



Engineers  
Planners  
Economists  
Scientists

September 7, 1995

117518.GM.01

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

Subject: Analytical Results of Groundwater Samples Collected on August 15, 1995  
Del Monte Plant 35, Emeryville

Dear Sum:

Attached is the laboratory report for analysis of groundwater samples collected at Del Monte Plant 35 on August 15, 1995. As you will note, the results are very favorable, with no indication of any rebounding since the GET system stopped operating. These results will be included in the next quarterly groundwater monitoring report.

Sincerely,

CH2M HILL

*Madeline Wall* ✕

Madeline Wall  
Project Manager

c: Brian Oliva/ACDEH  
Susan Hugo/ACDEH  
Steve Ronzone/Del Monte  
Thomas Bender/The Bender Partnership  
Zachary Wasserman/Kennedy & Wasserman  
Bern Baumgartner/CH2M HILL  
Indrajit Obeysekere/Kaiser Permanente  
David Harnish/ENVIRON

95 SEP 11 PM 3:07  
ENVIRONMENTAL



QUALITY ANALYTICAL  
LABORATORIES, INC.

August 30, 1995

Ms. Madeline Wall  
CH2M Hill/SFO  
1111 Broadway, Suite 1200  
PO Box 12681  
Oakland, CA 94607-4046

RE: Analytical Data for  
Del Monte Plant #35

QAL Reference  
RA253

Dear Ms. Wall:

On August 17, 1995, 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  
Project Manager/Client Services

Enclosures

xc: Mr. Don Weltz

TABLE OF CONTENTS

QAL Lab Reference No.: RA253  
Level 1

	Page <u>No.</u>
Organic Data Qualifiers . . . . .	i
Organic Sample ID Qualifiers . . . . .	ii
Sample Identification Cross-Reference . . . . .	iii
GC PURGEABLE HALOCARBONS . . . . .	1
Case narrative . . . . .	2
Sample results . . . . .	4
Chain of Custody Documentation . . . . .	10

## 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 adjustments when indicated.
- J -- Indicates an estimated value. It is used when the data indicates the presence of a compound below the reporting limit.
- C -- 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 that the data user evaluate these compounds and their amounts carefully.
- E -- This flag indicates that the value reported exceeds the linear calibration range for that compound. Therefore, the sample should be re-analyzed 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 quantitation.
- P -- This qualifier is used for Pesticide/Aroclor target analytes when there is a greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form I and flagged with a "P".
- N -- This qualifier indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds(TIC), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as Chlorinated Hydrocarbon, the "N" qualifier is not used.
- A -- This qualifier indicates that a TIC is a suspected aldol-condensation product.

## Organic Sample ID Qualifiers

The qualifiers that may be appended to the Lab Sample ID and/or the Client Sample ID for organic analyses are defined below:

- DL -- Diluted reanalysis. Indicates that the results of the original analysis of the sample contained compounds exceeding the calibration range. The sample was diluted and re-analyzed. May be followed by a digit to indicate multiple dilutions of the sample. The results of more than one diluted re-analysis may be reported.
- R -- Reanalysis. The extract was re-analyzed without re-extraction. The "R" is not used if the sample was also re-extracted. May be followed by a digit to indicate multiple reanalyses of the sample at the same dilution.
- RE -- Re-extraction analysis. The sample was re-extracted and re-analyzed. May be followed by a digit to indicate multiple re-extracted analyses of the sample at the same dilution.
- 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 spikes within a sample set.)

Sample ID Cross-reference Table

QAL, Inc. Lab Sample ID	Client Sample ID	Collect Date	Sample Matrix	Additional Description
FS = Field Sample; TB = Trip Blank				
RA253001	FS MW7	08/15/95	Water	
RA253002	FS MW9	08/15/95	Water	
RA253003	FS MW10	08/15/95	Water	
RA253004	FS MW12	08/15/95	Water	
RA253005	TB TB	08/15/95	Water	

The above lab sample ID's and cross reference information apply to samples as received by the laboratory. Modifiers to the lab sample ID may be added for internal tracking purposes. Any modified sample ID will be reflected in the appropriate case narrative only.

**GC PURGEABLE HALOCARBONS**

CASE NARRATIVE  
GC PURGEABLE HALOCARBONS

QAL Lab Reference No./SDG.: RA253

Project: Del Monte Plant #35

I. RECEIPT

No exceptions were encountered unless a Sample Receipt Exception Report is attached to the Chain-of-Custody included with this data package.

