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October 31, 1994

BAE28830.P3

Mr. Brian Oliva
Hazardous Materials Specialist
Alameda County Department of Environmental Health
Division of Hazardous Materials
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

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. 2189).

Sincerely,

CH2M HILL

Madeline Wall

Madeline Wall
Environmental Engineer

cc: Mr. Sumadhu Arigala/RWQCB
Mr. Ravi Arulanantham/ACDEH/RWQCB
Mr. Stan Archacki/EBMUD
Mr. Thomas Bender/The Bender Partnership
Mr. Lee Bosche/Del Monte
Mr. Soon Kim/Del Monte
Mr. Mark Zemelman/Kaiser
Mr. David Harnish/ENVIRON
Mr. Bern Baumgartner/CH2M HILL
Mr. Keith Gally/CH2M HILL

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

Prepared for

Del Monte Foods USA

Prepared by

CH2M HILL

October 1994

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. Quarterly groundwater monitoring at Plant 35 was conducted on October 17, 1994.

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 underlain by approximately 5 to 8 feet of fill which is composed primarily of clay containing gravel. Native silty clay extends from beneath the fill to a depth of approximately 15 to 20 feet below ground surface. Discontinuous lenses of sands and gravels have also been encountered within the native silty clay. This silty clay zone is underlain with silty sand. Shallow groundwater exists beneath the property at a depth of approximately 7 to 10 feet below ground surface and flows in a southwesterly direction (Figure 2).

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

Monitoring wells MW-7, MW-9, MW-10, and MW-12 were sampled as part of the quarterly monitoring program. Monitoring well MW-11 was removed in June 1994 during the construction of the new groundwater extraction trench (discussed below in the Groundwater Extraction and Treatment System Section of this report). To replace MW-11 data, a water sample from the extraction trench was collected and analyzed during quarterly groundwater extraction and treatment (GET) system sampling. The monitoring well locations are shown on Figure 1 and the analytical results from this and previous monitoring events are summarized in Table 1. Applicable State of California Maximum Contaminant Levels (MCLs) are also included at the bottom of Table 1. Figure 3 shows trichloroethene (TCE) concentrations in groundwater samples collected from former monitoring well MW-8 (replaced by the existing groundwater extraction pit) and the influent sample port (SP-D) of the GET system. Laboratory analytical reports for the monitoring well samples are included in Attachment A.

With the exception of MW-10, the groundwater monitoring results from the October 17 event are consistent with or lower than the previous quarterly monitoring results

- Concentrations of chlorinated hydrocarbons in monitoring wells MW-7 and MW-9 are generally consistent with previous quarters.
- Montoring well MW-10 showed an increase in 1,2-DCE, TCE, and PCE, although levels are still well below the pre-GET system levels.
- The sample collected from SP-E at the location of former monitoring well MW-11 showed a decrease in TCE and PCE over the levels detected in MW-11 in the previous quarter.
- Monitoring well MW-12 showed large decreases in TCE and PCE concentrations compared to last quarter's sampling.
- The water sample collected from SP-D showed a significant decrease in TCE concentration and a decrease in PCE concentration over the previous quarter.

GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

System Description

Del Monte began construction of a GET system on January 11, 1993 and began operating the system on January 14, 1993. In June and July 1994, the extraction system was expanded as described below. 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.

The original GET system extracts groundwater 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).

The GET system was shut down on December 10, 1993 due to the expiration of the EBMUD Wastewater Discharge Permit. Del Monte received a renewed Wastewater Discharge Permit on January 14, 1994, but the restart of the GET system was delayed until March 8, 1994 because of a faulty transfer pump and the unavailability of an electrical power source on the Plant 35 property. The shutdown and restart dates are shown on Figure 3.

System Expansion

As described in the Draft Remediation Plan for Del Monte Plant 35 prepared by CH2M HILL in April 1994, Del Monte expanded the groundwater extraction system on the West Parcel by constructing an extraction trench adjacent and parallel to Hollis Street. Figure 4 shows a plan view of the expanded GET system system. The trench was completed in early July. Extraction of groundwater from the trench began on August 11, 1994 after piezometers were installed downgradient to monitor the zone of influence. Three piezometers were installed at the locations shown on Figure 5. Since installation, water level measurements have been taken at a frequency of approximately once per week.

The expanded extraction system pumped an average of 6.5 gallons per minute from August 11 to October 21, 1994. Based on water level fluctuations measured at P-1, P-2, and P-3 during this time period, the pumping rate was adjusted downward on October 21, 1994. Water levels will continue to be monitored and pumping adjustments made as needed to control the zone of influence of the extraction system.

Another modification made to the GET system in July 1994 was the change of the discharge point from the sanitary sewer line leading to Park Avenue to another onsite sanitary sewer line leading to Hollis Street. This change was made in early July at the request of the City of Emeryville.

A schematic of the GET system is shown on Figure 6. Four water sample ports (SP-A, SP-B, SP-C, SP-D, and SP-E) used to monitor the GET system are also shown on Figure 6. The influent sample port from the new trench, SP-E, replaces the MW-11 results in quarterly groundwater monitoring.

Wastewater Discharge Permit Requirements

A renewed Wastewater Discharge permit was issued to Del Monte on January 14, 1994 by EBMUD for discharge of the treated groundwater to the sanitary sewer. The renewed

Wastewater Discharge Permit contains the following modifications to the Self-Monitoring Reporting Requirements (SMRRs):

- Sampling from the GET system sample port SP-A is no longer required unless levels of chlorinated hydrocarbons from sample port SP-B increase
- Sampling from sample ports SP-B and SP-D is required only once a quarter
- Samples from sample ports SP-B and SP-D are required to be analyzed only for EPA 601. BTEX analyses are no longer required because BTEX has never been detected in any of the GET system samples.

Our letter of June 24, 1994 to EBMUD described the groundwater extraction system expansion and the change to the discharge point.

GET System Results

As of October 14, 1994, the GET system has extracted and treated a total of 2,881,810 gallons of water. On Autust 11, 1994, carbon cannister #1 was replaced with carbon cannister #2 and a new cannister was installed in the #2 position. GET system inspection logs since the last quarterly monitoring event are contained in Attachment B.

In accordance with the requirements of the Wastewater Discharge Permit, Del Monte collected water samples from GET system sample ports SP-A, SP-B, and SP-D on September 30, 1994. A sample was also collected from sample port SP-E located at the extraction trench sump. The samples were analyzed for chlorinated hydrocarbons (EPA Method 601), and the results are summarized in Table 2. The laboratory reports for the samples collected during the third quarter of 1994 are included in Attachment A.

The monitoring results of the GET system indicate that the system is effectively removing chlorinated hydrocarbons prior to discharge. Both TCE and PCE concentrations from the influent (SP-D) water sample significantly decreased compared with the concentrations detected on June 16, 1994.

FUTURE ACTIVITIES

Del Monte will continue quarterly monitoring of MW-7, MW-9, MW-10, and MW-12 for chlorinated hydrocarbons. The next quarterly monitoring event is scheduled for January 1995. The next groundwater monitoring quarterly report is scheduled for completion by January 31, 1995.

TABLE 1

DEL MONTE PLANT NO. 35, WEST PARCEL
4204 HOLLIS STREET, EMERYVILLE, CA
QUARTERLY GROUNDWATER MONITORING RESLUTS

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
MW7	17-Sep-93	1.6 (t)	<1.0	<1.0	17.0	12.0	<1.0	<1.0
MW7	21-Dec-93	20.3	<0.5	<0.5	17.0	20.0	1.9	<0.5
MW7	14-Feb-94	18.0	<0.5	<0.5	13.0	11.0	0.7	<0.5
MW7	11-Apr-94	13.0	<0.5	<0.5	12.0	10.0	<1.0	<0.5
MW7	15-Jul-94	18.8	<0.5	<0.5	13.0	11.0	<0.50	<0.5
MW7	**17-Oct-94**	**18.2**	**<0.5**	**<0.5**	**11.0**	**10.0**	**<0.50**	**<0.5**
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 (t)	<1.0	<1.0	120.0	8.5	<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)	02-Sep-93	<1.0 (t)	<1.0	<1.0	83.0	11.0	<1.0	<1.0
MW8 (SP-D)	01-Oct-93	<1.0 (t)	<1.0	<1.0	41.0	10.0	<1.0	<1.0
MW8 (SP-D)	05-Nov-93	<1.0 (t)	<1.0	<1.0	56.0	11.0	<1.0	<1.0
MW8 (SP-D)	02-Dec-93	<1.0 (t)	<1.0	<1.0	68.0	11.0	<1.0	<1.0
MW8 (SP-D)	09-Mar-94	<1.0 (t)	<1.0	<1.0	130.0	4.4	<1.0	<1.0
MW8 (SP-D)	16-Jun-94	<1.0 (t)	<1.0	<1.0	37.0	13.0	<1.0	<1.0
MW8 (SP-D)	**17-Oct-94**	**<1.0 (t)**	**<1.0**	**<1.0**	**2.5**	**2.5**	**<1.0**	**<1.0**
MW9	10-Jul-89	63.0	<0.5	<0.5	13.0	38.0	16.0	<0.5

