Engineers
Planners
Economists
Scientists

January 31, 1994

SFO28830.A2

Mr. Brian Oliva
Hazardous Materials Specialist
Alameda County Department of Environmental Health
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. 2118).

Sincerely,

CH2M HILL

Bern Baumgartner
Environmental Engineer

cc: Mr. Rich Hiett/RWQCB
Mr. Ravi Arulanantham/ACDEH/RWQCB
Mr. Stan Archacki/EBMUD
Mr. Thomas Bender/Del Monte
Mr. Lee Bosche/Del Monte
Mr. Soon Kim/Del Monte
Mr. Mark Zemelman/Kaiser
Mr. David Harnish/ENVIRON
Mr. Ken Lewis/CH2M HILL

kel\delmonte\plnt35\4qrtly93.doc

Engineers
Planners
Economists
Scientists

January 31, 1994

SFO28830.A2

Mr. Stan Archacki
East Bay Municipal Utility District
P.O. Box 24055
Oakland, CA 94623-1055

Subject: **Account No. 045-25783**
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. Archacki:

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. 2118).

Sincerely,

CH2M HILL

Bern Baumgartner
Environmental Engineer

cc: Mr. Rich Hiett/RWQCB
Mr. Brian Oliva/ACDEH
Mr. Ravi Arulanantham/ACDEH/RWQCB
Mr. Thomas Bender/Del Monte
Mr. Lee Bosche/Del Monte
Mr. Kim Soon/Del Monte
Mr. Mark Zemelman/Kaiser
Mr. David Harnish/ENVIRON
Mr. Ken Lewis/CH2M HILL

kel\delmonte\plnt35\4qrtly93.doc

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 December 21, 1993.

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 in 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.

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 December 21, 1993. Monitoring wells MW-7, MW-9, MW-10 and MW-11 were sampled as part of the quarterly monitoring program. The monitoring well locations are shown on Figure 1 and the monitoring analytical results from this and previous monitoring events are summarized on Table 1. Applicable State of California Maximum Contaminant Levels (MCLs) are also included at the bottom of Table 1. Laboratory analytical reports for the monitoring well samples are included in Attachment A.

The groundwater monitoring results from the December 21, 1993 event are generally consistent with recent, previous quarterly monitoring events. This may indicate that the reduction of chlorinated hydrocarbon concentrations in groundwater beneath Plant 35 are approaching asymptotic levels. Figure 2 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 groundwater extraction and treatment (GET) system. Figure 2 indicates that TCE concentrations have stabilized in the area of the former tanks containing chlorinated hydrocarbons.

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.

The 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). 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 collected monthly water samples from GET system sample ports SP-A, SP-B and SP-C during 1993 . The samples were analyzed for chlorinated hydrocarbons (EPA 601) and BTEX according to the requirements of Del Monte's Wastewater Discharge Permit. Table 2 summarizes the analytical results of the GET system samples; the laboratory reports for the samples collected during the fourth quarter are included in Attachment A. The GET system has been shut down since December 10, 1993 due to the expiration of the Wastewater Discharge Permit. Del Monte has renewed their Wastewater Discharge Permit and is planning to restart the GET system as soon as possible.

The 1993 results of the GET system sampling indicate that the GET system is effectively removing chlorinated hydrocarbons prior to discharge. BTEX compounds have not been detected in any of the GET system samples collected.

According to the summarized analytical results in Table 2, chlorinated hydrocarbon concentrations have been detected in the effluent stream of the first carbon canister (SP-

B) in each sampling event since February 26, 1993 and in the effluent stream of the second carbon canister (SP-A) for the April 6, 1993, May 4 1993, November 5 1993 and December 2, 1993 sample events. However, total chlorinated hydrocarbon concentrations in the GET system influent (SP-D) have not exceeded EBMUD's discharge limitation of 500 μg/l since start-up of the GET system on January 19, 1993. Therefore, the existing carbon canisters are currently not scheduled to be replaced.

The GET system was continuously operated during 1993 between January 14, 1993 and December 10, 1993 and was only shut down for short periods for occasional minor system maintenance. As of December 10, 1993, the GET system extracted and treated a total of 1,534,549 gallons of water at a rate of approximately 3.3 gallons per minute. GET system inspection logs since the last quarterly monitoring event are contained in Attachment B. EBMUD performed independent sampling and analysis of the GET system effluent (SP-A) on November 9, 1993 and no discharge limit violations were found; the analytical results for EBMUD's sampling event is included in Attachment A.

FUTURE ACTIVITIES

Del Monte will sample monitoring wells MW-7, MW-9, MW-10, and MW-11 for chlorinated hydrocarbons prior to restarting the GET system to evaluate groundwater quality under non-pumping conditions.

Del Monte will also continue quarterly monitoring of MW-7, MW-9, MW-10 and MW-11 for chlorinated hydrocarbons. The next quarterly monitoring event is scheduled for March 15, 1994. The next groundwater monitoring quarterly report is scheduled for completion by April 30, 1994.

Del Monte is currently preparing a Closure Workplan that will address all future remediation activities at Plant 35 necessary to obtain site closure. This workplan will be submitted to the Alameda County Department of Environmental Health and the Regional Water Quality Control Board for approval.