II. HOLDING TIMES

- A. Sample Preparation: All holding times were met.
- B. Sample Analysis: All holding times were met.

III. METHOD

Preparation: N/A  
Cleanup: N/A  
Analysis: EPA 601

IV. PREPARATION

Sample preparation proceeded normally.

V. ANALYSIS

- A. Calibration : All acceptance criteria were met.
- B. Blanks: All acceptance criteria were met.
- C. Surrogates: All acceptance criteria were met.
- D. Spikes: All acceptance criteria were met.
- E. Samples: Sample analyses proceeded normally.

I certify that this data package is in compliance with the terms and conditions agreed to by the client and QAL, Inc., both technically and for completeness, except for the conditions noted above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Manager or designated person, as verified by the following signature.

SIGNED: Brian Geers DATE: 8-30-95  
Brian Geers  
Manager, Organics Department



**CASE NARRATIVE  
Addendum**

## Sample Information

<u>LAB SAMPLE ID</u>	<u>CLIENT SAMPLE ID</u>	<u>SAMPLE MATRIX</u>	<u>DATE SAMPLED</u>	<u>DATE EXTRACTED</u>	<u>DATE ANALYZED</u>	<u>SAMPLE pH<sup>1</sup></u>
RA253001	MW7	WATER	08/15/95	N/A	08/26/95	< 2
RA253002	MW9	WATER	08/15/95	N/A	08/26/95	< 2
RA253003	MW10	WATER	08/15/95	N/A	08/26/95	< 2
RA253004	MW12	WATER	08/15/95	N/A	08/26/95	< 2
RA253005	TB	WATER	08/15/95	N/A	08/26/95	< 2
VWB10825	VWB10825	WATER	N/A	N/A	08/25/95	N/A

<sup>1</sup> Applies to samples designated for purgeable VOA analysis only.

Report of Analytical Data - Purgeable Halocarbons

Client: CH2M Hill/SFO  
 Project: Del Monte Plant #35  
 Proj No: N/A  
 Method: EPA 601(MOD)  
 Matrix: Water  
 Sampler: N/A

Laboratory: QAL  
 Lab Sample ID: RA253001  
 % Moisture: N/A  
 Dilution Factor: 1.0  
 Instrument ID: VARIAN-3600

Date Sampled: 08/15/95  
 Date Received: 08/17/95  
 Date Extracted: N/A  
 Date Analyzed: 08/26/95  
 Analyst: J.W.  
 Date Reported: 08/30/95

Client Sample ID/Description: MW7

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	7.8	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	6.6	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		93	% rec.

U = Not detected above the reporting limit.  
 SS = Surrogate Standard reported as percent recovery.

Comments:

Approved by: 

FORM I

kdh.030

Quality Analytical  
 Laboratories Inc.

5090 Caterpillar Road,  
 Redding, CA 96003-1412

916 244-5227  
 Fax No. 916 244-4109

0004

Report of Analytical Data - Purgeable Halocarbons

Client: CH2M Hill/SFO  
 Project: Del Monte Plant #35  
 Proj No: N/A  
 Method: EPA 601(MOD)  
 Matrix: Water  
 Sampler: N/A

Laboratory: QAL  
 Lab Sample ID: RA253002  
 % Moisture: N/A  
 Dilution Factor: 1.0  
 Instrument ID: VARIAN-3600

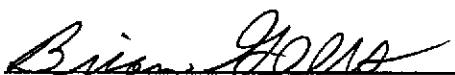
Date Sampled: 08/15/95  
 Date Received: 08/17/95  
 Date Extracted: N/A  
 Date Analyzed: 08/26/95  
 Analyst: J.W.  
 Date Reported: 08/30/95

Client Sample ID/Description: MW9

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	7.0	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		101	% rec.

U = Not detected above the reporting limit.  
 SS = Surrogate Standard reported as percent recovery.

Comments:

Approved by: 

FORM I

kdh.030

Quality Analytical  
 Laboratories Inc.

