



INQUIRY #: 3192892.5

YEAR: 2005

| = 500'



APPENDIX



Eden Hills

3240 Mt. Whitney Road
Escondido, CA 92029

Inquiry Number: 3192892.4
October 25, 2011

EDR Historical Topographic Map Report

EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

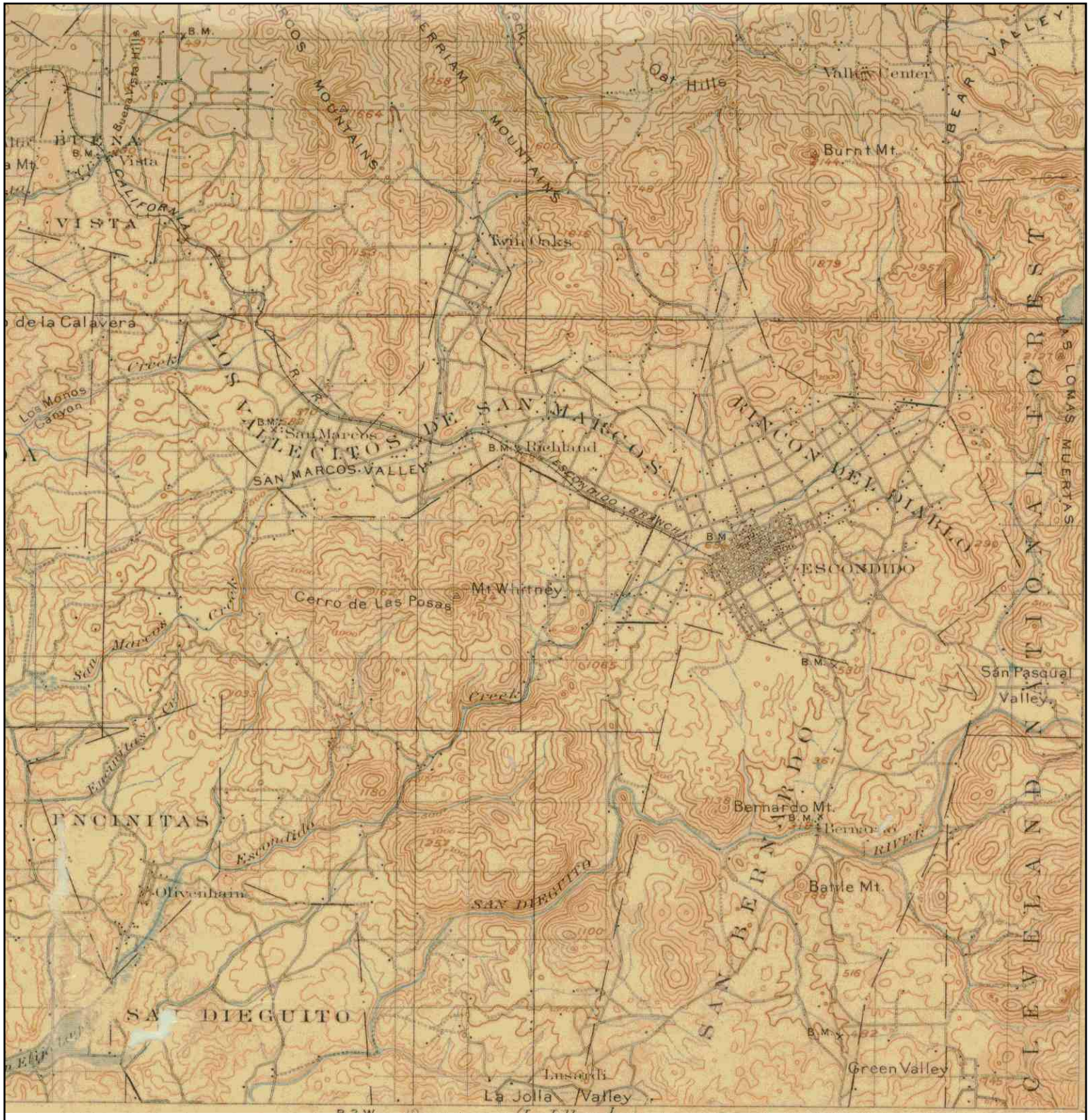
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Historical Topographic Map



	TARGET QUAD	SITE NAME: Eden Hills	CLIENT: Geocon Env. Consultants, Inc.
	NAME: SAN LUIS REY	ADDRESS: 3240 Mt. Whitney Road	CONTACT: Elizabeth Hartung
	MAP YEAR: 1901	ESCONDIDO, CA 92029	INQUIRY#: 3192892.4
	SERIES: 30	LAT/LONG: 33.113 / -117.1342	RESEARCH DATE: 10/25/2011
	SCALE: 1:125000		

Historical Topographic Map



	TARGET QUAD NAME: ESCONDIDO MAP YEAR: 1901	SITE NAME: Eden Hills ADDRESS: 3240 Mt. Whitney Road Escondido, CA 92029 LAT/LONG: 33.113 / -117.1342	CLIENT: Geocon Env. Consultants, Inc. CONTACT: Elizabeth Hartung INQUIRY#: 3192892.4 RESEARCH DATE: 10/25/2011
	SERIES: 15 SCALE: 1:62500		

Historical Topographic Map



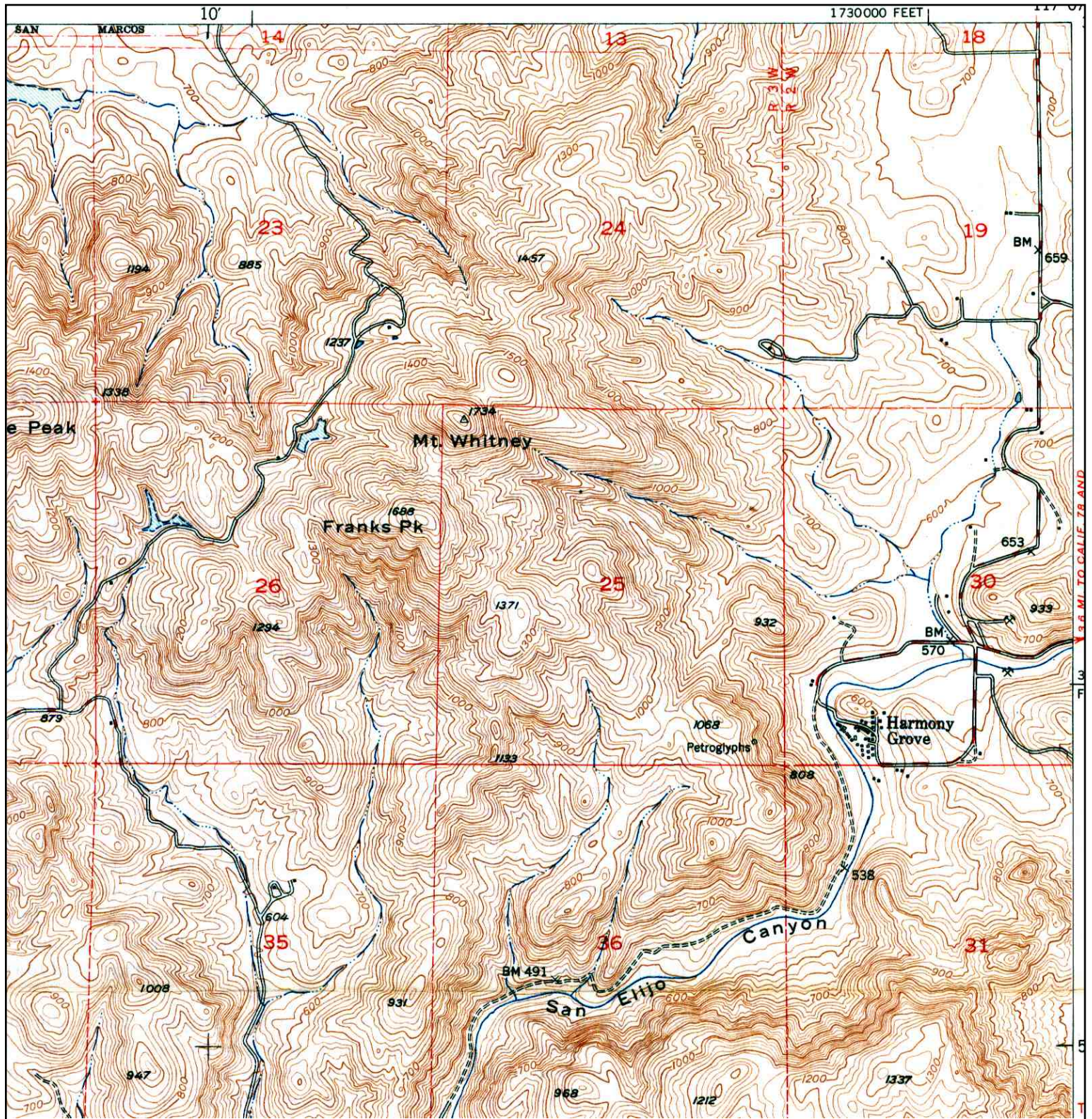
N ↑	TARGET QUAD NAME: SOUTHERN CA SHEET 2 MAP YEAR: 1904 SERIES: 60 SCALE: 1:250000	SITE NAME: Eden Hills ADDRESS: 3240 Mt. Whitney Road Escondido, CA 92029 LAT/LONG: 33.113 / -117.1342	CLIENT: Geocon Env. Consultants, Inc. CONTACT: Elizabeth Hartung INQUIRY#: 3192892.4 RESEARCH DATE: 10/25/2011
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Historical Topographic Map



