

CHAIN OF CUSTODY RECORD

Pg 4 of 4



**Advanced Technology
Laboratories**

3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#: _____

Logged By: _____

Date: _____

Method of Transport

Client ☐
ATL ☒
CA OverN ☐
FEDEX ☐
Other: _____

Sample Condition Upon Receipt

1. CHILLED Y ☒ N ☐ 4. CUSTODY SEAL Y ☐ N ☒
2. HEADSPACE (VOA) Y ☐ N ☐ 5. # OF SPLS MATCH COC Y ☒ N ☐
3. CONTAINER INTACT Y ☒ N ☐ 6. PRESERVED Y ☐ N ☐

Client: GEOCON ENVIRONMENTAL - SAN DIEGO

Attn: Matt Lesh

Address: 6970 Flanders Drive

City San Diego

State CA

Zip Code 92121

TEL: (858) 558 - 6100

FAX: 858) 558 - 8437

Project Name: Warner Ranch Project #: 095103-9530-06-03 Sampler: Matthew Lesh (Printed Name)

Relinquished by: Elizabet (Signature and Printed Name) Date: 9/2/11 Time: 1005 Received by: Matthew Lesh (Signature and Printed Name) Date: 9/2/11 Time: 1005

Relinquished by: Matthew Lesh (Signature and Printed Name) Date: 9/2/11 Time: 1410 Received by: Matthew Lesh (Signature and Printed Name) Date: 9/2/11 Time: 1710

Relinquished by: _____ (Signature and Printed Name) Date: _____ Time: _____ Received by: _____ (Signature and Printed Name) Date: _____ Time: _____

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter: Matthew Lesh

Send Report To:

Attn: _____

Co: same

Address _____

City _____

State _____

Zip _____

Bill To:

Attn: _____

Co: same

Address _____

City _____

State _____

Zip _____

Special Instructions/Comments:

B6S-1 & B6S-2 only
run for 6010 Arsenic.
Not pesticides.

Sample/Records - Archival & Disposal

Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):

- Sample : \$2.00 / sample / mo (after 45 days)
- Records : \$1.00 / ATL workorder / mo (after 1 year)

ITEM	LAB USE ONLY:		Sample Description			
	Batch #:	Lab No.	Sample I.D. / Location	Date	Time	
		119690 ~	B16-0.0-0.5	9/1	1207	
		m	B16-2.0-2.5	1	1212	
		33	B6S #1	1	1307	
		34	B6S #2	1	1343	

Circle or Add Analysis(es) Requested										SPECIFY APPROPRIATE MATRIX				PRESERVATION	QA / QC		
															RTNE	<input type="checkbox"/>	
															CT	<input type="checkbox"/>	
															SWRCB	<input type="checkbox"/>	
														Logcode			
														OTHER			
														REMARKS			

September 20, 2011



Matt Lesh
Geocon Consultants, Inc.
6960 Flanders Drive
San Diego, CA 92121
TEL: (619) 818-0216
FAX: (858) 558-8437

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

Workorder No.: 119690

RE: Warner Ranch, 09536-06-03

Attention: Matt Lesh

Enclosed are the results for sample(s) received on September 02, 2011 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

This is an addendum report. Please incorporate with documentation previously submitted.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 20-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-014A