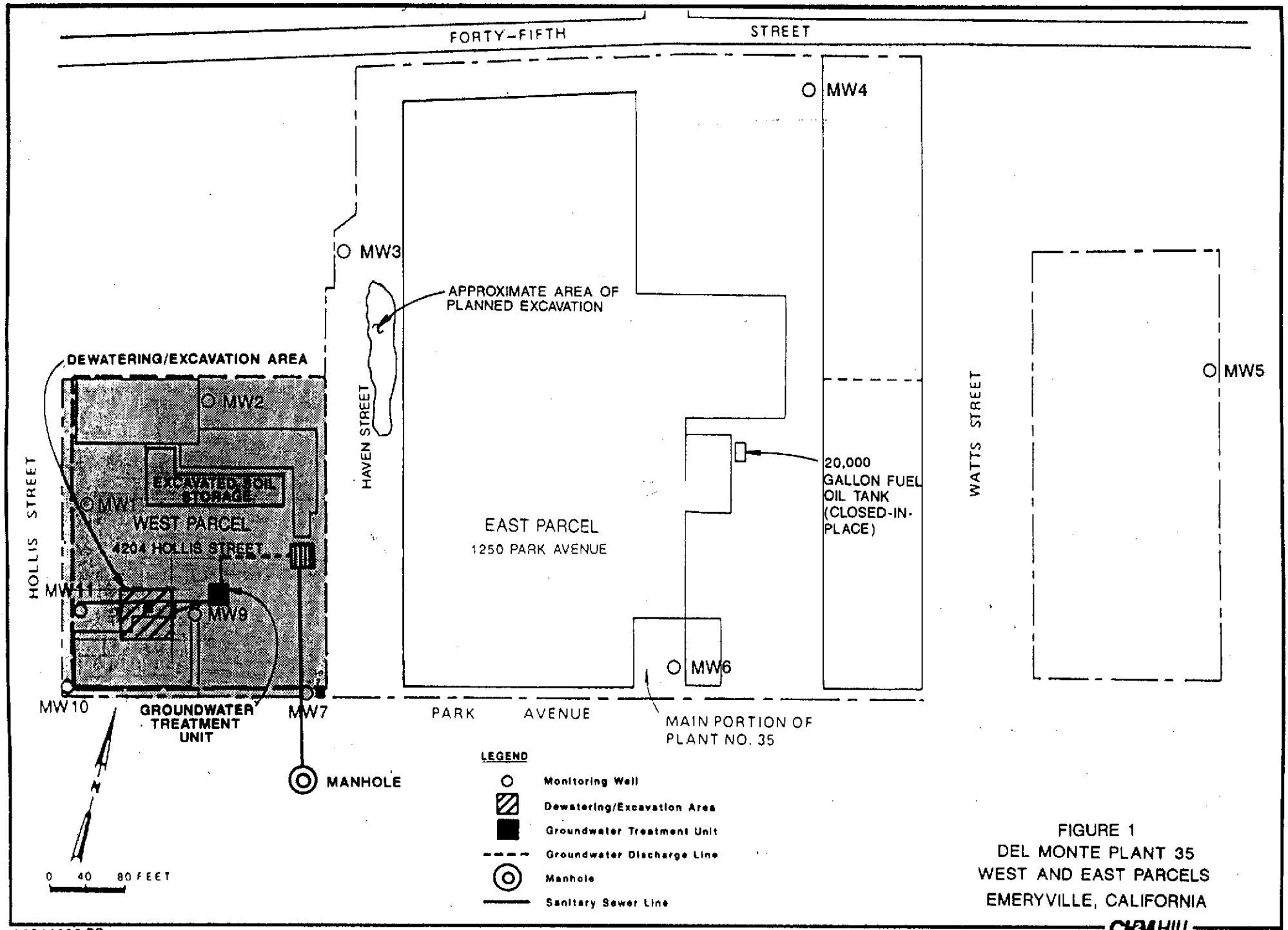


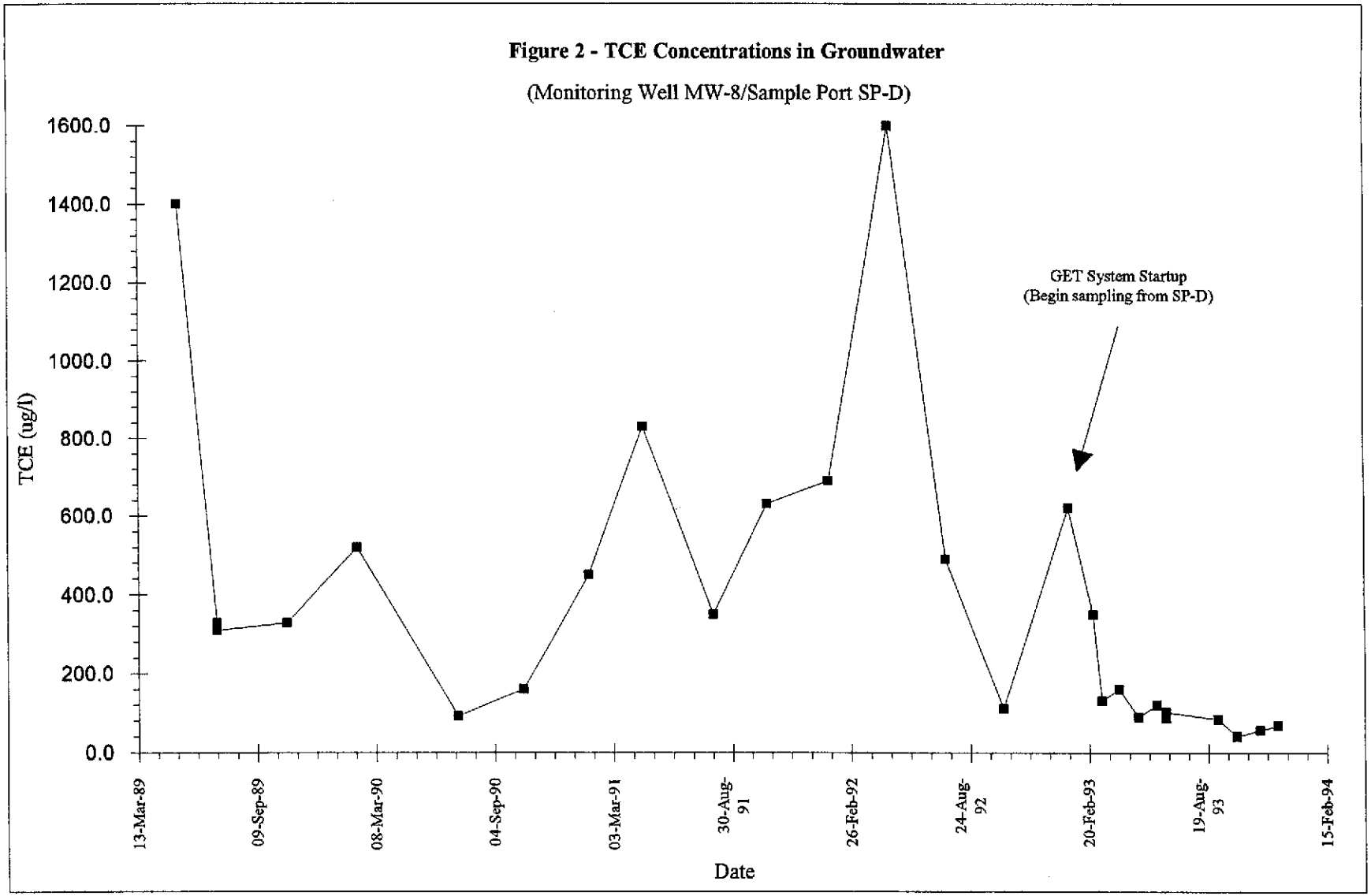
FIGURE 1
DEL MONTE PLANT 35
WEST AND EAST PARCELS
EMERYVILLE, CALIFORNIA

CH2M HILL

SFO28830.BB

Figure 2 - TCE Concentrations in Groundwater

(Monitoring Well MW-8/Sample Port SP-D)