5090 Caterpillar Road,  
 Redding, CA 96003-1412

916 244-5227  
 Fax No. 916 244-1109

0005

Report of Analytical Data - Purgeable Halocarbons

Client: CH2M Hill/SFO  
 Project: Del Monte Plant #35  
 Proj No: N/A  
 Method: EPA 601(MOD)  
 Matrix: Water  
 Sampler: N/A

Laboratory: QAL  
 Lab Sample ID: RA253003  
 % Moisture: N/A  
 Dilution Factor: 1.0  
 Instrument ID: VARIAN-3600


Date Sampled: 08/15/95  
 Date Received: 08/17/95  
 Date Extracted: N/A  
 Date Analyzed: 08/26/95  
 Analyst: J.W.  
 Date Reported: 08/30/95

Client Sample ID/Description: MW10

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		101	% rec.

U = Not detected above the reporting limit.  
 SS = Surrogate Standard reported as percent recovery.

Comments:

Approved by: 

FORM 1

kdh.030

Quality Analytical  
 Laboratories Inc.

5090 Caterpillar Road,  
 Redding, CA 96003-1412

916 244-5227  
 Fax No. 916 244-4109

0000

Report of Analytical Data - Purgeable Halocarbons

Client: CH2M Hill/SFO  
 Project: Del Monte Plant #35  
 Proj No: N/A  
 Method: EPA 601(MOD)  
 Matrix: Water  
 Sampler: N/A

Laboratory: QAL  
 Lab Sample ID: RA253004  
 % Moisture: N/A  
 Dilution Factor: 1.0  
 Instrument ID: VARIAN-3600


Date Sampled: 08/15/95  
 Date Received: 08/17/95  
 Date Extracted: N/A  
 Date Analyzed: 08/26/95  
 Analyst: J.W.  
 Date Reported: 08/30/95

Client Sample ID/Description: MW12

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	18	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		97	% rec.

U = Not detected above the reporting limit.  
 SS = Surrogate Standard reported as percent recovery.

Comments:

Approved by: 

FORM I

kdh.030

Quality Analytical  
 Laboratories Inc.

5090 Caterpillar Road,  
 Redding, CA 96003-1412

916 244-5227  
 Fax No. 916 244-4109

Report of Analytical Data - Purgeable Halocarbons

Client: CH2M Hill/SFO  
 Project: Del Monte Plant #35  
 Proj No: N/A  
 Method: EPA 601(MOD)  
 Matrix: Water  
 Sampler: N/A

Laboratory: QAL  
 Lab Sample ID: RA253005  
 % Moisture: N/A  
 Dilution Factor: 1.0  
 Instrument ID: VARIAN-3600

Date Sampled: 08/15/95  
 Date Received: 08/17/95  
 Date Extracted: N/A  
 Date Analyzed: 08/26/95  
 Analyst: J.W.  
 Date Reported: 08/30/95

Client Sample ID/Description: TB

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		97	% rec.

U = Not detected above the reporting limit.  
 SS = Surrogate Standard reported as percent recovery.

Comments:

Approved by: 

FORM 1

kdh.030

Quality Analytical  
 Laboratories Inc.

5090 Caterpillar Road,  
 Redding, CA 96003-1412

916 244-5227  
 Fax No. 916 244-4109

0008

Report of Analytical Data - Purgeable 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: VWB10825  
 % Moisture: N/A  
 Dilution Factor: 1.0  
 Instrument ID: VARIAN-3600

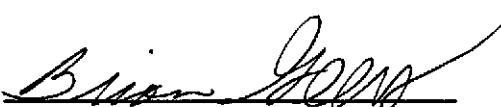
Date Sampled: N/A  
 Date Received: N/A  
 Date Extracted: N/A  
 Date Analyzed: 08/25/95  
 Analyst: J.W.  
 Date Reported: 08/30/95

Client Sample ID/Description: VWB10825

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		93	% rec.

U = Not detected above the reporting limit.  
 SS = Surrogate Standard reported as percent recovery.

Comments:

Approved by: 

FORM 1

kdh.030

Quality Analytical  
 Laboratories Inc.

5090 Caterpillar Road,  
 Redding, CA 96003-1412

916 244-5227  
 Fax No. 916 244-4109

0009

**CHAIN OF CUSTODY DOCUMENTATION**



QAL

QUALITY ANALYTICAL LABORATORIES, INC.

