	06/10/93
Matrix:	WATER	Instrument ID:	GC-3600	Analyst:	C.D.
Sampler:	N/A			Date Reported:	06/16/93

Client Sample ID/Description: METHOD BLANK

CAS Number	Compound	Reporting Limit	Sample Result		Reporting Units
74-87-3	Chloromethane	1.0	U		ug/L
74-83-9	Bromomethane	1.0	U		ug/L
75-71-8	Dichlorodifluoromethane	1.0	U		ug/L
75-01-4	Vinyl chloride	1.0	U		ug/L
75-00-3	Chloroethane	1.0	U		ug/L
75-09-2	Dichloromethane	5.0	U		ug/L
75-69-4	Trichlorofluoromethane	1.0	U		ug/L
75-35-4	1,1-Dichloroethene	1.0	U		ug/L
75-34-3	1,1-Dichloroethane	1.0	U		ug/L
156-60-5	trans-1,2-Dichloroethene	1.0	U		ug/L
67-66-3	Chloroform	1.0	U		ug/L
107-06-2	1,2-Dichloroethane	1.0	U		ug/L
71-55-6	1,1,1-Trichloroethane	1.0	U		ug/L
56-23-5	Carbon tetrachloride	1.0	U		ug/L
75-27-4	Bromodichloromethane	1.0	U		ug/L
78-87-5	1,2-Dichloropropane	1.0	U		ug/L
10061-01-5	cis-1,3-Dichloropropene	1.0	U		ug/L
79-01-6	Trichloroethene	1.0	U		ug/L
124-48-1	Dibromochloromethane	1.0	U		ug/L
79-00-5	1,1,2-Trichloroethane	1.0	U		ug/L
10061-02-6	trans-1,3-Dichloropropene	1.0	U		ug/L
75-25-2	Bromoform	1.0	U		ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.0	U		ug/L
127-18-4	Tetrachloroethene	1.0	U		ug/L
108-90-7	Chlorobenzene	1.0	U		ug/L
541-73-1	1,3-Dichlorobenzene	1.0	U		ug/L
95-50-1	1,2-Dichlorobenzene	1.0	U		ug/L
106-46-7	1,4-Dichlorobenzene	1.0	U		ug/L
110-56-5	1,4-Dichlorobutane-SS		83		% rec

U = Compound analyzed for but not detected above reporting limit.
SS = Surrogate Standard reported as percent recovery.

Comments:

Reviewed by: Brian Gass

FORM I

kdh.001

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

CASE NARRATIVE FOR
8020(MOD) - TBME & BTEX

LABORATORY :	CH2M HILL LABORATORIES	**CLIENT** :	DECON ENVIRONMENTAL Del Monte Plant 35
CASE NO. :	N/A	**CONTRACT NO.**:	N/A
LAB REF. NO.:	35980	**SDG NO.** :	N/A

I. RECEIPT

A. Date: June 4, 1993

B. Sample Information:

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLE MATRIX	DATE SAMPLED	EXTRACTION DATE	ANALYSIS DATE
35980001	SP-A	WATER	06/02/93	N/A	06/09/93
35980002	SP-B	WATER	06/02/93	N/A	06/09/93
35980002-R	SP-B_R	WATER	06/02/93	N/A	06/10/93
35980003	SP-D	WATER	06/02/93	N/A	06/09/93
35980003-R	SP-D_R	WATER	06/02/93	N/A	06/10/93
WBLK1-6/09	METHOD BLANK	WATER	N/A	N/A	06/09/93
WBLK1-6/10	METHOD BLANK	WATER	N/A	N/A	06/10/93