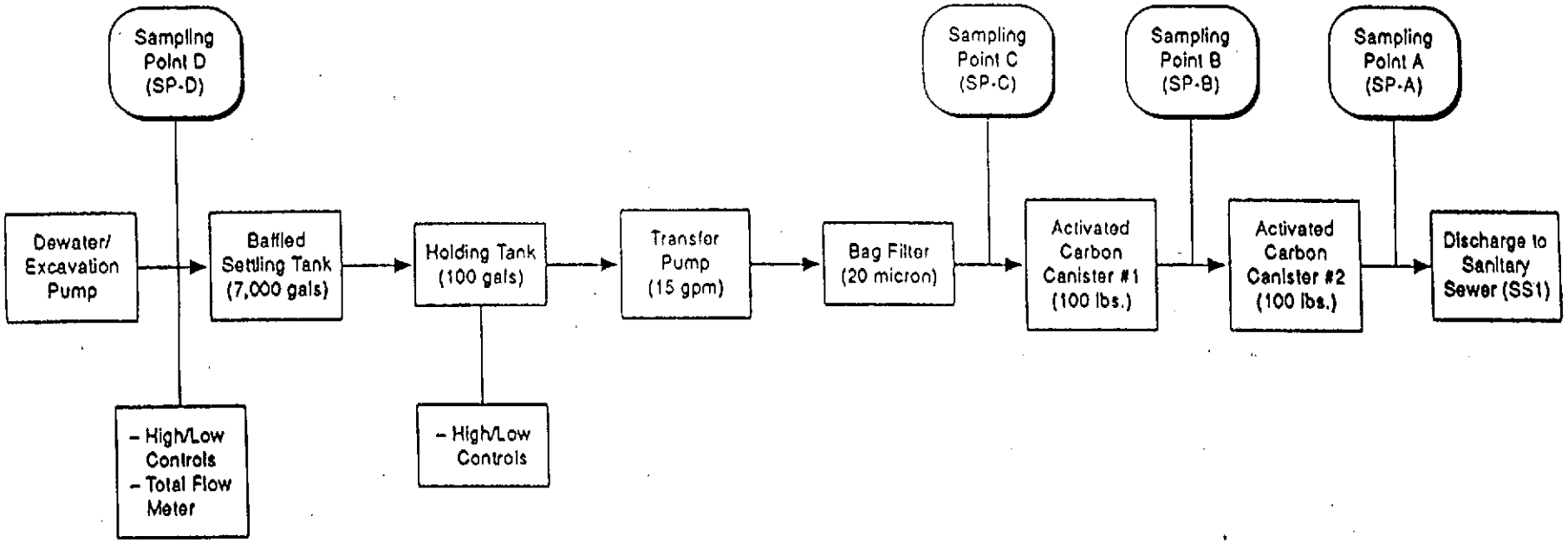


Figure 3
DEL MONTE PLANT 35
GROUNDWATER TREATMENT UNIT

CH2M HILL

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	<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
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	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	<1.0	<1.0	83.0	11.0	<1.0	<1.0
MW8 (SP-D)	01-Oct-93	<1.0	<1.0	<1.0	41.0	10.0	<1.0	<1.0
MW8 (SP-D)	05-Nov-93	<1.0	<1.0	<1.0	56.0	11.0	<1.0	<1.0
MW8 (SP-D)	02-Dec-93	<1.0	<1.0	<1.0	68.0	11.0	<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
MW9	12-Oct-92	41.0	<0.5	<0.5	17.0	36.0	3.0	<0.5

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)
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	<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
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	<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
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
MW11	17-Sep-93	<5.0	<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
	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

Filename: mwconc.xls

TABLE 2

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

Sample		Concentrations (ug/l)							
Port	Date	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
SP-A	29-Jul-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
SP-A	02-Sep-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
SP-A	01-Oct-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	< 1.0	< 1.0	< 1.0
SP-A	05-Nov-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	3.7	< 1.0	< 1.0
SP-A	02-Dec-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	13	< 1.0	< 1.0
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
SP-B	29-Jul-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	12	< 1.0	< 1.0
SP-B	02-Sep-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	42	< 1.0	< 1.0
SP-B	01-Oct-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	36	< 1.0	< 1.0
SP-B	05-Nov-93	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	67	< 1.0	< 1.0
SP-B	02-Dec-93	< 0.5	< 0.5	< 0.5	< 0.5	1.1	61	< 1.0	< 1.0
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
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
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
SP-D	02-Sep-93	< 0.5	< 0.5	< 0.5	< 0.5	11	83	< 1.0	< 1.0
SP-D	01-Oct-93	< 0.5	< 0.5	< 0.5	< 0.5	10	41	< 1.0	< 1.0
SP-D	05-Nov-93	< 0.5	< 0.5	< 0.5	< 0.5	11	56	< 1.0	< 1.0
SP-D	02-Dec-93	< 0.5	< 0.5	< 0.5	< 0.5	11	68	< 1.0	< 1.0

(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-Dichloroethylene (Total)

Filename: getsdata.xls

ATTACHMENT A

Analytical Laboratory Reports

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 29, 1993 ChromaLab File#: 9312272

CH2M HILL

Atten: Ken Lewis

Project: DEL MONTE PLANT 35 **Project#:** SFO28830.A2.ZZ
Submitted: December 21, 1993

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **MW-9** *Matrix:* WATER
Lab #: 39972-1938 *Sampled:* December 21, 1993 *Analyzed:* December 27, 1993
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	5.9	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	113
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	3.5	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	31	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	16	0.5	N.D.	111
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	34	0.5	N.D.	114
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	98
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 29, 1993 ChromaLab File#: 9312272

CH2M HILL

Atten: Ken Lewis

Project: DEL MONTE PLANT 35 **Project#:** SFO28830.A2.ZZ
Submitted: December 21, 1993

re: One sample for Volatile Halogenated Compounds analysis.

Sample: MW-7 *Matrix:* WATER
Lab #: 39973-1938 *Sampled:* December 21, 1993 *Analyzed:* December 27, 1993
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	1.9	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	113
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	2.3	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	18	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	17	0.5	N.D.	111
1,2-DICHLOROPROPANE	N.D.	0.5	N.D.	--
BROMODICHLOROMETHANE	N.D.	0.5	N.D.	--
2-CHLOROETHYLVINYL ETHER	N.D.	0.5	N.D.	--
TRANS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
CIS-1,3-DICHLOROPROPENE	N.D.	0.5	N.D.	--
1,1,2-TRICHLOROETHANE	N.D.	0.5	N.D.	--
TETRACHLOROETHENE	20	0.5	N.D.	114
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	98
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 29, 1993 ChromaLab File#: 9312272

CH2M HILL

Atten: Ken Lewis

Project: DEL MONTE PLANT 35 **Project#:** SFO28830.A2.ZZ
Submitted: December 21, 1993

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **MW-10** *Matrix:* WATER
Lab #: 39974-1938 *Sampled:* December 21, 1993 *Analyzed:* December 27, 1993
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	N.D.	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	113
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHANE	N.D.	0.5	N.D.	--
CHLOROFORM	N.D.	0.5	N.D.	--
1,1,1-TRICHLOROETHANE	N.D.	0.5	N.D.	--
CARBON TETRACHLORIDE	N.D.	0.5	N.D.	--
1,2-DICHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROETHENE	N.D.	0.5	N.D.	111
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	1.6	0.5	N.D.	114
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	98
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

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

CHROMALAB, INC.

Environmental Laboratory (1094)

5 DAYS TURNAROUND

December 29, 1993 ChromaLab File#: 9312272

CH2M HILL

Atten: Ken Lewis

Project: DEL MONTE PLANT 35 **Project#:** SFO28830.A2.ZZ
Submitted: December 21, 1993

re: One sample for Volatile Halogenated Compounds analysis.

Sample: **MW-11** *Matrix:* WATER
Lab #: 39975-1938 *Sampled:* December 21, 1993 *Analyzed:* December 27, 1993
Method: EPA 601

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE RESULT (%)
CHLOROMETHANE	N.D.	0.5	N.D.	--
VINYL CHLORIDE	6.1	0.5	N.D.	--
BROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROETHANE	N.D.	0.5	N.D.	--
TRICHLOROFLUOROMETHANE	N.D.	0.5	N.D.	--
1,1-DICHLOROETHENE	N.D.	0.5	N.D.	113
METHYLENE CHLORIDE	N.D.	5	N.D.	--
TRANS-1,2-DICHLOROETHENE	2.2	0.5	N.D.	--
CIS-1,2-DICHLOROETHENE	28	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	2.8	0.5	N.D.	--
TRICHLOROETHENE	220	0.5	N.D.	111
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	14	0.5	N.D.	114
DIBROMOCHLOROMETHANE	N.D.	0.5	N.D.	--
CHLOROBENZENE	N.D.	0.5	N.D.	98
BROMOFORM	N.D.	0.5	N.D.	--
1,1,2,2-TETRACHLOROETHANE	N.D.	0.5	N.D.	--
1,3-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,4-DICHLOROBENZENE	N.D.	0.5	N.D.	--
1,2-DICHLOROBENZENE	N.D.	0.5	N.D.	--
FREON 113	N.D.	0.5	N.D.	--

ChromaLab, Inc.