GC. CS

CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

LIMS

Project # <b>117518.GM.01</b>		Purchase Order #		<input type="checkbox"/> LGN One Innovation Drive, Suite C Alachua, FL 32615-9586 (904) 462-3050 FAX (904) 462-1670		<input checked="" type="checkbox"/> LRD 5090 Caterpillar Road Redding, CA 96003-1412 (916) 244-5227 FAX (916) 244-4109		THIS AREA FOR LAB USE ONLY																																																	
Project Name <b>DEL MONTE PLANT #35</b>				<input type="checkbox"/> LMG 2567 Fairlane Drive Montgomery, AL 36116-1622 (205) 271-2440 FAX (205) 271-3428		<input type="checkbox"/> LKW Carviro Analytical Laboratories, Inc. 50 Bathurst, Unit 12 Waterloo, Ontario, Canada N2V 2C5 (519) 747-2575 FAX (519) 747-3806		Lab # <b>RA053</b>	Page	of																																															
Company Name <b>CHEM HILL</b>				Project Manager or Contact & Phone # <b>MADCLINE WALL (510) 251-2888 2189</b>		Report Copy to:		Client Service		Price Source <b>A P Q S</b>																																															
Requested Completion Date: <b>2 WEEK TAT</b>		Site ID		Sample Disposal: Dispose <input type="checkbox"/> Return <input type="checkbox"/>		ANALYSES REQUESTED																																																			
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sampling</th> <th colspan="2">Type</th> <th colspan="2">Matrix</th> <th rowspan="2">CLIENT SAMPLE ID (9 CHARACTERS)</th> <th rowspan="2">QC ID (3 CHAR)</th> <th rowspan="2"># OF CONTAINERS</th> </tr> <tr> <th>COMP</th> <th>GRAB</th> <th>WATER</th> <th>SOIL</th> </tr> </thead> <tbody> <tr> <td>8/15 12:55</td> <td></td> <td></td> <td>X</td> <td></td> <td>M W 7</td> <td></td> <td>4</td> </tr> <tr> <td>8/15 12:10</td> <td></td> <td></td> <td>X</td> <td></td> <td>M W 9</td> <td></td> <td>4</td> </tr> <tr> <td>8/15 11:40</td> <td></td> <td></td> <td>X</td> <td></td> <td>M W 10</td> <td></td> <td>4</td> </tr> <tr> <td>8/15 13:50</td> <td></td> <td></td> <td>X</td> <td></td> <td>M W 12</td> <td></td> <td>4</td> </tr> <tr> <td>8/15 —</td> <td></td> <td></td> <td>X</td> <td></td> <td>T B</td> <td></td> <td>3</td> </tr> </tbody> </table>		Sampling	Type		Matrix					CLIENT SAMPLE ID (9 CHARACTERS)	QC ID (3 CHAR)	# OF CONTAINERS	COMP	GRAB	WATER	SOIL	8/15 12:55			X		M W 7		4	8/15 12:10			X		M W 9		4	8/15 11:40			X		M W 10		4	8/15 13:50			X		M W 12		4	8/15 —			X		T B		3	
Sampling	Type		Matrix		CLIENT SAMPLE ID (9 CHARACTERS)	QC ID (3 CHAR)	# OF CONTAINERS																																																		
	COMP	GRAB	WATER	SOIL																																																					
8/15 12:55			X		M W 7		4																																																		
8/15 12:10			X		M W 9		4																																																		
8/15 11:40			X		M W 10		4																																																		
8/15 13:50			X		M W 12		4																																																		
8/15 —			X		T B		3																																																		
Sampled By & Title <b>Z. Hillbill</b>		Date/Time <b>8/16/95 1445</b>		Relinquished By		Date/Time		HAZWRAP/NESSA: Y (N)																																																	
Received By <b>Nathan R. Powell</b>		Date/Time <b>08/17/95 0910</b>		Relinquished By		Date/Time		EDATA: Y (N)																																																	
Received By		Date/Time		Relinquished By		Date/Time		QC LEVEL <b>1</b> 2 3 OTHER																																																	
Received By		Date/Time		Shipped Via UPS <input checked="" type="checkbox"/> Fed-Ex		Shipping # <b>4321349012</b>		pH <b>see above</b> Ice <b>Y None</b>																																																	
Batch Remarks:				Custody Seal <b>N</b>		Temp <b>4°C</b>																																																			