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TABLE 1

DEL MONTE PLANT NO. 35, WEST PARCEL
4204 HOLLIS STREET, EMERYVILLE, CA
QUARTERLY GROUNDWATER MONITORING RESLUTS

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	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
MW9	12-Oct-92	41.0	<0.5	<0.5	17.0	36.0	3.0	<0.5
MW9	21-Dec-93	34.5	<0.5	<0.5	16.0	34.0	5.9	<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
MW9	17-Sep-93	1.6 (t)	<1.0	<1.0	11.0	21.0	3.5	<1.0
MW9	21-Dec-93	34.5	<0.5	<0.5	16.0	34.0	5.9	<0.5
MW9	14-Feb-94	30.8	<0.5	<0.5	11.0	25.0	4.2	<0.5
MW9	11-Apr-94	18.0	<0.5	<0.5	9.0	18.0	1.6	<0.5
MW9	15-Jul-94	42.4	<0.5	<0.5	15.0	24.0	7.1	<0.5
MW9	**17-Oct-94**	**35.6**	**<0.5**	**<0.5**	**14.0**	**24.0**	**2.2**	**<0.5**
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
MW10	17-Sep-93	<1.0 (t)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
MW10	21-Dec-93	<0.5	<0.5	<0.5	<0.5	1.6	<0.5	<0.5
MW10	14-Feb-94	9.9	<0.5	<0.5	5.4	4.4	<0.5	<0.5
MW10	11-Apr-94	3.7	<0.5	<0.5	2.2	1.5	<1.0	<0.5
MW10	15-Jul-94	<0.5	<0.5	<0.5	1.0	1.0	<0.5	<0.5
MW10	**17-Oct-94**	**20.6**	**<0.5**	**<0.5**	**37.0**	**19.0**	**<0.5**	**<0.5**
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

Filename: mwconc.xls

TABLE 1

DEL MONTE PLANT NO. 35, WEST PARCEL
4204 HOLLIS STREET, EMERYVILLE, CA
QUARTERLY GROUNDWATER MONITORING RESLUTS

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)
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
MW11	17-Sep-93	<5.0 (t)	<5.0	<5.0	230.0	<5.0	<5.0	<5.0
MW11	21-Dec-93	32.2	<0.5	2.8	220.0	14.0	6.1	<0.5
MW11	14-Feb-94	11.8	<0.5	2.0	52.0	5.6	1.5	2.6
MW11	11-Apr-94	10.0	<0.5	<0.5	57.0	4.9	<1.0	2.7
MW11	27-Jun-94	<0.5	<0.5	<0.5	110.0	12.0	<0.5	<0.5
MW-11 (SP-E)	20-Sep-94	<1.0 (t)	<1.0	<1.0	2.6	2.8	<1.0	<1.0
MW12	02-Mar-94	35.3	<0.5	<0.5	170.0	16.0	6.8	<0.5
MW12	11-Apr-94	25.0	<0.5	<0.5	100.0	13.0	<1.0	<0.5
MW12	15-Jul-94	31.9	<0.5	<0.5	82.0	19.0	4.2	<0.5
MW12	17-Oct-94	<0.5	<0.5	<0.5	1.1	0.9	<0.5	<0.5
	Primary MCL	--	6	0.5	5	5	0.5	5

(a) 1,2-Dichloroethene
(b) 1,1-Dichloroethene
(c) 1,2-Dichloroethane
(d) Trichloroethene
(e) Tetrachloroethene
(f) Vinyl chloride
(g) 1,2-Dichloropropane
(t) trans-1,2-Dichloroethene

Filename: mwconc.xls

TABLE 2

GROUNDWATER TREATMENT SYSTEM MONITORING RESULTS
DEL MONTE PLANT 35
4204 HOLLIS STREET, EMERYVILLE CA

Sample Port	Date	Concentrations (ug/L) B	T	E	X	PCE	TCE	VC	1,2-DCE
SP-A	14-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SP-A	19-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SP-A*	19-Jan-93	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0	< 0.6	< 1.0	< 0.6
SP-A	27-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SP-A	26-Feb-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SP-A*	22-Mar-93	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0	< 0.6	< 1.0	< 0.6
SP-A	06-Apr-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	0.9
SP-A	04-May-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	5.1
SP-A	02-Jun-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0 t
SP-A	29-Jul-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0 t
SP-A	02-Sep-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0 t
SP-A	01-Oct-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0 t
SP-A	05-Nov-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	3.7	< 1.0	1.0 t
SP-A	02-Dec-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	13	< 1.0	< 1.0 t
SP-A	09-Mar-94	NA	NA	NA	NA	NA	NA	NA	NA
SP-A	16-Jun-94	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0 t
SP-A	30-Sep-94	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0 t
SP-B	14-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SP-B	19-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SP-B	27-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SP-B	26-Feb-93	< 0.5	< 0.5	< 0.5	< 0.5	5.9	< 0.5	< 0.5	< 0.5
SP-B	06-Apr-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	11	< 0.5	27
SP-B	04-May-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	16	<0.5	39
SP-B	02-Jun-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	5.5	< 1.0	<1.0 t
SP-B	29-Jul-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	12	< 1.0	<1.0 t
SP-B	02-Sep-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	42	< 1.0	<1.0 t
SP-B	01-Oct-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	36	< 1.0	<1.0 t
SP-B	05-Nov-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	67	< 1.0	<1.0 t
SP-B	02-Dec-93	< 0.5	< 0.5	< 0.5	< 0.5	1.1	61	< 1.0	<1.0 t
SP-B	09-Mar-94	NA	NA	NA	NA	<1.0	4.9	<1.0	<1.0 t
SP-B	16-Jun-94	NA	NA	NA	NA	<1.0	26	<1.0	<1.0 t
SP-B	30-Sep-94	NA	NA	NA	NA	<1.0	1.8	<1.0	<1.0 t
SP-C	14-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	1.9	< 0.5	< 0.5
SP-C	19-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	3.4	< 0.5	< 0.5
SP-C	27-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	6.6	250	< 0.5	19
SP-C	26-Feb-93	< 0.5	< 0.5	< 0.5	< 0.5	12	220	< 0.5	36
SP-C	11-Mar-93	NA	NA	NA	NA	17	100	< 0.5	37
SP-C	06-Apr-93	< 0.5	< 0.5	< 0.5	< 0.5	13	130	< 1.0	34
SP-C	04-May-93	NA	NA	NA	NA	NA	NA	NA	NA
SP-C	02-Jun-93	NA	NA	NA	NA	NA	NA	NA	NA
SP-C	29-Jul-93	NA	NA	NA	NA	NA	NA	NA	NA
SP-C	02-Sep-93	NA	NA	NA	NA	NA	NA	NA	NA
SP-C	01-Oct-93	NA	NA	NA	NA	NA	NA	NA	NA
SP-C	05-Nov-93	NA	NA	NA	NA	NA	NA	NA	NA
SP-C	02-Dec-93	NA	NA	NA	NA	NA	NA	NA	NA

Filename: getsdata.xls

TABLE 2

GROUNDWATER TREATMENT SYSTEM MONITORING RESULTS
DEL MONTE PLANT 35
4204 HOLLIS STREET, EMERYVILLE CA

Sample Port	Date	Concentrations (ug/L) B	T	E	X	PCE	TCE	VC	1,2-DCE
SP-C	09-Mar-94	NA	NA	NA	NA	NA	NA	NA	NA
SP-C	16-Jun-94	NA	NA	NA	NA	NA	NA	NA	NA
SP-C	30-Sep-94	NA	NA	NA	NA	NA	NA	NA	
SP-D	14-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
SP-D	19-Jan-93	< 0.5	< 0.5	< 0.5	< 0.5	4.9	620	3.0	37
SP-D	26-Feb-93	< 0.5	< 0.5	< 0.5	< 0.5	14	350	< 0.5	50
SP-D	11-Mar-93	NA	NA	NA	NA	25	130	< 0.5	44.9
SP-D	06-Apr-93	NA	NA	NA	NA	21	160	< 1.0	48
SP-D	04-May-93	< 0.5	< 0.5	< 0.5	< 0.5	14	89	< 0.5	29
SP-D	02-Jun-93	< 0.5	< 0.5	< 0.5	< 0.5	8.5	130	< 1.0	1.2 t
SP-D	16-Jun-93	< 2.0	< 2.0	< 2.0	< 2.0	24	102	< 2.0	62
SP-D	29-Jul-93	< 0.5	< 0.5	< 0.5	< 0.5	7.2	60	< 1.0	<1.0 t
SP-D	02-Sep-93	< 0.5	< 0.5	< 0.5	< 0.5	11	83	< 1.0	<1.0 t
SP-D	01-Oct-93	< 0.5	< 0.5	< 0.5	< 0.5	10	41	< 1.0	<1.0 t
SP-D	05-Nov-93	< 0.5	< 0.5	< 0.5	< 0.5	11	56	< 1.0	<1.0 t
SP-D	02-Dec-93	< 0.5	< 0.5	< 0.5	< 0.5	11	68	< 1.0	<1.0 t
SP-D	09-Mar-94	NA	NA	NA	NA	4.4	130	<1.0	<1.0 t
SP-D	16-Jun-94	NA	NA	NA	NA	13	37	<1.0	<1.0 t
SP-D	30-Sep-94	NA	NA	NA	NA	2.5	2.5	<1.0	<1.0 t
SP-E	30-Sep-94	NA	NA	NA	NA	2.8	2.6	<1.0	<1.0 t