David Wintergrass
Chemist

Eric Tam
Laboratory Director

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

SUBM #: 9312272
CLIENT: CH2
DUE: 12/29/93
REF: 14559

CH2M HILL QUALITY ANALYTICS

CHAIN OF CUSTODY RECORD

PROJECT NUMBER: SF028830.A2.7Z
PROJECT NAME: Del Monte Plant 35
CLIENT NAME: Del Monte Foods
PROJECT MANAGER: Ken Lewis
COPY TO:
REQUESTED COMP. DATE: Standard TAT
SAMPLING REQUIREMENTS: SDWA ☐ NPDES ☐ RCRA ☐ OTHER ____
CLIENT ADDRESS AND PHONE NUMBER:

FOR LAB USE ONLY: LAB# / LAB# / PROJECT NO. / ACK / VERIFIED / QUOTE# / BS / NO. OF SAMP / PG / OF

STA NO.	DATE	TIME	COMP	GRAB	SOIL	SAMPLE DESCRIPTIONS (12 CHARACTERS)	# OF CONTAINERS	ANALYSES REQUESTED: EPA 601	LAB ID	REMARKS
Plt 35	12/21	11:30		X		MW-9	3	X		Standard TAT
Plt 35	12/21	12:15		X		MW-7	3	X		↓
Plt 35	12/21	12:30		X		MW-10	3	X		↓
Plt 35	12/21	12:57		X		MW-11	3	X		↓

SAMPLED BY AND TITLE: Ken Lewis Proj. Eng
DATE/TIME: 12/21/93 3:30 PM
RELINQUISHED BY: Ken [signature]
DATE/TIME: 12/21/93 4:40 PM

RECEIVED BY:
DATE/TIME:
RELINQUISHED BY:
DATE/TIME:

RECEIVED BY:
DATE/TIME:
RELINQUISHED BY:
DATE/TIME:

RECEIVED BY LAB: [signature]
DATE/TIME: 12/21/93 1640
SAMPLE SHIPPED VIA: UPS BUS FED-EX HAND OTHER ____
AIR BILL#

HAZWRAP/NEESA Y N
QC LEVEL 1 2 3
COC / ICE
ANA REQ / TEMP
CUST SEAL / Ph
SAMPLE COND.

REMARKS

ENTERED INTO LIMS ____
COC REVIEWED ____

NOTIFICATION OF TEST RESULTS

EAST BAY
MUNICIPAL UTILITY DISTRICT

MICHAEL J. WALLIS
DIRECTOR OF WASTEWATER

December 8, 1993

Del Monte Plant 35
c/o CH2M HILL
1111 Broadway Suite 1200
Oakland, CA 94607-4046

Sample Location: SS No. 1
Lab Number: 931109163
Sample Type: Grab @ 1355

Attention: Mr. Bern Baumgartner

Account No. 502-65111

EBMUD inspected your facility and sampled the wastewater discharged on November 9, 1993. The test results and corresponding discharge permit limitations are shown in the table below. No discharge limit violations were noted.

Parameter	Test Result mg/L	Limitation mg/L
Benzene	< 0.0005	0.005
Toluene	< 0.001	0.012
Ethylbenzene	< 0.001	0.005
Xylenes	< 0.001	0.011

If you have any questions regarding the inspection or the sample results, please contact me at (510)287-0333.

Sincerely,

Stan Archacki
Wastewater Control Representative
Source Control Division

SAA:saa

Attachments
cc:Mr. Mark Rosenquist
Del Monte Corporation
205 N. Wiget Lane
Walnut Creek, CA 94598

E B M U D L A B R E S U L T S

Account No.: -
Lab Number : 93 11 09 163
Sample Type: Grab

Station Name: DEL35
Side Sewer : 1

SILVER	<	.003	mg/L
ALUMINUM		.140	mg/L
ARSENIC	<	.060	mg/L
BORON		.300	mg/L
BARIUM		.088	mg/L
BERYLLIUM	<	.001	mg/L
CALCIUM		75.000	mg/L
CADMIUM	<	.003	mg/L
COBALT	<	.004	mg/L
CHROMIUM	<	.006	mg/L
COPPER	<	.006	mg/L
IRON		.060	mg/L
MERCURY	<	.010	mg/L
POTASSIUM	<	1.000	mg/L
LITHIUM		.015	mg/L
MAGNESIUM		34.000	mg/L
MANGANESE	<	.007	mg/L
MOLYBDENUM	<	.007	mg/L
SODIUM		51.000	mg/L
NICKEL	<	.010	mg/L
LEAD	<	.030	mg/L
ANTIMONY	<	.030	mg/L
SCANDIUM	<	.001	mg/L
SELENIUM	<	.070	mg/L
SILICON		16.000	mg/L
TIN	<	.020	mg/L
STRONTIUM		.480	mg/L
TITANIUM	<	.100	mg/L
THALLIUM		.050	mg/L
VANADIUM		.008	mg/L
ACROLEIN	<	5.000	ug/L
ACRYLONITRILE	<	5.000	ug/L
BENZENE	<	.500	ug/L
BROMODICHLOROMETHANE-GC/MS	<	.400	ug/L
BROMOFORM-GC/MS	<	.600	ug/L
BROMOMETHANE	<	1.000	ug/L
CARBON TETRACHLORIDE	<	.800	ug/L
CHLOROBENZENE	<	.900	ug/L
CHLOROETHANE	<	.800	ug/L
2-CHLOROETHYLVINYL ETHER	<	1.000	ug/L
CHLOROFORM	<	.300	ug/L
CHLOROMETHANE	<	1.000	ug/L
DIBROMOCHLOROMETHANE	<	.500	ug/L
1,2-DICHLOROBENZENE	<	.300	ug/L
1,3-DICHLOROBENZENE	<	.700	ug/L
1,4-DICHLOROBENZENE	<	.400	ug/L
1,1-DICHLOROETHANE	<	.400	ug/L
1,2-DICHLOROETHANE	<	1.000	ug/L
1,1-DICHLOROETHENE	<	1.000	ug/L
TRANS-1,2-DICHLOROETHENE	<	.600	ug/L
1,2-DICHLOROPROPANE	<	1.000	ug/L
CIS-1,2-DICHLOROPROPENE	<	1.000	ug/L