C. Documentation Exceptions : No exceptions were encountered.

II. EXTRACTION

A. Holding Times: Medium level protocol was not performed; therefore holding time is not applicable.

B. Extraction Exceptions : Not applicable.

III. ANALYSIS

A. Holding Times: Holding times were met.

B. Analytical Exceptions : Samples 35980002 (SP-A) and 35980003 (SP-D) were re-analyzed to verify surrogate recovery.

IV. QUALITY CONTROL

A. Method Blank : The associated method blank met acceptable QC criteria.

000009

CH2M HILL Quality Analytical Laboratory *5090 Caterpillar Road, Redding, California 96003-1412* *916.244.5227 FAX 916.244.4109*

3

B. Surrogate Recoveries : Surrogate recovery for the surrogate standard Fluorobenzene was outside laboratory advisory limits for the initial analysis of samples 35980002 and 35980003. The samples were re-analyzed and similar surrogate recovery was obtained indicating a possible matrix effect. The results of both analyses are included for your information.

V. I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Brian Geers 6-16-93

Brian Geers Date
Manager, Organics Division

000010

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

METHOD: 8020(MOD)
TBME & BTEX

Client: DECON ENVIRONMENTAL
Client Sample ID: SP-A

Sample Matrix: WATER
Dilution Factor: 1

Reference No: 35980001

Date Sampled: 06-02-93
Date Received: 06-04-93
Date Extracted: N/A
Date Analyzed: 06-09-93

Compound	Reporting Limit	Sample Result	Units
tert-Butyl methyl ether	0.50	U	ug/L
Benzene	0.50	U	ug/L
Toluene	0.50	U	ug/L
Ethyl Benzene	0.50	U	ug/L
Total Xylenes	0.50	U	ug/L
Surrogate (SS)		92	% Rec.

U = Compound analyzed for but not detected above reporting limit.

SS = Surrogate Standard reported as percent recovery.
Fluorobenzene used as surrogate standard.

Comments:

Approved By: Brian Hess

FORM I

kdh.001

000011

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

METHOD: 8020(MOD)
TBME & BTEX

Client: DECON ENVIRONMENTAL
Client Sample ID: SP-B

Reference No: 35980002

Date Sampled: 06-02-93
Date Received: 06-04-93
Date Extracted: N/A
Date Analyzed: 06-09-93

Sample Matrix: WATER
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	Units
tert-Butyl methyl ether	0.50	4.3	ug/L
Benzene	0.50	U	ug/L
Toluene	0.50	U	ug/L
Ethyl Benzene	0.50	U	ug/L
Total Xylenes	0.50	U	ug/L
Surrogate (SS)		69	% Rec.

U = Compound analyzed for but not detected above reporting limit.

SS = Surrogate Standard reported as percent recovery.
Fluorobenzene used as surrogate standard.

Comments:

Approved By: Brian Hess

FORM I

000012

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

METHOD: 8020(MOD)
TBME & BTEX

Client: DECON ENVIRONMENTAL
Client Sample ID: SP-B_R

Sample Matrix: WATER
Dilution Factor: 1

Reference No: 35980002-R

Date Sampled: 06-02-93
Date Received: 06-04-93
Date Extracted: N/A
Date Analyzed: 06-10-93

Compound	Reporting Limit	Sample Result	Units
[redacted]	0.50	[redacted]	ug/L
Benzene	0.50	U	ug/L
Toluene	0.50	U	ug/L
Ethyl Benzene	0.50	U	ug/L
Total Xylenes	0.50	U	ug/L
Surrogate (SS)		67	% Rec.

U = Compound analyzed for but not detected above reporting limit.

SS = Surrogate Standard reported as percent recovery.
Fluorobenzene used as surrogate standard.

Comments:

Approved By: Brian Welch

FORM I

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

METHOD: 8020(MOD)
TBME & BTEX

Client: DECON ENVIRONMENTAL
Client Sample ID: SP-D

Sample Matrix: WATER
Dilution Factor: 1

Reference No: 35980003

Date Sampled: 06-02-93
Date Received: 06-04-93
Date Extracted: N/A
Date Analyzed: 06-09-93

Compound	Reporting Limit	Sample Result	Units
[redacted]	0.50	[redacted]	ug/L
Benzene	0.50	U	ug/L
Toluene	0.50	U	ug/L
Ethyl Benzene	0.50	U	ug/L
Total Xylenes	0.50	U	ug/L
Surrogate (SS)		40	% Rec.

