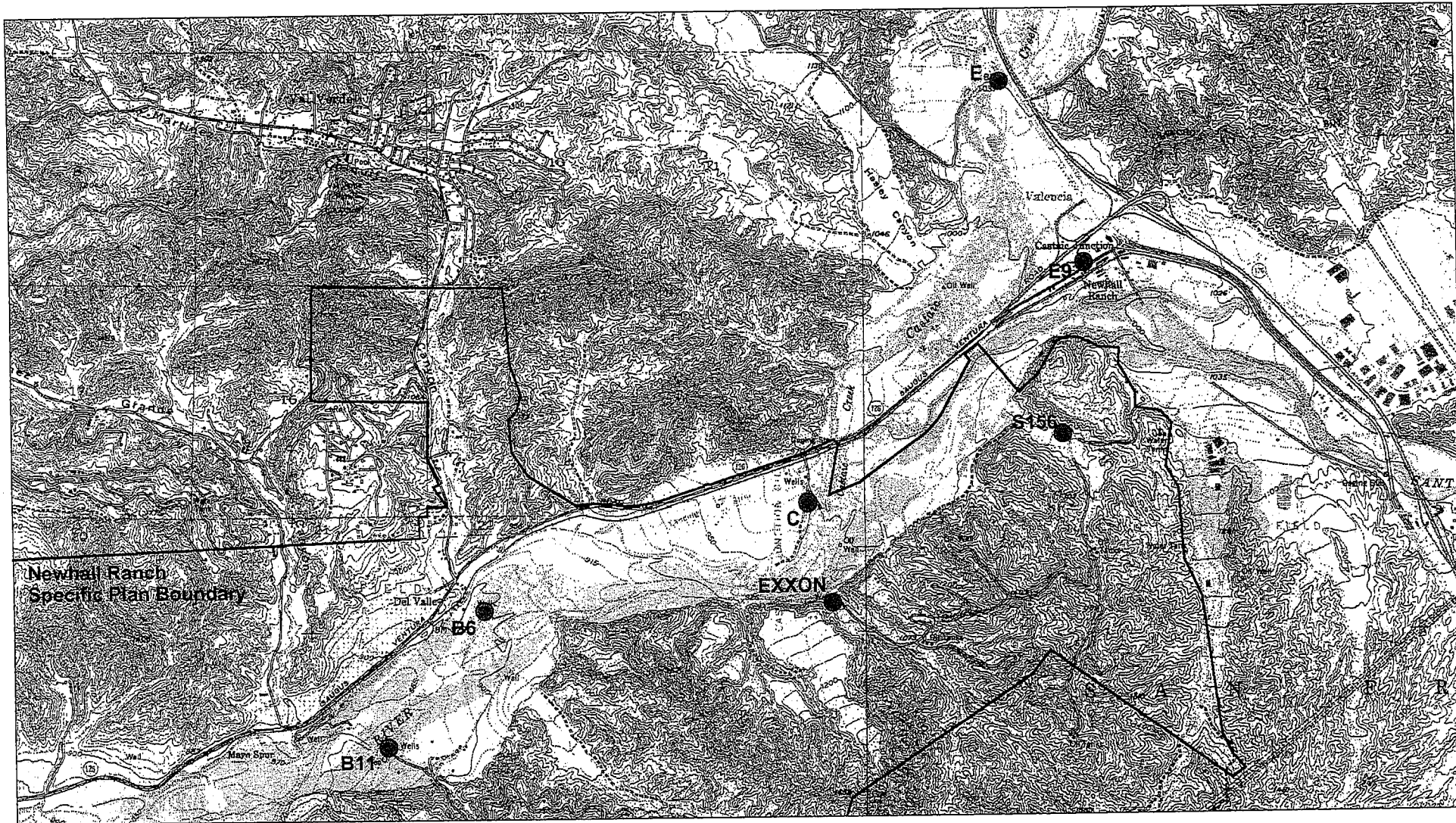
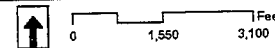

**Additional Newhall Ranch Agricultural Well Water Quality Data
(2000-2001)**

**ADDITIONAL NEWHALL RANCH AGRICULTURAL WELL
WATER QUALITY DATA
(2000-2001)**

116214



AG WELL LOCATION MAP
MAY 2003



116215



**SILLIKER LABORATORIES
OF SOUTHERN CALIFORNIA**

1139 East Dominguez, Suite I
Carson, CA 90746
310-637-7121 Fax 310-637-2953
FOOD SAFETY • QUALITY • NUTRITION

CERTIFICATE OF ANALYSIS

COA No.:	ECA-15024195-0
Sample No.:	None
COA Date:	5/24/00
Page 1 of 2	

TO:
Mr. Ross Benslermaker
Project Manager
Columbia Analytical Services
6925 Canoga Avenue
Canoga Park, CA 91303

Received From:	Canoga Park, CA
Received Date:	5/17/00
P.O.#/ID:	L2001744
Location of Test: (except where noted)	Carson, CA

Analytical Results

Desc. 1:	Log #:	Desc. 4:	Sample Date:	Laboratory ID:
Desc. 2:		Desc. 5:	Sample Time:	Condition Rec'd:
Desc. 3:		Desc. 6:	Matrix:	Temp Rec'd (°C):
Analyte		Result	Units	Method Reference
				Test Date Loc.
Desc. 1:	Log #: L2001744	Desc. 4:	Sample Date: 05/17/00	Laboratory ID: 150130536
Desc. 2:	Well E	Desc. 5:	Sample Time: 1018	Condition Rec'd: NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Water	Temp Rec'd (°C): 4.8
Analyte		Result	Units	Method Reference
				Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed. 5/19/00
E. coli - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed. 5/19/00
Heterotrophic Plate Count		8.0	/ml	SMEWW 18th ed. 5/19/00
Desc. 1:	Log #: L2001744	Desc. 4:	Sample Date: 05/17/00	Laboratory ID: 150130537
Desc. 2:	E-9	Desc. 5:	Sample Time: 1030	Condition Rec'd: NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Water	Temp Rec'd (°C): 4.8
Analyte		Result	Units	Method Reference
				Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed. 5/19/00
E. coli - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed. 5/19/00
Heterotrophic Plate Count		10	/ml	SMEWW 18th ed. 5/19/00
Desc. 1:	Log #: L2001744	Desc. 4:	Sample Date: 05/17/00	Laboratory ID: 150130538
Desc. 2:	C Well	Desc. 5:	Sample Time: 1045	Condition Rec'd: NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Water	Temp Rec'd (°C): 4.8
Analyte		Result	Units	Method Reference
				Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed. 5/19/00
E. coli - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed. 5/19/00
Heterotrophic Plate Count		99	/ml	SMEWW 18th ed. 5/19/00
Desc. 1:	Log #: L2001744	Desc. 4:	Sample Date: 05/17/00	Laboratory ID: 150130539
Desc. 2:	B-6	Desc. 5:	Sample Time: 1110	Condition Rec'd: NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Water	Temp Rec'd (°C): 4.8
Analyte		Result	Units	Method Reference
				Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed. 5/19/00
E. coli - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed. 5/19/00
Heterotrophic Plate Count		10	/ml	SMEWW 18th ed. 5/19/00
Desc. 1:	Log #: L2001744	Desc. 4:	Sample Date: 05/17/00	Laboratory ID: 150130540
Desc. 2:	B-11	Desc. 5:	Sample Time: 1200	Condition Rec'd: NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Water	Temp Rec'd (°C): 4.8
Analyte		Result	Units	Method Reference
				Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed. 5/19/00
E. coli - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed. 5/19/00
Heterotrophic Plate Count		<1	/ml	SMEWW 18th ed. 5/19/00

The results of these tests relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the laboratory.

116216



SILLIKER LABORATORIES OF SOUTHERN CALIFORNIA

1139 East Dominguez, Suite 1
Carson, CA 90746
310-637-7121, Fax 310-637-2953
FOOD SAFETY - QUALITY - NUTRITION

CERTIFICATE OF ANALYSIS

COA No.:	SCA-15024195-0
Supervisor:	None
COA Date:	5/24/00
Page 2 of 2	

TO:
Mr. Ross Benfermaker
Project Manager
Columbia Analytical Services
6925 Canoga Avenue
Canoga Park, CA 91303

Received From:	Canoga Park, CA
Received Date:	5/17/00
P.O.#/ID:	L2001744
Location of Test (except where noted): Carson, CA	

Analytical Results

Desc. 1:	Log #: L2001744	Desc. 4:	Sample Date: 5/17/00	Laboratory ID:	150130541
Desc. 2:	S-158	Desc. 5:	Sample Time: 1:50	Condition Rec'd:	NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Water	Temp Rec'd (°C):	4.8
Analyte		Result	Units	Method Reference	Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100ml	SMEWW, 18th ed.	5/19/00
E. coli - 10X10 ml MPN		<1.1	/100ml	SMEWW, 18th ed.	5/18/00
Heterotrophic Plate Count		1.0	/ml	SMEWW 18th ed.	5/19/00

COA Comment: This water complies with State of California and the U.S. Public Health Services regulations for potable water as analyzed by Silliker Laboratories.

Melissa Calochila
Melissa Calochila Lab Director

The results of these tests relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the laboratory.