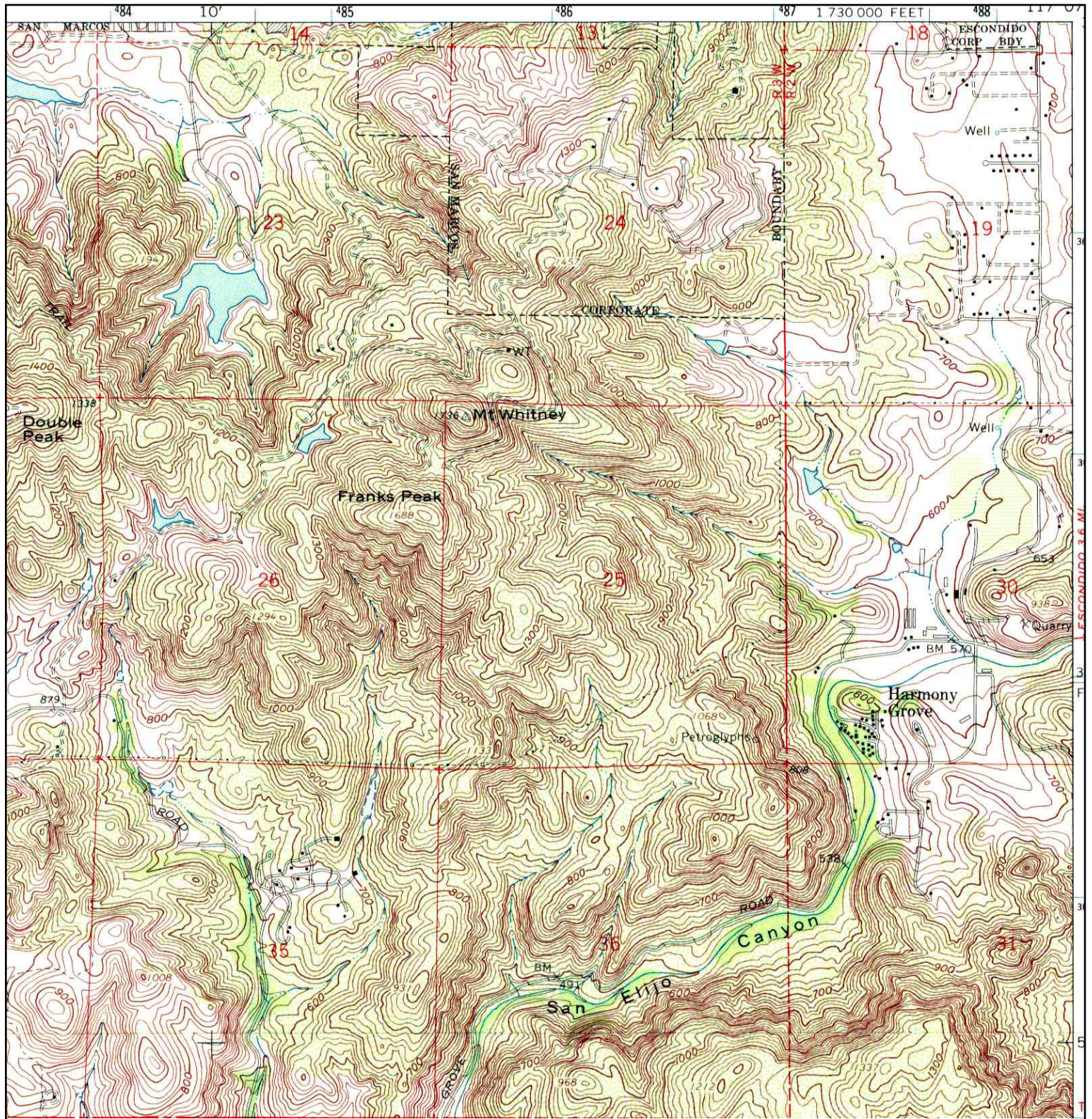
	TARGET QUAD NAME: ESCONDIDO MAP YEAR: 1947 SERIES: 15 SCALE: 1:50000	SITE NAME: Eden Hills ADDRESS: 3240 Mt. Whitney Road Escondido, CA 92029 LAT/LONG: 33.113 / -117.1342	CLIENT: Geocon Env. Consultants, Inc. CONTACT: Elizabeth Hartung INQUIRY#: 3192892.4 RESEARCH DATE: 10/25/2011
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Historical Topographic Map



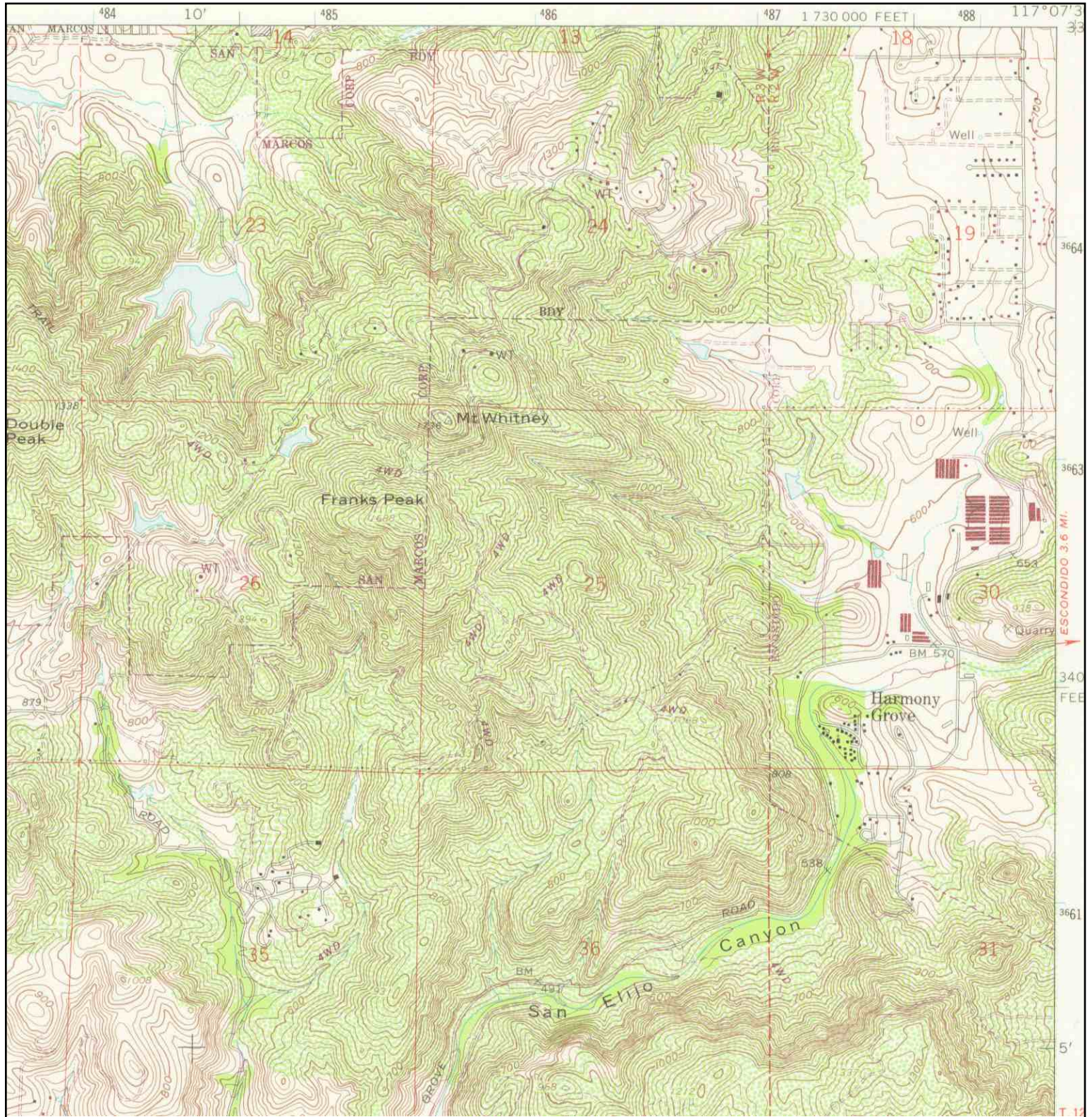
N ↑	TARGET QUAD NAME: RANCHO SANTA FE MAP YEAR: 1949 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Eden Hills ADDRESS: 3240 Mt. Whitney Road Escondido, CA 92029 LAT/LONG: 33.113 / -117.1342	CLIENT: Geocon Env. Consultants, Inc. CONTACT: Elizabeth Hartung INQUIRY#: 3192892.4 RESEARCH DATE: 10/25/2011
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Historical Topographic Map