(NA) Not Analyzed
(*) 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-Dichloroethene (Total)
t trans-1,2-Dichloroethene

Filename: getsdata.xls

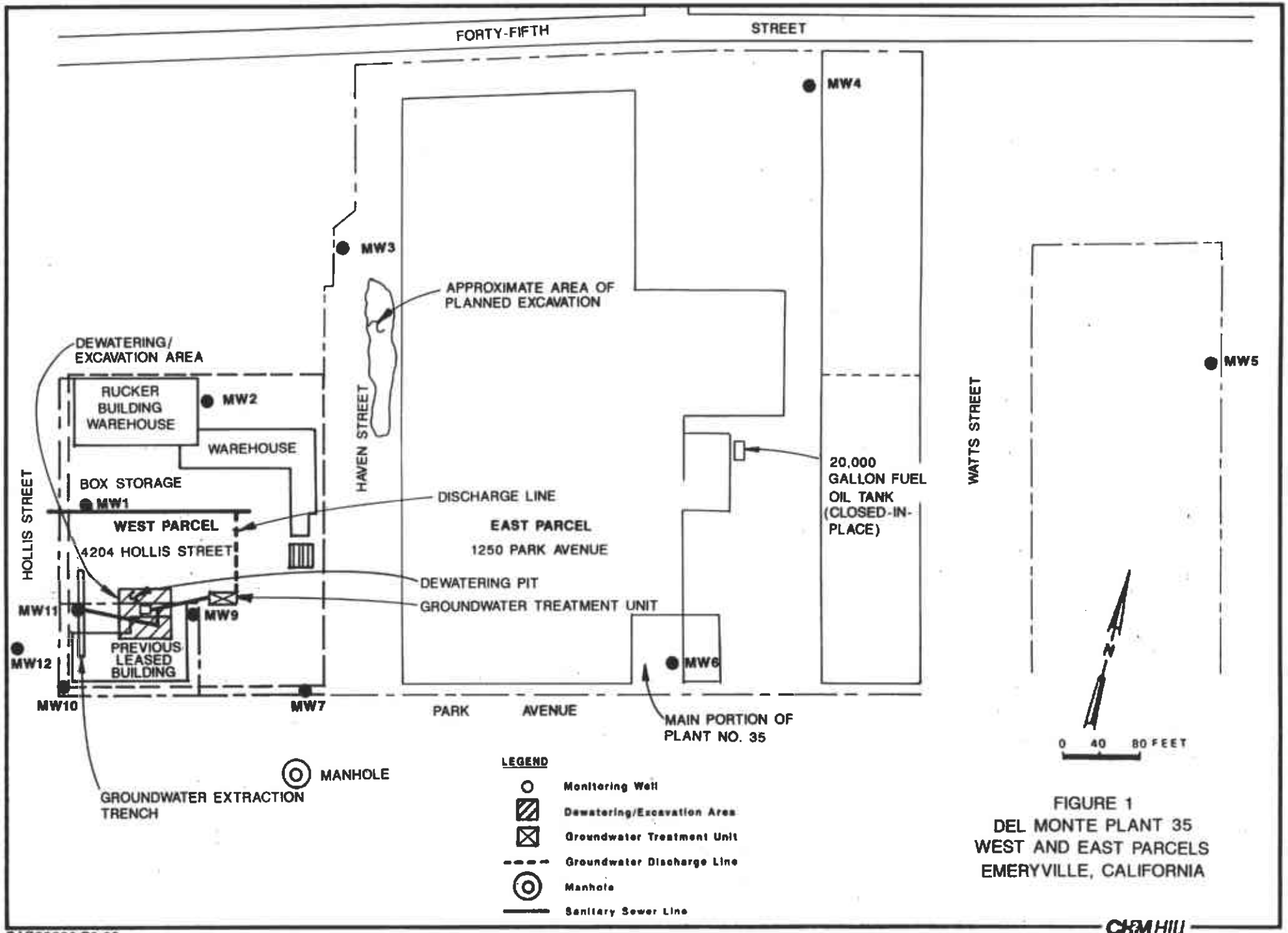


FIGURE 1
DEL MONTE PLANT 35
WEST AND EAST PARCELS
EMERYVILLE, CALIFORNIA

BAE28830.P2.03

CH2M HILL

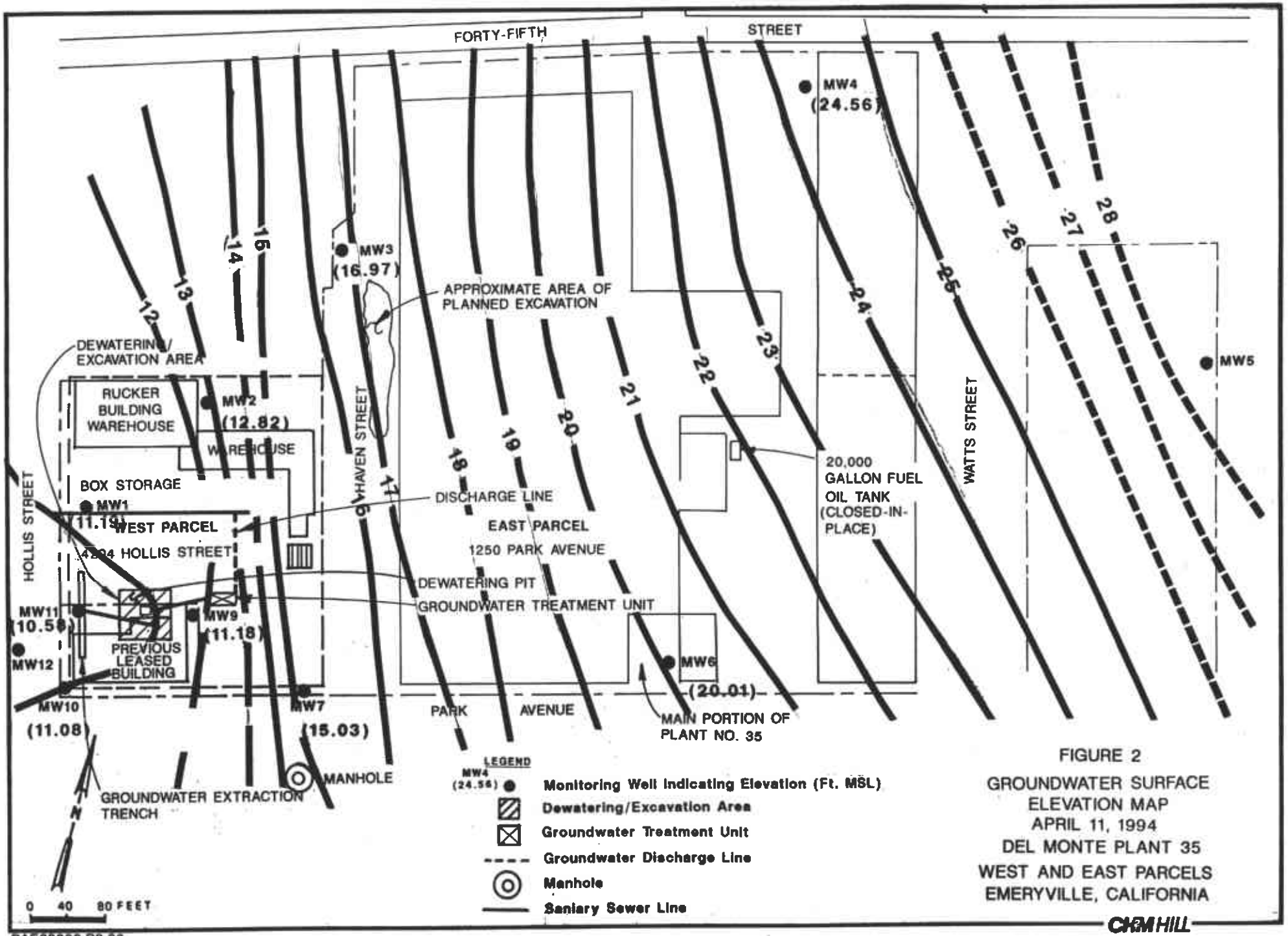