116217

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2001744
 Date Collected: 5/17/00
 Date Received: 5/17/00

Metals

Sample Name: WELL B
 Lab Code: L2001744-001
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Arsenic, Total	METHOD	205.2	0.005	1	5/23/00	5/23/00	ND	
Barium, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	0.02	
Boron, Total	METHOD	200.7	0.05	1	5/18/00	5/18/00	0.42	
Cadmium, Total	METHOD	200.7	0.005	1	5/18/00	5/18/00	ND	
Calcium, Total	METHOD	200.7	0.05	1	5/18/00	5/18/00	87	
Chromium, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Copper, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Iron, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Magnesium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	29	
Manganese, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Mercury, Total	METHOD	245.1	0.0005	1	5/23/00	5/23/00	ND	
Nickel, Total	METHOD	200.7	0.04	1	5/18/00	5/18/00	ND	
Selenium, Total	METHOD	270.2	0.005	1	5/23/00	5/23/00	ND	
Silver, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Sodium, Total	METHOD	200.7	0.5	1	5/18/00	5/18/00	97	
Thallium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Zinc, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	ND	

Approved By: _____
1875-521227

613 Date: 5/24/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2001744
 Date Collected: 5/17/00
 Date Received: 5/17/00

Metals

Sample Name: E-9
 Lab Code: L2001744-002
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Arsenic, Total	METHOD	206.2	0.005	1	5/23/00	5/23/00	ND	
Barium, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	0.03	
Boron, Total	METHOD	200.7	0.03	1	5/18/00	5/18/00	0.36	
Cadmium, Total	METHOD	200.7	0.005	1	5/18/00	5/18/00	ND	
Calcium, Total	METHOD	200.7	0.05	1	5/18/00	5/18/00	93	
Chromium, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Copper, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Iron, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	0.3	
Magnesium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	35	
Manganese, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	0.08	
Mercury, Total	METHOD	245.1	0.0005	1	5/23/00	5/23/00	ND	
Nickel, Total	METHOD	200.7	0.04	1	5/18/00	5/18/00	ND	
Selenium, Total	METHOD	270.2	0.005	1	5/23/00	5/23/00	ND	
Silver, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Sodium, Total	METHOD	200.7	0.5	1	5/18/00	5/18/00	74	
Thallium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Zinc, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	0.04	

Approved By: _____
12-4-02/2397p

EQS Date: 5/24/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2001744
 Date Collected: 5/17/00
 Date Received: 5/17/00

Metals

Sample Name: C WELL
 Lab Code: L2001744-003
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Arsenic, Total	METHOD	205.2	0.003	1	5/23/00	5/23/00	ND	
Barium, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	0.02	
Boron, Total	METHOD	200.7	0.05	1	5/18/00	5/18/00	0.40	
Cadmium, Total	METHOD	200.7	0.005	1	5/18/00	5/18/00	ND	
Calcium, Total	METHOD	200.7	0.05	1	5/18/00	5/18/00	100	
Chromium, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Copper, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Iron, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Magnesium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	36	
Manganese, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Mercury, Total	METHOD	245.1	0.0005	1	5/23/00	5/23/00	ND	
Nickel, Total	METHOD	200.7	0.04	1	5/18/00	5/18/00	ND	
Selenium, Total	METHOD	270.2	0.005	1	5/23/00	5/23/00	ND	
Silver, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Sulfate, Total	METHOD	200.7	0.5	1	5/18/00	5/18/00	98	
Thallium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Zinc, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	ND	

Approved By: _____
1846213579

SJS Date: **5/24/00**

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2001744
 Date Collected: 5/17/00
 Date Received: 5/17/00

Metals

Sample Name: B-6
 Lab Code: L2001744-004
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Arsenic, Total	METHOD	206.2	0.005	1	5/23/00	5/23/00	ND	
Barium, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	0.03	
Boron, Total	METHOD	200.7	0.05	1	5/18/00	5/18/00	0.49	
Cadmium, Total	METHOD	200.7	0.005	1	5/18/00	5/18/00	ND	
Calcium, Total	METHOD	200.7	0.03	1	5/18/00	5/18/00	130	
Chromium, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Copper, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Iron, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	0.7	
Magnesium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	43	
Manganese, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Mercury, Total	METHOD	245.1	0.0003	1	5/23/00	5/23/00	ND	
Nickel, Total	METHOD	200.7	0.04	1	5/18/00	5/18/00	ND	
Selenium, Total	METHOD	270.2	0.005	1	5/23/00	5/23/00	ND	
Silver, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Sodium, Total	METHOD	200.7	0.5	1	5/18/00	5/18/00	120	
Thallium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Zinc, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	ND	

Approved By: _____
1825412377

Signature: EQS Date: 5/24/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2001744
 Date Collected: 5/17/00
 Date Received: 5/17/00

Metals

Sample Name: B-11
 Lab Code: L2001744-005
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Arsenic, Total	METHOD	206.2	0.005	1	5/23/00	5/23/00	ND	
Barium, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	ND	
Boron, Total	METHOD	200.7	0.05	1	5/18/00	5/18/00	0.61	
Cadmium, Total	METHOD	200.7	0.005	1	5/18/00	5/18/00	ND	
Calcium, Total	METHOD	200.7	0.05	1	5/18/00	5/18/00	110	
Chromium, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Copper, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Iron, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	0.1	
Magnesium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	35	
Manganese, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	0.10	
Mercury, Total	METHOD	245.1	0.0005	1	5/23/00	5/23/00	ND	
Nickel, Total	METHOD	200.7	0.04	1	5/18/00	5/18/00	ND	
Selenium, Total	METHOD	270.2	0.005	1	5/23/00	5/23/00	ND	
Silver, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Sodium, Total	METHOD	200.7	0.5	1	5/18/00	5/18/00	130	
Thallium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Zinc, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	ND	

Approved By: _____
 1524/05/24/00

BQS

Date: 5/24/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2001744
 Date Collected: 5/17/00
 Date Received: 5/17/00

Metals

Sample Name: B-156
 Lab Code: L2001744-006
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Arsenic, Total	METHOD	206.2	0.005	1	5/23/00	5/23/00	ND	
Barium, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	ND	
Boron, Total	METHOD	200.7	0.05	1	5/18/00	5/18/00	0.25	
Cadmium, Total	METHOD	200.7	0.005	1	5/18/00	5/18/00	ND	
Calcium, Total	METHOD	200.7	0.05	1	5/18/00	5/18/00	110	
Chromium, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Copper, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Iron, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Magnesium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	38	
Manganese, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Mercury, Total	METHOD	245.1	0.0005	1	5/23/00	5/23/00	ND	
Nickel, Total	METHOD	200.7	0.04	1	5/18/00	5/18/00	ND	
Selenium, Total	METHOD	270.2	0.005	1	5/23/00	5/23/00	ND	
Silver, Total	METHOD	200.7	0.01	1	5/18/00	5/18/00	ND	
Sodium, Total	METHOD	200.7	0.5	1	5/18/00	5/18/00	79	
Thallium, Total	METHOD	200.7	0.1	1	5/18/00	5/18/00	ND	
Zinc, Total	METHOD	200.7	0.02	1	5/18/00	5/18/00	0.04	

Approved By: _____
184621999

EQS Date: 5/24/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Newhall Land and Farming Company
Newhall Ranch
Water

Service Request: L2001744
Date Collected: 5/17/00
Date Received: 5/17/00

Inorganic Parameters

Sample Name: WELL E
Lab Code: L2001744-001
Test Notes:

Basis: NA

Analyte	Units	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Remarks
Alkalinity as CaCO ₃ , Total	mg/L (ppm)	SM 2320B	10	1	NA	5/18/00	200	
Chloride	mg/L (ppm)	300.0	0.5	20	NA	5/18/00	70	
Color	COLOR UNIT	110.2	5	1	NA	5/17/00	ND	
Conductivity	uMHOS/cm	120.1	10	1	NA	5/17/00	1100	
Cyanide, Total	mg/L (ppm)	335.2	0.05	1	NA	5/22/00	ND	
Fluoride	mg/L (ppm)	340.2	0.1	1	NA	5/17/00	0.9	
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	1	NA	5/18/00	1.6	
Nitrite as Nitrogen	mg/L (ppm)	354.1	0.083	1	NA	5/18/00	ND	
Odor	T.O.N.	140.1	1	1	NA	5/17/00	ND	
pH	pH UNITS	150.1	-	1	NA	5/17/00	7.5	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	1	NA	5/17-18/00	650	
Sulfate	mg/L (ppm)	300.0	1.0	20	NA	5/18/00	250	
Surfactants	mg/L (ppm)	425.1	0.1	1	5/18/00	5/18/00	ND	
Turbidity	NTU	180.1	0.1	1	NA	5/17/00	0.4	

Approved By: _____
LSC/02/0577

JDS Date: 5/23/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Newhall Land and Farming Company
Newhall Ranch
Water

Service Request: L2001744
Date Collected: 5/17/00
Date Received: 5/17/00

Inorganic Parameters

Sample Name:
Lab Code:
Test Notes:

C WELL
L2001744-003

Basis: NA

Analyte	Units	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Alkalinity as CaCO ₃ , Total	mg/L (ppm)	SM 2320B	10	1	NA	5/18/00	260	
Chloride	mg/L (ppm)	300.0	0.5	10	NA	5/18/00	57	
Color	OLOR UNIT	110.2	5	1	NA	5/17/00	ND	
Conductivity	uMHOS/cm	120.1	10	1	NA	5/17/00	1200	
Cyanide, Total	mg/L (ppm)	335.2	0.05	1	NA	5/22/00	ND	
Fluoride	mg/L (ppm)	340.2	0.1	1	NA	5/17/00	0.7	
Nitrite as Nitrogen	mg/L (ppm)	300.0	0.2	1	NA	5/18/00	2.1	
Nitrite as Nitrogen	mg/L (ppm)	354.1	0.003	1	NA	5/18/00	ND	
Odor	T.O.N.	145.1	1	1	NA	5/17/00	ND	
pH	pH UNITS	150.1	-	1	NA	5/17/00	7.5	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	1	NA	5/17-18/00	750	
Sulfate	mg/L (ppm)	363.0	1.0	10	NA	5/18/00	290	
Surfactants	mg/L (ppm)	425.1	0.1	1	5/18/00	5/18/00	ND	
Turbidity	NTU	180.1	0.1	1	NA	5/17/00	0.2	

Approved By: _____
156/02/1977

BQS Date: 5/23/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2001744
 Date Collected: 5/17/00
 Date Received: 5/17/00

Inorganic Parameters

Sample Name: B-6
 Lab Code: L2001744-004
 Test Notes:

Basis: NA

Analyte	Units	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Alkalinity as CaCO3, Total	mg/L (ppm)	SM 2320B	10	1	NA	5/18/00	310	
Chloride	mg/L (ppm)	300.0	0.5	10	NA	5/18/00	.83	
Color	OLOR UNIT	110.2	3	1	NA	5/17/00	ND	
Conductivity	uMHCOS/cm	120.1	10	1	NA	5/17/00	1400	
Cyanide, Total	mg/L (ppm)	335.2	0.05	1	NA	5/22/00	ND	
Fluoride	mg/L (ppm)	340.2	0.1	1	NA	5/17/00	0.8	
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	1	NA	5/18/00	1.9	
Nitrite as Nitrogen	mg/L (ppm)	354.1	0.003	1	NA	5/18/00	ND	
Odor	T.O.N.	140.1	1	1	NA	5/17/00	ND	
pH	pH UNITS	150.1	-	1	NA	5/17/00	7.4	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	1	NA	5/17-18/00	940	
Sulfate	mg/L (ppm)	300.0	1.0	10	NA	5/18/00	360	
Surfactants	mg/L (ppm)	425.1	0.1	1	5/18/00	5/18/00	ND	
Turbidity	NTU	180.1	0.1	1	NA	5/17/00	0.3	

Approved By: _____
194/011377

BQS Date: 5/23/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2001744
 Date Collected: 5/17/00
 Date Received: 5/17/00

Inorganic Parameters

Sample Name: B-11
 Lab Code: L2001744-005
 Test Notes:

Basis: NA

Analyte	Units	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Alkalinity as CaCO ₃ , Total	mg/L (ppm)	SM 2320B	10	1	NA	5/18/00	260	
Chloride	mg/L (ppm)		300.0	10	NA	5/18/00	88	
Color	COLOR UNIT		110.2	1	NA	5/17/00	ND	
Conductivity	UMHOS/cm		120.1	1	NA	5/17/00	1300	
Cyanide, Total	mg/L (ppm)		335.2	0.05	1	NA	5/22/00	ND
Fluoride	mg/L (ppm)		340.2	0.1	1	NA	5/17/00	0.7
Nitrate as Nitrogen	mg/L (ppm)		300.0	0.2	1	NA	5/18/00	2.3
Nitrite as Nitrogen	mg/L (ppm)		354.1	0.003	1	NA	5/18/00	0.008
Odor	T.O.N.		140.1	1	NA	5/17/00	ND	
pH	pH UNITS		150.1	-	1	NA	5/17/00	7.6
Solids, Total Dissolved (TDS)	mg/L (ppm)		150.1	10	NA	5/17-18/00	800	
Sulfate	mg/L (ppm)		300.0	1.0	10	NA	5/18/00	290
Surfactants	mg/L (ppm)		425.1	0.1	1	5/12/00	5/12/00	ND
Turbidity	NTU		180.1	0.1	1	NA	5/17/00	ND

Approved By: _____
 1844/21337p

BQS Date: 5/23/00

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Nowhall Land and Farming Company
 Project: Nowhall Ranch
 Sample Matrix: Water

Service Request: L2001744
 Date Collected: 5/17/00
 Date Received: 5/17/00

Inorganic Parameters

Sample Name: S-156
 Lab Code: L2001744-006
 Test Notes:

Basis: NA

Analyte	Units	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Alkalinity as CaCO ₃ , Total	mg/L (ppm)	SM 2320B	10	1	NA	5/18/00	220	
Chloride	mg/L (ppm)		0.5	10	NA	5/18/00	.26	
Color	COLOR UNIT		5	1	NA	5/17/00	ND	
Conductivity	uMHOs/cm		10	1	NA	5/17/00	1100	
Cyanide, Total	mg/L (ppm)		0.05	1	NA	5/22/00	ND	
Fluoride	mg/L (ppm)		0.1	1	NA	5/17/00	0.4	
Nitrate as Nitrogen	mg/L (ppm)		0.2	1	NA	5/18/00	2.4	
Nitrite as Nitrogen	mg/L (ppm)		0.003	1	NA	5/18/00	ND	
Odor	T.O.N.		1	1	NA	5/17/00	ND	
pH	pH UNITS		-	1	NA	5/17/00	7.7	
Solids, Total Dissolved (TDS)	mg/L (ppm)		10	1	NA	5/17-18/00	770	
Sulfate	mg/L (ppm)		1.0	10	NA	5/18/00	360	
Surfactants	mg/L (ppm)		0.1	1	5/18/00	5/18/00	ND	
Turbidity	NTU		0.1	1	NA	5/17/00	0.1	

Approved By: _____
1844021.3072

BQS Date: 5/23/00

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Laboratory
 Report
 #66091

Columbia Analytical Services
 Ross Fenstermaker, Eydie Schwrtz
 6925 Canoga Avenue
 Canoga Park, CA 91304

Samples Received
 18-may-2000 09:24:00

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
NELL E (2005180055) Sampled on 05/17/00								
Gross Alpha and Beta Radiation								
	05/31/00	116953	(ML/EPA 900.0)	Alpha, Gross	3.5	pCi/l	1.3	1
	05/31/00	116953	(ML/EPA 900.0)	Alpha, Two Sigma Error	2.7	pCi/l	0.0000	1
	05/31/00	116953	(ML/EPA 900.0)	Alpha, Min Detectable Activity	1.3	pCi/l	1.3	1
	05/31/00	116953	(ML/EPA 900.0)	Beta, Gross	3.3	pCi/l	1.7	1
	05/31/00	116953	(ML/EPA 900.0)	Beta, Two Sigma Error	3.9	pCi/l	0.0000	1
	05/31/00	116953	(ML/EPA 900.0)	Beta, Min Detectable Activity	1.7	pCi/l	1.7	1
Radon 222								
	05/18/00	116912	(SM7500RN)	Radon 222	230	pCi/l	50	1
	05/18/00	116912	(SM7500RN)	Radon 222, Two Sigma Error	19.7	pCi/l	0.0000	1
Regulated VOCs plus Lists 1&3								
	05/25/00	116936	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1

116230



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Laboratory
Report
#66091

Columbia Analytical Services
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	05/25/00	116936	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Di-isopropyl ether	NA	ug/l	5.0	1
	05/25/00	116936	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	05/25/00	116936	(ML/E524.2/624)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1

116231

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Laboratory
 Report
 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	tert-amyl Methyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Total THM	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Total xylenes	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	NA	† Rec		
			(Surrogate)	4-Bromofluorobenzene	71	† Rec		
			(Surrogate)	Toluene-d8	NA	† Rec		

E-9 (2005180057)

Sampled on 05/17/00

Gross Alpha and Beta Radiation

05/31/00	116953	(ML/EPA 900.0)	Alpha, Gross	3.5	pCi/l	1.5	1
05/31/00	116953	(ML/EPA 900.0)	Alpha, Two Sigma Error	3.3	pCi/l	0.0000	1
05/31/00	116953	(ML/EPA 900.0)	Alpha, Min Detectable Activity	1.5	pCi/l	1.5	1
05/31/00	116953	(ML/EPA 900.0)	Beta, Gross	7.8	pCi/l	1.1	1
05/31/00	116953	(ML/EPA 900.0)	Beta, Two Sigma Error	2.8	pCi/l	0.0000	1
05/31/00	116953	(ML/EPA 900.0)	Beta, Min Detectable Activity	1.1	pCi/l	1.1	1

Radon 222

05/18/00	116912	(SM7500RN)	Radon 222	185	pCi/l	50	1
05/18/00	116912	(SM7500RN)	Radon 222, Two Sigma Error	18.6	pCi/l	0.0000	1

Regulated VOCs plus Lists 1&3

05/25/00	116936	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1

116232

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Laboratory
 Report
 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	{ ML/EPA 524.2 }	1,1-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	1,1-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	1,2-Dichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	1,2-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	1,3-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	2,2-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	2-Butanone (MEK)	ND	ug/l	5.0	1
	05/25/00	116936	{ ML/EPA 524.2 }	o-Chlorotoluene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	p-Chlorotoluene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	05/25/00	116936	{ ML/EPA 524.2 }	Benzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Bromobenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Chlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Carbon Tetrachloride	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	cis-1,3-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Bromoform	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Bromochloromethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Chloroethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Chlorodibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Dibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Bromodichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Dichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Di-isopropyl ether	NA	ug/l	5.0	1
	05/25/00	116936	{ ML/EPA 524.2 }	Ethyl benzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/RS24.2/524 }	Dichlorodifluoromethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1

116233

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Laboratory
 Report
 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	05/25/00	116936	(ML/ES24.2/624)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	tert-amyl Methyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Total THM	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Total xylenes	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	NA	† Rec		
			(Surrogate)	4-Bromofluorobenzene	102	† Rec		
			(Surrogate)	Toluene-d8	NA	† Rec		

C WELL (2005180058)

Sampled on 05/17/00

Gross Alpha and Beta Radiation

05/31/00	116953	(ML/EPA 900.0)	Alpha, Gross	5.2	pCi/l	1.0	1
05/31/00	116953	(ML/EPA 900.0)	Alpha, Two Sigma Error	2.2	pCi/l	0.0060	1
05/31/00	116953	(ML/EPA 900.0)	Alpha, Min Detectable Activity	1.0	pCi/l	1.0	1
05/31/00	116953	(ML/EPA 900.0)	Beta, Gross	3.6	pCi/l	2.4	1

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Laboratory
 Report
 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/31/00	116953	(ML/EPA 900.0)	Beta, Two Sigma Error	5.0	pCi/l	0.0000	1
	05/31/00	116953	(ML/EPA 900.0)	Beta, Min Detectable Activity	2.4	pCi/l	2.4	1
Radon 222								
	05/18/00	116912	(SM7500RN)	Radon 222	235	pCi/l	50	1
	05/18/00	116912	(SM7500RN)	Radon 222, Two Sigma Error	20.0	pCi/l	0.0000	1
Regulated VOCs plus Lists 1&3								
	05/25/00	116936	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	05/25/00	116936	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	05/25/00	116936	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1