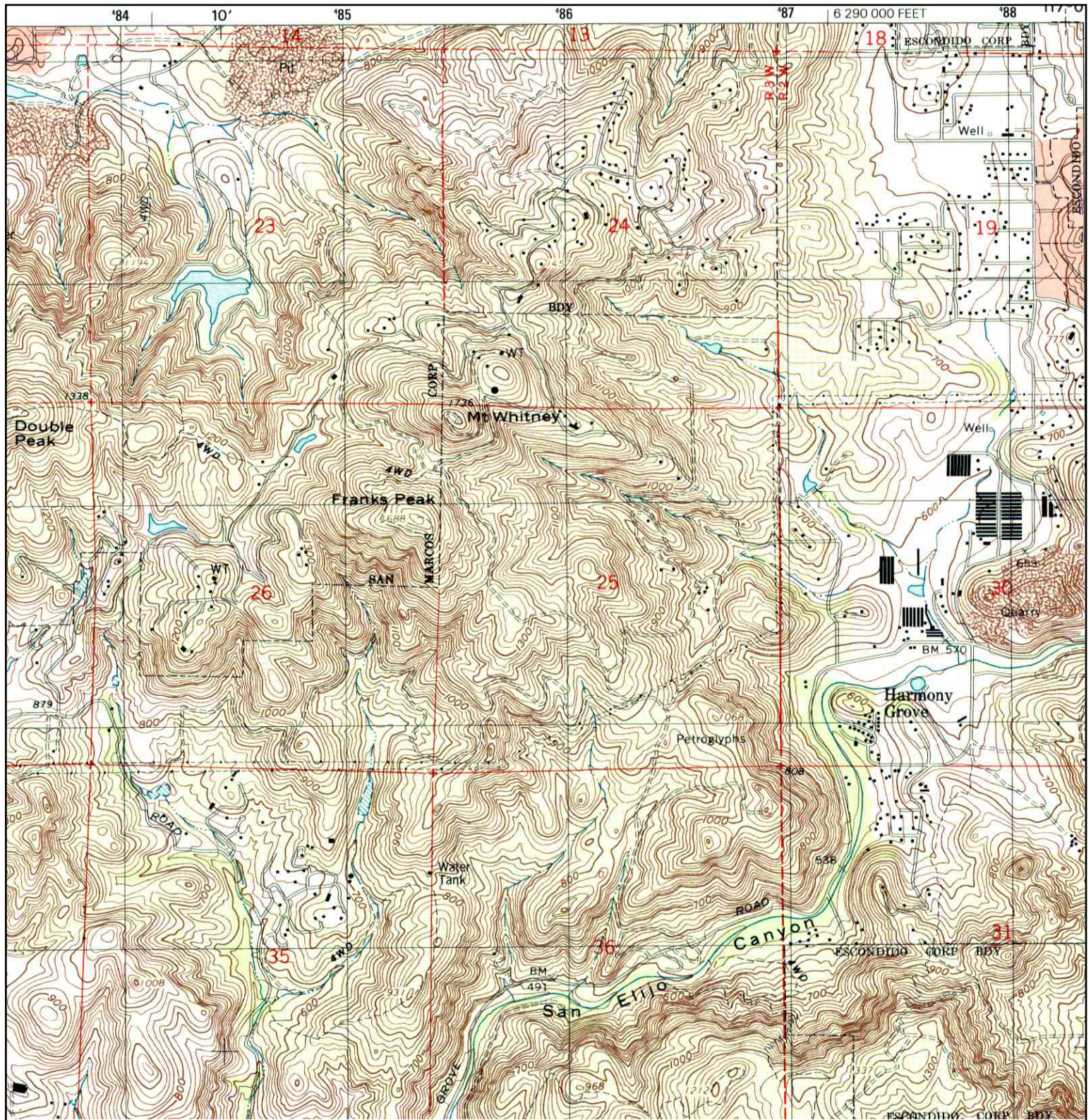
N 	TARGET QUAD NAME: RANCHO SANTA FE MAP YEAR: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Eden Hills ADDRESS: 3240 Mt. Whitney Road Escondido, CA 92029 LAT/LONG: 33.113 / -117.1342	CLIENT: Geocon Env. Consultants, Inc. CONTACT: Elizabeth Hartung INQUIRY#: 3192892.4 RESEARCH DATE: 10/25/2011

Historical Topographic Map



N ↑	TARGET QUAD NAME: RANCHO SANTA FE MAP YEAR: 1983 PHOTOREVISED: 1968 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Eden Hills ADDRESS: 3240 Mt. Whitney Road Escondido, CA 92029 LAT/LONG: 33.113 / -117.1342	CLIENT: Geocon Env. Consultants, Inc. CONTACT: Elizabeth Hartung INQUIRY#: 3192892.4 RESEARCH DATE: 10/25/2011
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Historical Topographic Map



N 	TARGET QUAD NAME: RANCHO SANTA FE MAP YEAR: 1996 SERIES: 7.5 SCALE: 1:24000	SITE NAME: Eden Hills ADDRESS: 3240 Mt. Whitney Road Escondido, CA 92029 LAT/LONG: 33.113 / -117.1342	CLIENT: Geocon Env. Consultants, Inc. CONTACT: Elizabeth Hartung INQUIRY#: 3192892.4 RESEARCH DATE: 10/25/2011

APPENDIX



Eden Hills

3240 Mt. Whitney Road
Escondido, CA 92029

Inquiry Number: 3192892.6
October 25, 2011

The EDR-City Directory Abstract

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Executive Summary

Findings

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1903 through 2006. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2006	Haines Company, Inc.	X	X	X	-
2000	Haines & Company	-	-	-	-
1995	PACIFIC BELL WHITE PAGES	-	X	X	-
1992	PACIFIC BELL WHITE PAGES	-	-	-	-
1991	PACIFIC BELL WHITE PAGES	-	X	X	-
1989	Pacific Bell	-	-	-	-
1985	PACIFIC BELL WHITE PAGES	X	X	X	-
1984	R. L. Polk & Co.	-	-	-	-
1980	Pacific Telephone	X	X	X	-
1976	Luskey Brothers & Co., Inc.	-	-	-	-
1975	R. L. Polk & Co.	-	-	-	-
1971	Community Directory Co.	-	-	-	-
1970	John M. Ducey	-	-	-	-
1966	R. L. Polk & Co.	-	-	-	-
1965	Community Directory Co.	-	-	-	-
1962	Community Directory Co.	-	-	-	-
1961	R. L. Polk & Co.	-	-	-	-
1960	The Pacific Telephone Telegraph Co.	-	-	-	-
1956	R. L. Polk & Co.	-	-	-	-
1955	R. L. Polk & Co.	-	-	-	-
1952	R. L. Polk & Co. of California	-	-	-	-
1950	The Pacific Telephone & Telegraph Co.	-	-	-	-
1948	San Diego Directory Co.	-	-	-	-
1945	San Diego Directory Co.	-	-	-	-
1943	San Diego Directory Co.	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1940	San Diego Directory Co.	-	-	-	-
1938	San Diego Directory Co.	-	-	-	-
1933	San Diego Directory Co.	-	-	-	-
1927	San Diego Directory Co.	-	-	-	-
1921	San Diego Directory Co. Inc.	-	-	-	-
1907	San Diego Directory Co.	-	-	-	-
1903	San Diego Directory Co.	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

3240 Mt. Whitney Road
Escondido, CA 92029

FINDINGS DETAIL

Target Property research detail.

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	MOLANO C	Haines Company, Inc.
1985	IGLESIAS FRANCISCO	PACIFIC BELL WHITE PAGES
1980	Iglesias Francisco	Pacific Telephone

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

MOUNT WHITNEY RD

3211 MOUNT WHITNEY RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a GRIPPO Gregory	Haines Company, Inc.
1995	GREGORY	PACIFIC BELL WHITE PAGES
1985	ELLLOTT HOWARD L	PACIFIC BELL WHITE PAGES
1980	Elli ott Howard L	Pacific Telephone

3215 MOUNT WHITNEY RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LOPEZ Michael	Haines Company, Inc.
1995	KOVACS A	PACIFIC BELL WHITE PAGES
1991	Nelson Paving Co	PACIFIC BELL WHITE PAGES
	Nelson Peggy	PACIFIC BELL WHITE PAGES

3221 MOUNT WHITNEY RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a NGUYEN Khlem 00 e	Haines Company, Inc.

3223 MOUNT WHITNEY RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	a MARTIN Chades	Haines Company, Inc.
1985	HEARD N E	PACIFIC BELL WHITE PAGES
1980	Telecommunications International Inc	Pacific Telephone
	Heard N E	Pacific Telephone

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

3240 Mt. Whitney Road

Address Not Identified in Research Source

2000, 1995, 1992, 1991, 1989, 1984, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

3211 MOUNT WHITNEY RD

Address Not Identified in Research Source

2000, 1992, 1991, 1989, 1984, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

3215 MOUNT WHITNEY RD

2000, 1992, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

3221 MOUNT WHITNEY RD

2000, 1995, 1992, 1991, 1989, 1985, 1984, 1980, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

3223 MOUNT WHITNEY RD

2000, 1995, 1992, 1991, 1989, 1984, 1976, 1975, 1971, 1970, 1966, 1965, 1962, 1961, 1960, 1956, 1955, 1952, 1950, 1948, 1945, 1943, 1940, 1938, 1933, 1927, 1921, 1907, 1903

APPENDIX

H

June 25, 2013

Elizabeth Miller
Geocon Consultants, Inc.
6960 Flanders Drive
San Diego, CA 92121
Tel: (858) 558-6100
Fax: (858) 558-8437


ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Re: ATL Work Order Number : 1301855
Client Reference : Valiano, 9524-06-04