Account No.: -
Lab Number : 93 11 09 163
Sample Type: Grab

Station Name: DEL35
Side Sewer : 1

TRANS-1,3-DICHLOROPROPENE	<	.900	ug/L
ETHYL BENZENE	<	1.000	ug/L
METHYLENE CHLORIDE	<	1.000	ug/L
1,1,2,2-TETRACHLOROETHANE	<	.700	ug/L
TETRACHLOROETHENE	<	1.000	ug/L
TOLUENE	<	1.000	ug/L
1,1,1-TRICHLOROETHANE	<	1.000	ug/L
1,1,2-TRICHLOROETHANE	<	.700	ug/L
TRICHLOROETHENE		5.800	ug/L
VINYL CHLORIDE	<	1.000	ug/L
ACETONE	<	10.000	ug/L
DIBROMOCHLOROPROPANE	<	1.000	ug/L
ETHYLENE DIBROMIDE	<	.900	ug/L
METHYLETHYL KETONE	<	10.000	ug/L
METHYL ISOBUTYL KETONE	<	2.000	ug/L
STYRENE	<	.800	ug/L
TETRAHYDROFURAN	<	20.000	ug/L
FREON 113	<	.800	ug/L
SATURATED HYDROCARBONS	<	20.000	ug/L
UNSATURATED HYDROCARBONS	<	20.000	ug/L
AROMATIC HYDROCARBONS	<	20.000	ug/L
XYLENES	<	1.000	ug/L
1,2,4-TRICHLOROBENZENE	<	.800	ug/L
FLUOROTRICHLOROMETHANE	<	.800	ug/L
DICHLORODIFLUOROMETHANE	<	.800	ug/L
M-CHLOROTOLUENE	<	.700	ug/L
DIBROMOMETHANE	<	.900	ug/L
1,3-DICHLOROPROPANE	<	1.000	ug/L
BROMOCHLOROMETHANE	<	.500	ug/L
1,2,3-TRICHLOROPROPANE	<	1.000	ug/L
1,2,3-TRICHLOROBENZENE	<	.800	ug/L
N-PROPYLBENZENE	<	1.000	ug/L
1,1,1,2-TETRACHLOROETHANE	<	.700	ug/L
PENTACHLOROETHANE	<	1.000	ug/L
BIS (2-CHLOROISOPROPYL) ETHER	<	3.000	ug/L
SEC-DICHLOROPROPANE	<	1.000	ug/L
1,2,4-TRIMETHYLBENZENE	<	1.000	ug/L
N-BUTYLBENZENE	<	1.000	ug/L
NAPHTHALENE	<	1.000	ug/L
HEXACHLOROBUTADIENE	<	.800	ug/L
P-CHLOROTOLUENE	<	.800	ug/L
1,3,5-TRIMETHYLBENZENE	<	.990	ug/L
P-ISOPROPYLTOLUENE	<	1.000	ug/L
1,1-DICHLOROPROPANE	<	1.000	ug/L
ISOPROPYLBENZENE	<	1.000	ug/L
TERT-BUTYLBENZENE	<	1.000	ug/L
SEC-BUTYLBENZENE	<	1.000	ug/L
BROMOBENZENE	<	.900	ug/L
CIS-1,2-DICHLOROETHENE		22.000	ug/L
O-CHLOROTOLUENE	<	.600	ug/L
CARBON DISULFIDE	<	1.000	ug/L
1,1-DICHLOROPROPENE	<	.700	ug/L

Account No.: -
Lab Number : 93 11 09 163
Sample Type: Grab

Station Name: DEL35
Side Sewer : 1

ETHYL ACETATE	<	1.000	ug/L
ETHYL ETHER	<	10.000	ug/L
2-HEXANONE	<	1.000	ug/L
DIBUTYL ETHER	<	10.000	ug/L
VINYL ACETATE	<	1.000	ug/L
1,3-BUTADIENE	<	1.000	ug/L
DIMETHYL SULFIDE	<	1.000	ug/L
DIMETHYL DISULFIDE	<	1.000	ug/L
VOLATILE REGULATED ORGANICS		.006	mg/L
VOLATILE CHLOR. HYDROCARBONS		.028	mg/L
VOA TOTAL TOXIC ORGANICS	<	.010	mg/L
ZINC	<	.020	mg/L

Account No.: -
Lab Number : 93 11 09 164
Sample Type: Grab

Station Name: TRIPQC
Side Sewer : 1

ACROLEIN	<	5.000	ug/L
ACRYLONITRILE	<	5.000	ug/L
BENZENE	<	.500	ug/L
BROMODICHLOROMETHANE-GC/MS	<	.400	ug/L
BROMOFORM-GC/MS	<	.600	ug/L
BROMOMETHANE	<	1.000	ug/L
CARBON TETRACHLORIDE	<	.800	ug/L
CHLOROBENZENE	<	.900	ug/L
CHLOROETHANE	<	.800	ug/L
2-CHLOROETHYLVINYL ETHER	<	1.000	ug/L
CHLOROFORM	<	.300	ug/L
CHLOROMETHANE	<	1.000	ug/L
DIBROMOCHLOROMETHANE	<	.500	ug/L
1,2-DICHLOROBENZENE	<	.300	ug/L
1,3-DICHLOROBENZENE	<	.700	ug/L
1,4-DICHLOROBENZENE	<	.400	ug/L
1,1-DICHLOROETHANE	<	.400	ug/L
1,2-DICHLOROETHANE	<	1.000	ug/L
1,1-DICHLOROETHENE	<	1.000	ug/L
TRANS-1,2-DICHLOROETHENE	<	.600	ug/L
1,2-DICHLOROPROPANE	<	1.000	ug/L
CIS-1,2-DICHLOROPROPENE	<	1.000	ug/L
TRANS-1,3-DICHLOROPROPENE	<	.900	ug/L
ETHYL BENZENE	<	1.000	ug/L
METHYLENE CHLORIDE	<	1.000	ug/L
1,1,2,2-TETRACHLOROETHANE	<	.700	ug/L
TETRACHLOROETHENE	<	1.000	ug/L
TOLUENE	<	1.000	ug/L
1,1,1-TRICHLOROETHANE	<	1.000	ug/L
1,1,2-TRICHLOROETHANE	<	.700	ug/L
TRICHLOROETHENE	<	.600	ug/L
VINYL CHLORIDE	<	1.000	ug/L
ACETONE	<	10.000	ug/L
DIBROMOCHLOROPROPANE	<	1.000	ug/L
ETHYLENE DIBROMIDE	<	.900	ug/L
METHYLETHYL KETONE	<	10.000	ug/L
METHYL ISOBUTYL KETONE	<	2.000	ug/L
STYRENE	<	.800	ug/L
TETRAHYDROFURAN	<	20.000	ug/L
FREON 113	<	.800	ug/L
SATURATED HYDROCARBONS	<	20.000	ug/L
UNSATURATED HYDROCARBONS	<	20.000	ug/L
AROMATIC HYDROCARBONS	<	20.000	ug/L
XYLENES	<	1.000	ug/L
1,2,4-TRICHLOROBENZENE	<	.800	ug/L
FLUOROTRICHLOROMETHANE	<	.800	ug/L
DICHLORODIFLUOROMETHANE	<	.800	ug/L
M-CHLOROTOLUENE	<	.700	ug/L
DIBROMOMETHANE	<	.900	ug/L
1,3-DICHLOROPROPANE	<	1.000	ug/L
BROMOCHLOROMETHANE	<	.500	ug/L
1,2,3-TRICHLOROPROPANE	<	1.000	ug/L

Account No.: -
Lab Number : 93 11 09 164
Sample Type: Grab

Station Name: TRIPQC
Side Sewer : 1

1,2,3-TRICHLOROBENZENE	<	.800	ug/L
N-PROPYLBENZENE	<	1.000	ug/L
1,1,1,2-TETRACHLOROETHANE	<	.700	ug/L
PENTACHLOROETHANE	<	1.000	ug/L
BIS (2-CHLOROISOPROPYL) ETHER	<	3.000	ug/L
SEC-DICHLOROPROPANE	<	1.000	ug/L
1,2,4-TRIMETHYLBENZENE	<	1.000	ug/L
N-BUTYLBENZENE	<	1.000	ug/L
NAPHTHALENE	<	1.000	ug/L
HEXACHLOROBUTADIENE	<	.800	ug/L
P-CHLOROTOLUENE	<	.800	ug/L
1,3,5-TRIMETHYLBENZENE	<	.990	ug/L
P-ISOPROPYLTOLUENE	<	1.000	ug/L
1,1-DICHLOROPROPANE	<	1.000	ug/L
ISOPROPYLBENZENE	<	1.000	ug/L
TERT-BUTYLBENZENE	<	1.000	ug/L
SEC-BUTYLBENZENE	<	1.000	ug/L
BROMOBENZENE	<	.900	ug/L
CIS-1,2-DICHLOROETHENE	<	.600	ug/L
O-CHLOROTOLUENE	<	.600	ug/L
CARBON DISULFIDE	<	1.000	ug/L
1,1-DICHLOROPROPENE	<	.700	ug/L
ETHYL ACETATE	<	1.000	ug/L
ETHYL ETHER	<	10.000	ug/L
2-HEXANONE	<	1.000	ug/L
DIBUTYL ETHER	<	10.000	ug/L
VINYL ACETATE	<	1.000	ug/L
1,3-BUTADIENE	<	1.000	ug/L
DIMETHYL SULFIDE	<	1.000	ug/L
DIMETHYL DISULFIDE	<	1.000	ug/L
VOLATILE REGULATED ORGANICS	<	.001	mg/L
VOLATILE CHLOR. HYDROCARBONS	<	.001	mg/L
VOA TOTAL TOXIC ORGANICS	<	.010	mg/L