U = Compound analyzed for but not detected above reporting limit.

SS = Surrogate Standard reported as percent recovery.
Fluorobenzene used as surrogate standard.

Comments:

Approved By: Brian Gallo

FORM I

000014

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

METHOD: 8020(MOD)
TBME & BTEX

Client: DECON ENVIRONMENTAL
Client Sample ID: SP-D_R

Reference No: 35980003-R

Date Sampled: 06-02-93
Date Received: 06-04-93
Date Extracted: N/A
Date Analyzed: 06-10-93

Sample Matrix: WATER
Dilution Factor: 1

Compound	Reporting Limit	Sample Result	Units
tert-Butyl methyl ether	0.50	[redacted]	ug/L
Benzene	0.50	U	ug/L
Toluene	0.50	U	ug/L
Ethyl Benzene	0.50	U	ug/L
Total Xylenes	0.50	U	ug/L
Surrogate (SS)		38	% Rec.

U = Compound analyzed for but not detected above reporting limit.

SS = Surrogate Standard reported as percent recovery.
Fluorobenzene used as surrogate standard.

Comments:

Approved By: Brian Hollis

FORM I

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

METHOD: 8020(MOD)
TBME & BTEX

Sample Matrix: WATER
Dilution Factor: 1

Reference No: WBLK1-6/09
Date Analyzed: 06-09-93

Compound	Reporting Limit	Method Blank Result	Units
tert-Butyl methyl ether	0.50	U	ug/L
Benzene	0.50	U	ug/L
Toluene	0.50	U	ug/L
Ethyl Benzene	0.50	U	ug/L
Total Xylenes	0.50	U	ug/L
Surrogate (SS)		98	% Rec.

U = Compound analyzed for but not detected above reporting limit.

SS = Surrogate Standard reported as percent recovery.
Fluorobenzene used as surrogate standard.

Comments:

Approved By: Brian Wells

FORM I

000016

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

METHOD: 8020(MOD)
TBME & BTEX

Sample Matrix: WATER
Dilution Factor: 1

Reference No: WBLK1-6/10
Date Analyzed: 06-10-93

Compound	Reporting Limit	Method Blank Result	Units
tert-Butyl methyl ether	0.50	U	ug/L
Benzene	0.50	U	ug/L
Toluene	0.50	U	ug/L
Ethyl Benzene	0.50	U	ug/L
Total Xylenes	0.50	U	ug/L
Surrogate (SS)		101	% Rec.

U = Compound analyzed for but not detected above reporting limit.

SS = Surrogate Standard reported as percent recovery.
Fluorobenzene used as surrogate standard.

Comments:

Approved By: Brian Hall

FORM I

000017

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4109

CH2M HILL
QUALITY ANALYTICAL LABORATORIES

CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

CH2M HILL Project #	Purchase Order # 29926
Project Name: DEL MONTE PLANT 35	DECON JOB NO. 943
Company Name/CH2M HILL Office: DECON ENVIRONMENTAL	
Project Manager & Phone #: Mr. [X] Ms. [ ] Dr. [ ] PETER SCHUEN 570/732-6444	Report Copy to: PETER SCHUEN - DECON; BERN BAUMGARTNER - HILL
Requested Completion Date: STD TAT	Sampling Requirements: SDWA ☐ NPDES ☐ RCRA ☐ OTHER ___
Sample Disposal: Dispose ☒ (NON-HAZ) Return ☒ (HAZ)	

LAB TEST CODES

SHADED AREA – FOR LAB USE ONLY: Lab 1 # 35980; Lab 2 #; Quote #; Kit Request #; Project #; No. of Samples; Page; COC Rev; Login; LIMS Ver; Ack