Client Sample ID: B7-1.0
Collection Date: 9/1/2011 9:55:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID:	QC Batch:	75577	PrepDate:	9/15/2011	Analyst:	HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/15/2011 08:35 PM	
4,4'-DDE	ND	2.0	µg/Kg	1	9/15/2011 08:35 PM	
4,4'-DDT	ND	2.0	µg/Kg	1	9/15/2011 08:35 PM	
Aldrin	ND	1.0	µg/Kg	1	9/15/2011 08:35 PM	
alpha-BHC	ND	1.0	µg/Kg	1	9/15/2011 08:35 PM	
alpha-Chlordane	ND	1.0	µg/Kg	1	9/15/2011 08:35 PM	
beta-BHC	ND	1.0	µg/Kg	1	9/15/2011 08:35 PM	
Chlordane	ND	8.5	µg/Kg	1	9/15/2011 08:35 PM	
delta-BHC	ND	1.0	µg/Kg	1	9/15/2011 08:35 PM	
Dieldrin	8.7	2.0	µg/Kg	1	9/15/2011 08:35 PM	
Endosulfan I	ND	1.0	µg/Kg	1	9/15/2011 08:35 PM	
Endosulfan II	ND	2.0	µg/Kg	1	9/15/2011 08:35 PM	
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/15/2011 08:35 PM	
Endrin	ND	2.0	µg/Kg	1	9/15/2011 08:35 PM	
Endrin aldehyde	ND	2.0	µg/Kg	1	9/15/2011 08:35 PM	
Endrin ketone	ND	2.0	µg/Kg	1	9/15/2011 08:35 PM	
gamma-BHC	ND	1.0	µg/Kg	1	9/15/2011 08:35 PM	
gamma-Chlordane	ND	1.0	µg/Kg	1	9/15/2011 08:35 PM	
Heptachlor	ND	1.0	µg/Kg	1	9/15/2011 08:35 PM	
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/15/2011 08:35 PM	
Methoxychlor	ND	5.0	µg/Kg	1	9/15/2011 08:35 PM	
Toxaphene	ND	50	µg/Kg	1	9/15/2011 08:35 PM	
Surr: Decachlorobiphenyl	71.8	31-107	%REC	1	9/15/2011 08:35 PM	
Surr: Tetrachloro-m-xylene	61.6	35-108	%REC	1	9/15/2011 08:35 PM	

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 20-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-026A

Client Sample ID: B13-2.0-2.5
Collection Date: 9/1/2011 12:45:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			EPA 6010B		
RunID: ICP8_110919A	QC Batch: 75647			PrepDate: 9/19/2011		Analyst: CBB
Arsenic	ND	1.0		mg/Kg	1	9/19/2011 02:24 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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CLIENT: Geocon Consultants, Inc.
Work Order: 119690
Project: Warner Ranch, 09536-06-03

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: MB-75647	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/19/2011	RunNo: 136777						
Client ID: PBS	Batch ID: 75647	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 9/19/2011	SeqNo: 2243012						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	ND	1.0									

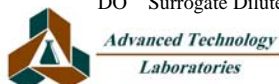
Sample ID: LCS-75647	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/19/2011	RunNo: 136777						
Client ID: LCSS	Batch ID: 75647	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 9/19/2011	SeqNo: 2243013						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	45.273	1.0	50.00	0	90.5	80	120				

Sample ID: 119690-026A-MS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/19/2011	RunNo: 136777						
Client ID: B13-2.0-2.5	Batch ID: 75647	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 9/19/2011	SeqNo: 2243015						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	99.635	1.0	125.0	0	79.7	57	103				

Sample ID: 119690-026A-MSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/19/2011	RunNo: 136777						
Client ID: B13-2.0-2.5	Batch ID: 75647	TestNo: EPA 6010B	EPA 3050B	Analysis Date: 9/19/2011	SeqNo: 2243016						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	88.863	1.0	125.0	0	71.1	57	103	99.63	11.4	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Geocon Consultants, Inc.
Work Order: 119690
Project: Warner Ranch, 09536-06-03

ANALYTICAL QC SUMMARY REPORT

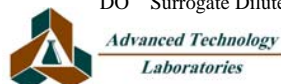
TestCode: 8081_S

Sample ID: MB-75577	SampType: MBLK	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/15/2011	RunNo: 136719						
Client ID: PBS	Batch ID: 75577	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/15/2011	SeqNo: 2241704						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	5.0									
Toxaphene	ND	50									
Surr: Tetrachloro-m-xylene	11.247		16.67		67.5	35	108				
Surr: Decachlorobiphenyl	11.807		16.67		70.8	31	107				

Sample ID: LCS-75577	SampType: LCS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/15/2011	RunNo: 136719						
Client ID: LCSS	Batch ID: 75577	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/15/2011	SeqNo: 2241705						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	11.387	1.0	16.67	0	68.3	59	105				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



Advanced Technology Laboratories
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CLIENT: Geocon Consultants, Inc.
Work Order: 119690
Project: Warner Ranch, 09536-06-03

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

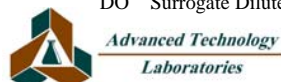
Sample ID: LCS-75577	SampType: LCS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/15/2011	RunNo: 136719						
Client ID: LCSS	Batch ID: 75577	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/15/2011	SeqNo: 2241705						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	11.623	2.0	16.67	0	69.7	56	112				
Endrin	10.965	2.0	16.67	0	65.8	53	116				
gamma-BHC	11.411	1.0	16.67	0	68.5	59	110				
Heptachlor	11.667	1.0	16.67	0	70.0	53	118				
Surr: Tetrachloro-m-xylene	11.386		16.67		68.3	35	108				
Surr: Decachlorobiphenyl	11.957		16.67		71.7	31	107				