Engineers
Planners
Economists
Scientists

November 16, 1993

LRD34817.XY

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

RE: Analytical Data for Del Monte #35, LRD Lab Reference No. 37023

Dear Mr. Schoen:

On November 6, 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 Mr. Vito D'Aurora at (916) 244-5227.

Sincerely,

Christine Escutia for Peggy A Norton

Peggy A. Norton
Senior Data Package Specialist

Enclosures

cc: Bern Baumgartner/SFO

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.

RI -- 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. 37023

Client Sample ID	LRD Lab Sample ID
SP-A	37023001
SP-B	37023002
SP-D	37023003

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.:	37023	**SDG NO.**	: N/A

I. RECEIPT

A. Date: November 6, 1993

B. Sample Information:

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLE MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
37023001	SP-A	WATER	11/05/93	N/A	11/10/93
37023002	SP-B	WATER	11/05/93	N/A	11/10/93
37023003	SP-D	WATER	11/05/93	N/A	11/10/93
WBLK1_11-10	METHOD BLANK	WATER	N/A	N/A	11/10/93

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 : No exceptions were encountered.

IV. QUALITY CONTROL

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

B. Surrogate Recoveries : All met QC acceptance limits.

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

Brian Geers 11-15-93

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

Report of Analytical Data - Halocarbons

Client:	DECON ENVIRONMENTAL	Laboratory:	CH2M Hill/LRD	Date Sampled:	11/05/93
Project:	Del Monte Plant 35	Lab Sample ID:	37023001	Date Received:	11/06/93
Proj No:	N/A	% Moisture:	N/A	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	11/10/93
Matrix:	Water	Instrument ID:	VARIAN-3600	Analyst:	C.D.
Sampler:	Peter Schoen			Date Reported:	11/15/93

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	1.0		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	3.7		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		105		% rec

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

Comments:

Reviewed by: Brian Ellis

FORM I

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:	11/05/93
Project:	Del Monte Plant 35	Lab Sample ID:	37023002	Date Received:	11/06/93
Proj No:	N/A	% Moisture:	N/A	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	11/10/93
Matrix:	Water	Instrument ID:	VARIAN-3600	Analyst:	C.D.
Sampler:	Peter Schoen			Date Reported:	11/15/93

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	67		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		96		% rec

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

Comments:

Reviewed by:

FORM I

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.410

Report of Analytical Data - Halocarbons

Client:	DECON ENVIRONMENTAL	Laboratory:	CH2M Hill/LRD	Date Sampled:	11/05/93
Project:	Del Monte Plant 35	Lab Sample ID:	37023003	Date Received:	11/06/93
Proj No:	N/A	% Moisture:	N/A	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	11/10/93
Matrix:	Water	Instrument ID:	VARIAN-3600	Analyst:	C.D.
Sampler:	Peter Schoen			Date Reported:	11/15/93

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	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	56		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	11		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		102		% rec

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

Comments:

Reviewed by: Brian Lobo

FORM I

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:	N/A	Laboratory:	CH2M Hill/LRD	Date Sampled:	N/A
Project:	N/A	Lab Sample ID:	WBLK1_11-10	Date Received:	N/A
Proj No:	N/A	% Moisture:	N/A	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	11/10/93
Matrix:	Water	Instrument ID:	VARIAN-3600	Analyst:	C.D.
Sampler:	N/A			Date Reported:	11/15/93

Client Sample ID/Description: METHOD BLANK

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		98		% rec

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

Comments:

Reviewed by: Brian Gilmore

FORM I

CH2M HILL Quality Analytical Laboratory

5090 Caterpillar Road, Redding, California 96003-1412

916.244.5227
FAX 916.244.4109

CASE NARRATIVE FOR
TBME, BTEX & TPH GAS

LABORATORY :	CH2M HILL LABORATORIES	**CLIENT** :	DECON ENVIRONMENTAL Del Monte Plant 35
CASE NO. :	N/A	**CONTRACT NO.**:	N/A
LAB REF. NO.:	37023	**SDG NO.** :	N/A

I. RECEIPT

A. Date: November 6, 1993

B. Sample Information:

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLE MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
37023001	SP-A	WATER	11/05/93	N/A	11/08/93
37023002	SP-B	WATER	11/05/93	N/A	11/08/93
37023003	SP-D	WATER	11/05/93	N/A	11/08/93
WBLK1_11-08	METHOD BLANK	WATER	N/A	N/A	11/08/93

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 : No exceptions were encountered.

IV. QUALITY CONTROL

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

B. Surrogate Recoveries : All met QC acceptance criteria.

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

BC

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 11-15-93

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

METHOD: 8020/8015(MOD)
TBME, BTEX & TFH Gas

Client:	DECON ENVIRONMENTAL	Reference No:	37023001
Project:	Del Monte Plant 35	Date Sampled:	11-05-93
Client Sample ID:	SP-A	Date Received:	11-06-93
Sample Matrix:	WATER	Date Extracted:	N/A
Dilution Factor:	1	Date Analyzed:	11-08-93

Compound	Reporting Limit	Sample Result	Units
tert-Butyl methyl ether	0.50	9.9	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
TFH Gas	50	U	ug/L
Surrogate (SS)		103	% 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 Gillis

FORM I

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

METHOD: 8020/8015(MOD)
TBME, BTEX & TFH Gas

Client:	DECON ENVIRONMENTAL	Reference No:	37023002
Project:	Del Monte Plant 35	Date Sampled:	11-05-93
Client Sample ID:	SP-B	Date Received:	11-06-93
Sample Matrix:	WATER	Date Extracted:	N/A
Dilution Factor:	1	Date Analyzed:	11-08-93

Compound	Reporting Limit	Sample Result	Units
tert-Butyl methyl ether	0.50	6.6	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
TFH Gas	50	U	ug/L
Surrogate (SS)		108	% 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 Ellis

FORM I

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

METHOD: 8020/8015(MOD)
TBME, BTEX & TFH Gas

Client: DECON ENVIRONMENTAL
Project: Del Monte Plant 35
Client Sample ID: SP-D
Sample Matrix: WATER
Dilution Factor: 1

Reference No: 37023003
Date Sampled: 11-05-93
Date Received: 11-06-93
Date Extracted: N/A
Date Analyzed: 11-08-93

Compound	Reporting Limit	Sample Result	Units
tert-Butyl methyl ether	0.50	6.6	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
TFH Gas	50	U	ug/L
Surrogate (SS)		118	% 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