ANALYSES REQUESTED

Date	Time	COMP	GRAB	WATER	SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	# OF CONTAINERS	EPA 601	BENZENE D.L. 0.5 mg/L	TOLUENE D.L. 0.5 mg/L	ETHYL BENZENE D.L. 0.5 mg/L	XYLENES D.L. 0.5 mg/L	REMARKS
6-2-93	17:55	X		X		S P - A	3	X					
	17:52	X		X		S P - A	1		X	X	X	X	
	17:57	X		X		S P - B	3	X					
	17:59	X		X		S P - B	3		X	X	X	X	
	18:15	X		X		S P - D	3	X					
	18:16	X		X		S P - D	3		X	X	X	X	
							X	X					

Sampled By & Title (Please sign and print name): P. Schuen P. SCHUEN PROJ. MGR.	Date/Time: 6-2-93	Relinquished By (Please sign and print name): P. Schuen P. SCHUEN	Date/Time: 6-3-93 12:30
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	Relinquished By (Please sign and print name)	Date/Time
Received By (Please sign and print name): Allen Smith	Date/Time: 6/4/93 0930	Shipped Via: (UPS) BUS Fed-Ex Hand Other ___	Shipping #
Work Authorized By (Please sign and print name)	Remarks		

HAZWRAP/NESSA; 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 - C...

REV 11/92 FORM

000018

ATTACHMENT C

GET System Inspection Logs

Del Monte Plant #35

Date: 4-6-93

DATA LOG & FIELD NOTES

JOB No.:
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1	10.22 ft.		time
PW-2	9.36 ft.		time

Monitoring Wells -

MW-7	7.18 ft.		time
MW-9	10.34 ft.		time
MW-10	7.94 ft.		time
MW-11	8.32 ft.		time

Total GET Effluent 437,536 gal. 6:52 time

Time req'd: 20 min

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 16 psi.

After bag filter: 12 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No X

Were all valves opened after replacing the filter bag?

Yes ✓ No ____

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No X

DECON

rev. 1/93

Del Monte Plant #35 Date: 4-6-93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes a No ____

If yes, please check from which sample port/s.

A a B a C a D a

Time req'd: 30 min.

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. A hour was removed from the newly replaced lower float activated switch that caused it to stick (performed on 4-5-93 - 1 hr. total)

Misc. Field Notes: _____

Name (printed): _____ Signature: _____

Start Time: 6:30 Finish Time: 8:00

DECON

rev. 1/93

Del Monte Plant #35

Date: 4/13/93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1 NEAR BOTTOM ft. _____ time

PW-2 NEAR BOTTOM ft. _____ time

Monitoring Wells -

MW-7 _____ ft. _____ time

MW-9 _____ ft. _____ time

MW-10 _____ ft. _____ time

MW-11 _____ ft. _____ time

Total GET Effluent 477,251 gal. 1040 HRS time

Time req'd: _____

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 16 psi.

After bag filter: 13 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? NA Yes ____ No ____

Were all valves opened after replacing the filter bag?

Yes ____ No ____

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No ✓

DECON

Del Monte Plant #35

Date: 4/13/93

If wet spots are noted, briefly describe location. _____

Was sampling performed? Yes ____ No ✓

If yes, please check from which sample port/s.

A_____ B_____ C_____ D_____

Time req'd: _____

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. No

Misc. Field Notes: Mark Rosenquist and B. Baumgartner are onsite to remove plastic covers from excavated soil.

Name (printed): BERN BAUMGARTNER Signature: Bern Baumgartner

Start Time: 1030 hrs Finish Time: 1200 hrs

DECON

rev. 1/93

Del Monte Plant #35

Date: 4-13-93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1 _____ ft. _____ time

PW-2 _____ ft. _____ time

Monitoring Wells -

MW-7 _____ ft. _____ time

MW-9 _____ ft. _____ time

MW-10 _____ ft. _____ time

MW-11 _____ ft. _____ time

Total GET Effluent 477050 gal. _____ time

Time req'd: 9:43

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 16 psi.