Sample ID: 119684-024AMS	SampType: MS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/15/2011	RunNo: 136719						
Client ID: ZZZZZZ	Batch ID: 75577	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/15/2011	SeqNo: 2241706						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	13.546	2.0	16.67	0	81.3	38	130				
Aldrin	13.162	1.0	16.67	0	79.0	35	122				
Dieldrin	13.714	2.0	16.67	0	82.3	31	138				
Endrin	13.556	2.0	16.67	0	81.3	39	132				
gamma-BHC	13.253	1.0	16.67	0	79.5	36	126				
Heptachlor	13.217	1.0	16.67	0	79.3	34	131				
Surr: Tetrachloro-m-xylene	12.237		16.67		73.4	35	108				
Surr: Decachlorobiphenyl	13.810		16.67		82.8	31	107				

Sample ID: 119684-024AMSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/15/2011	RunNo: 136719						
Client ID: ZZZZZZ	Batch ID: 75577	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/15/2011	SeqNo: 2241707						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	13.491	2.0	16.67	0	80.9	38	130	13.55	0.412	20	
Aldrin	13.026	1.0	16.67	0	78.1	35	122	13.16	1.04	20	
Dieldrin	13.625	2.0	16.67	0	81.7	31	138	13.71	0.652	20	
Endrin	13.536	2.0	16.67	0	81.2	39	132	13.56	0.145	20	
gamma-BHC	13.143	1.0	16.67	0	78.8	36	126	13.25	0.830	20	
Heptachlor	13.645	1.0	16.67	0	81.9	34	131	13.22	3.18	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



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CLIENT: Geocon Consultants, Inc.
Work Order: 119690
Project: Warner Ranch, 09536-06-03

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: 119684-024AMSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/15/2011	RunNo: 136719						
Client ID: ZZZZZZ	Batch ID: 75577	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/15/2011	SeqNo: 2241707						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	12.335		16.67		74.0	35	108		0	0	
Surr: Decachlorobiphenyl	13.659		16.67		81.9	31	107		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



*Advanced Technology
Laboratories*

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Diane Galvan

From: Matt Lesh [lesh@geoconinc.com]
Sent: Tuesday, September 13, 2011 1:12 PM
To: Diane Galvan
Subject: RE: Results - Warner Ranch (119690)

Thanks Diane,

Can you please analyze sample B7-1.0 for OCPs and sample B13=2.0-2.5 for Arsenic on a 5-day TAT. Both of these samples were initially noted on the COC to HOLD.

Matt



Matthew Lesh | Project Geologist

Geocon Incorporated

6960 Flanders Drive, San Diego, CA 92121-2974

Tel 858.558.6900 Fax 858.558.6159 Cell 619.818.0216

www.geoconinc.com

APPENDIX J6

Limited Pesticide Assessment – October 2011



Project No. 09536-06-03
September 30, 2011
Revised October 14, 2011

Capstone Advisors
1545 Faraday Avenue
Carlsbad, California 92008

Attention: Mr. Mark Hayden

Subject: LIMITED PESTICIDE ASSESSMENT
WARNER RANCH
10950 PALA ROAD
SAN DIEGO COUNTY, CALIFORNIA

Dear Mr. Hayden:

In accordance with your request and our proposal dated August 19, 2011, Geocon Incorporated has prepared this Limited Pesticide Assessment report for Warner Ranch, 10950 Pala Road (the Site) in San Diego County, California (Figure 1). The assessment was performed to evaluate the Site for the presence of residual pesticides in shallow soil due to the historical and current agricultural use of the Site. The assessment included conducting soil sampling activities, performing laboratory analysis, and preparation of this report.

SITE DESCRIPTION AND BACKGROUND

The Site currently consists of approximately 500 acres of land to the north of State Route 76 and west of Pala-Temecula Road that is proposed to be redeveloped as a residential community. Approximately 90 acres of the Site has been and is currently used to grow avocados and oranges. The remainder of the Site consists of pastures and undeveloped land. A number of structures associated with farming activities and residences are present in the southern portion of the Site.