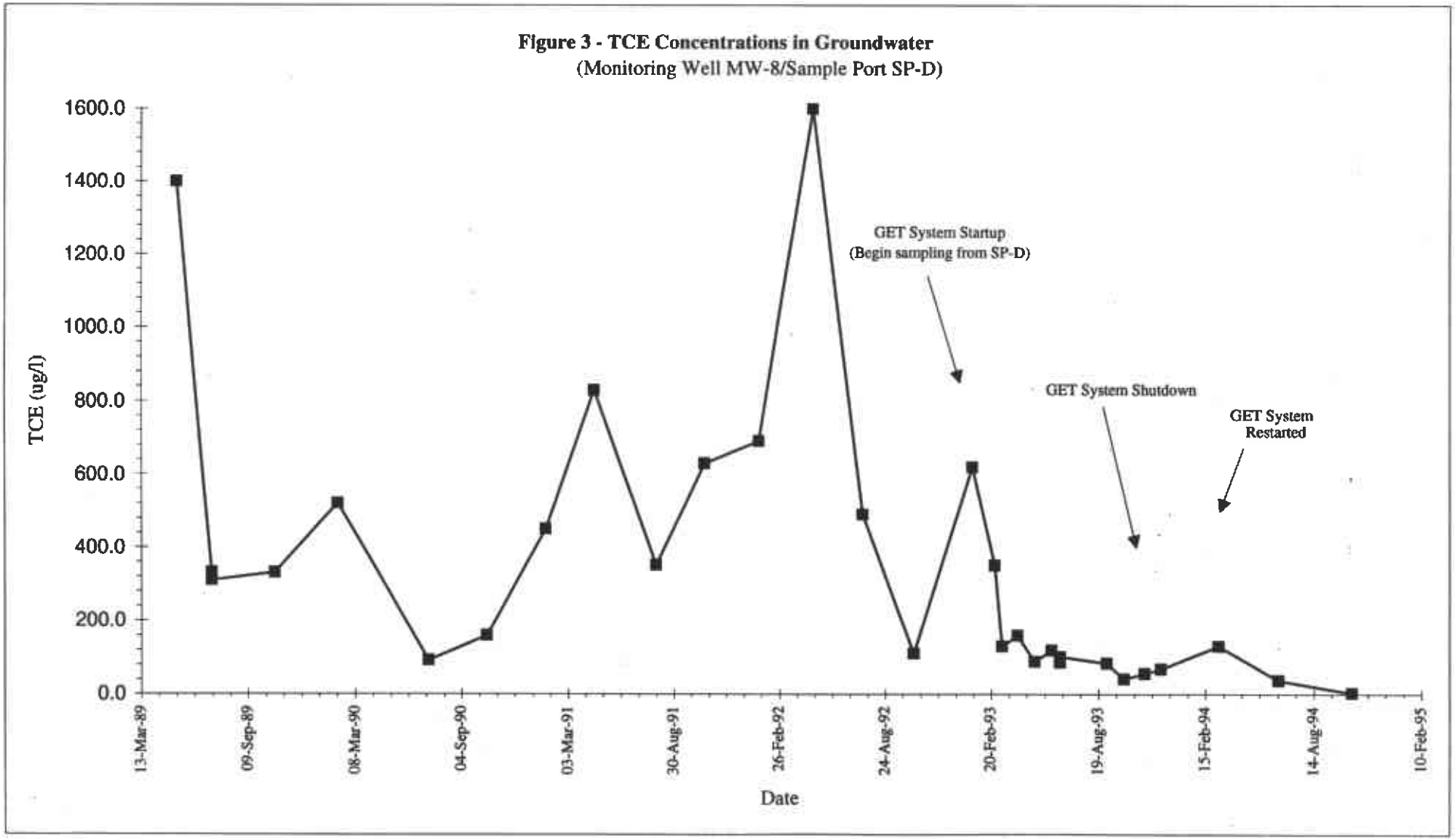


FIGURE 2
GROUNDWATER SURFACE
ELEVATION MAP
APRIL 11, 1994
DEL MONTE PLANT 35
WEST AND EAST PARCELS
EMERYVILLE, CALIFORNIA

CH2M HILL

BAE28830.P2.03

Figure 3 - TCE Concentrations in Groundwater
(Monitoring Well MW-8/Sample Port SP-D)



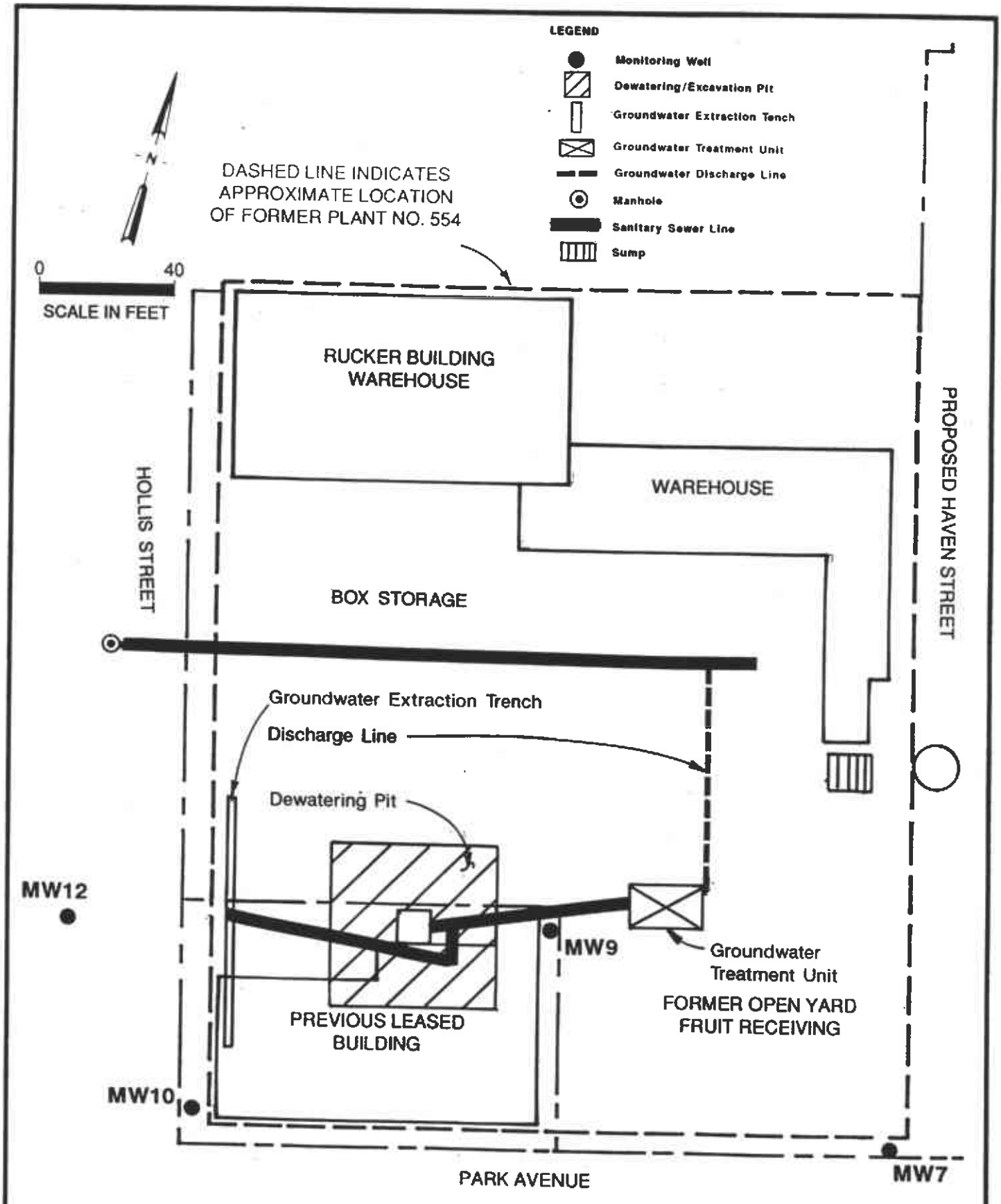
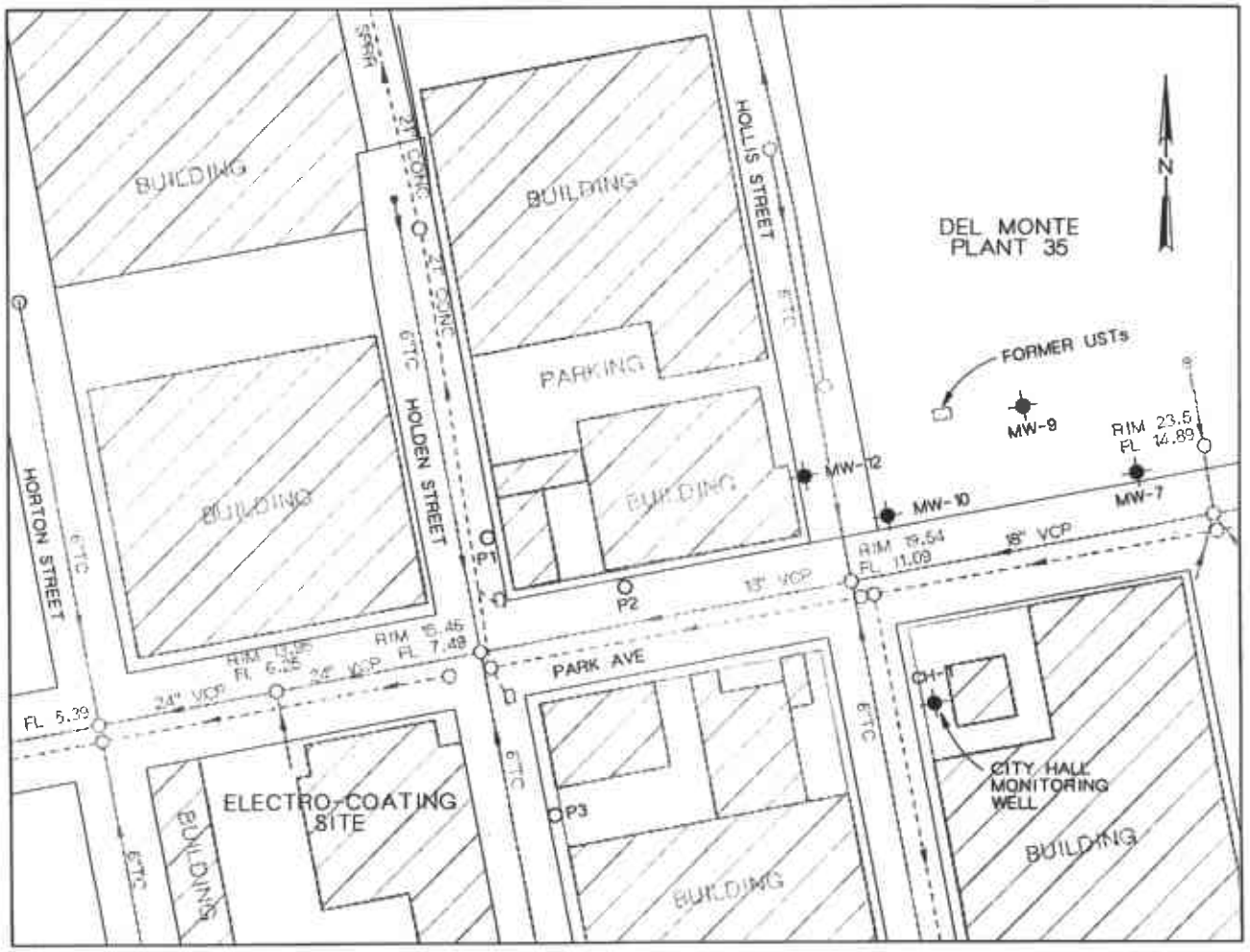