After bag filter: 14 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No ✓

Were all valves opened after replacing the filter bag?

Yes ____ No ____ NA

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____ NA

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No ✓

DECON

rev. 1/93

Del Monte Plant #35 Date: 4-13-93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ____ No ✓

If yes, please check from which sample port/s.

A_____ B_____ C_____ D_____

Time req'd: _____

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. NO

_____

_____

_____

Misc. Field Notes: _____

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_____

Name (printed): Mark Rosengard Signature: Mark Rosengard

Start Time: 9:40 Finish Time: 9:47

DECON

rev. 1/93

Date: 4-4-93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1	10:16	ft.	~~10:45~~ 7:40	time
PW-2	9:32	ft.	7:40	time

Monitoring Wells -

MW-7	7.25	ft.	7:27	time
MW-9	10:55	ft.	7:34	time
MW-10	8.00	ft.	7:32	time
MW-11	8.60	ft.	7:37	time

Total GET Effluent 520,828.8 gal. 10:41 time

Time req'd: 30 min

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 16 psi.

After bag filter: 13 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No X

Were all valves opened after replacing the filter bag?

Yes ____ No ____

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No X

DECON

Del Monte Plant #35

Date: 4-21-93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ____ No 0

If yes, please check from which sample port/s.

A_____ B_____ C_____ D_____

Time req'd: _____

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. _____

_____

_____

_____

Misc. Field Notes: Had technician remove visqueen from stockpiled soil and roll up. Placed material under ramp.

_____

_____

_____

_____

Name (printed): PETER SCHOEN Signature: Peter Sch

Start Time: 7:15 Finish Time: 8:45

DECON

rev. 1/93

Del Monte Plant #35 Date: 4-28-93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1	_____ ft.	_____ time
PW-2	_____ ft.	_____ time

Monitoring Wells -

MW-7	_____ ft.	_____ time
MW-9	_____ ft.	_____ time
MW-10	_____ ft.	_____ time
MW-11	_____ ft.	_____ time

Total GET Effluent 560,552 gal. 1:10 time

Time req'd: _____

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 16 psi.

After bag filter: 12 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No ✓

Were all valves opened after replacing the filter bag?

Yes ____ No ____ NA

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____ NA

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No ✓

DECON

rev. 1/93

Del Monte Plant #35 Date: 4-28-93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ____ No ____

If yes, please check from which sample port/s.

A_____ B_____ C_____ D_____

Time req'd: _____

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. NA

_____

_____

_____

Misc. Field Notes: _____

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_____

Name (printed): Mark Rosenquist Signature: Mark Rosenquist

Start Time: 1:05 Finish Time: 1:15

DECON

rev. 1/93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1	10.19	ft.	14:53	time
PW-2	9.34	ft.	14:54	time

Monitoring Wells -

MW-7	7.43	ft.	14:45	time
MW-9	10.68	ft.	14:50	time
MW-10	8.14	ft.	14:48	time
MW-11	8.76	ft.	1457	time

Total GET Effluent 593 439.1 gal. 16:42 time

Time req'd: 25 min.

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 17 psi.

After bag filter: 12 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No X

Were all valves opened after replacing the filter bag?

Yes ____ No ____

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No X

DECON

Del Monte Plant #35

Date: 5/4/93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ✓ No ____

If yes, please check from which sample port/s.