We prepared a Phase I Environmental Site Assessment (ESA) for a 420 acre portion of the Site in May 2005. Review of historic aerial photographs of the Site indicated that four distinct areas contained in this portion of the Site have been and are currently used for agricultural purposes. This includes orange groves in the southwestern and south-central portions of the Site and avocado groves in the central and northwestern portions of the Site. Based on our findings, we recommended performing preliminary assessment of portions of the Site that have sustained agricultural activities.

We also prepared a Phase I ESA for an 80 acre portion of the Site (located in the north-central area of the current Site) in June 2006. Based on review of aerial photographs, this area of the Site has been and is currently undeveloped and evidence of historical agricultural use was not apparent. Based on

our findings associated with the ESA, we did not identify any recognized environmental conditions in this area of the Site and no additional assessment was recommended.

We understand that the County of San Diego (County) issued a series of comments in May 2011 following review of a recent draft Environmental Impact Report (EIR) prepared for the Site by Affinis. Included in the comments was a request from the County to perform assessment activities at the Site to evaluate the Site for the presence of impacted soil due to agricultural uses. The County further requested that the assessment include the collection of soil samples in the areas where pesticides may have been mixed or applied to the Site (such as historical orchards) and in the locations of the proposed future residences.

Based on review of the proposed development plans and conversations with you, we understand that only the two orange groves (approximately 12 and 14 acres in size) in the southern portion of the Site are within the proposed residential development limits and that the two avocado groves in the northern portion of the Site are outside the limits and will remain following completion of the development. As such, our assessment was limited to the two groves in the southern portion of the Site.

PURPOSE AND SCOPE OF SERVICES

The purpose of the assessment was to collect and analyze soil samples in accordance with the County's comments to evaluate if pesticides are present in the onsite shallow soils above regulatory screening levels within the proposed development limits. The scope of services associated with the assessment is summarized below.

- On September 1, 2011 we advanced 16 hand auger borings (B1 to B16) within the two orange groves in the southern portion of the Site (Figure 2). Eight borings were located within each of the groves at the approximate center of a grid system consisting of rectangular grids approximately 350 feet by 200 feet.
- Two soil samples were collected from each boring at depths of 0 to 0.5-foot and 1 to 2.5 feet, depending on the depth at which refusal was encountered on bedrock.
- We submitted the 0 to 0.5-foot samples to Advanced Technology Laboratories (ATL), a state-certified laboratory, for analysis of organochlorine pesticides (OCPs) by Environmental Protection Agency (EPA) Test Method 8081A and Arsenic by EPA Test Method 6010B. The deeper samples collected from the borings were initially held by ATL pending the results of the 0 to 0.5-foot samples. After review of the initial analytical results, the deeper sample collected from boring B7 was analyzed for OCPs and the deeper sample from B13 was analyzed for arsenic (Table 1).
- Two surface samples (BGS1 and BGS2) were collected from onsite locations outside the limits of areas of the Site used for agricultural purposes. Sample BGS1 was collected from an exposed slope adjacent to Temapala Road and sample BGS2 was collected from an exposed slope along an unimproved road approximately 0.5-mile north of boring B3 (Figure 2). The samples were submitted to ATL for analysis of arsenic to provide site-specific background levels for comparison to reported concentrations within the orange groves as this metal has been documented to be naturally occurring in some areas of southern California.

RESULTS AND ANALYSIS

Pesticides

The analytical results are summarized on attached Table 1 and reproductions of the laboratory reports and chain-of-custody documentation are also attached. The laboratory analytical results for analysis of OCPs are summarized below:

- Total chlordane was detected in 4 of the 17 samples analyzed for OCPs at concentrations ranging from 30.4 to 221 micrograms per kilogram ($\mu\text{g/kg}$).
- Dieldrin was detected in 7 of the 17 samples analyzed for OCPs at concentrations ranging from 2.5 to 39 $\mu\text{g/kg}$.
- Other OCPs were not detected at concentrations above the laboratory reporting limit for all of the soil samples analyzed.