Enclosed are the results for sample(s) received on June 21, 2013 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B13 - 0.5	1301855-01	Soil	6/21/13 8:49	6/21/13 14:48
B14 - 0.5	1301855-03	Soil	6/21/13 9:09	6/21/13 14:48
B15 - 0.5	1301855-05	Soil	6/21/13 9:27	6/21/13 14:48
B16 - 0.5	1301855-07	Soil	6/21/13 9:58	6/21/13 14:48
B17 - 0.5	1301855-09	Soil	6/21/13 10:25	6/21/13 14:48
B18 - 0.5	1301855-11	Soil	6/21/13 10:58	6/21/13 14:48
B19 - 0.5	1301855-13	Soil	6/21/13 11:12	6/21/13 14:48
B20 - 0.5	1301855-15	Soil	6/21/13 11:40	6/21/13 14:48
B21 - 0.5	1301855-17	Soil	6/21/13 12:05	6/21/13 14:48
B22 - 0.5	1301855-19	Soil	6/21/13 12:16	6/21/13 14:48
B23 - 0.5	1301855-21	Soil	6/21/13 13:39	6/21/13 14:48
B24 - 0.5	1301855-23	Soil	6/21/13 13:56	6/21/13 14:48
B25 - 0.5	1301855-25	Soil	6/21/13 14:08	6/21/13 14:48
AST1 - 0.5	1301855-27	Soil	6/21/13 14:23	6/21/13 14:48
AST2 - 0.5	1301855-28	Soil	6/21/13 14:32	6/21/13 14:48



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B13 - 0.5

Lab ID: 1301855-01

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 11:41	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 20:30	
Surrogate: Decachlorobiphenyl	90.8 %	32 - 113			B3F0484	06/24/2013	06/24/13 20:30	
Surrogate: Tetrachloro-m-xylene	80.2 %	32 - 101			B3F0484	06/24/2013	06/24/13 20:30	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B14 - 0.5

Lab ID: 1301855-03

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 11:43	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 20:43	
Surrogate: Decachlorobiphenyl	93.4 %		32 - 113		B3F0484	06/24/2013	06/24/13 20:43	
Surrogate: Tetrachloro-m-xylene	78.9 %		32 - 101		B3F0484	06/24/2013	06/24/13 20:43	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B15 - 0.5

Lab ID: 1301855-05

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 11:44	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 20:56	
Surrogate: Decachlorobiphenyl	84.8 %	32 - 113			B3F0484	06/24/2013	06/24/13 20:56	
Surrogate: Tetrachloro-m-xylene	72.3 %	32 - 101			B3F0484	06/24/2013	06/24/13 20:56	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B16 - 0.5

Lab ID: 1301855-07

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 11:46	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 21:09	
Surrogate: Decachlorobiphenyl	97.3 %	32 - 113			B3F0484	06/24/2013	06/24/13 21:09	
Surrogate: Tetrachloro-m-xylene	85.7 %	32 - 101			B3F0484	06/24/2013	06/24/13 21:09	



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Geocon Consultants, Inc.
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Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B17 - 0.5

Lab ID: 1301855-09

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 11:48	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 21:23	
Surrogate: Decachlorobiphenyl	90.2 %	32 - 113			B3F0484	06/24/2013	06/24/13 21:23	
Surrogate: Tetrachloro-m-xylene	82.5 %	32 - 101			B3F0484	06/24/2013	06/24/13 21:23	



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San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B18 - 0.5

Lab ID: 1301855-11

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 11:49	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 21:36	
Surrogate: Decachlorobiphenyl	90.3 %	32 - 113			B3F0484	06/24/2013	06/24/13 21:36	
Surrogate: Tetrachloro-m-xylene	80.8 %	32 - 101			B3F0484	06/24/2013	06/24/13 21:36	



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Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B19 - 0.5

Lab ID: 1301855-13

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 11:51	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 21:49	
Surrogate: Decachlorobiphenyl	101 %	32 - 113			B3F0484	06/24/2013	06/24/13 21:49	
Surrogate: Tetrachloro-m-xylene	87.1 %	32 - 101			B3F0484	06/24/2013	06/24/13 21:49	



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San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B20 - 0.5

Lab ID: 1301855-15

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 11:52	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 22:02	
Surrogate: Decachlorobiphenyl	90.3 %		32 - 113		B3F0484	06/24/2013	06/24/13 22:02	
Surrogate: Tetrachloro-m-xylene	71.3 %		32 - 101		B3F0484	06/24/2013	06/24/13 22:02	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B21 - 0.5

Lab ID: 1301855-17

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 11:54	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 22:15	
Surrogate: Decachlorobiphenyl	91.2 %		32 - 113		B3F0484	06/24/2013	06/24/13 22:15	
Surrogate: Tetrachloro-m-xylene	78.8 %		32 - 101		B3F0484	06/24/2013	06/24/13 22:15	



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6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B22 - 0.5

Lab ID: 1301855-19

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 11:59	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 22:28	
Surrogate: Decachlorobiphenyl	92.8 %		32 - 113		B3F0484	06/24/2013	06/24/13 22:28	
Surrogate: Tetrachloro-m-xylene	85.4 %		32 - 101		B3F0484	06/24/2013	06/24/13 22:28	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B23 - 0.5

Lab ID: 1301855-21

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 12:01	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 22:41	
Surrogate: Decachlorobiphenyl	90.0 %	32 - 113			B3F0484	06/24/2013	06/24/13 22:41	
Surrogate: Tetrachloro-m-xylene	82.4 %	32 - 101			B3F0484	06/24/2013	06/24/13 22:41	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B24 - 0.5

Lab ID: 1301855-23

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	1.0	NA	1	B3F0479	06/25/2013	06/25/13 12:02	

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 22:55	
Surrogate: Decachlorobiphenyl	93.6 %	32 - 113			B3F0484	06/24/2013	06/24/13 22:55	
Surrogate: Tetrachloro-m-xylene	82.4 %	32 - 101			B3F0484	06/24/2013	06/24/13 22:55	



Certificate of Analysis

Geocon Consultants, Inc.
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San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID B25 - 0.5

Lab ID: 1301855-25

Total Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Arsenic	ND	2.0	NA	2	B3F0479	06/25/2013	06/25/13 12:39	D5

Organochlorine Pesticides by EPA 8081

Analyst: BB

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4'-DDD	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
4,4'-DDE	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
4,4'-DDT	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Aldrin	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
alpha-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
alpha-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
beta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Chlordane	ND	8.5	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
delta-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Dieldrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Endosulfan I	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Endosulfan II	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Endosulfan sulfate	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Endrin	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Endrin aldehyde	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Endrin ketone	ND	2.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
gamma-BHC	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
gamma-Chlordane	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Heptachlor	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Heptachlor epoxide	ND	1.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Methoxychlor	ND	5.0	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Toxaphene	ND	50	NA	1	B3F0484	06/24/2013	06/24/13 23:08	
Surrogate: Decachlorobiphenyl	93.4 %	32 - 113			B3F0484	06/24/2013	06/24/13 23:08	
Surrogate: Tetrachloro-m-xylene	72.9 %	32 - 101			B3F0484	06/24/2013	06/24/13 23:08	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID AST1 - 0.5

Lab ID: 1301855-27

Gasoline Range Organics by EPA 8015B

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	NA	1	B3F0480	06/24/2013	06/24/13 14:12	
Surrogate: 4-Bromofluorobenzene	99.7 %		54 - 150		B3F0480	06/24/2013	06/24/13 14:12	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	17	10	NA	1	B3F0475	06/24/2013	06/24/13 13:25	
ORO	ND	10	NA	1	B3F0475	06/24/2013	06/24/13 13:25	
Surrogate: p-Terphenyl	97.6 %		55 - 153		B3F0475	06/24/2013	06/24/13 13:25	

Volatile Organic Compounds by EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,1,1-Trichloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,1,2,2-Tetrachloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,1,2-Trichloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,1-Dichloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,1-Dichloroethene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,1-Dichloropropene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,2,3-Trichloropropane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,2,3-Trichlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,2,4-Trichlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,2,4-Trimethylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,2-Dibromo-3-chloropropane	ND	10	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,2-Dibromoethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,2-Dichlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,2-Dichloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,2-Dichloropropane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,3,5-Trimethylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,3-Dichlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,3-Dichloropropane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
1,4-Dichlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
2,2-Dichloropropane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
2-Chlorotoluene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID AST1 - 0.5

Lab ID: 1301855-27

Volatile Organic Compounds by EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
4-Isopropyltoluene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Benzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Bromobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Bromodichloromethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Bromoform	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Bromomethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Carbon tetrachloride	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Chlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Chloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Chloroform	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Chloromethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
cis-1,2-Dichloroethene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
cis-1,3-Dichloropropene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Dibromochloromethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Dibromomethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Dichlorodifluoromethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Ethylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Hexachlorobutadiene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Isopropylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
m,p-Xylene	ND	10	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Methylene chloride	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
n-Butylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
n-Propylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Naphthalene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
o-Xylene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
sec-Butylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Styrene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
tert-Butylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Tetrachloroethene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Toluene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
trans-1,2-Dichloroethene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Trichloroethene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Trichlorofluoromethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Vinyl chloride	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 06:52	
Surrogate: 1,2-Dichloroethane-d4	97.3 %		70 - 130		B3F0489	06/25/2013	06/25/13 06:52	
Surrogate: 4-Bromofluorobenzene	78.5 %		70 - 130		B3F0489	06/25/2013	06/25/13 06:52	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID AST1 - 0.5