A ✓ B ✓ C ____ D ✓

Time req'd: 20 min

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. _____

_____

_____

_____

Misc. Field Notes: _____

_____

_____

_____

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_____

Name (printed): PETER SCHOEN Signature: P. Sch

Start Time: 15:30 Finish Time: 17:00

DECON

rev. 1/93

Del Monte Plant #35

Date: 5-12-93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1 _____ ft. _____ time

PW-2 _____ ft. _____ time

Monitoring Wells -

MW-7 _____ ft. _____ time

MW-9 _____ ft. _____ time

MW-10 _____ ft. _____ time

MW-11 _____ ft. _____ time

Total GET Effluent 634937 gal. _____ time

Time req'd: 1.20

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 18 psi.

After bag filter: 10 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No ✓

Were all valves opened after replacing the filter bag?

Yes ____ No ____ NA

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____ NA

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No ✓

DECON

rev. 1/93

Del Monte Plant #35

Date: 5-12-93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ____ No ✓

If yes, please check from which sample port/s.

A_____ B_____ C_____ D_____

Time req'd: _____

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. NO

_____

_____

_____

Misc. Field Notes: _____

_____

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Name (printed): Mark Rosenquist Signature: Mark Rosenquist

Start Time: 1:15 Finish Time: 1:25

DECON

rev. 1/93

Del Monte Plant #35

Date: 5-20-93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1	10.32	ft.	6:34	time
PW-2	9.44	ft.	6:35	time

Monitoring Wells -

MW-7	7.59	ft.	6:25	time
MW-9	18.00	ft.	6:29	time
MW-10	8.25	ft.	6:28	time
MW-11	8.88	ft.	6:32	time

Total GET Effluent 675 935.6 gal. 6:36 time

Time req'd: 20 min

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 20 psi.

After bag filter: 3 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No X

Were all valves opened after replacing the filter bag?

Yes ____ No ____

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No X

DECON

Del Monte Plant #35 Date: 5-20-93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ____ No ✓

If yes, please check from which sample port/s.

A_____ B_____ C_____ D_____

Time req'd: _____

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. none

_____

_____

_____

Misc. Field Notes: _____

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_____

Name (printed): R. Schoen Signature: R. Schoen

Start Time: 6:20 Finish Time: 7:30

DECON

rev. 1/93

Del Monte Plant #35 Date: 5-27-93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1 _____ ft. _____ time

PW-2 _____ ft. _____ time

Monitoring Wells -

MW-7 _____ ft. _____ time

MW-9 _____ ft. _____ time

MW-10 _____ ft. _____ time

MW-11 _____ ft. _____ time

Total GET Effluent _____ gal. 704728 time

Time req'd: 9:50

GET System:

Please record the pressure gauge reading at each of the following locations:

5-27

Before bag filter: 21 psi.

After bag filter: 9 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No ✓

Were all valves opened after replacing the filter bag?

Yes ____ No ____

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No ____

DECON

rev. 1/93

Del Monte Plant #35

Date: 5-27-93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ____ No ✓

If yes, please check from which sample port/s.

A_____ B_____ C_____ D_____

Time req'd: _____

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. _____

_____

_____

_____

Misc. Field Notes: _____

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Name (printed): Mark Rosenquist Signature: Mark Rosenquist

Start Time: 9:45 Finish Time: 10:00

5-27

DECON

rev. 1/93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1	5.39	ft.	17:44	time
PW-2	4.54	ft.	17:44	time

Monitoring Wells -

MW-7	7.02	ft.	17:33	time
MW-9	10.59	ft.	17:37	time
MW-10	7.12	ft.	17:38	time
MW-11	7.18	ft.	17:42	time

Total GET Effluent 709,733.6 gal. 17:45 time

Time req'd: 20 min

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 21 psi.

After bag filter: 11 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No X

Were all valves opened after replacing the filter bag?

Yes ____ No ____

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No X

DECON

Del Monte Plant #35 Date: 6-2-93

If wet spots are noted, briefly describe location. _____

Was sampling performed? Yes X No ____

If yes, please check from which sample port/s.