As summarized on Table 1, we compared the reported concentrations of pesticides with regulatory health risk-based soil screening levels developed by the State of California (the California Human Health Screening Levels - CHHSLs) and the EPA (the Regional Screening Levels - RSLs). All reported pesticide concentrations in the shallow soils on the Site are less than the residential land use screening levels for direct exposure to soil with the exception of the reported concentration of dieldrin of 39 $\mu\text{g/kg}$ in the soil sample collected from boring B7 at a depth of 0 to 0.5-foot. This concentration slightly exceeds the RSL of 30 $\mu\text{g/kg}$ and CHHSL of 35 $\mu\text{g/kg}$. The vertical extent of pesticides above residential screening levels appears to be limited to a maximum depth of 1.5 feet as the sample collected at 1.0 to 1.5 feet at this location was reported with a dieldrin concentration of 8.7 $\mu\text{g/kg}$, which is well below the screening levels.

We also compared the reported pesticide concentrations with risk-based groundwater protection soil screening levels (part of the RSLs) to evaluate if the pesticides in soil pose a potential threat to groundwater beneath the Site. As shown in Table 1, the detectable concentrations of chlordane and dieldrin do exceed their respective risk-based groundwater protection soil screening levels. As summarized in our 2005 Phase I ESA for the Site, groundwater level measurements by others in 2003 from five extraction wells along Pala Road indicated depths to groundwater ranging from 22 to 30 feet. Groundwater levels beneath the orange groves in the southern portion of the Site are generally expected to be similar after adjusting for local elevation changes.

Arsenic

Arsenic was reported above the laboratory reporting limit in 9 of the 17 soil samples at concentrations ranging from 1.5 to 17 milligrams per kilogram (mg/kg). Arsenic was below the laboratory reporting limit in both of the background samples, BGS1 and BGS2. This suggests that soil conditions in the area of the background samples may not be representative of shallow soil in the orange groves. However, as summarized on Table 1, all of the reported concentrations are below the regional background arsenic concentration of 12 mg/kg for southern California as determined by the Department of Toxic Substances Control with the exception of the soil sample collected from boring B13 at a depth of 0 to 0.5-foot (17 mg/kg). The vertical extent of arsenic above regional background

levels appears to be limited to a maximum depth of 2.5 feet as the sample collected at 2.0 to 2.5 feet at this location was not reported with an arsenic concentration above the laboratory reporting limit.

CONCLUSIONS AND RECOMMENDATIONS

The results of the limited soil sampling and analysis conducted at the Site indicate what appear to be localized areas of shallow soil impacted with pesticide concentrations above residential screening levels and arsenic concentrations above regional background levels are present on the Site.

Although the reported pesticide concentrations exceed risk-based screening levels for groundwater protection, based on the expected depth of groundwater and the shallow depth of the reported pesticides, it is our opinion that there is a low likelihood that the pesticides have migrated vertically and have impacted groundwater and that future impacts to groundwater are unlikely given the proposed future site use as a residential development.

We recommend enrolling in the Voluntary Assistance Program at the County of San Diego Department of Environmental Health for their review and comment on environmental investigations conducted at the Site and oversight of proposed remedial actions (i.e. onsite soil reuse or offsite disposal) to mitigate the pesticide and arsenic impacted soil as part of site grading operations.

We appreciate the opportunity to assist you on this project. Please call us if you have any questions.

Very truly yours,

GEOCON INCORPORATED



Matthew Lesh
Project Geologist



Joseph J. Vettel
President



MWL:JJV

Attachments: Figure 1, Site Location Map
 Figure 2, Site Plan
 Table 1, Summary of Arsenic and Pesticide Results
 Analytical Laboratory Reports