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

METHOD: 8020/8015(MOD)
TBME, BTEX & TFH Gas

Client Sample ID: METHOD BLANK
Sample Matrix: WATER
Dilution Factor: 1

Reference No: WBLK1_11-08
Date Extracted: N/A
Date Analyzed: 11-08-93

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
TFH Gas	50	U	ug/L
Surrogate (SS)		103	% 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

CH2M HILL

QUALITY ANALYTICAL LABORATORIES

CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

CH2M HILL Project #: _____

Purchase Order #: 41131

Project Name: DEL MONTE #35 — DECON # 943

Company Name/CH2M HILL Office: DECON ENVIRONMENTAL

Project Manager & Phone #: Mr. [x] P. SCHOEN 510.732.6444; Ms. [ ]; Dr. [ ]

Report Copy to: P. SCHOEN/DECON; B. BAUMGARTNER/HILL SFO

Requested Completion Date: STD. TAT

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

Sample Disposal: Dispose [X] Return [ ] — NHAZ HAZ

LAB TEST CODES

SHADED AREA – FOR LAB USE ONLY

Lab 1 #: 37073 — Lab 2 #:

Quote # — KH Request #

Project # — No. of Samples — Page — Of

COC Rev — Login — LIMS Val — Ass

REMARKS — LAB 1 ID — LAB 2 ID

ANALYSES REQUESTED

Sampling Date	Sampling Time	Type COMP	Type GRAB	Matrix WATER	Matrix SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	# OF CONTAINERS	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES	EPA 601
11.5.93	10:36	X		X		S P - A	3					X
	10:38	X		X		S P - A	3	X	X	X	X	
	10:41	X		X		S P - B	3					X
	10:43	X		X		S P - B	3	X	X	X	X	
	10:46	X		X		S P - D	3					X
	10:48	X		X		S P - D	3	X	X	X	X	

Sampled By & Title (Please sign and print name): P. SCHOEN PROJ. MGR. — Date/Time: 11.5.93 15:06

Relinquished By (Please sign and print name): PETER SCHOEN — Date/Time: 11.5.93 15:06

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): [signature] 11643 — Date/Time: 1700

Shipped Via: UPS BUS Fed-Ex Hand Other: _____ — Shipping #: 175041427 28

Work Authorized By (Please sign and print name): — Remarks:

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

Instructions and Agreement Provisions on Reverse Side

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

ngineers
Planners
Economists
Scientists

December 17, 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. 37179

Dear Mr. Schoen:

On December 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 Mr. Vito D'Aurora at (916) 244-5227.

Sincerely,

Christine E. Sutton
Senior Data Package Specialist

Enclosures

cc: Bern Baumgartner/SFO

TABLE OF CONTENTS

CH2M HILL Laboratory Reference No. 37179

CH2M HILL Quality Analytical Laboratory

5090 Caterpillar Road, Redding, California 96003-1412

916.244.5227
FAX 916.244.41[illegible]

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.

RI -- 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. 37179

Client Sample ID	LRD Lab Sample ID
SP-A	37179001
SP-B	37179002
SP-D	37179003

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.:	37179	**SDG NO.** :	N/A

I. RECEIPT

A. Date: December 4, 1993

B. Sample Information:

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLE MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
37179001	SP-A	WATER	12/02/93	N/A	12/09/93
37179002	SP-B	WATER	12/02/93	N/A	12/09/93
37179003	SP-D	WATER	12/02/93	N/A	12/09/93
WBLK1_12-09	WBLK1_12-09	WATER	N/A	N/A	12/09/93

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 : No exceptions were encountered.

IV. QUALITY CONTROL

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

B. Surrogate Recoveries : All met QC acceptance criteria.

kdh.008

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 Fales (for Brian Geers) 12/15/93

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

Report of Analytical Data - Halocarbons

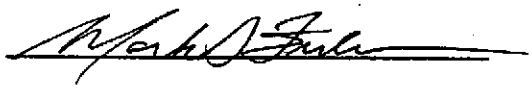
Client:	DECON ENVIRONMENTAL	Laboratory:	CH2M Hill/LRD	Date Sampled:	12/02/93
Project:	Del Monte Plant 35	Lab Sample ID:	37179001	Date Received:	12/04/93
Proj No:	N/A	% Moisture:	N/A	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	12/09/93
Matrix:	Water	Instrument ID:	VARIAN-3600	Analyst:	C.D.
Sampler:	Peter Schoen			Date Reported:	12/14/93

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	13		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		104		% rec

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

Comments:

Reviewed by: 

FORM I

kdh.008

Report of Analytical Data - Halocarbons

Client:	DECON ENVIRONMENTAL	Laboratory:	CH2M Hill/LRD	Date Sampled:	12/02/93
Project:	Del Monte Plant 35	Lab Sample ID:	37179002	Date Received:	12/04/93
Proj No:	N/A	% Moisture:	N/A	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	12/09/93
Matrix:	Water	Instrument ID:	VARIAN-3600	Analyst:	C.D.
Sampler:	Peter Schoen			Date Reported:	12/14/93

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	61	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	1.1	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		98	% rec

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

Comments:

Reviewed by: Mark Fisher

FORM I

kdh.008

Report of Analytical Data - Halocarbons

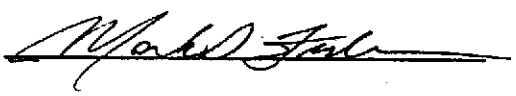
Client:	DECON ENVIRONMENTAL	Laboratory:	CH2M Hill/LRD	Date Sampled:	12/02/93
Project:	Del Monte Plant 35	Lab Sample ID:	37179003	Date Received:	12/04/93
Proj No:	N/A	% Moisture:	N/A	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	12/09/93
Matrix:	Water	Instrument ID:	VARIAN-3600	Analyst:	C.D.
Sampler:	Peter Schoen			Date Reported:	12/14/93

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	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	68		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	11		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		107		% rec

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

Comments:

Reviewed by: 

FORM I

kdh.008

Report of Analytical Data - Halocarbons

Client:	N/A	Laboratory:	CH2M Hill/LRD	Date Sampled:	N/A
Project:	N/A	Lab Sample ID:	WBLK1_12-09	Date Received:	N/A
Proj No:	N/A	% Moisture:	N/A	Date Extracted:	N/A
Method:	EPA 601(MOD)	Dilution Factor:	1	Date Analyzed:	12/09/93
Matrix:	Water	Instrument ID:	VARIAN-3600	Analyst:	C.D.
Sampler:	N/A			Date Reported:	12/14/93

Client Sample ID/Description: WBLK1_12-09

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		98	% rec

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

Comments:

Reviewed by: 

FORM I

kdh.008

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.4100

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.: 37179
SDG NO. : N/A

I. RECEIPT

A. Date: December 4, 1993

B. Sample Information:

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLE MATRIX	DATE SAMPLED	DATE EXTRACTED	DATE ANALYZED
37179001	SP-A	WATER	12/02/93	N/A	12/09/93
37179002	SP-B	WATER	12/02/93	N/A	12/09/93
37179003	SP-D	WATER	12/02/93	N/A	12/09/93
WBLK1_12-09	WBLK1_12-09	WATER	N/A	N/A	12/09/93

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 : 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.