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Laboratory
 Report
 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Di-Isopropyl ether	NA	ug/l	5.0	1
	05/25/00	116936	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/E524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	05/25/00	116936	(ML/E524.2/624)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	tert-amyl Methyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Total THM	ND	ug/l	0.50	1

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Laboratory
 Report
 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	(ML/EPA 524.2)	Total xylenes	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	NA	% Rec		
			(Surrogate)	4-Bromofluorobenzene	67	% Rec		
			(Surrogate)	Toluene-d8	NA	% Rec		

B-6 (2005180059)

Sampled on 05/17/00

Gross Alpha and Beta Radiation

05/31/00	116953	(ML/EPA 900.0)	Alpha, Gross	17.7	pCi/l	1.4	1
05/31/00	116953	(ML/EPA 900.0)	Alpha, Two Sigma Error	4.0	pCi/l	0.0000	1
05/31/00	116953	(ML/EPA 900.0)	Alpha, Min Detectable Activity	1.4	pCi/l	1.4	1
05/31/00	116953	(ML/EPA 900.0)	Beta, Gross	<2.3	pCi/l	2.3	1
05/31/00	116953	(ML/EPA 900.0)	Beta, Two Sigma Error	NA	pCi/l	0.0000	1
05/31/00	116953	(ML/EPA 900.0)	Beta, Min Detectable Activity	2.3	pCi/l	2.3	1

Radon 222

05/18/00	116912	(SM7500RN)	Radon 222	170	pCi/l	50	1
05/18/00	116912	(SM7500RN)	Radon 222, Two Sigma Error	18.5	pCi/l	0.0000	1

Regulated VOCs plus Lists 1&3

05/25/00	116936	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1

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Laboratory
 Report
 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	05/25/00	116936	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	05/25/00	116936	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Di-isopropyl ether	NA	ug/l	5.0	1
	05/25/00	116936	(ML/EPA 524.2)	Ethyl benzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2/624)	Dichlorodifluoromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Fluorotrichloromethane-Freon 11	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Hexachlorobutadiene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Isopropylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	m,p-Xylenes	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2/624)	Methyl Tert-butyl ether (MTBE)	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	Naphthalene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	n-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	n-Propylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	o-Xylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1

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Laboratory
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 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	(ML/EPA 524.2)	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Isopropyltoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	sec-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Styrene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	tert-amyl Methyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Trichlorotrifluoroethane (Freon	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	trans-1,3-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Total THM	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Total xylenes	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	NA	% Rec		
			(Surrogate)	4-Bromofluorobenzene	85	% Rec		
			(Surrogate)	Toluene-d8	NA	% Rec		

B-11 (2005180061)

Sampled on 05/17/00

Gross Alpha and Beta Radiation

05/31/00	116953	(ML/EPA 900.0)	Alpha, Gross	7.0	pCi/l	1.1	1
05/31/00	116953	(ML/EPA 900.0)	Alpha, Two Sigma Error	2.6	pCi/l	0.0000	1
05/31/00	116953	(ML/EPA 900.0)	Alpha, Min Detectable Activity	1.1	pCi/l	1.1	1
05/31/00	116953	(ML/EPA 900.0)	Beta, Gross	<2.9	pCi/l	2.9	1
05/31/00	116953	(ML/EPA 900.0)	Beta, Two Sigma Error	NA	pCi/l	0.0000	1
05/31/00	116953	(ML/EPA 900.0)	Beta, Min Detectable Activity	2.9	pCi/l	2.9	1

Radon 222

05/18/00	116912	(SM7500RN)	Radon 222	380	pCi/l	50	1
05/18/00	116912	(SM7500RN)	Radon 222, Two Sigma Error	23.0	pCi/l	0.0000	1

Regulated VOCs plus Lists 1&3

05/25/00	116936	(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
05/25/00	116936	(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1

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Laboratory
Report
#66091

Columbia Analytical Services
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
	05/25/00	116936	(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	05/25/00	116936	(ML/EPA 524.2)	Benzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Carbon Tetrachloride	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromoform	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromochloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloroethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Chlorodibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Dibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Bromodichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Dichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Di-isopropyl ether	NA	ug/l	5.0	1

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Laboratory
 Report
 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	{ ML/EPA 524.2 }	Ethyl benzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/E524.2/624 }	Dichlorodifluoromethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Hexachlorobutadiene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Isopropylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	m,p-Xylenes	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/E524.2/624 }	Methyl Tert-butyl ether (MTBE)	ND	ug/l	3.0	1
	05/25/00	116936	{ ML/EPA 524.2 }	Naphthalene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	n-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	n-Propylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	o-Xylene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	p-Isopropyltoluene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	sec-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Styrene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	tert-amyl Methyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	{ ML/EPA 524.2 }	tert-Butyl Ethyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	{ ML/EPA 524.2 }	tert-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Trichlorotrifluoroethane (Freon)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Toluene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Total THM	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Total xylenes	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Vinyl chloride (VC)	ND	ug/l	0.30	1
			{ Surrogate }	1,2-Dichloroethane-d4	NA	† Rec		
			{ Surrogate }	4-Bromofluorobenzene	95	† Rec		
			{ Surrogate }	Toluene-d8	NA	† Rec		

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Laboratory
 Report
 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
S-156 (2005180062)		Sampled on 05/17/00						
Gross Alpha and Beta Radiation								
06/06/00	117260		(ML/EPA 900.0)	Alpha, Gross	4.3	pCi/l	1.3	1
06/06/00	117260		(ML/EPA 900.0)	Alpha, Two Sigma Error	2.9	pCi/l	0.0000	1
06/06/00	117260		(ML/EPA 900.0)	Alpha, Min Detectable Activity	1.3	pCi/l	1.3	1
06/06/00	117260		(ML/EPA 900.0)	Beta, Gross	7.0	pCi/l	1.7	1
06/06/00	117260		(ML/EPA 900.0)	Beta, Two Sigma Error	4.1	pCi/l	0.0000	1
06/06/00	117260		(ML/EPA 900.0)	Beta, Min Detectable Activity	1.7	pCi/l	1.7	1
Radon 222								
05/18/00	116912		(SM7500RN)	Radon 222	138	pCi/l	50	1
05/18/00	116912		(SM7500RN)	Radon 222, Two Sigma Error	17.7	pCi/l	0.0000	1
Regulated VOCs plus Lists 1&3								
05/25/00	116936		(ML/EPA 524.2)	1,1,1,2-Tetrachloroethane	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,1,1-Trichloroethane	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,1,2,2-Tetrachloroethane	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,1,2-Trichloroethane	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,1-Dichloroethane	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,1-Dichloroethylene	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,1-Dichloropropene	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,2,3-Trichlorobenzene	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,2,3-Trichloropropane	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,2,4-Trichlorobenzene	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,2,4-Trimethylbenzene	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,2-Dichloroethane	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,2-Dichloropropane	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,3,5-Trimethylbenzene	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	1,3-Dichloropropane	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	p-Dichlorobenzene (1,4-DCB)	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	2,2-Dichloropropane	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	2-Butanone (MEK)	ND	ug/l	5.0	1
05/25/00	116936		(ML/EPA 524.2)	o-Chlorotoluene	ND	ug/l	0.50	1
05/25/00	116936		(ML/EPA 524.2)	p-Chlorotoluene	ND	ug/l	0.50	1

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Laboratory
 Report
 #66091

Columbia Analytical Services
 (continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	{ ML/EPA 524.2 }	4-Methyl-2-Pentanone (MIBK)	ND	ug/l	5.0	1
	05/25/00	116936	{ ML/EPA 524.2 }	Benzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Bromobenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Bromomethane (Methyl Bromide)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	cis-1,2-Dichloroethylene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Chlorobenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Carbon Tetrachloride	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	cis-1,3-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Bromoform	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Chloroform (Trichloromethane)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Bromochloromethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Chloroethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Chloromethane (Methyl Chloride)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Chlorodibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Dibromomethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Bromodichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Dichloromethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Di-isopropyl ether	NA	ug/l	5.0	1
	05/25/00	116936	{ ML/EPA 524.2 }	Ethyl benzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/ES24.2/624 }	Dichlorodifluoromethane	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Fluorotrichloromethane-Freon11	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Hexachlorobutadiene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Isopropylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	m-Dichlorobenzene (1,3-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	m,p-Xylenes	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/ES24.2/624 }	Methyl Tert-butyl ether (MTBE)	ND	ug/l	3.0	1
	05/25/00	116936	{ ML/EPA 524.2 }	Naphthalene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	n-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	n-Propylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	o-Xylene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	o-Dichlorobenzene (1,2-DCB)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Tetrachloroethylene (PCE)	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	p-Isopropyltoluene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	sec-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	Styrene	ND	ug/l	0.50	1
	05/25/00	116936	{ ML/EPA 524.2 }	trans-1,2-Dichloroethylene	ND	ug/l	0.50	1

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Laboratory
Report
#66091

Columbia Analytical Services
(continued)

Prepared	Analyzed	QC Batch#	Method	Analyte	Result	Units	MRL	Dilution
	05/25/00	116936	(ML/EPA 524.2)	tert-amyl Methyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	tert-Butyl Ethyl Ether	ND	ug/l	3.0	1
	05/25/00	116936	(ML/EPA 524.2)	tert-Butylbenzene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Trichloroethylene (TCE)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Trichlorotrifluoroethane(Freon)	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	trans-1,3-Dichloropropene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Toluene	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Total THM	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Total xylenes	ND	ug/l	0.50	1
	05/25/00	116936	(ML/EPA 524.2)	Vinyl chloride (VC)	ND	ug/l	0.30	1
			(Surrogate)	1,2-Dichloroethane-d4	NA	† Rec		
			(Surrogate)	4-Bromofluorobenzene	BB	† Rec		
			(Surrogate)	Toluene-d8	NA	† Rec		