Lab ID: 1301855-27

Volatile Organic Compounds by EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	80.0 %		70 - 130		B3F0489	06/25/2013	06/25/13 06:52	
<i>Surrogate: Toluene-d8</i>	80.6 %		70 - 130		B3F0489	06/25/2013	06/25/13 06:52	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID AST2 - 0.5

Lab ID: 1301855-28

Gasoline Range Organics by EPA 8015B

Analyst: VN

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	NA	1	B3F0480	06/24/2013	06/24/13 14:33	
Surrogate: 4-Bromofluorobenzene	97.3 %		54 - 150		B3F0480	06/24/2013	06/24/13 14:33	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	1500	10	NA	1	B3F0475	06/24/2013	06/24/13 16:30	
ORO	1400	10	NA	1	B3F0475	06/24/2013	06/24/13 16:30	
Surrogate: p-Terphenyl	106 %		55 - 153		B3F0475	06/24/2013	06/24/13 16:30	

Volatile Organic Compounds by EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,1,1-Trichloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,1,2,2-Tetrachloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,1,2-Trichloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,1-Dichloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,1-Dichloroethene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,1-Dichloropropene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,2,3-Trichloropropane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,2,3-Trichlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,2,4-Trichlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,2,4-Trimethylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,2-Dibromo-3-chloropropane	ND	10	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,2-Dibromoethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,2-Dichlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,2-Dichloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,2-Dichloropropane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,3,5-Trimethylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,3-Dichlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,3-Dichloropropane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
1,4-Dichlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
2,2-Dichloropropane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
2-Chlorotoluene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID AST2 - 0.5

Lab ID: 1301855-28

Volatile Organic Compounds by EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chlorotoluene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
4-Isopropyltoluene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Benzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Bromobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Bromodichloromethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Bromoform	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Bromomethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Carbon tetrachloride	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Chlorobenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Chloroethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Chloroform	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Chloromethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
cis-1,2-Dichloroethene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
cis-1,3-Dichloropropene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Dibromochloromethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Dibromomethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Dichlorodifluoromethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Ethylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Hexachlorobutadiene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Isopropylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
m,p-Xylene	ND	10	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Methylene chloride	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
n-Butylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
n-Propylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Naphthalene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
o-Xylene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
sec-Butylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Styrene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
tert-Butylbenzene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Tetrachloroethene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Toluene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
trans-1,2-Dichloroethene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Trichloroethene	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Trichlorofluoromethane	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	
Vinyl chloride	ND	5.0	NA	1	B3F0489	06/25/2013	06/25/13 07:10	

<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>101 %</i>	<i>70 - 130</i>	B3F0489	06/25/2013	06/25/13 07:10
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>74.5 %</i>	<i>70 - 130</i>	B3F0489	06/25/2013	06/25/13 07:10



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6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Client Sample ID AST2 - 0.5

Lab ID: 1301855-28

Volatile Organic Compounds by EPA 8260

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
<i>Surrogate: Dibromofluoromethane</i>	83.9 %		70 - 130		B3F0489	06/25/2013	06/25/13 07:10	
<i>Surrogate: Toluene-d8</i>	80.5 %		70 - 130		B3F0489	06/25/2013	06/25/13 07:10	



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Project Number : Valiano, 9524-06-04

Report To : Elizabeth Miller

Reported : 06/25/2013

QUALITY CONTROL SECTION

Total Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B3F0479 - EPA 3050B

Blank (B3F0479-BLK1)

Prepared: 6/25/2013 Analyzed: 6/25/2013

Arsenic	ND	1.0			NR
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LCS (B3F0479-BS1)

Prepared: 6/25/2013 Analyzed: 6/25/2013

Arsenic	48.7357	1.0	50.0000	97.5	80 - 120
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Matrix Spike (B3F0479-MS1)

Source: 1301808-01

Prepared: 6/25/2013 Analyzed: 6/25/2013

Arsenic	110.010	1.0	125.000	ND	88.0 55 - 102
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Matrix Spike (B3F0479-MS2)

Source: 1301808-01RE1

Prepared: 6/25/2013 Analyzed: 6/25/2013

Arsenic	117.502	10	125.000	ND	94.0 55 - 102
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Matrix Spike Dup (B3F0479-MSD1)

Source: 1301808-01

Prepared: 6/25/2013 Analyzed: 6/25/2013

Arsenic	110.775	1.0	125.000	ND	88.6 55 - 102	0.693	20
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Matrix Spike Dup (B3F0479-MSD2)

Source: 1301808-01RE1

Prepared: 6/25/2013 Analyzed: 6/25/2013

Arsenic	111.006	10	125.000	ND	88.8 55 - 102	5.69	20
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San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Gasoline Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B3F0480 - GCVOAS

Blank (B3F0480-BLK1)

Prepared: 6/24/2013 Analyzed: 6/24/2013

Gasoline Range Organics	ND	1.0				NR			
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Surrogate: 4-Bromofluorobenzene 0.09432 0.100000 94.3 54 - 150

LCS (B3F0480-BS1)

Prepared: 6/24/2013 Analyzed: 6/24/2013

Gasoline Range Organics	5.14700	1.0	5.00000		103	70 - 130			
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Surrogate: 4-Bromofluorobenzene 0.1059 0.100000 106 54 - 150

LCS Dup (B3F0480-BSD1)

Prepared: 6/24/2013 Analyzed: 6/24/2013

Gasoline Range Organics	5.12500	1.0	5.00000		102	70 - 130	0.428	20	
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Surrogate: 4-Bromofluorobenzene 0.1069 0.100000 107 54 - 150

Matrix Spike (B3F0480-MS1)

Source: 1301855-28

Prepared: 6/24/2013 Analyzed: 6/24/2013

Gasoline Range Organics	3.63600	1.0	5.00000	ND	72.7	42 - 125			
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Surrogate: 4-Bromofluorobenzene 0.1043 0.100000 104 54 - 150

Matrix Spike Dup (B3F0480-MSD1)

Source: 1301855-28

Prepared: 6/24/2013 Analyzed: 6/24/2013

Gasoline Range Organics	3.63600	1.0	5.00000	ND	72.7	42 - 125	0.00	20	
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Surrogate: 4-Bromofluorobenzene 0.09831 0.100000 98.3 54 - 150



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San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B3F0475 - GCSEMI_DRO									
Blank (B3F0475-BLK1)				Prepared: 6/24/2013 Analyzed: 6/24/2013					
DRO	ND	10			NR				
ORO	ND	10			NR				
<i>Surrogate: p-Terphenyl</i>	<i>90.38</i>		<i>80.0000</i>		<i>113</i>	<i>55 - 153</i>			
LCS (B3F0475-BS1)				Prepared: 6/24/2013 Analyzed: 6/24/2013					
DRO	1188.67	10	1000.00		119	65 - 151			
<i>Surrogate: p-Terphenyl</i>	<i>75.73</i>		<i>80.0000</i>		<i>94.7</i>	<i>55 - 153</i>			
Matrix Spike (B3F0475-MS1)				Source: 1301854-01 Prepared: 6/24/2013 Analyzed: 6/24/2013					
DRO	1287.72	10	1000.00	43.6200	124	45 - 168			
<i>Surrogate: p-Terphenyl</i>	<i>81.12</i>		<i>80.0000</i>		<i>101</i>	<i>55 - 153</i>			
Matrix Spike Dup (B3F0475-MSD1)				Source: 1301854-01 Prepared: 6/24/2013 Analyzed: 6/24/2013					
DRO	1220.94	10	1000.00	43.6200	118	45 - 168	5.32	20	
<i>Surrogate: p-Terphenyl</i>	<i>79.40</i>		<i>80.0000</i>		<i>99.2</i>	<i>55 - 153</i>			



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San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B3F0484 - GCSEMI_PCB/PEST

Blank (B3F0484-BLK1)

Prepared: 6/24/2013 Analyzed: 6/24/2013

4,4'-DDD	ND	2.0			NR
4,4'-DDD [2C]	ND	2.0			NR
4,4'-DDE	ND	2.0			NR
4,4'-DDE [2C]	ND	2.0			NR
4,4'-DDT	ND	2.0			NR
4,4'-DDT [2C]	ND	2.0			NR
Aldrin	ND	1.0			NR
Aldrin [2C]	ND	1.0			NR
alpha-BHC	ND	1.0			NR
alpha-BHC [2C]	ND	1.0			NR
alpha-Chlordane	ND	1.0			NR
alpha-Chlordane [2C]	ND	1.0			NR
beta-BHC	ND	1.0			NR
beta-BHC [2C]	ND	1.0			NR
Chlordane	ND	8.5			NR
Chlordane [2C]	ND	8.5			NR
delta-BHC	ND	1.0			NR
delta-BHC [2C]	ND	1.0			NR
Dieldrin	ND	2.0			NR
Dieldrin [2C]	ND	2.0			NR
Endosulfan I	ND	1.0			NR
Endosulfan I [2C]	ND	1.0			NR
Endosulfan II	ND	2.0			NR
Endosulfan II [2C]	ND	2.0			NR
Endosulfan sulfate	ND	2.0			NR
Endosulfan Sulfate [2C]	ND	2.0			NR
Endrin	ND	2.0			NR
Endrin [2C]	ND	2.0			NR
Endrin aldehyde	ND	2.0			NR
Endrin aldehyde [2C]	ND	2.0			NR
Endrin ketone	ND	2.0			NR
Endrin ketone [2C]	ND	2.0			NR
gamma-BHC	ND	1.0			NR
gamma-BHC [2C]	ND	1.0			NR
gamma-Chlordane	ND	1.0			NR
gamma-Chlordane [2C]	ND	1.0			NR
Heptachlor	ND	1.0			NR
Heptachlor [2C]	ND	1.0			NR
Heptachlor epoxide	ND	1.0			NR
Heptachlor epoxide [2C]	ND	1.0			NR
Methoxychlor	ND	5.0			NR