FIGURE 4
DEL MONTE PLANT 35
GROUNDWATER EXTRACTION SYSTEM
Emeryville, California



LEGEND:

APPROXIMATE BUILDING LOCATION

MW-11 EXISTING MONITORING WELL

P-1 PIEZOMETER

0 100' 200' 300'

SCALE: 1" = 100'

FIGURE 5
PIEZOMETER LOCATIONS
DEL MONTE PLANT 35
EMERYVILLE, CALIFORNIA

CH2M HILL

H:\SFO28830\28830F05.DGN

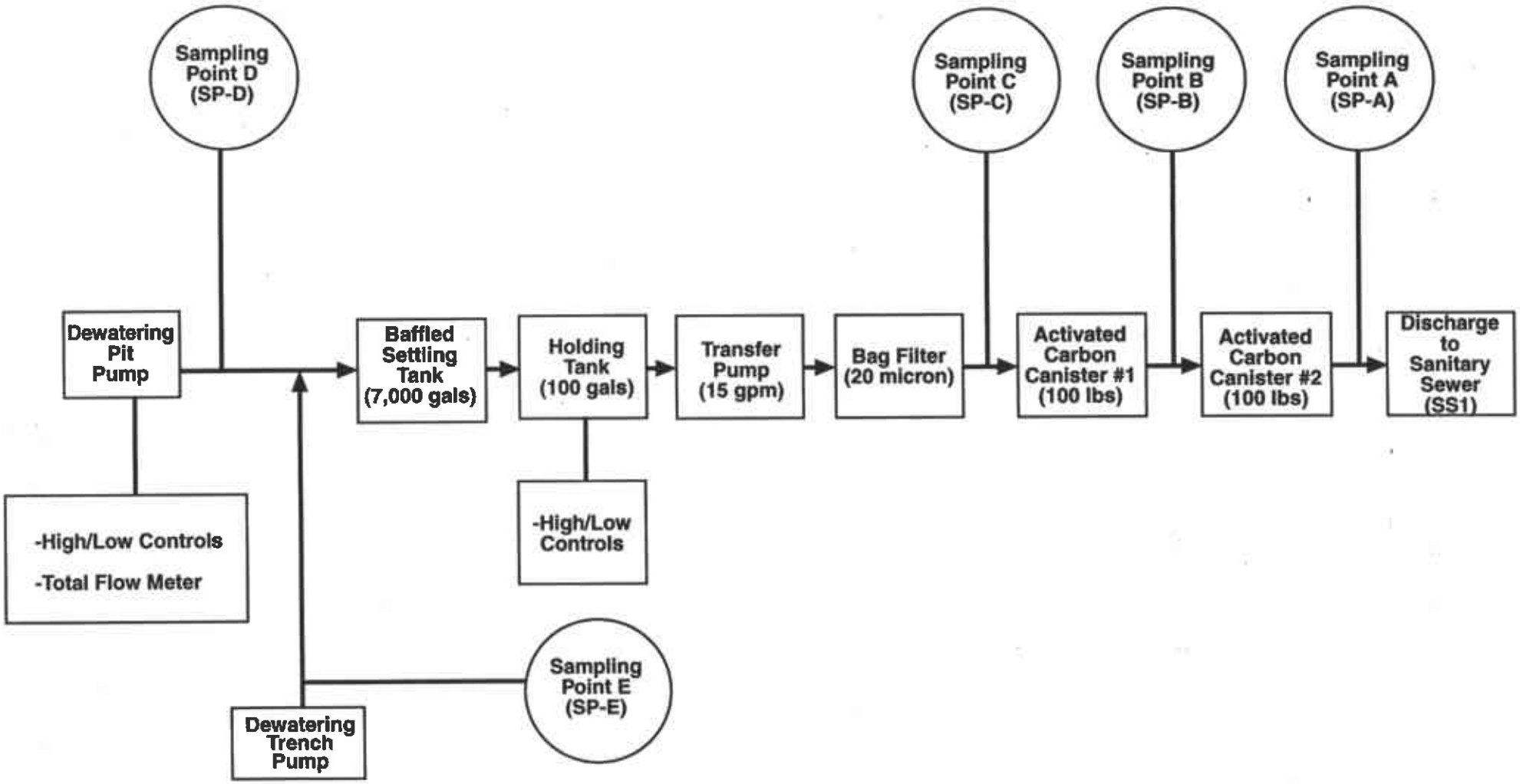


Figure 6
DEL MONTE PLANT 35
GROUNDWATER TREATMENT UNIT

BAE28830.P3.ZZ

ATTACHMENT A

Analytical Laboratory Reports

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1994 *Submission #:* 9410215

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DELMONTE 35 *Project#:* 941017-M1
Received: October 17, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample ID: MW-7
Spl#: 66977 *Matrix:* WATER
Sampled: October 17, 1994 *Run#:* 4321 *Analyzed:* October 24, 199
Method: EPA 8010 BY 8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	123
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	2.2	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	16	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	11	0.5	N.D.	100
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	10	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	105
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1994 *Submission #:* 9410215

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DELMONTE 35 *Project#:* 941017-M1
Received: October 17, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample ID: MW-9
Spl#: 66978 *Matrix:* WATER
Sampled: October 17, 1994 *Run#:* 4321 *Analyzed:* October 24, 1994
Method: EPA 8010 BY 8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	2.2	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	123
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	0.6	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	35	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	14	0.5	N.D.	100
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	24	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	105
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1994 *Submission #:* 9410215

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DELMONTE 35 *Project#:* 941017-M1
Received: October 17, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample ID: MW-10
Spl#: 66979 *Matrix:* WATER
Sampled: October 17, 1994 *Run#:* 4321 *Analyzed:* October 24, 199
Method: EPA 8010 BY 8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	123
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	1.6	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	19	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	37	0.5	N.D.	100
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	19	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	105
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

CHROMALAB, INC.