116244

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Newhall Land and Farming Company
Newhall Ranch
Water

Service Request: L2100666
Date Collected: 3/1/01
Date Received: 3/1/01

Volatile Organic Compounds

Sample Name:
Lab Code:
Test Notes:

6 WELL
L2100666-001

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorotrifluoroethane (CFC 113)	METHOD	524.2	2	1	NA	3/5/01	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Acetone	METHOD	524.2	5	1	NA	3/5/01	ND	
Carbon Disulfide	METHOD	524.2	5	1	NA	3/5/01	ND	
Methylene Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Methyl tert-Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloroethane (1,1-DCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Acetate	METHOD	524.2	5	1	NA	3/5/01	ND	
Diisopropyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Ethyl tert-Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Butanone (MEK)	METHOD	524.2	5	1	NA	3/5/01	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,1-Trichloroethane (TCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Benzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloroethane (EDC)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
tert-Amyl Methyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chloroethyl Vinyl Ether	METHOD	524.2	1	1	NA	3/5/01	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Methyl-2-pentanone (MIBK)	METHOD	524.2	5	1	NA	3/5/01	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Toluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Hexanone	METHOD	524.2	5	1	NA	3/5/01	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromoethane (EDB)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By: _____

Date: _____

3-16-01

116245

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water


Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Volatile Organic Compounds

Sample Name: E WELL
 Lab Code: L2100666-001
 Test Notes:

Units: ng/L (ppb)
 Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
p-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	1	1	NA	3/5/01	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By: 
 IS2/p020597p

Date: 3-16-01

116246

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Newhall Land and Farming Company
Newhall Ranch
Water

Service Request: L2100666
Date Collected: 3/1/01
Date Received: 3/1/01

Volatile Organic Compounds

Sample Name: E-9 WELL
Lab Code: L2100666-002
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorotrifluoroethane (CFC 113)	METHOD	524.2	2	1	NA	3/5/01	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Acetone	METHOD	524.2	5	1	NA	3/5/01	ND	
Carbon Disulfide	METHOD	524.2	5	1	NA	3/5/01	ND	
Methylene Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Methyl tert-Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
trans-1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloroethane (1,1-DCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Acetate	METHOD	524.2	5	1	NA	3/5/01	ND	
Diisopropyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Ethyl tert-Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Butanone (MEK)	METHOD	524.2	5	1	NA	3/5/01	ND	
cis-1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromochloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,1-Trichloroethane (TCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Benzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloroethane (EDC)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
tert-Amyl Methyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chloroethyl Vinyl Ether	METHOD	524.2	1	1	NA	3/5/01	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Methyl-2-pentanone (MIBK)	METHOD	524.2	5	1	NA	3/5/01	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Toluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Hexanone	METHOD	524.2	5	1	NA	3/5/01	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromoethane (EDB)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By: _____

Date: 3-16-01

116247

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Newhall Land and Farming Company
Newhall Ranch
Water

Service Request: L2100666
Date Collected: 3/1/01
Date Received: 3/1/01

Volatile Organic Compounds

Sample Name: C WELL
Lab Code: L2100666-003
Test Notes:

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorotrifluoroethane (CFC 113)	METHOD	524.2	2	1	NA	3/5/01	ND	
1,1-Dichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Acetone	METHOD	524.2	5	1	NA	3/5/01	ND	
Carbon Disulfide	METHOD	524.2	5	1	NA	3/5/01	ND	
Methylene Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Methyl <i>tert</i> -Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
<i>trans</i> -1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloroethane (1,1-DCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Acetate	METHOD	524.2	5	1	NA	3/5/01	ND	
Diisopropyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Ethyl <i>tert</i> -Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Butanone (MEK)	METHOD	524.2	5	1	NA	3/5/01	ND	
<i>cis</i> -1,2-Dichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,1-Trichloroethane (TCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Benzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloroethane (EDC)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
<i>tert</i> -Amyl Methyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chloroethyl Vinyl Ether	METHOD	524.2	1	1	NA	3/5/01	ND	
<i>cis</i> -1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Methyl-2-pentanone (MIBK)	METHOD	524.2	5	1	NA	3/5/01	ND	
<i>trans</i> -1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Toluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Hexanone	METHOD	524.2	5	1	NA	3/5/01	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromoethane (EDB)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By: _____

Date: 3-16-01

116249

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Newhall Land and Farming Company
Newhall Ranch
Water

Service Request: L2100666
Date Collected: 3/1/01
Date Received: 3/1/01

Volatile Organic Compounds

Sample Name:
Lab Code:
Test Notes:

C WELL
L2100666-003

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromoforn	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
p-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	1	1	NA	3/5/01	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By: _____
182p/020597p

Date: 3-16-01

116250

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Volatile Organic Compounds

Sample Name: B-6 WELL
 Lab Code: L2100666-004
 Test Notes:

Units: ug/L (ppb)
 Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorotrifluoroethane (CFC 113)	METHOD	524.2	2	1	NA	3/5/01	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Acetone	METHOD	524.2	5	1	NA	3/5/01	ND	
Carbon Disulfide	METHOD	524.2	5	1	NA	3/5/01	ND	
Methylene Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Methyl tert-Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloroethane (1,1-DCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Acetate	METHOD	524.2	5	1	NA	3/5/01	ND	
Diisopropyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Ethyl tert-Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Butanone (MEK)	METHOD	524.2	5	1	NA	3/5/01	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,1-Trichloroethane (TCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Benzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloroethane (EDC)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
tert-Butyl Methyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chloroethyl Vinyl Ether	METHOD	524.2	1	1	NA	3/5/01	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Methyl-2-pentanone (MIBK)	METHOD	524.2	5	1	NA	3/5/01	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Toluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Hexanone	METHOD	524.2	5	1	NA	3/5/01	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromoethane (EDB)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By: _____

Date: _____

3-16-01

116251

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water


Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Volatile Organic Compounds

Sample Name: B-5 WELL
 Lab Code: L2100666-004
 Test Notes:

Units: ug/L (ppb)
 Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
p-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	1	1	NA	3/5/01	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By: 
 182p/020597p

Date: 3-16-01

116252

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Newhall Land and Farming Company
Newhall Ranch
Water

Service Request: L2100666
Date Collected: 3/1/01
Date Received: 3/1/01

Volatile Organic Compounds

Sample Name:
Lab Code:
Test Notes:

EXON WELL
L2100666-005

Units: ug/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorotrifluoroethane (CFC 113)	METHOD	524.2	2	1	NA	3/5/01	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Acetone	METHOD	524.2	5	1	NA	3/5/01	ND	
Carbon Disulfide	METHOD	524.2	5	1	NA	3/5/01	ND	
Methylene Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Methyl tert-Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
trans-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloroethane (1,1-DCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Acetate	METHOD	524.2	5	1	NA	3/5/01	ND	
Diisopropyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Ethyl tert-Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Butanone (MEK)	METHOD	524.2	5	1	NA	3/5/01	ND	
cis-1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,1-Trichloroethane (TCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Benzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloroethane (EDC)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
tert-Amyl Methyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chloroethyl Vinyl Ether	METHOD	524.2	1	1	NA	3/5/01	ND	
cis-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Methyl-2-pentanone (MIBK)	METHOD	524.2	5	1	NA	3/5/01	ND	
trans-1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Toluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Hexanone	METHOD	524.2	5	1	NA	3/5/01	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromochane (EDB)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By:

Date: 3-16-01

116253

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water


Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Volatile Organic Compounds

Sample Name: EXON WELL
 Lab Code: L2100666-005
 Test Notes:

Units: ug/L (ppb)
 Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
p-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	1	1	NA	3/5/01	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By: 
 182p/020597p

Date: 3-16-01

116254

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:
Project:
Sample Matrix:

Newhall Land and Farming Company
Newhall Ranch
Water

Service Request: L2100666
Date Collected: 3/1/01
Date Received: 3/1/01

Volatile Organic Compounds

Sample Name: B-11 WELL
Lab Code: L2100666-006
Test Notes:

Units: ng/L (ppb)
Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Dichlorodifluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorofluoromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Trichlorotrifluoroethane (CFC 113)	METHOD	524.2	2	1	NA	3/5/01	ND	
1,1-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Acetone	METHOD	524.2	5	1	NA	3/5/01	ND	
Carbon Disulfide	METHOD	524.2	5	1	NA	3/5/01	ND	
Methylene Chloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Methyl <i>tert</i> -Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
<i>trans</i> -1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloroethane (1,1-DCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Vinyl Acetate	METHOD	524.2	5	1	NA	3/5/01	ND	
Diisopropyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Ethyl <i>tert</i> -Butyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
2,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Butanone (MEK)	METHOD	524.2	5	1	NA	3/5/01	ND	
<i>cis</i> -1,2-Dichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chloroform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,1-Trichloroethane (TCA)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Carbon Tetrachloride	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Benzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloroethane (EDC)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
<i>tert</i> -Amyl Methyl Ether	METHOD	524.2	2	1	NA	3/5/01	ND	
Trichloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Dibromomethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromodichloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chloroethyl Vinyl Ether	METHOD	524.2	1	1	NA	3/5/01	ND	
<i>cis</i> -1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Methyl-2-pentanone (MIBK)	METHOD	524.2	5	1	NA	3/5/01	ND	
<i>trans</i> -1,3-Dichloropropene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2-Trichloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Toluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Tetrachloroethene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Hexanone	METHOD	524.2	5	1	NA	3/5/01	ND	
Dibromochloromethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromoethene (EDB)	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Chlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By:

Date:

3-16-01

116255

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Volatile Organic Compounds

Sample Name: B-11 WELL
 Lab Code: L2100666-006
 Test Notes:

Units: ug/L (ppb)
 Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
p-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	1	1	NA	3/5/01	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By: _____
 1S2p/020597p

Date: 3-11-01

116256

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water


Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Volatile Organic Compounds

Sample Name: B-11 WELL
 Lab Code: L2100666-006
 Test Notes:

Units: ug/L (ppb)
 Basis: NA

Analyte	Prep Method	Analysis Method	CRDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
1,1,1,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Ethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Total Xylenes	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Styrene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromoform	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Isopropylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Bromobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,1,2,2-Tetrachloroethane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichloropropane	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Propylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
2-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
4-Chlorotoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3,5-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
tert-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,4-Trimethylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
sec-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,3-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
p-Isopropyltoluene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,4-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
n-Butylbenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2-Dibromo-3-chloropropane	METHOD	524.2	1	1	NA	3/5/01	ND	
1,2,4-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Hexachlorobutadiene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
Naphthalene	METHOD	524.2	0.5	1	NA	3/5/01	ND	
1,2,3-Trichlorobenzene	METHOD	524.2	0.5	1	NA	3/5/01	ND	

Approved By: 
 152p/020597p

Date:

3-16-01

116257

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
Project: Newhall Ranch
Sample Matrix: Water

Service Request: L2100666
Date Collected: 3/1/01
Date Received: 3/1/01

Inorganic Parameters

Sample Name: E WELL
Lab Code: L2100666-001
Test Notes:

Basis: NA

Table with 9 columns: Analyte, Units, Analysis Method, MRL, Dilution Factor, Date Extracted, Date Analyzed, Result, Result Notes. Rows include Alkalinity as CaCO3, Chloride, Color, Conductivity, Cyanide, Fluoride, Hardness as CaCO3, Nitrate as Nitrogen, Nitrite as Nitrogen, Odor, pH, Solids, Total Dissolved (TDS), Sulfate, Surfactants, Turbidity.

Approved By: [Signature]

Date: 3-11-01

116258

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: LZ100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Inorganic Parameters

Sample Name: E-9 WELL
 Lab Code: LZ100666-002
 Test Notes:

Basis: NA

Analyte	Units	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Alkalinity as CaCO ₃ , Total	mg/L (ppm)	SM 2320B	10	1	NA	3/3/01	270	
Chloride	mg/L (ppm)		300.0	0.5	10	NA	3/6/01	39
Color	COLOR UNITS		110.2	5	1	NA	3/1/01	15
Conductivity	µMHOS/cm		120.1	10	1	NA	3/1/01	1000
Cyanide, Total	mg/L (ppm)		335.2	0.05	1	NA	3/8/01	ND
Fluoride	mg/L (ppm)		340.2	0.1	1	NA	3/7/01	0.8
Hardness as CaCO ₃	mg/L (ppm)		130.2	5	1	NA	3/8/01	390
Nitrate as Nitrogen	mg/L (ppm)		300.0	0.2	1	NA	3/2/01	1.7
Nitrite as Nitrogen	mg/L (ppm)		354.1	0.003	1	NA	3/2/01	ND
Odor	I.O.N.		140.1	1.0	1	NA	3/1/01	ND
pH	pH UNITS		150.1	--	1	NA	3/1/01	7.5
Solids, Total Dissolved (TDS)	mg/L (ppm)		160.1	10	1	NA	3/7-8/01	690
Sulfate	mg/L (ppm)		300.0	1.0	10	NA	3/6/01	220
Surfactants	mg/L (ppm)		425.1	0.1	1	3/1/01	3/1/01	ND
Turbidity	NTU		180.1	0.1	1	NA	3/1/01	16

Approved By: _____
184411379

Date: 3-11-01

116259

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Inorganic Parameters

Sample Name: C WELL
 Lab Code: L2100666-003
 Test Notes:

Basis: NA

Analyte	Units	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Alkalinity as CaCO3, Total	mg/L (ppm)	SM 2320B	10	1	NA	3/5/01	250	
Chloride	mg/L (ppm)	300.0	0.5	10	NA	3/6/01	56	
Color	COLOR UNITS	110.2	5	1	NA	3/1/01	ND	
Conductivity	uMHOS/cm	120.1	10	1	NA	3/1/01	1190	
Cyanide, Total	mg/L (ppm)	335.2	0.05	1	NA	3/8/01	ND	
Fluoride	mg/L (ppm)	340.2	0.1	1	NA	3/7/01	0.7	
Hardness as CaCO3	mg/L (ppm)	130.2	5	1	NA	3/8/01	410	
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	1	NA	3/2/01	2.1	
Nitrite as Nitrogen	mg/L (ppm)	354.1	0.003	1	NA	3/2/01	ND	
Odor	T.O.N.	140.1	1.0	1	NA	3/1/01	ND	
pH	pH UNITS	150.1	-	1	NA	3/1/01	7.4	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	1	NA	3/7-8/01	770	
Sulfate	mg/L (ppm)	300.0	1.0	10	NA	3/6/01	280	
Surfactants	mg/L (ppm)	425.1	0.1	1	3/1/01	3/1/01	ND	
Turbidity	NTU	180.1	0.1	1	NA	3/1/01	0.5	

Approved By: _____
1544921377

Date: 3-16-01

116260

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Inorganic Parameters

Sample Name: B-6 WELL
 Lab Code: L2100666-004
 Test Notes:

Basis: NA

Analyte	Units	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Alkalinity as CaCO ₃ , Total	mg/L (ppm)	SM 2329B	10	1	NA	3/5/01	280	
Chloride	mg/L (ppm)		300.0	0.5	10	NA	3/6/01	80
Color	COLOR UNITS		110.2	5	1	NA	3/1/01	5
Conductivity	uMHOS/cm		120.1	10	1	NA	3/1/01	1400
Cyanide, Total	mg/L (ppm)		335.2	0.05	1	NA	3/8/01	ND
Fluoride	mg/L (ppm)		340.2	0.1	1	NA	3/7/01	0.8
Hardness as CaCO ₃	mg/L (ppm)		130.2	5	1	NA	3/8/01	510
Nitrate as Nitrogen	mg/L (ppm)		300.0	0.2	1	NA	3/2/01	2.8
Nitrite as Nitrogen	mg/L (ppm)		354.1	0.003	1	NA	3/2/01	ND
Odor	T.O.N.		140.1	1.0	1	NA	3/1/01	ND
pH	pH UNITS		150.1	--	1	NA	3/1/01	7.6
Solids, Total Dissolved (TDS)	mg/L (ppm)		160.1	10	1	NA	3/7-8/01	960
Sulfate	mg/L (ppm)		300.0	1.0	10	NA	3/6/01	360
Surfactants	mg/L (ppm)		425.1	0.1	1	3/1/01	3/1/01	ND
Turbidity	NTU		180.1	0.1	1	NA	3/1/01	2.4

Approved By: _____
 154/82197

Date: 3-16-01

116261

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Inorganic Parameters

Sample Name: EXON WELL
 Lab Code: L2100666-005
 Test Notes:

Basis: NA

Analyte	Units	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Alkalinity as CaCO3, Total	mg/L (ppm)	SM 2320B	10	1	NA	3/5/01	240	
Chloride	mg/L (ppm)	300.0	0.5	10	NA	3/6/01	35	
Color	COLOR UNITS	110.2	5	1	NA	3/1/01	10	
Conductivity	µMHOS/cm	120.1	10	1	NA	3/1/01	1400	
Cyanide, Total	mg/L (ppm)	335.2	0.05	1	NA	3/8/01	ND	
Fluoride	mg/L (ppm)	340.2	0.1	1	NA	3/7/01	0.5	
Hardness as CaCO3	mg/L (ppm)	130.2	5	1	NA	3/8/01	350	
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	1	NA	3/2/01	5.2	
Nitric as Nitrogen	mg/L (ppm)	354.1	0.003	1	NA	3/2/01	ND	
Odor	T.O.N.	140.1	1.0	1	NA	3/1/01	ND	
pH	PH UNITS	150.1	-	1	NA	3/1/01	7.6	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	1	NA	3/7-8/01	1000	
Sulfate	mg/L (ppm)	300.0	1.0	10	NA	3/6/01	470	
Surfactants	mg/L (ppm)	425.1	0.1	1	3/1/01	3/1/01	ND	
Turbidity	NTU	180.1	0.1	1	NA	3/1/01	9.1	

Approved By: _____
164-021397p

Date: 3-16-01

116262

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water


Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Inorganic Parameters

Sample Name: B-11 WELL
 Lab Code: L2100666-006
 Test Notes:

Basis: NA

Analyte	Units	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
Alkalinity as CaCO3, Total	mg/L (ppm)	SM 2320B	10	1	NA	3/5/01	250	
Chloride	mg/L (ppm)	300.0	0.5	10	NA	3/6/01	96	
Color	COLOR UNITS	110.2	5	1	NA	3/1/01	ND	
Conductivity	uMHOS/cm	120.1	10	1	NA	3/1/01	1300	
Cyanide, Total	mg/L (ppm)	335.2	0.05	1	NA	3/8/01	ND	
Fluoride	mg/L (ppm)	340.2	0.1	1	NA	3/7/01	0.7	
Hardness as CaCO3	mg/L (ppm)	130.2	5	1	NA	3/8/01	410	
Nitrate as Nitrogen	mg/L (ppm)	300.0	0.2	1	NA	3/2/01	2.5	
Nitrite as Nitrogen	mg/L (ppm)	354.1	0.003	1	NA	3/2/01	0.004	
Odor	T.O.N.	140.1	1.0	1	NA	3/1/01	ND	
pH	pH UNITS	150.1	-	1	NA	3/1/01	7.5	
Solids, Total Dissolved (TDS)	mg/L (ppm)	160.1	10	1	NA	3/7-8/01	850	
Sulfate	mg/L (ppm)	300.0	1.0	10	NA	3/6/01	290	
Surfactants	mg/L (ppm)	425.1	0.1	1	3/1/01	3/1/01	ND	
Turbidity	NTU	180.1	0.1	1	NA	3/1/01	0.3	