Certificate of Analysis

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Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec Limits	RPD	RPD Limit	Notes
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Batch B3F0484 - GCSEMI_PCB/PEST (continued)

Blank (B3F0484-BLK1) - Continued

Prepared: 6/24/2013 Analyzed: 6/24/2013

Methoxychlor [2C]	ND	5.0			NR			
Toxaphene	ND	50			NR			
Toxaphene [2C]	ND	50			NR			
Surrogate: Decachlorobiphenyl	12.32		16.6667		73.9	32 - 113		
Surrogate: Decachlorobiphenyl [2C]	12.26		16.6667		73.6	32 - 113		
Surrogate: Tetrachloro-m-xylene	11.96		16.6667		71.8	32 - 101		
Surrogate: Tetrachloro-m-xylene [2C]	11.65		16.6667		69.9	32 - 101		

LCS (B3F0484-BS1)

Prepared: 6/24/2013 Analyzed: 6/24/2013

4,4'-DDT	12.4052	2.0	16.6667		74.4	60 - 108		
4,4'-DDT [2C]	12.2305	2.0	16.6667		73.4	60 - 108		
Aldrin	12.9918	1.0	16.6667		78.0	57 - 111		
Aldrin [2C]	12.2092	1.0	16.6667		73.3	57 - 111		
Dieldrin	12.3267	2.0	16.6667		74.0	61 - 106		
Dieldrin [2C]	11.9088	2.0	16.6667		71.5	61 - 106		
Endrin	11.9305	2.0	16.6667		71.6	57 - 97		
Endrin [2C]	12.0178	2.0	16.6667		72.1	57 - 97		
gamma-BHC	13.4875	1.0	16.6667		80.9	61 - 109		
gamma-BHC [2C]	12.6747	1.0	16.6667		76.0	61 - 109		
Heptachlor	11.9675	1.0	16.6667		71.8	58 - 115		
Heptachlor [2C]	12.1267	1.0	16.6667		72.8	58 - 115		
Surrogate: Decachlorobiphenyl	14.34		16.6667		86.0	32 - 113		
Surrogate: Decachlorobiphenyl [2C]	14.06		16.6667		84.4	32 - 113		
Surrogate: Tetrachloro-m-xylene	12.93		16.6667		77.6	32 - 101		
Surrogate: Tetrachloro-m-xylene [2C]	12.35		16.6667		74.1	32 - 101		

Matrix Spike (B3F0484-MS1)

Source: 1301855-01

Prepared: 6/24/2013 Analyzed: 6/24/2013

4,4'-DDT	16.5953	2.0	16.6667	ND	99.6	26 - 133		
4,4'-DDT [2C]	16.4263	2.0	16.6667	ND	98.6	26 - 133		
Aldrin	16.2295	1.0	16.6667	ND	97.4	38 - 119		
Aldrin [2C]	14.8805	1.0	16.6667	ND	89.3	38 - 119		
Dieldrin	15.4093	2.0	16.6667	ND	92.5	30 - 120		
Dieldrin [2C]	14.8778	2.0	16.6667	ND	89.3	30 - 120		
Endrin	15.8580	2.0	16.6667	ND	95.1	30 - 114		
Endrin [2C]	15.8485	2.0	16.6667	ND	95.1	30 - 114		
gamma-BHC	16.5457	1.0	16.6667	ND	99.3	31 - 122		
gamma-BHC [2C]	15.7277	1.0	16.6667	ND	94.4	31 - 122		
Heptachlor	15.1743	1.0	16.6667	ND	91.0	38 - 123		
Heptachlor [2C]	15.5963	1.0	16.6667	ND	93.6	38 - 123		
Surrogate: Decachlorobiphenyl	16.60		16.6667		99.6	32 - 113		
Surrogate: Decachlorobiphenyl [2C]	16.28		16.6667		97.7	32 - 113		



Certificate of Analysis

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Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B3F0484 - GCSEMI_PCB/PEST (continued)

Matrix Spike (B3F0484-MS1) - Continued

Source: 1301855-01

Prepared: 6/24/2013 Analyzed: 6/24/2013

Surrogate: Tetrachloro-m-xylene	14.18		16.6667		85.1	32 - 101			
Surrogate: Tetrachloro-m-xylene [2C]	13.79		16.6667		82.7	32 - 101			

Matrix Spike Dup (B3F0484-MSD1)

Source: 1301855-01

Prepared: 6/24/2013 Analyzed: 6/24/2013

4,4'-DDT	15.7658	2.0	16.6667	ND	94.6	26 - 133	5.13	20	
4,4'-DDT [2C]	15.7182	2.0	16.6667	ND	94.3	26 - 133	4.41	20	
Aldrin	15.8860	1.0	16.6667	ND	95.3	38 - 119	2.14	20	
Aldrin [2C]	14.6473	1.0	16.6667	ND	87.9	38 - 119	1.58	20	
Dieldrin	14.8865	2.0	16.6667	ND	89.3	30 - 120	3.45	20	
Dieldrin [2C]	14.4685	2.0	16.6667	ND	86.8	30 - 120	2.79	20	
Endrin	15.1533	2.0	16.6667	ND	90.9	30 - 114	4.54	20	
Endrin [2C]	15.2475	2.0	16.6667	ND	91.5	30 - 114	3.87	20	
gamma-BHC	16.2942	1.0	16.6667	ND	97.8	31 - 122	1.53	20	
gamma-BHC [2C]	15.5787	1.0	16.6667	ND	93.5	31 - 122	0.952	20	
Heptachlor	15.0480	1.0	16.6667	ND	90.3	38 - 123	0.836	20	
Heptachlor [2C]	15.5268	1.0	16.6667	ND	93.2	38 - 123	0.447	20	
Surrogate: Decachlorobiphenyl	15.46		16.6667		92.8	32 - 113			
Surrogate: Decachlorobiphenyl [2C]	15.50		16.6667		93.0	32 - 113			
Surrogate: Tetrachloro-m-xylene	13.88		16.6667		83.3	32 - 101			
Surrogate: Tetrachloro-m-xylene [2C]	13.62		16.6667		81.7	32 - 101			



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Volatile Organic Compounds by EPA 8260 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B3F0489 - MSVOAS

Blank (B3F0489-BLK1)

Prepared: 6/25/2013 Analyzed: 6/25/2013

1,1,1,2-Tetrachloroethane	ND	5.0			NR
1,1,1-Trichloroethane	ND	5.0			NR
1,1,2,2-Tetrachloroethane	ND	5.0			NR
1,1,2-Trichloroethane	ND	5.0			NR
1,1-Dichloroethane	ND	5.0			NR
1,1-Dichloroethene	ND	5.0			NR
1,1-Dichloropropene	ND	5.0			NR
1,2,3-Trichloropropane	ND	5.0			NR
1,2,3-Trichlorobenzene	ND	5.0			NR
1,2,4-Trichlorobenzene	ND	5.0			NR
1,2,4-Trimethylbenzene	ND	5.0			NR
1,2-Dibromo-3-chloropropane	ND	10			NR
1,2-Dibromoethane	ND	5.0			NR
1,2-Dichlorobenzene	ND	5.0			NR
1,2-Dichloroethane	ND	5.0			NR
1,2-Dichloropropane	ND	5.0			NR
1,3,5-Trimethylbenzene	ND	5.0			NR
1,3-Dichlorobenzene	ND	5.0			NR
1,3-Dichloropropane	ND	5.0			NR
1,4-Dichlorobenzene	ND	5.0			NR
2,2-Dichloropropane	ND	5.0			NR
2-Chlorotoluene	ND	5.0			NR
4-Chlorotoluene	ND	5.0			NR
4-Isopropyltoluene	ND	5.0			NR
Benzene	ND	5.0			NR
Bromobenzene	ND	5.0			NR
Bromodichloromethane	ND	5.0			NR
Bromoform	ND	5.0			NR
Bromomethane	ND	5.0			NR
Carbon tetrachloride	ND	5.0			NR
Chlorobenzene	ND	5.0			NR
Chloroethane	ND	5.0			NR
Chloroform	ND	5.0			NR
Chloromethane	ND	5.0			NR
cis-1,2-Dichloroethene	ND	5.0			NR
cis-1,3-Dichloropropene	ND	5.0			NR
Dibromochloromethane	ND	5.0			NR
Dibromomethane	ND	5.0			NR
Dichlorodifluoromethane	ND	5.0			NR
Ethylbenzene	ND	5.0			NR
Hexachlorobutadiene	ND	5.0			NR