- (2) Addressee
- (1) Affinis, Mr. Mike Busdosh



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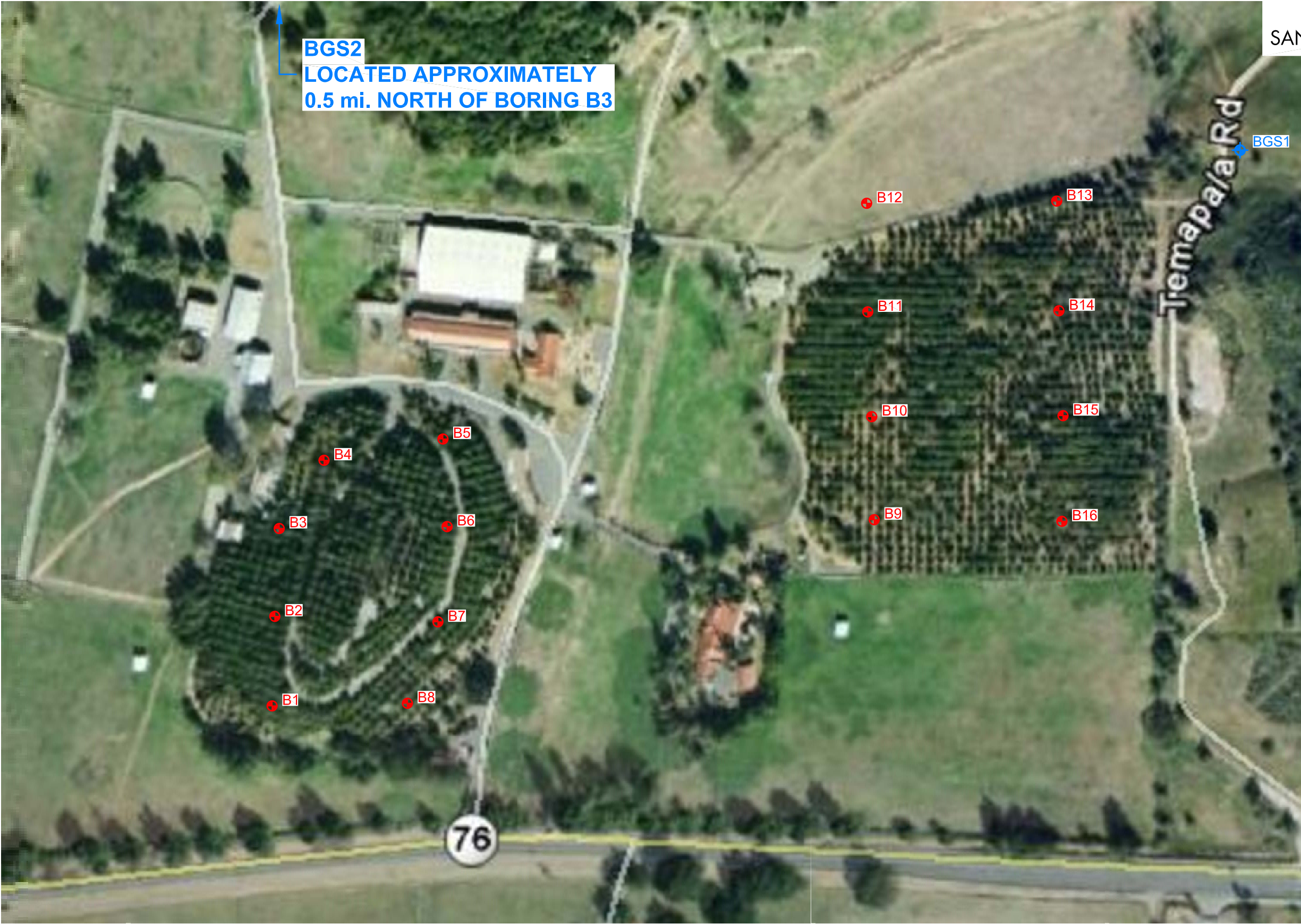


GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE 858 558-6900 - FAX 858 558-6159

VICINITY MAP

DATE October 2011

WARNER RANCH
SAN DIEGO COUNTY, CALIFORNIA



APPROX. SCALE: 1" = 200'

GEOCON LEGEND

B16APPROX. LOCATION OF BORING

BGS1APPROX. LOCATION OF SITE-SPECIFIC
BACKGROUND SOIL SAMPLE

GEOCON
INCORPORATED

GEOTECHNICAL ■ ENVIRONMENTAL ■ MATERIALS
6960 FLANDERS DRIVE - SAN DIEGO, CALIFORNIA 92121 - 2974
PHONE 858 558-6900 - FAX 858 558-6159
PROJECT NO. 09536 - 06 - 03



SITE PLAN FIGURE 2
DATE OCTOBER 2011

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TABLE 1
 SUMMARY OF ARSENIC AND PESTICIDE RESULTS
 Warner Ranch
 San Diego County, California