Approved By:  _____
15/02/1327

Date: 3-16-01

116263

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Metals

Sample Name: E WELL
 Lab Code: L2100666-001
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	ND	
Arsenic, Total	METHOD	206.2	0.005	1	3/5/01	3/8/01	ND	
Barium, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	0.02	
Boron, Total	METHOD	200.7	0.05	1	3/5/01	3/5/01	0.37	
Cadmium, Total	METHOD	200.7	0.005	1	3/5/01	3/5/01	ND	
Calcium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	96	
Chromium, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Copper, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Iron, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	0.1	
Magnesium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	31	
Manganese, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Mercury, Total	METHOD	245.1	0.0005	1	3/5/01	3/5/01	ND	
Nickel, Total	METHOD	200.7	0.04	1	3/5/01	3/5/01	ND	
Selenium, Total	METHOD	270.2	0.005	1	3/5/01	3/8/01	ND	
Silver, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Sodium, Total	METHOD	200.7	0.5	1	3/5/01	3/5/01	92	
Thallium, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	ND	
Zinc, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	0.05	

Approved By: 
 1544021397p

Date: 3-16-01

116264

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Metals

Sample Name: E WELL
 Lab Code: L2100666-001
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	ND	
Arsenic, Total	METHOD	206.2	0.005	1	3/5/01	3/8/01	ND	
Barium, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	0.02	
Boron, Total	METHOD	200.7	0.05	1	3/5/01	3/5/01	0.37	
Cadmium, Total	METHOD	200.7	0.005	1	3/5/01	3/5/01	ND	
Calcium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	96	
Chromium, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Copper, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Iron, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	0.1	
Magnesium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	31	
Manganese, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Mercury, Total	METHOD	245.1	0.0005	1	3/5/01	3/5/01	ND	
Nickel, Total	METHOD	200.7	0.04	1	3/5/01	3/5/01	ND	
Selenium, Total	METHOD	270.2	0.005	1	3/5/01	3/8/01	ND	
Silver, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Sodium, Total	METHOD	200.7	0.5	1	3/5/01	3/5/01	92	
Thallium, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	ND	
Zinc, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	0.05	

Approved By: _____
 184/021287e

Date: 3-16-01

116265

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Metals

Sample Name: C WELL
 Lab Code: L2100666-003
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	ND	
Arsenic, Total	METHOD	206.2	0.005	1	3/5/01	3/8/01	ND	
Barium, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	0.02	
Boron, Total	METHOD	200.7	0.05	1	3/5/01	3/5/01	0.37	
Cadmium, Total	METHOD	200.7	0.005	1	3/5/01	3/5/01	ND	
Calcium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	110	
Chromium, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Copper, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Iron, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	0.1	
Magnesium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	36	
Manganese, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Mercury, Total	METHOD	245.1	0.0005	1	3/5/01	3/5/01	ND	
Nickel, Total	METHOD	200.7	0.04	1	3/5/01	3/5/01	ND	
Selenium, Total	METHOD	270.2	0.005	1	3/5/01	3/8/01	ND	
Silver, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Sodium, Total	METHOD	200.7	0.5	1	3/5/01	3/5/01	90	
Thallium, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	ND	
Zinc, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	ND	

Approved By: _____
154/07/07P

JH

Date: 3-16-01

116267

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Metals

Sample Name: B-G WELL
 Lab Code: L2100666-004
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	ND	
Arsenic, Total	METHOD	206.2	0.005	1	3/5/01	3/8/01	ND	
Barium, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	0.03	
Boron, Total	METHOD	200.7	0.05	1	3/5/01	3/5/01	0.46	
Cadmium, Total	METHOD	200.7	0.005	1	3/5/01	3/5/01	ND	
Calcium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	140	
Chromium, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Copper, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Iron, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	0.1	
Magnesium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	43	
Manganese, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Mercury, Total	METHOD	245.1	0.0005	1	3/5/01	3/5/01	ND	
Nickel, Total	METHOD	200.7	0.04	1	3/5/01	3/5/01	ND	
Selenium, Total	METHOD	270.2	0.005	1	3/5/01	3/8/01	0.006	
Silver, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Sodium, Total	METHOD	200.7	0.5	1	3/5/01	3/5/01	120	
Thallium, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	ND	
Zinc, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	ND	

Approved By: _____
124/021377

JH

Date: 3-16-01

116268

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Metals

Sample Name: EXON WELL
 Lab Code: L2100666-005
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	ND	
Arsenic, Total	METHOD	206.2	0.005	1	3/5/01	3/8/01	ND	
Barium, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	ND	
Boron, Total	METHOD	200.7	0.05	1	3/5/01	3/5/01	0.26	
Cadmium, Total	METHOD	200.7	0.005	1	3/5/01	3/5/01	ND	
Calcium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	140	
Chromium, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Copper, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	0.01	
Iron, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	0.5	
Magnesium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	48	
Manganese, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	0.03	
Mercury, Total	METHOD	245.1	0.0005	1	3/5/01	3/5/01	ND	
Nickel, Total	METHOD	200.7	0.04	1	3/5/01	3/5/01	ND	
Selenium, Total	METHOD	270.2	0.005	1	3/5/01	3/8/01	0.008	
Silver, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Sodium, Total	METHOD	200.7	0.5	1	3/5/01	3/5/01	88	
Thallium, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	ND	
Zinc, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	ND	

Approved By: _____
154/021397p

WJ

Date: 3-16-01

116269

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client: Newhall Land and Farming Company
 Project: Newhall Ranch
 Sample Matrix: Water

Service Request: L2100666
 Date Collected: 3/1/01
 Date Received: 3/1/01

Metals

Sample Name: B-11 WELL
 Lab Code: L2100666-006
 Test Notes:

Units: mg/L (ppm)
 Basis: NA

Analyte	Prep Method	Analysis Method	MRL	Dilution Factor	Date Digested	Date Analyzed	Result	Result Notes
Aluminum, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	ND	
Arsenic, Total	METHOD	206.2	0.005	1	3/5/01	3/8/01	ND	
Barium, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	ND	
Boron, Total	METHOD	200.7	0.05	1	3/5/01	3/5/01	0.53	
Cadmium, Total	METHOD	200.7	0.005	1	3/5/01	3/5/01	ND	
Calcium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	110	
Chromium, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Copper, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Iron, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	0.1	
Magnesium, Total	METHOD	200.7	0.2	1	3/5/01	3/5/01	35	
Manganese, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	0.05	
Mercury, Total	METHOD	245.1	0.0005	1	3/5/01	3/5/01	ND	
Nickel, Total	METHOD	200.7	0.04	1	3/5/01	3/5/01	ND	
Selenium, Total	METHOD	270.2	0.005	1	3/5/01	3/8/01	ND	
Silver, Total	METHOD	200.7	0.01	1	3/5/01	3/5/01	ND	
Sodium, Total	METHOD	200.7	0.5	1	3/5/01	3/5/01	120	
Thallium, Total	METHOD	200.7	0.1	1	3/5/01	3/5/01	ND	
Zinc, Total	METHOD	200.7	0.02	1	3/5/01	3/5/01	ND	

Approved By: _____
 154/021377

Handwritten signature

Date: 3-16-01

116270



Report Date: Tuesday, March 06, 2001

Received Date: Thursday, March 01, 2001

Log By: mq

Log Time: 15:13

Client: Columbia Analytical Services
6925 Canoga Avenue
Canoga Park, CA 91303

Phone: (818) 587-5550

FAX: (818) 587-5555

Attn.: L. Ross Fenstermaker

Project:

P.O. #: L210088

Turnaround Time: Normal

CERTIFICATE OF ANALYSIS

Lab#: A101554-001
Sampled By: Client

Sample ID: E Well
Date: 3/1/01

Time: 9:25

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Chromium, hexavalent (Cr VI) Prep. Direct Inf.	ND		ug/L	1	0.50	EPA 218.6	3/1/01 dc	WS22315
Perchlorate	ND		ug/L	1	4.0	EPA 314	3/2/01 dc	WS22368

Lab#: A101554-002
Sampled By: Client

Sample ID: E-9 Well
Date: 3/1/01

Time: 9:40

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Chromium, hexavalent (Cr VI) Prep. Direct Inf.	ND		ug/L	1	0.50	EPA 218.6	3/1/01 dc	WS22315
Perchlorate	ND		ug/L	1	4.0	EPA 314	3/2/01 dc	WS22368

Lab#: A101554-003
Sampled By: Client

Sample ID: C Well
Date: 3/1/01

Time: 10:00

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Chromium, hexavalent (Cr VI) Prep. Direct Inf.	ND		ug/L	1	0.50	EPA 218.6	3/1/01 dc	WS22315
Perchlorate	ND		ug/L	1	4.0	EPA 314	3/2/01 dc	WS22368

Lab#: A101554-004
Sampled By: Client

Sample ID: B-6 Well
Date: 3/1/01

Time: 10:20

Matrix: Water

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Chromium, hexavalent (Cr VI) Prep. Direct Inf.	ND		ug/L	1	0.50	EPA 218.6	3/1/01 dc	WS22315
Perchlorate	ND		ug/L	1	4.0	EPA 314	3/2/01 dc	WS22368

Lab#: A101554

Page 1 of 2



Client: Columbia Analytical Services
Project Name:

Report Date: Tuesday, March 06, 2001

CERTIFICATE OF ANALYSIS

Lab#: A101554-005 Sample ID: Exon Well Matrix: Water
Sampled By: Client Date: 3/1/01 Time: 11:00

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Chromium, hexavalent (Cr VI) Prep. Direct Inj.	0.70		ug/L	1	0.50	EPA 218.6	3/1/01 da	WS22315
Perchlorate	ND		ug/L	1	4.0	EPA 314	3/2/01 dc	WS22368

Lab#: A101554-006 Sample ID: B-11 Well Matrix: Water
Sampled By: Client Date: 3/1/01 Time: 11:45

Parameter	Result	Flag	Units	Dilution Factor	RL	Method	Analyzed	Worksheet #
Chromium, hexavalent (Cr VI) Prep. Direct Inj.	ND		ug/L	1	0.50	EPA 218.6	3/1/01 da	WS22315
Perchlorate	ND		ug/L	1	4.0	EPA 314	3/2/01 dc	WS22368

Authorized Signature

ELAP # 1132
LACSD # 10143

Flags for Data Qualifiers:

- B = Compound detected in the blank. Sample result equal or less than 10 times the concentration in the blank.
- J = Estimated value, detected but below the reporting limit.
- H = Estimated value, result over the calibration range
- R = Result is suspect, LCS recovery greater than the upper control limit.
- L = Result is suspect, LCS recovery lower than the control limit.
- Q = QC result out of acceptance limits.
- T = Trace detection, detected but below the reporting limit.