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec % Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B3F0489 - MSVOAS (continued)

Blank (B3F0489-BLK1) - Continued

Prepared: 6/25/2013 Analyzed: 6/25/2013

Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl chloride	ND	5.0			NR				

Surrogate: 1,2-Dichloroethane-d4	45.08		50.0000		90.2	70 - 130			
Surrogate: 4-Bromofluorobenzene	41.54		50.0000		83.1	70 - 130			
Surrogate: Dibromofluoromethane	39.46		50.0000		78.9	70 - 130			
Surrogate: Toluene-d8	40.99		50.0000		82.0	70 - 130			

LCS (B3F0489-BS1)

Prepared: 6/24/2013 Analyzed: 6/24/2013

1,1-Dichloroethene	40.5000	5.0	50.0000		81.0	70 - 130			
Benzene	90.5400	5.0	100.000		90.5	70 - 130			
Chlorobenzene	45.6600	5.0	50.0000		91.3	70 - 130			
MTBE	48.3100	5.0	50.0000		96.6	70 - 130			
Toluene	90.8600	5.0	100.000		90.9	70 - 130			
Trichloroethene	43.7300	5.0	50.0000		87.5	70 - 130			

Surrogate: 1,2-Dichloroethane-d4	42.23		50.0000		84.5	70 - 130			
Surrogate: 4-Bromofluorobenzene	42.29		50.0000		84.6	70 - 130			
Surrogate: Dibromofluoromethane	38.05		50.0000		76.1	70 - 130			
Surrogate: Toluene-d8	41.20		50.0000		82.4	70 - 130			

Duplicate (B3F0489-DUP1)

Source: 1301813-03RE1

Prepared: 6/25/2013 Analyzed: 6/25/2013

1,1-Dichloroethene	ND	5.0		ND	NR			20	
Benzene	ND	5.0		ND	NR			20	
Chlorobenzene	ND	5.0		ND	NR			20	
MTBE	ND	5.0		ND	NR			20	
Toluene	ND	5.0		ND	NR			20	
Trichloroethene	ND	5.0		ND	NR			20	

Surrogate: 1,2-Dichloroethane-d4	47.21		50.0000		94.4	70 - 130			
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Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Volatile Organic Compounds by EPA 8260 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B3F0489 - MSVOAS (continued)

Duplicate (B3F0489-DUP1) - Continued

Source: 1301813-03RE1

Prepared: 6/25/2013 Analyzed: 6/25/2013

Surrogate: 4-Bromofluorobenzene	39.98		50.0000		80.0	70 - 130			
Surrogate: Dibromofluoromethane	40.33		50.0000		80.7	70 - 130			
Surrogate: Toluene-d8	40.68		50.0000		81.4	70 - 130			

Matrix Spike (B3F0489-MS1)

Source: 1301855-27

Prepared: 6/24/2013 Analyzed: 6/24/2013

1,1-Dichloroethene	41.2700	5.0	50.0000	ND	82.5	70 - 130			
Benzene	83.8500	5.0	100.000	ND	83.8	70 - 130			
Chlorobenzene	38.4300	5.0	50.0000	ND	76.9	70 - 130			
MTBE	46.9700	5.0	50.0000	ND	93.9	70 - 130			
Toluene	78.8100	5.0	100.000	ND	78.8	70 - 130			
Trichloroethene	39.0700	5.0	50.0000	ND	78.1	70 - 130			

Surrogate: 1,2-Dichloroethane-d4	40.66		50.0000		81.3	70 - 130			
Surrogate: 4-Bromofluorobenzene	37.05		50.0000		74.1	70 - 130			
Surrogate: Dibromofluoromethane	38.01		50.0000		76.0	70 - 130			
Surrogate: Toluene-d8	39.79		50.0000		79.6	70 - 130			

Matrix Spike Dup (B3F0489-MSD1)

Source: 1301855-27

Prepared: 6/24/2013 Analyzed: 6/24/2013

1,1-Dichloroethene	40.6300	5.0	50.0000	ND	81.3	70 - 130	1.56	20	
Benzene	94.5900	5.0	100.000	ND	94.6	70 - 130	12.0	20	
Chlorobenzene	40.4900	5.0	50.0000	ND	81.0	70 - 130	5.22	20	
MTBE	44.1600	5.0	50.0000	ND	88.3	70 - 130	6.17	20	
Toluene	88.4200	5.0	100.000	ND	88.4	70 - 130	11.5	20	
Trichloroethene	44.4100	5.0	50.0000	ND	88.8	70 - 130	12.8	20	

Surrogate: 1,2-Dichloroethane-d4	38.90		50.0000		77.8	70 - 130			
Surrogate: 4-Bromofluorobenzene	41.52		50.0000		83.0	70 - 130			
Surrogate: Dibromofluoromethane	36.75		50.0000		73.5	70 - 130			
Surrogate: Toluene-d8	42.09		50.0000		84.2	70 - 130			



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/25/2013

Notes and Definitions

D5	Sample diluted due to failing internal standard in the original run.
ND	Analyte not detected at or above reporting limit
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.

CHAIN OF CUSTODY RECORD

Pg 1 of 3

ADVANCED TECHNOLOGY LABORATORIES 3275 Walnut Ave., Signal Hill, CA 90755 Tel: (562) 989-4045 • Fax: (562) 989-4040		P.O.#: _____ Quote #: _____ As the authorized agent of the below named company, I hereby purchase testing services from ATL as dictated below and guarantee payment in full. Submitter (Print): _____ Signature: _____		FOR LABORATORY USE ONLY: Method of Transport ☐ Client ☒ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____ Sample Condition Upon Receipt 1. CHILLED ☒ Y ☐ N ☐ 4. SEALED ☐ Y ☐ N ☐ 2. HEADSPACE (VOA) ☐ Y ☐ N ☐ 5. # OF SPLS MATCH COC ☐ Y ☐ N ☐ 3. CONTAINER INTACT ☐ Y ☐ N ☐ 6. PRESERVED ☐ Y ☐ N ☐																																																																									
Submitter - Please complete all SHADED areas and include QUOTE # above to ensure proper invoicing.																																																																													
Client: <u>Seacon Inc</u> Address: <u>6960 Flinders Dr.</u> TEL: <u>858-558-6900</u> Attn: <u>Elizabeth Miller/Ben Eastman</u> City: <u>San Diego</u> State: <u>CA</u> Zip Code: <u>92106</u> FAX: _____																																																																													
Project Name: <u>Blayano</u> Project #: <u>9524-00-84</u> (Related Name) Relinquished by: <u>Elizabeth Miller</u> Date: <u>6-21-13</u> Time: <u>1448</u> (Signature and Printed Name) Relinquished by: <u>Edward Rodriguez</u> Date: <u>6-21-13</u> Time: <u>1755</u> (Signature and Printed Name) Relinquished by: _____ Date: _____ Time: _____ (Signature and Printed Name)																																																																													
Bill To: _____ E-mail: _____ Attn: _____ E-mail: _____ Company: <u>Same</u> Address: _____ City: _____ State: _____ Zip: _____		Special Instructions/Comments: _____ Received by: _____ Date: _____ Time: _____ (Signature and Printed Name) Received by: _____ Date: _____ Time: _____ (Signature and Printed Name)																																																																											
Sample/Records - Archival & Disposal Unless otherwise requested by client, all Samples and Hardcopy will be disposed Forty-five(45) days after generation of report - electronic copies retained for five(5) years Storage Fees (applies when storage is requested): Sample : Forty-five(45) Days Complimentary - \$2.00 / sample / mo thereafter. Hardcopy Reports \$17.50 per report.		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">BUSINESS HOURS</th> <th colspan="2">Sample Description</th> <th colspan="2">Container Types:</th> </tr> <tr> <th colspan="2">8:30 am to 5:30 pm</th> <th>Sample I.D. / Location</th> <th>Date</th> <th>Time</th> <th>1=Tube 2=VOA 3=Liter 4=Pint 5=Jar</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1301855</td> <td>B13-0.5</td> <td>6/21</td> <td>8:19</td> <td>1=Tube</td> </tr> <tr> <td>2</td> <td></td> <td>B13-2.0</td> <td></td> <td>8:55</td> <td>5=Jar</td> </tr> <tr> <td>3</td> <td></td> <td>B14-0.5</td> <td></td> <td>9:09</td> <td>30% SURCHARGE 2ND BUSINESS DAY 5:30 PM</td> </tr> <tr> <td>4</td> <td></td> <td>B14-2.0</td> <td></td> <td>9:12</td> <td>30% SURCHARGE 3RD BUSINESS DAY 5:30 PM</td> </tr> <tr> <td>5</td> <td></td> <td>B15-0.5</td> <td></td> <td>9:27</td> <td>30% SURCHARGE 3RD BUSINESS DAY 5:30 PM</td> </tr> <tr> <td>6</td> <td></td> <td>B15-2.0</td> <td></td> <td>9:43</td> <td>30% SURCHARGE 3RD BUSINESS DAY 5:30 PM</td> </tr> <tr> <td>7</td> <td></td> <td>B16-0.5</td> <td></td> <td>9:58</td> <td>30% SURCHARGE 3RD BUSINESS DAY 5:30 PM</td> </tr> <tr> <td>8</td> <td></td> <td>B16-2.0</td> <td></td> <td>10:07</td> <td>30% SURCHARGE 3RD BUSINESS DAY 5:30 PM</td> </tr> <tr> <td>9</td> <td></td> <td>B17-0.5</td> <td></td> <td>10:25</td> <td>30% SURCHARGE 3RD BUSINESS DAY 5:30 PM</td> </tr> <tr> <td>10</td> <td></td> <td>B17-2.0</td> <td></td> <td>10:38</td> <td>30% SURCHARGE 3RD BUSINESS DAY 5:30 PM</td> </tr> </tbody> </table>				BUSINESS HOURS		Sample Description		Container Types:		8:30 am to 5:30 pm		Sample I.D. / Location	Date	Time	1=Tube 2=VOA 3=Liter 4=Pint 5=Jar	1	1301855	B13-0.5	6/21	8:19	1=Tube	2		B13-2.0		8:55	5=Jar	3		B14-0.5		9:09	30% SURCHARGE 2ND BUSINESS DAY 5:30 PM	4		B14-2.0		9:12	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	5		B15-0.5		9:27	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	6		B15-2.0		9:43	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	7		B16-0.5		9:58	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	8		B16-2.0		10:07	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	9		B17-0.5		10:25	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	10		B17-2.0		10:38	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM
BUSINESS HOURS		Sample Description		Container Types:																																																																									
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Samples Submitted AFTER 3:30 PM, are considered received the following business day at 8:30 AM. TAT 0 300% SURCHARGE SAME BUSINESS DAY IF RCVD BY 9:00 AM TAT 1 100% SURCHARGE NEXT BUSINESS DAY TAT 2 50% SURCHARGE 2ND BUSINESS DAY TAT 3 30% SURCHARGE 3RD BUSINESS DAY TAT 4 20% SURCHARGE 4TH BUSINESS DAY TAT 5 NO SURCHARGE 5-7 BUSINESS DAY 5:30 PM TAT 10 10% DISCOUNT 10th BUSINESS DAY 5:30 PM		Material: 1=Glass 2=Plastic 3=Metal Preservatives: 1=HCl, 2=HNO3 3=H2SO4 4=4°C 5=Zn(Ac)2 6=NaOH 7=Na2S2O4 For RUSH TOLP/STLC, add 2 days to respective TAT. Subcon. TAT is 10-15 business days. Dioxin and Furans 21 business days.																																																																											