Environmental Services (SDB)

October 25, 1994 *Submission #:* 9410215

CH2M HILL OAKLAND

Atten: Madeline Wall

Project: DELMONTE 35 *Project#:* 941017-M1
Received: October 17, 1994

re: One sample for Volatile Halogenated Organics analysis.

Sample ID: MW-12
Spl#: 66980 *Matrix:* WATER
Sampled: October 17, 1994 *Run#:* 4321 *Analyzed:* October 24, 199
Method: EPA 8010 BY 8260

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	123
METHYLENE CHLORIDE	N.D.	5.0	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	1.1	0.5	N.D.	100
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	0.9	0.5	N.D.	--
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	105
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
TRICHLOROTRIFLUOROETHANE	N.D.	0.5	N.D.	--

Aaron McMichael
Chemist

Ali Kharrazi
Organic Manager

QUALITY ANALYTICAL
LABORATORIES, INC.

October 14, 1994

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

RE: Analytical Data for: **Del Monte**
Laboratory Reference Number: **R8837**

Dear Mr. Schoen:

On **October 1, 1994**, QAL, Inc. received samples with a request for analysis. The analytical results and associated quality control data are enclosed.

It is our policy to store your samples for 30 days from the date of this letter. If extended storage is required, special arrangements can be accommodated upon early notification. The disposition of samples identified as hazardous will require special handling and you will be contacted if necessary.

QAL, Inc. appreciates your business and looks forward to serving you again. If you have any questions concerning your report or need any additional information, please call me at **(916) 244-5227**.

Sincerely,

Bryan Jones

Bryan Jones
Project Manager/Client Services

cem
Enclosures

xc: Mr. Bern Baumgartner

TABLE OF CONTENTS

QAL Reference No. R8837

ORGANIC LAB SAMPLE ID QUALIFIERS

The qualifiers that may be appended to the Lab 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 re-analyzed. Both results are reported.

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

RE Re-extraction Analysis. The sample was re-extracted and re-analyzed.

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)

DUP Duplicate extraction and analysis. The sample was extracted and analyzed in duplicate.

Quality Analytical Laboratories Inc.
5090 Caterpillar Road
Redding, CA 96003-1412
916 244-5227
Fax No. 916 244-4109

ORGANIC ANALYSIS METHODS

✓ Check appropriate analysis method(s) and/or preparation method(s)

QAL Lab Reference No. R8837

Parameter		Method	Method Source
Halogenated Volatile Organics	☒	601	40 CFR 136
	☐	5030A/8010A	SW-846, 3rd Ed.
Aromatic Volatile Organics	☐	602	40 CFR 136
	☐	5030A/8020	SW-846, 3rd Ed.
Phenols - Determinative	☐	604	40 CFR 136
	☐	8040A	SW-846, 3rd Ed.
- *Extraction*	☐	3520A/3550	SW-846, 3rd Ed.
- *Clean-Up*	☐	3640/3650A	SW-846, 3rd Ed.
Chlor. Pest./PCB - Determinative	☐	608	40 CFR 136
	☐	8080	SW-846, 3rd Ed.
	☐	CLP	SOW OLM01.9
- *Extraction*	☐	3520A/3550	SW-846, 3rd Ed.
- *Clean-Up*	☐	3620A/3640/3660A	SW-846, 3rd Ed.
Organo-P Pesticides - Determinative	☐	8140A	SW-846, 3rd Ed.
- *Extraction*	☐	3520A/3550	SW-846, 3rd Ed.
- *Clean-Up*	☐	3620A/3640	SW-846, 3rd Ed.
Chlorinated Herbicides	☐	8150A	SW-846, 3rd Ed.
Volatile Organics	☐	624	40 CFR 136
	☐	524.2	EPA-600/4-88-039, 10/93
	☐	8240A	SW-846, 3rd Ed.
	☐	CLP	SOW OLM01.9
Volatile Organics, Low Level	☐	CLP	Superfund Analytical Methods for Low Concentration Water for Organics Analysis, 10/92
Volatile Organics by GC/MS	☐	8260	SW-846. 3rd Ed.
Semivolatile Org.- Determinative	☐	625	40 CFR 136
	☐	8270A	SW-846, 3rd Ed.
	☐	CLP	SOW OLM01.9
- *Extraction*	☐	3520A/3550/3580A	SW-846, 3rd Ed.
- *Clean-Up*	☐	3640/3650A/3660A	SW-846, 3rd Ed.

Each of the extraction methods indicated applies only to samples of the appropriate matrix.

The clean-up methods indicated do not necessarily apply to all samples in the deliver group. Refer to the case narrative or sample report for specific information.

Parameter	Method	Method Source
PAH - Determinative	☐ 610	40 CFR 136
	☐ 8310	SW-846, 3rd Ed.
- *Extraction*	☐ 3520A/3550	SW-846, 3rd Ed.
- *Clean-Up*	☐ 3630A	SW-846, 3rd Ed.
Chlorinated Phenols (CPAR)	☐ Internal	CPAR Project Report 825-1, Canadian Pulp and Paper Research Institute, 3/79
PCBs/Oil	☐ Internal	EPA-600/4-81-045
TFH/Gasoline	☐ CA LUFT	CA LUFT Manual, 5/88
	☐ AK Modified GRO	ADEC PUBL-AK 101, 2/93
	☐ WI Modified GRO	WI DNR PUBL-SW-140, 7/93
TFH/Diesel	☐ CA LUFT	CA LUFT Manual, 5/88
	☐ AK Modified DRO	ADEC PUBL-AK 101,1/93
	☐ WI Modified DRO	WI DNR PUBL-SW-141, 7/93
Formaldehyde	☐ 8315	SW-846 3rd Ed., Proposed Update II, 11/92
TCLP Extraction	☐ 1311	SW-846, 3rd Ed.

Each of the extraction methods indicated applies only to samples of the appropriate matrix.

The clean-up methods indicated do not necessarily apply to all samples in the deliver group. Refer to the case narrative or sample report for specific information.

Sample ID Cross-reference Table

QAL, Inc. Lab Sample ID		Client Sample ID	Collect Date	Sample Matrix	Additional Description
R8837001	FS	SP-A	09/30/94	Water	
R8837002	FS	SP-B	09/30/94	Water	
R8837003	FS	SP-D	09/30/94	Water	
R8837004	FS	SP-E	09/30/94	Water	

Quality Analytical Laboratories Inc.
5090 Caterpillar Road, Redding, CA 96003-1412
916 244-5227
Fax No. 916 244-4109

CASE NARRATIVE FOR HALOCARBONS

LABORATORY : QAL

CLIENT : DECON ENVIRONMENTAL
Del Monte

CASE NO. : N/A

CONTRACT NO.: N/A

LAB REF. NO.: R8837

SDG NO. : R8837

I. RECEIPT

A. Date: October 1, 1994

B. Sample Information:

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLE MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
R8837001	SP-A	WATER	09/30/94	N/A	10/03/94
R8837002	SP-B	WATER	09/30/94	N/A	10/04/94
R8837003	SP-D	WATER	09/30/94	N/A	10/03/94
R8837004	SP-E	WATER	09/30/94	N/A	10/03/94
VWB21003	VWB21003	WATER	N/A	N/A	10/03/94
VWB21004	VWB21004	WATER	N/A	N/A	10/04/94

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 : No exceptions were encountered.

IV. QUALITY CONTROL

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

B. Surrogate Recoveries : The surrogate recoveries met QC acceptance criteria.

Quality Analytical Laboratories Inc.
5090 Caterpillar Road, Redding, CA 96003-1412
916 244-5227
Fax No. 916 244-4109

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.