Notes:

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless specified.
RL = Reporting Limit
ND = Not detected, below the reporting limit.
Sub = Subcontracted analysis, original report enclosed.



SILLIKER LABORATORIES OF SOUTHERN CALIFORNIA

1139 East Dominguez, Suite I
Carson, CA 90746
310-637-7121 Fax 310-637-2953

FOOD SAFETY • QUALITY • NUTRITION

CERTIFICATE OF ANALYSIS

COA No:	SCA-15064716-0
Supersedes:	None
COA Date	3/5/01
Page 1 of 2	

TO:
Mr. Ross Fenstermaker
Project Manager
Columbia Analytical Services
6925 Canoga Avenue
Canoga Park, CA 91303

Received From:	Canoga Park, CA
Received Date:	3/1/01
P.O.# / ID:	LL100666
Location of Test: (except where noted) Carson, CA	

Analytical Results

Desc. 1:	Log #: L2100666	Desc. 4:	Sample Date: 03/01/01	Laboratory ID:	150333454
Desc. 2:	E Well	Desc. 5:	Sample Time: 09:25	Condition Rec'd:	NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Drinking Water	Temp Rec'd (°C):	6.3
Analyte		Result	Units	Method Reference	Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100mL	SMEWW, 19th ed.	3/3/01
E. coli - 10X10 ml MPN		<1.1	/100mL	SMEWW, 19th ed.	3/3/01
Heterotrophic Plate Count		<1	/mL	SMEWW 18th ed.	3/3/01
Desc. 1:	Log #: L2100666	Desc. 4:	Sample Date: 03/01/01	Laboratory ID:	150333457
Desc. 2:	E-9 Well	Desc. 5:	Sample Time: 09:40	Condition Rec'd:	NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Drinking Water	Temp Rec'd (°C):	6.3
Analyte		Result	Units	Method Reference	Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100mL	SMEWW, 19th ed.	3/3/01
E. coli - 10X10 ml MPN		<1.1	/100mL	SMEWW, 19th ed.	3/3/01
Heterotrophic Plate Count		8.0	/mL	SMEWW 18th ed.	3/3/01
Desc. 1:	Log #: L2100666	Desc. 4:	Sample Date: 03/01/01	Laboratory ID:	150333461
Desc. 2:	C-Well	Desc. 5:	Sample Time: 10:00	Condition Rec'd:	NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Drinking Water	Temp Rec'd (°C):	6.3
Analyte		Result	Units	Method Reference	Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100mL	SMEWW, 19th ed.	3/3/01
E. coli - 10X10 ml MPN		<1.1	/100mL	SMEWW, 19th ed.	3/3/01
Heterotrophic Plate Count		16	/mL	SMEWW 18th ed.	3/3/01
Desc. 1:	Log #: L2100666	Desc. 4:	Sample Date: 03/01/01	Laboratory ID:	150333463
Desc. 2:	B-6 Well	Desc. 5:	Sample Time: 10:20	Condition Rec'd:	NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Drinking Water	Temp Rec'd (°C):	6.3
Analyte		Result	Units	Method Reference	Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100mL	SMEWW, 19th ed.	3/3/01
E. coli - 10X10 ml MPN		<1.1	/100mL	SMEWW, 19th ed.	3/3/01
Heterotrophic Plate Count		29	/mL	SMEWW 18th ed.	3/3/01
Desc. 1:	Log #: L2100666	Desc. 4:	Sample Date: 03/01/01	Laboratory ID:	150333465
Desc. 2:	Exon Well	Desc. 5:	Sample Time: 11:00	Condition Rec'd:	NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Drinking Water	Temp Rec'd (°C):	6.3
Analyte		Result	Units	Method Reference	Test Date Loc.
Coliforms - 10X10 ml MPN		<1.1	/100mL	SMEWW, 19th ed.	3/3/01
E. coli - 10X10 ml MPN		<1.1	/100mL	SMEWW, 19th ed.	3/3/01
Heterotrophic Plate Count		6.0	/mL	SMEWW 18th ed.	3/3/01

The results of these tests relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the laboratory.



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CERTIFICATE OF ANALYSIS

COA No:	SCA-15064718-0
Supersedes:	None
COA Date	3/5/01
Page 2 of 2	

TO:

Mr. Ross Fenstermaker
Project Manager
Columbia Analytical Services
6925 Canoga Avenue
Canoga Park, CA 91303

Received From:	Canoga Park, CA
Received Date:	3/1/01
P.O.# / ID:	LL100666
Location of Test: (except where noted) Carson, CA	

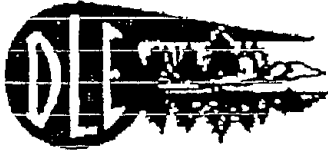
Analytical Results

Desc. 1:	Log #: L2100666	Desc. 4:	Sample Date: 03/01/01	Laboratory ID:	150333466
Desc. 2:	B-11 Well	Desc. 5:	Sample Time: 11:45	Condition Rec'd:	NORMAL
Desc. 3:	Sampler: Not Given	Desc. 6:	Matrix: Drinking Water	Temp Rec'd (°C):	6.3
<u>Analyte</u>		<u>Result</u>	<u>Units</u>	<u>Method Reference</u>	<u>Test Date Loc.</u>
Coliforms - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed.	3/3/01
E. coli - 10X10 ml MPN		<1.1	/100ml	SMEWW, 19th ed.	3/3/01
Heterotrophic Plate Count		34	/mL	SMEWW 18th ed.	3/3/01

COA Comment: This water complies with State of California and the U.S. Public Health Services regulations for potable water as analyzed by Silliker Laboratories.

Vidhya Gangar
Vidhya Gangar, M.S. Laboratory Director

The results of these tests relate only to the samples tested. This report shall not be reproduced except in full, without the written approval of the laboratory.



DAVI LABORATORIES, ENVIRONMENTAL ASSOCIATES

701 "B" Belmont Way • Pinole, CA 94564 • (510) 724-9450 • Fax (510) 724-9174

ANALYTICAL RESULTS REPORT

Company: Columbia Analytical Services
Address: 6925 Canoga Avenue
Canoga Park, CA 91303

Contact: Mr. L. Ross Fenstermaker
Report Date: March 20, 2001
Purchase Order #: L2100666

TABLE I

Sample I.D.	Analysis Date/Time	Matrix	EPA Method	Analysis	Results pCi/L	±	Sigma error
E Well	3/20/01(0925)	Water	900.0	Gross Alpha	6.00	±	1.59
			900.0	Gross Beta	1.62	±	0.41
			913.0	Radon 222	303	±	47
			908.1	Uranium	5.52	±	1.61
			903.0	Radium 226	0.41	±	0.40
			904.0	Radium 228	0.83	±	1.24
E -9 Well	3/20/01(0940)	Water	900.0	Gross Alpha	3.24	±	1.20
			900.0	Gross Beta	1.82	±	0.52
			913.0	Radon 222	203	±	40
			908.1	Uranium	1.79	±	0.39
			903.0	Radium 226	0.32	±	0.19
			904.0	Radium 228	0.00	±	1.00
C Well	3/20/01(1000)	Water	900.0	Gross Alpha	3.56	±	1.31
			900.0	Gross Beta	0.68	±	0.28
			913.0	Radon 222	259	±	44
			908.1	Uranium	3.10	±	0.90
			903.0	Radium 226	0.26	±	0.23
			904.0	Radium 228	0.00	±	1.00
B-6 Well	3/20/01(1020)	Water	900.0	Gross Alpha	8.95	±	2.16
			900.0	Gross Beta	0.58	±	0.15
			913.0	Radon 222	182	±	39
			908.1	Uranium	7.88	±	2.29
			903.0	Radium 226	0.67	±	0.40
			904.0	Radium 228	1.85	±	0.29


Company: Columbia Analytical Services
 Contact: Mr. L. Ross Fenstermaker
 Report Date: March 20, 2001
 Purchase Order #: L2100666

TABLE I

Sample I.D.	Analyses Date/Time	Matrix	EPA Method	Analysis	Results pCi/L	±	Sigma error
Exon Well	3/20/01(1100)	Water	900.0	Gross Alpha	6.55	±	1.95
			900.0	Gross Beta	0.97	±	0.26
			913.0	Radon 222	127	±	34
			908.1	Uranium	4.23	±	1.23
			903.0	Radium 226	0.00	±	1.00
			904.0	Radium 228	0.59	±	0.28
B-11 Well	3/20/01(1145)	Water	900.0	Gross Alpha	7.92	±	1.91
			900.0	Gross Beta	2.39	±	0.40
			913.0	Radon 222	274	±	45
			908.1	Uranium	5.08	±	1.48
			903.0	Radium 226	0.34	±	0.30
			904.0	Radium 228	0.00	±	1.00

TABLE II QA/QC Data

Analysis.	Spike Activity pCi	Detected Activity pCi	Percent of Agreement %
Gross Alpha	492.3 pCi	453.3 pCi	92.08
Gross Beta	1193.6 pCi	1133.1 pCi	94.93
Radon 222	8275.0 pCi	8010.2 pCi	96.80
Uranium	237.5 pCi	230.5 pCi	97.05
Radium 226	2.9 pCi	2.7 pCi	93.10
Radium 228	11.9 pCi	11.3 pCi	94.95


 Patricia Davi
 Davi Laboratories
 QA/QC Manager