Pg 2 of 3

Page 33 of 34

Pg 3 of 3

Pg _____ of _____

ADVANCED TECHNOLOGY LABORATORIES

3275 Walnut Ave., Signal Hill, CA 90755

Tel: (562) 989-4045 • Fax: (562) 989-4040

Method of Transport

☐ Client

☐ FedEx

☐ GSO

☐ Other:

☒ ATL

☐ OnTrac

Sample Condition Upon Receipt

☐ 1. CHILLED

☐ 2. HEADSPACE (VOA)

☐ 3. CONTAINER INTACT

☐ Y

☐ N

☐ 4. SEALED

☐ 5. # OF SPLS MATCH COC

☐ 6. PRESERVED

☐ Y

☐ N

☐ Y

☐ N

☐ Y

☐ N

FOR LABORATORY USE ONLY:

Sample Condition Upon Receipt

☐ 1. CHILLED

☐ 2. HEADSPACE (VOA)

☐ 3. CONTAINER INTACT

☐ Y

☐ N

☐ 4. SEALED

☐ 5. # OF SPLS MATCH COC

☐ 6. PRESERVED

☐ Y

☐ N

☐ Y

☐ N

Method of Transport

☐ Client

☐ FedEx

☐ GSO

☐ Other:

☒ ATL

☐ OnTrac

Sample Condition Upon Receipt

☐ 1. CHILLED

☐ 2. HEADSPACE (VOA)

☐ 3. CONTAINER INTACT

☐ Y

☐ N

☐ 4. SEALED

☐ 5. # OF SPLS MATCH COC

☐ 6. PRESERVED

☐ Y

☐ N

☐ Y

☐ N

FOR LABORATORY USE ONLY:

Sample Condition Upon Receipt

☐ 1. CHILLED

☐ 2. HEADSPACE (VOA)

☐ 3. CONTAINER INTACT

☐ Y

☐ N

☐ 4. SEALED

☐ 5. # OF SPLS MATCH COC

☐ 6. PRESERVED

☐ Y

☐ N

☐ Y

☐ N

Client: Geocon Inc.

Attn: Elizabeth Miller/Ben Costman

Project #: 9524-06

Relinquished by: (Signature and Printed Name)

Relinquished by: (Signature and Printed Name)

Relinquished by: (Signature and Printed Name)

Address: 60960 Flinders Dr.

City: San Diego

State: CA

Zip Code: 92121

Date: 6/21/13

Date: 6/21/13

Date: 6/21/13

Time: 14:43

Time: 14:43

Time: 17:55

Received by: (Signature and Printed Name)

Received by: (Signature and Printed Name)

Received by: (Signature and Printed Name)

Special Instructions/Comments:

Special Instructions/Comments:

Special Instructions/Comments:

Sample Report To:

Attn: Same

Company: Same

Address: Same

City: Same

Sample Description

Sample I.D. / Location

Lab No.

Sample I.D. / Location

Lab No.

1 BUSINESS HOURS

8:30 am to 5:30 pm

1301855-21

B23-0.5

1339

2

1343

B23-2.0

1343

3

1350

B24-0.5

1350

4

1358

B24-2.0

1408

5

1410

B25-0.5

1410

6

1423

B25-2.0

1423

7

1432

AST 1-0.5

1432

8

1435

AST 2-0.5

1435

9

AST 2-2.0

10

Container Types:

1=Tube

2=VOA

3=Liter

4=Pin

5=Jar

6=Tedlar

7=Canister

Material:

1=Glass

2=Plastic

3=Metal

Preservatives:

1=HCl

2=HNO3

3=H2SO4

4=4°C

5=Zn(Ac)2

6=NaOH

7=Na2S2O4

For RUSH TOLP/STLC: add 2 days to respective TAT.

Subcon TAT is 10-15 business days. Dioxin and Furans 21 business days.

June 27, 2013

Elizabeth Miller
Geocon Consultants, Inc.
6960 Flanders Drive
San Diego, CA 92121
Tel: (858) 558-6100
Fax: (858) 558-8437


ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Re: ATL Work Order Number : 1301855
Client Reference : Valiano, 9524-06-04

Enclosed are the results for sample(s) received on June 21, 2013 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,



Eddie Rodriguez
Laboratory Director

The cover letter and the case narrative are an integral part of this analytical report and its absence renders the report invalid. Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or applicable state-specific certification programs. The report cannot be reproduced without written permission from the client and Advanced Technology Laboratories.



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/27/2013

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AST2 - 2.0	1301855-29	Soil	6/21/13 14:35	6/21/13 14:48



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/27/2013

Client Sample ID AST2 - 2.0

Lab ID: 1301855-29

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	510	10	NA	1	B3F0535	06/26/2013	06/26/13 14:18	
ORO	430	10	NA	1	B3F0535	06/26/2013	06/26/13 14:18	
<i>Surrogate: p-Terphenyl</i>	98.7 %		55 - 153		B3F0535	06/26/2013	06/26/13 14:18	

QUALITY CONTROL SECTION

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
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Batch B3F0535 - GCSEMI_DRO

Blank (B3F0535-BLK1)

Prepared: 6/26/2013 Analyzed: 6/26/2013

DRO	ND	10		NR					
ORO	ND	10		NR					
<i>Surrogate: p-Terphenyl</i>	88.64		80.0000	111	55 - 153				

LCS (B3F0535-BS1)

Prepared: 6/26/2013 Analyzed: 6/26/2013

DRO	1240.59	10	1000.00	124	65 - 151				
<i>Surrogate: p-Terphenyl</i>	97.32		80.0000	122	55 - 153				

Matrix Spike (B3F0535-MS1)

Source: 1301855-29

Prepared: 6/26/2013 Analyzed: 6/26/2013

DRO	1871.16	10	1000.00	512.600	136	45 - 168			
<i>Surrogate: p-Terphenyl</i>	94.85		80.0000	119	55 - 153				

Matrix Spike Dup (B3F0535-MSD1)

Source: 1301855-29

Prepared: 6/26/2013 Analyzed: 6/26/2013

DRO	1829.50	10	1000.00	512.600	132	45 - 168	2.25	20	
<i>Surrogate: p-Terphenyl</i>	79.40		80.0000	99.2	55 - 153				



Certificate of Analysis

Geocon Consultants, Inc.
6960 Flanders Drive
San Diego , CA 92121

Project Number : Valiano, 9524-06-04
Report To : Elizabeth Miller
Reported : 06/27/2013

Notes and Definitions

ND	Analyte not detected at or above reporting limit
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.

Diane Galvan

From: Elizabeth Miller [miller@geoconinc.com]
Sent: Wednesday, June 26, 2013 10:06 AM
To: Diane Galvan
Cc: Ben Eastman
Subject: RE: Results/Invoice - Valiano (1301855)

Hi Diane,
May I please have you run soil sample AST2-2.0 for ORO and DRO using EPA Test Method 8015B on a 24 Hour TAT?

Thank you!
Elizabeth



Elizabeth Miller | Senior Staff Geologist
Geocon Incorporated
6960 Flanders Drive, San Diego, CA 92121-2974
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www.geoconinc.com

you.