Mark Geers (for Brian Geers) 10/4/94

Brian Geers **Date**
Manager, Organics Division

Quality Analytical Laboratories Inc.
5090 Caterpillar Road, Redding, CA 96003-1412
916 244-5227
Fax No. 916 244-4109

Report of Analytical Data - Halocarbons

Client: DECON ENVIRONMENTAL
Project: Del Monte
Proj No: N/A
Method: EPA 601(MOD)
Matrix: Water
Sampler: P. Schoen

Laboratory: QAL
Lab Sample ID: R8837001
% Moisture: N/A
Dilution Factor: 1
Instrument ID: VARIAN-3600

Date Sampled: 09/30/94
Date Received: 10/01/94
Date Extracted: N/A
Date Analyzed: 10/03/94
Analyst: J.W.
Date Reported: 10/04/94

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:

Approved by:

FORM I

mjj.002

Report of Analytical Data - Halocarbons

Client:	DECON ENVIRONMENTAL	Laboratory:	QAL	Date Sampled:	09/30/94
Project:	Del Monte	Lab Sample ID:	R8837002	Date Received:	10/01/94
Proj No:	N/A	% Moisture:	N/A-	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	10/04/94
Matrix:	Water	Instrument ID:	VARIAN-3600	Analyst:	J.W.
Sampler:	P. Schoen			Date Reported:	10/07/94

Client Sample ID/Description: SP-8

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	1.8	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		92	% rec.

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

Comments:

Approved by:

FORM I

mjj.002

Report of Analytical Data - Halocarbons

Client: DECON ENVIRONMENTAL
Project: Del Monte
Proj No: N/A
Method: EPA 601(MOD)
Matrix: Water
Sampler: P. Schoen

Laboratory: QAL
Lab Sample ID: R8837003
% Moisture: N/A
Dilution Factor: 1
Instrument ID: VARIAN-3600

Date Sampled: 09/30/94
Date Received: 10/01/94
Date Extracted: N/A
Date Analyzed: 10/03/94
Analyst: J.W.
Date Reported: 10/04/94

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	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	2.5	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	2.5	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		92	% rec.

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

Comments:

Approved by:

FORM I

Quality Analytical Laboratories Inc.
5090 Caterpillar Road, Redding, CA 96003-1412
916 244-5227
Fax No. 916 244-4109

Report of Analytical Data - Halocarbons

Client:	DECON ENVIRONMENTAL	Laboratory:	QAL	Date Sampled:	09/30/94
Project:	Del Monte	Lab Sample ID:	R8837004	Date Received:	10/01/94
Proj No:	N/A	% Moisture:	N/A	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	10/03/94
Matrix:	Water	Instrument ID:	VARIAN-3600	Analyst:	J.W.
Sampler:	P. Schoen			Date Reported:	10/04/94

Client Sample ID/Description: SP-E

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	2.6		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	2.8		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		99		% rec.

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

Comments:

Approved by:

FORM 1

mjj.002

Report of Analytical Data - Halocarbons

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

Laboratory: QAL
Lab Sample ID: VW821003
% Moisture: N/A
Dilution Factor: 1
Instrument ID: VARIAN-3600

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 10/03/94
Analyst: J.W.
Date Reported: 10/04/94

Client Sample ID/Description: VW821003

CAS Number	Compound	Reporting Limit	Method Blank 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		87	% rec.

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

Comments:

Approved by:

FORM 1

mjj.002

Quality Analytical Laboratories Inc.
5090 Caterpillar Road, Redding, CA 96003-1412
916 244-5227 Fax No. 916 244-4109

Report of Analytical Data - Halocarbons

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

Laboratory: QAL
Lab Sample ID: VWB21004
% Moisture: N/A
Dilution Factor: 1
Instrument ID: VARIAN-3600

Date Sampled: N/A
Date Received: N/A
Date Extracted: N/A
Date Analyzed: 10/04/94
Analyst: J.W.
Date Reported: 10/07/94

Client Sample ID/Description: VWB21004

CAS Number	Compound	Reporting Limit	Method Blank 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		95	% rec.

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

Comments:

Approved by:

FORM I

mjj.002

Quality Analytical Laboratories Inc.
5090 Caterpillar Road, Redding, CA 96003-1412
916 244-5227
Fax No. 916 244-4109

CH2M HILL

QUALITY ANALYTICAL LABORATORIES

CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

CH2M HILL Project #:

Purchase Order #: 943

Project Name: DEL MONTE PLANT 31

Company Name/CH2M HILL Office: DECON ENVIRONMENTAL

Project Manager & Phone #: Mr. [X] P. SCHOEN; Ms. [ ]; Dr. [ ] 512-732-6444

Report Copy to: P. SCHOEN; B. BALKGARTNER/HILL SF

Requested Completion Date: STD TAT

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

Sample Disposal: Dispose [ ] Return [ ]

LAB TEST CODES: EPA 601

SHADED AREA – FOR LAB USE ONLY

Lab 1 #: R8837

Lab 2 #:

Quote #:

Kit Request #:

Project #:

No. of Samples:

Page:

of:

COC Rev:

Login:

LIMS Ver:

Acct Gen:

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	# OF CONTAINERS	ANALYSES REQUESTED	REMARKS	LAB 1 ID	LAB 2 ID
4-30-94	12:24	X		X		S P - A	4	X	TRENCH EFFLUENT		
	12:29	X		X		S P - B	4	X			
	12:32	X		X		S P - D	4	X			
	12:35	X		X		S P - E	4	X			

Sampled By & Title: P. SCHOEN PROJ. MGR. — Date/Time: 4-30-94 13:30

Relinquished By (Please sign and print name): P. SCHOEN — Date/Time: 4-30-94 13:30

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): Linda Kolar — Date/Time: 5-1-94 10:45

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

Work Authorized By (Please sign and print name):

Remarks:

HAZWRAP/NESSA: Y N

QC Level: (1) 2 3 Other ____

COC Rec: Y — ICE: Y

Ana Req: Y — TEMP: 2°C

Cust Seal: Y — Ph:

600000

Instructions and Agreement Provisions on Reverse Side

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

REV 11/92 FORM 340

ATTACHMENT B

GET System Inspection Logs

Del Monte Plant #35 Date: 7.29.94

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	5.51	ft.	8:13	time
PW-2	4.66	ft.	8:13	time

Monitoring Wells -

MW-7	7.30	ft.	8:04	time
MW-9	9.42	ft.	8:10	time
MW-10	7.18	ft.	8:08	time
MW-11	n/a	ft.	-	time

Total GET Effluent 222,946.7 gal. 8:14 time

Time req'd: 15 min.

GET System:

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

Before bag filter: 24 psi.

After bag filter: 4 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

Del Monte Plant #35 Date: 7-29-94

If wet spots are noted, briefly describe location. water is leaking through primary carbon vessel lid (rust hole)

Was sampling performed? Yes ____ No 2

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

A_____ B_____ C_____ D_____

Time req'd: 5 min

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

Misc. Field Notes: System turned OFF due to leak in carbon vessel. No data prior week.

Name (printed): P. Sullivan Signature: P. Sul

Start Time: 7:30 Finish Time: 8:15

DECON

Del Monte Plant #35

Date: 8-11-94

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	10.07	ft.	1043	time
PW-2	9.39	ft.	10:44	time
PW-3	11.69		10:49	

Monitoring Wells -

MW-7	7.74	ft.	10:27	time
MW-9	11.44	ft.	10:37	time
MW-10	8.76	ft.	10:31	time
~~MW-11~~ P	10.29	ft.	10:40	time

Total GET Effluent 2264367 gal. 10:47 time

Time req'd: 25 min

GET System:

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

Before bag filter: 16.5 psi.

After bag filter: 18 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

Del Monte Plant #35 Date: 8.11.94

If wet spots are noted, briefly describe location. _____

Was sampling performed? Yes ____ No 9

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

A_____ B_____ C_____ D_____

Time req'd: 5 min

Was any maintenance performed on any of the equipment? If so, please describe in detail work performed and time required. Started PW-3 @ 10:45 Replace Removed primary carbon vessel, moved secondary carbon vessel into primary position and placed new carbon vessel in secondary position.

Misc. Field Notes: _____

Name (printed): P. SCHOON Signature: P. Schoon

Start Time: 7:30 am Finish Time: 11:05

DECON

rev. 3/93

Del Monte Plant #35 *Date:* 8.19.94

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	10.34 ft.	7:19	time
PW-2	9.47 ft.	7:20	time
PW-3	20.40	7:21	

Monitoring Wells -

MW-7	8.22 ft.	7:13	time
MW-9	12.90 ft.	7:16	time
MW-10	12.62 ft.	7:10	time
MW-11	n/a ft.	~~7:10~~	time
P-2	7.48	7:06	

Total GET Effluent 2379218 gal. 7:21 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: 15 psi.