A X B X C ____ D X

Time req'd: 30 min

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. _____

Misc. Field Notes: The valve on the Baker tank was stuck partially closed (not allowing water to flow into the Transfer tank). Thus, the extraction well pump shut off, allowing well levels to rise. The reason for this valve not closing completely is unknown.

Name (printed): P. SCHOEN Signature: P. Sch

Start Time: 17:00 Finish Time: 18:30

DECON

rev. 1/93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1	10.30	ft.	16:59	time
PW-2	9.43	ft.	16:59	time

Monitoring Wells -

MW-7	7.80	ft.	16:50	time
MW-9	10.83	ft.	16:54	time
MW-10	8.17	ft.	16:53	time
MW-11	8.10	ft.	16:58	time

Total GET Effluent 754,405 gal. 17:01 time

Time req'd: 20 min

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 14 psi.

After bag filter: 14 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No α

Were all valves opened after replacing the filter bag?

Yes ____ No ____

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No α

DECON

Del Monte Plant #35 Date: 6.10.93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ____ No d

If yes, please check from which sample port/s.

A_____ B_____ C_____ D_____

Time req'd: 9

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. _____

_____

_____

_____

Misc. Field Notes: _____

_____

_____

_____

_____

_____

Name (printed): P. Schoen Signature: P. Sch

Start Time: 16:30 Finish Time: 17:30

DECON

rev. 1/93

Del Monte Plant #35

Date: 6/14/93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1	10.32	ft.	16:45	time
PW-2	9.50	ft.	16:46	time

Monitoring Wells -

MW-7	7.58	ft.	16:36	time
MW-9	10.98	ft.	16:42	time
MW-10	8.26	ft.	16:40	time
MW-11	8.86	ft.	10:44	time

Total GET Effluent 775,041.2 gal. 16:47 time

Time req'd: 20 min.

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 16 psi.

After bag filter: 10 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No X

Were all valves opened after replacing the filter bag?

Yes ____ No ____

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No X

DECON

Del Monte Plant #35

Date: 6/14/93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ____ No X

If yes, please check from which sample port/s.

A_____ B_____ C_____ D_____

Time req'd: 0

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. Hose to, between and from carbon vessels replaced w/ black rubber hose. Both carbon vessels backflushed into transfer tank.

_____

Misc. Field Notes: _____

_____

_____

_____

_____

_____

Name (printed): P. Sutton Signature: P. Sutton

Start Time: 15:00 Finish Time: 17:00

DECON

rev. 1/93

Del Monte Plant #35

Date: 6-23-93

DATA LOG & FIELD NOTES

JOB No.: 943
PROJECT: Del Monte Plant No. 35
ADDRESS: 4240 Hollis Street,
Emeryville, CA 95020

Well Depths:

Extraction Wells -

PW-1 _____ ft. _____ time

PW-2 _____ ft. _____ time

Monitoring Wells -

MW-7 _____ ft. _____ time

MW-9 _____ ft. _____ time

MW-10 _____ ft. _____ time

MW-11 _____ ft. _____ time

Total GET Effluent 819606 gal. 9:24 time

Time req'd: _____

GET System:

Please record the pressure gauge reading at each of the following locations:

Before bag filter: 16 psi.

After bag filter: 11 psi.

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ____ No ✓

Were all valves opened after replacing the filter bag?

Yes ____ No ____ NA

Were pumps turned ON after replacing the filter bag?

Yes ____ No ____ N.A

Were any leaks (standing water or wet spots) seen that originated from GET System piping? Yes ____ No ✓

DECON

Del Monte Plant #35

Date: 7-1-93

If wet spots are noted, briefly describe location. _____

Was sampling performed? Yes ✓ No ____

If yes, please check from which sample port/s.

A ✓ B ✓ C ____ D ✓

Time req'd: 0.5 hr

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. _____

Misc. Field Notes: _____

Name (printed): P. Schoen Signature: P. Sch

Start Time: 7:00 Finish Time: 8:30

DECON