# OF CONTAINERS

8010 HCEI

all samples pH < 2

0011

CHAIN OF CUSTODY RECORD AND AGREEMENT TO PERFORM SERVICES

PAGE 2/2

408 293 8773 (THU) 11:06 AM

COMMUNICATION No. 26

PAGE 2

AUG. 17 '95 (THU) 12:02

0012

Project # <b>117518.LM.01</b>		Purchase Order #		<input type="checkbox"/> LGH One Innovation Drive, Suite C Atachun, FL 32615-9586 (904) 482-3050 FAX (904) 482-1570		<input checked="" type="checkbox"/> DLRD 5780 Cotnam Road Fredding, CA 95003-1412 (916) 244-5227 FAX (916) 244-4109		THIS AREA FOR LAB USE ONLY			
Project Name <b>DEL MONTE PLANT #35</b>		Company Name <b>CH2M HILL</b>		<input type="checkbox"/> LMG 2587 Fairlane Blvd Montgomery, AL 36116-1622 (205) 271-2440 FAX (205) 271-3428		<input type="checkbox"/> LKW Cambio Analytical Laboratories, Inc. 50 Bathurst, Unit 12 Waterloo, Ontario, Canada N2V 2C5 (519) 747-2575 FAX (519) 747-3880		Lab # <b>RA053</b>	Page	of	
Project Manager or Contact & Phone # <b>MADCLINE WALKER (510) 251-2888 2189</b>		Report Copy to:		ANALYSES REQUESTED # 01010		Client Service <b>A P O S</b>		Price Source			
Requested Completion Date: <b>2 WEEK TAT</b>		Site ID				Sample Disposal: Digest <input type="checkbox"/> Retain <input type="checkbox"/>		Acct Code		Test Group	
Sampling Date Time 8/15 12:55 8/15 12:10 8/15 11:40 8/15 13:50 8/15 —		Type Matrix C O R P O R A T E W A T E R S O I L CLIENT SAMPLE ID (9 CHARACTERS) QC ID (3 CHAR)		ANALYSES REQUESTED 4 X 4 X 4 X 4 X 3 X		Project Code LIMS Ver CDC Review		Ack. Gen. Login Mail		SAMPLE REMARKS LAB 1 ID LAB 2 ID	
Sampled By & Title Michelle Mike Toll Date/Time 8/16/95 1445		Requisitioned By Mike Brown - Test Brown for Fall Date/Time 8/16/95 0910		Received By Nathan R. Coak Date/Time 8/16/95 0910		Requisitioned By Date/Time		HAZWARRINESS: Y (N) EDATA: Y (N)		QC LEVEL 1 2 3 OTHER	
Received By Date/Time		Shipped Via UPS Fed-Ex Other		Shipping # 4821349012		pH OK/OK Custody Seal N		Temp 4°C		Y N/A	
Batch Remarks:											

Instructions and Agreement Provisions on Reverse Side

DISTRIBUTION: Original - LAB, Yellow - LAB, Pink - C2-11 LAB FORM 340

08/17/95

11:07

0810 244 4108

QUALITY LAB

08/17/95

### QAL SAMPLE RECEIPT EXCEPTION REPORT

Sample Batch Number RA053

Client/Project Del Monke plant #35

	Exception	Comments:
	1. No custody seal as required by project.	<p><u>11. No signature in the 'relinquished by' box</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
	2. No chain-of-custody provided.	
	3. Analysis, description, date of collection not provided.	
	4. Samples broken or leaking on receipt.	
	5. Temperature of samples inappropriate for analysis requested.	
	6. Container inappropriate for analysis requested.	
	7. Inadequate sample volume.	
	8. Preservation inappropriate for analysis requested.	
	9. Samples received out of holding time or analysis requested.	
	10. Discrepancies between COC form and container labels.	
<b>X</b>	11. Other	

**Corrective Actions Taken:**

*Faced copy of CDC to Kent Brown for signature. Kind attached a faced copy of the signed CDC.*

*SM*

Notified: <input checked="" type="checkbox"/> Client <u>Madeline Wall &amp; Kent Brown</u> <input type="checkbox"/> Division Mgr/Supervisor <input type="checkbox"/> LQAC <input type="checkbox"/> Client Services	By: <u>Heather P. Cavell</u> 08/17/95 Sample Custody Supervisor <i>SM</i>
--	--