CH2M HILL Quality Analytical Laboratory
5090 Caterpillar Road, Redding, California 96003-1412
916.244.5227
FAX 916.244.41C

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 S Fisher (for Brian Geers) 12/15/93

Brian Geers Date
Manager, Organics Division

kdh:008

METHOD: 8020(MOD)
TBME & BTEX

Client: DECON Environmental
Project: Del Monte Plant 35
Client Sample ID: SP-A
Sample Matrix: Water
Dilution Factor: 1

Reference No: 37179001
Date Sampled: 12-02-93
Date Received: 12-04-93
Date Extracted: N/A
Date Analyzed: 12-09-93

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)		99	% 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: 

FORM I

kdh.008

METHOD: 8020(MOD)
TBME & BTEX

Client: DECON Environmental
Project: Del Monte Plant 35
Client Sample ID: SP-B
Sample Matrix: Water
Dilution Factor: 1

Reference No: 37179002
Date Sampled: 12-02-93
Date Received: 12-04-93
Date Extracted: N/A
Date Analyzed: 12-09-93

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)		100	% 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: 

FORM I

kdh.008

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
Project: Del Monte Plant 35
Client Sample ID: SP-D
Sample Matrix: Water
Dilution Factor: 1

Reference No: 37179003
Date Sampled: 12-02-93
Date Received: 12-04-93
Date Extracted: N/A
Date Analyzed: 12-09-93

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)		99	% 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: 

FORM I

kdh.008

METHOD: 8020(MOD)
TBME & BTEX

Client Sample ID: WBLK1_12-09
Sample Matrix: Water
Dilution Factor: 1

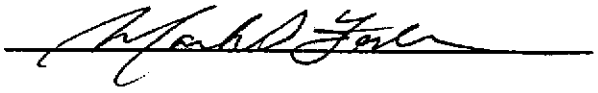
Reference No: WBLK1_12-09
Date Extracted: 12-09-93
Date Analyzed: 12-09-93

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)		100	% 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: 

FORM I

kdh.008

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 #: JOB # 943
Project Name: DEL MONTE PLANT 35 — DECON #943
Company Name/CH2M HILL Office: DECON ENVIRONMENTAL
Project Manager & Phone #: Mr. [X] Ms. [ ] Dr. [ ] P. SCHOEN
Report Copy to: P. SCHOEN / DECON; B. BAUMGARTNER / HILL SFO
Requested Completion Date: STD. TAT
Sampling Requirements: SDWA [ ] NPDES [ ] RCRA [ ] OTHER ____
Sample Disposal: Dispose [X] NH; Return [X] HAZ

LAB TEST CODES

ANALYSES REQUESTED: EPA 601; BENZENE TOLUENE ETHYLBENZENE XYLENES

SHADED AREA – FOR LAB USE ONLY
Lab 1 #: 37179
Lab 2 #:
Quote #:
Kit Request #:
Project #:
No. of Samples:
Page ___ of ___
COC Rev | Login | LIMS Ver | Ack Gen

Date	Time	COMP	GRAB	WATER	SOIL	CLIENT SAMPLE ID (9 CHARACTERS)	# OF CONTAINERS	EPA 601	BTEX	REMARKS	LAB 1 ID	LAB 2 ID
12-2-93	6:55	x		x		SP-A	3	x			1	
	6:57	x		x		SP-A	3		x			
	7:00	x		x		SP-B	3	x			2	
	7:03	x		x		SP-B	3		x			
	7:05	x		x		SP-D	3	x			3	
	7:08	x		x		SP-D	3		x			

pike

Sampled By & Title (Please sign and print name): P. SCHOEN P. Sch— PROJ. MGR. — Date/Time: 12-2-93 / 7:30
Relinquished By (Please sign and print name): P. Sch— P. SCHOEN — Date/Time: 12-3-93 / 8:00
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): Nichol... — Date/Time: 12/3/93 10:30
Shipped Via: UPS BUS Fed-Ex Hand Other____
Shipping #:
Work Authorized By (Please sign and print name):
Remarks:

HAZWRAP/NESSA: Y N
QC Level: 1 2 3 Other: ____
COC Rec ✓ | ICE ✓
Ana Req ✓ | TEMP 4°C
Cust Seal ✓ | Ph <2

Instructions and Agreement Provisions on Reverse Side

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

REV ... FORM

000013

ATTACHMENT B

GET System Inspection Logs

Del Monte Plant #35 Date: 10-22-93

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	>10.11 ft.	11:51	time
PW-2	9.44 ft.	11:51	time

Monitoring Wells -

MW-7	7.71 ft.	11:40	time
MW-9	11.40 ft.	11:47	time
MW-10	8.43 ft.	11.44	time
MW-11	9.03 ft.	11:50	time

Total GET Effluent 1334342.5 gal. 11:53 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: 14 psi.

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

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 d

DECON

rev. 1/93

Del Monte Plant #35 Date: 10-22-93

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: 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: _____

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

Start Time: 11:15 Finish Time: 12:00

DECON

rev. 1/93

Del Monte Plant #35 Date: 10-29-93

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 1368,785.9 gal. 16:43 time

time req'd: 5 min.

GET System:

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

Before bag filter: 17 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:* 10.29.93

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:_____

_____

_____

_____

_____

_____

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

Start Time: 16:40 Finish Time: 16:50

DECON

Del Monte Plant #35 Date: 11/5/93

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 1403,982.8 gal. 11:03 time

Time req'd: 5 min

GET System:

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

Before bag filter: 17.5 psi.

After bag filter: 18.5 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: 11/5/93

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: 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: _____

_____

_____

_____

_____

_____

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

Start Time: 10:45 Finish Time: 11:45

DECON

rev. 1/93

Del Monte Plant #35 Date: 11/12/93

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	1088+	ft.	7:05	time
PW-2	9.33	ft.	7:06	time

Monitoring Wells -

MW-7	7.81	ft.	6:56	time
MW-9	11.29	ft.	7:01	time
MW-10	8.32	ft.	6:58	time
MW-11	8.50	ft.	7:03	time

Total GET Effluent 1,437,260.0 gal. 7:07 time

Time req'd: _____

GET System:

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

Before bag filter: 18 psi.

After bag filter: 19 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: 11/12/93

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: 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: _____

_____

_____

_____

_____

_____

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

Start Time: 6:55 Finish Time: 7:25

DECON

Del Monte Plant #35 Date: 11.19.93

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 1,471,733.2 gal. 6:26 time

Time req'd: 10 min.

GET System:

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

Before bag filter: 18 psi.

After bag filter: 19 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: 11.19.93

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: 0

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. SCHADEN Signature: P. Schaden

Start Time: 6:25 Finish Time: 6:50

DECON

rev. 1/93

Del Monte Plant #35 Date: 11-26-93

DATA LOG & FIELD NOTES

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

Well Depths:

Extraction Wells -

PW-1	> 10.07 ft.	6:48	time
PW-2	9.48 ft.	6:49	time

Monitoring Wells -

MW-7	7.91 ft.	6:39	time
MW-9	11.44 ft.	6:45	time
MW-10	9.49 ft.	6:42	time
MW-11	9.07 ft.	6:47	time

Total GET Effluent 1,586,391.8 gal. 6:53 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.

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 d

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 d

DECON

rev. 1/93

Del Monte Plant #35 Date: 11.26.93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ____ No ok

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: _____

_____

_____

_____

_____

_____

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

Start Time: 6:35 Finish Time: 7:00

DECON

rev. 1/93

Del Monte Plant #35 *Date:* 12-2-93

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 1,534,549.1 gal. 6:55 time

Time req'd: 5 min

GET System:

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

Before bag filter: 18 psi.

After bag filter: 19 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: 12-2-93

If wet spots are noted, briefly describe location. _____

_____

Was sampling performed? Yes ✓ No ____

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

A ✓ B X C ____ D X

Time req'd: 35 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 Sch

Start Time: 6:50 Finish Time: 7:30

DECON

rev. 1/93