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

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: 8.19.94

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: 10 min

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. Schl

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

DECON

Del Monte Plant #35

Date: 8.24.94

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	10.21 ft.	6:51	time
PW-2	9.42 ft.	6:52	time
	11.36	6:50	

Monitoring Wells -

				DEPTH	TIME
MW-7	7.79 ft.	6:46	time	P-1 6.58	6:33
MW-9	11.37 ft.	6:48	time	P-2 can	
MW-10	8.74 ft.	6:44	time	P-3 can.	
MW-11	8.34 ft.	6:40	time		

Total GET Effluent 2399.506 gal. 6:54 time

Time req'd: 25 min

GET System:

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

Before bag filter: 16 psi.

After bag filter: 15 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 [illegible]

Were [illegible] originated from GET [illegible]

Del Monte Plant #35 Date: 8.24.94

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: 5 min.

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

Pump in PW-3 (truck) was not running. The electrical connection pulled apart. It was reassembled and the pump was running upon departure.

Misc. Field Notes: _____

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

Start Time: 6:30 Finish Time: 7:00

DECON

rev. 3/93

Del Monte Plant #35

Date: 9/2/94

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	6.73 ft.	7:03	time
PW-2	7.58 ft.	7:02	time
	10.80	7:01	

Monitoring Wells -

MW-7	7.49 ft.	7:00	time	P1	6.39	6:41
MW-9	10.35 ft.	6:57	time	P2	6.36	6:36
MW-10	8.02 ft.	6.53	time	P3	5.69	6:44
MW-11	ft.		time	MW-12	7.66	6:50

Total GET Effluent 2447,396 gal. 7:04 time

Time req'd:

GET System:

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

	BEFORE	AFTER
Before bag filter:	26 psi.	16
After bag filter:	1 psi.	16

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes d 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: 9/2/94

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: 10 min.

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

Misc. Field Notes: FILTER WAS LOADED - VERY LOW FLOW. WELL DEPTH MEASUREMENTS ARE THEREFORE INDICATIVE OF STATIC LEVELS.

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

Start Time: 6:30 Finish Time: 7:15

DECON

rev. 3/93

Del Monte Plant #35 Date: 7 SEP 1994

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	10.34 ft.	7:39	time
PW-2	9.50 ft.	7:40	time
	12.30	7:38	

Monitoring Wells -

MW-7	8.06 ft.	7:52	time	P-1	6.81	7.18
MW-9	11.99 ft.	7:36	time	P-2	7.03	7.14
MW-10	9.54 ft.	7:28	time	P-3	6.98	7.21
MW-12	9.14 ft.	7:25	time			

Total GET Effluent 2510.234 gal. 7:41 time

Time req'd: 25 min

GET System:

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

Before bag filter: 16 psi.

After bag filter: 16 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. 1/92

Del Monte Plant #35 Date: 7 SEP 1994

If wet spots are noted, briefly describe location. Lid has small crack in primary carbon vessel.

Was sampling performed? Yes ___ No X

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

A___ B___ C___ D___

Time req'd: 5 min

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

Misc. Field Notes: Pump on P-3 not working. Checked pump. Possibly, pump overheated or plant stuck. Pump working OK. System shut down at 8:13 for repair to carbon vessel. - 9/8/94 Replaced lid and restarted system at 16:00 on 9.7.94 Repair took ½ hour. - 9/8/94 Checked system operation and pump in P-3 not working. Removed pump.

Name (printed): P Scibetta Signature: P. Sc

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

DECON

rev. 1/93

TOTAL P.05

Del Monte Plant #35 Date: 9-24-94

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	10.27 ft.	7:12 time	
PW-2	9.42 ft.	7:13 time	
(ET) PW-3	17.38	7:11	

Monitoring Wells -

				Depth	Time
MW-7	8.41 ft.	7:06 time	P-1	6.93	6:47
MW-9	12.89 ft.	7:09 time	P-2	covered by vac	
MW-10	12.11 ft.	6:59 time	P-3	6.05	6:57
MW-12	11.35 ft.	6.55 time			

Total GET Effluent 2694 034 gal. 7:14 time

Time req'd: 20 min

GET System:

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

Before bag filter: 18 psi. 13.5

After bag filter: 8 psi. 12

If the pressure differential across the bag filter is greater than 15 psi., was the filter bag exchanged? Yes ox 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: 9.24-94

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: 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: Cleaned algae from tank

Name (printed): _____ Signature: _____

Start Time: 6:45 Finish Time: 7:45

DECON

rev. 1/93

Del Monte Plant #35 *Date:* 10-1-94

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.	7:29	time
PW-2	9.33 ft.	7:30	time
PW-3	19.70	7:28	

Monitoring Wells -

				Depth	time
MW-7	8.51 ft.	7:23 time	P-1	7.12	7:14
MW-9	13.04 ft.	7:27 time	P-2	7.54	7:07
MW-10	12.50 ft.	7:20 time	P-3	8.17	7:10
MW-12	11.70 ft.	7:17 time			

Total GET Effluent 2,770,060 12:40 on 9.30.94
2779,720 gal. 7:31 time

Time req'd: 35 min

GET System:

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

Before bag filter: 13.5 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 ✓

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: 10.1.94

If wet spots are noted, briefly describe location. _____

Was sampling performed? Yes ✓ No ___ on 9.30.94 @ ~ 12:30

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

A ✓ B ✓ C ___ D ✓ & ✓

Time req'd: 80 min

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. Schoen

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

DECON

rev. 1/93

Del Monte Plant #35 *Date:* 10.7.94

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.	7:42 time			
PW-2	9.44 ft.	7:43 time			
PW-3	11.29	7:41			

Monitoring Wells -

				DEPTH	TIME
MW-7	7.92 ft.	7:37 time	P-1	6.43	7:21
MW-9	11.70 ft.	7:40 time	P-2	covered by can	
MW-10	8.64 ft.	7:34 time	P-3	5.68	7:18
MW-12	8.21 ft.	7:28 time			

Total GET Effluent 2811709 gal. 7:44 time

Time req'd: 35 min

GET System:

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

Before bag filter: 13.5 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 ∅

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: 10 7.94

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: 10 min

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

Misc. Field Notes: Pump in extraction trench not working. Removed and tested. Will replace again.

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

Start Time: 705 Finish Time: 715

DECON

Del Monte Plant #35

Date: 10/14/94

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	10.21 ft.	7:10 time	
PW-2	9.35 ft.	7:11 time	
P-3	14.36	7:09	

Monitoring Wells -

				DEPTH	HEIGHT FROM TOP OF CASING TO GRADE Ht. Gw.	TIME
MW-7	8.31 ft.	7:03 time	P-1	6.89	3 2/16"	6:4
MW-9	12.89 ft.	7:06 time	P-2	7.32	4.0"/16	6:58
MW-10	12.96 ft.	7:00 time	P-3	5.80	2 9/16"	6:43
MW-12	11.62 ft. 3 4/16"	6:56 time				

Total GET Effluent 3881,810 gal. 7:12 time

Time req'd: 40 min

GET System:

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

Before bag filter: 14 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 V

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

Post-it® Fax Note 7671		Date 10.17.94	# of pages ▶ 2
To MADELINE WALL		From PETER	
Co./Dept. CH2M HILL		Co. DECON	
Phone # 510.251-2888 x2189		Phone # 510-782-8444	
Fax # 510-893-8205		Fax # 510-782-8584	

DECON

rev. 3/93

Del Monte Plant #35

Date: 10/14/94

If wet spots are noted, briefly describe location. _____

Was sampling performed? Yes ____ No K

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

A_____ B_____ C_____ D_____

Time req'd: 5 min

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

Misc. Field Notes: Well extraction pumps shut off to allow pump-out of purge water drums into system. Pumps shut off at 7:15a.

Name (printed): _____ Signature: _____

Start Time: 6:35 Finish Time: 7:20

DECON

Del Monte Plant #35 Date: 10.21.94

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	10.26 ft.	7:33 time	
PW-2	9.70 ft.	7:34 time	
	15.89	7:08	

Monitoring Wells -

				DEPTH	TIME
MW-7	8.30 ft.	7:28 time	P-1	covered	
MW-9	12.60 ft.	7:31 time	P-2	covered	
MW-10	11.52 ft.	7:25 time	P-3	5.42	7:16
MW-12	10.91 ft.	7:22 time			

Total GET Effluent 2930 534 gal. 7:35 time

Time req'd: 30 min

GET System:

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

Before bag filter: 15 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 ____

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: 10.21.94

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: 10 min

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

_____

_____

_____

Misc. Field Notes: low in PW-3 16.41 ft. @ 7:45

_____

_____

_____

_____

_____

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

Start Time: 7:05 Finish Time: 8:00

DECON

rev. 1/93