Boring ID	Depth (feet)	Arsenic (mg/kg)	Total Chlordane (µg/kg)	Dieldrin (µg/kg)	Other Organochlorine Pesticides
AGRICULTURAL AREA SAMPLES					
B1	0-0.5	<1.0	<8.5	2.5	ND
B2	0-0.5	<1.0	<8.5	<2.0	ND
B3	0-0.5	5.4	<8.5	<2.0	ND
B4	0-0.5	1.5	<8.5	<2.0	ND
B5	0-0.5	<1.0	<8.5	<2.0	ND
B6	0-0.5	<1.0	<8.5	<2.0	ND
B7	0-0.5	<1.0	105.2	39	ND
B7	1.0-1.5	--	<8.5	8.7	
B8	0-0.5	5.3	<8.5	2.5	ND
B9	0-0.5	4.7	<8.5	<2.0	ND
B10	0-0.5	2.9	<8.5	<2.0	ND
B11	0-0.5	<1.0	<8.5	<2.0	ND
B12	0-0.5	<1.0	<8.5	<2.0	ND
B13	0-0.5	17	221	7.1	ND
B13	2-2.5	<1.0	--	--	--
B14	0-0.5	7.9	<8.5	11	ND
B15	0-0.5	11	42	3.8	ND
B16	0-0.5	3.3	30.4	<2.0	ND
SITE-SPECIFIC BACKGROUND SAMPLES					
BGS 1	Surface	<1.0	--	--	--
BGS 2	Surface	<1.0	--	--	--
<u>RSLs</u>					
Residential		0.39	1,600	30	-
Risk Based for Protection of Groundwater		0.0013	13	0.17	-
<u>CHHSLs</u>					
Residential		0.070	430	35	-
<u>BACKGROUND</u>		12 ⁽¹⁾			

Notes:

-- = not analyzed
 mg/kg = milligrams per kilogram
 µg/kg = micrograms per kilogram
 < = less than the laboratory reporting limit
 ND = not detected at or above the laboratory reporting limit
 RSLs = Regional Screening Level Table (RSL) from the Environmental Protection Agency, last updated JUNE 2011
 CHHSLs = California Human Health Screening Levels (CHHSLs) from the California Environmental Protection Agency
BOLD = concentration exceeds compound specific RSL or CHHSL and published regional background concentrations
 (1) = based upon the report prepared by the Department of Toxic Substances Control entitled *Determination of a of a Southern California Regional Background Arsenic Concentration in Soil*, dated March 2008

September 13, 2011



Matt Lesh
Geocon Consultants, Inc.
6960 Flanders Drive
San Diego, CA 92121
TEL: (619) 818-0216
FAX: (858) 558-8437

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

Workorder No.: 119690

RE: Warner Ranch, 09536-06-03

Attention: Matt Lesh

Enclosed are the results for sample(s) received on September 02, 2011 by Advanced Technology Laboratories . The sample(s) are tested for the parameters as indicated in the enclosed chain of custody in accordance with the applicable laboratory certifications.

Thank you for the opportunity to service the needs of your company.

Please feel free to call me at (562)989-4045 if I can be of further assistance to your company.

Sincerely,

A handwritten signature in black ink, appearing to read "E. Rodriguez".

Eddie F. Rodriguez
Laboratory Director

The cover letter is an integral part of this analytical report. This Laboratory Report cannot be reproduced in part or in its entirety without written permission from the client and Advanced Technology Laboratories.



Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-001A

Client Sample ID: B1-0.0-0.5
Collection Date: 9/1/2011 9:20:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909C	QC Batch: 75387			PrepDate: 9/8/2011	Analyst: IL
Arsenic	ND	1.0	mg/Kg	1	9/9/2011 01:52 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 06:07 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 06:07 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 06:07 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 06:07 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:07 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 06:07 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:07 PM
Chlordane	ND	8.5	µg/Kg	1	9/8/2011 06:07 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:07 PM
Dieldrin	2.5	2.0	µg/Kg	1	9/8/2011 06:07 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 06:07 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 06:07 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 06:07 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 06:07 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 06:07 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 06:07 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:07 PM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 06:07 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 06:07 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 06:07 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 06:07 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 06:07 PM
Surr: Decachlorobiphenyl	79.0	31-107	%REC	1	9/8/2011 06:07 PM
Surr: Tetrachloro-m-xylene	78.6	35-108	%REC	1	9/8/2011 06:07 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-003A

Client Sample ID: B2-0.0-0.5
Collection Date: 9/1/2011 9:05:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
EPA 3050B						
RunID: ICP8_110909C	QC Batch: 75387				PrepDate: 9/8/2011	Analyst: IL
Arsenic	ND	1.0		mg/Kg	1	9/9/2011 04:16 PM
ORGANOCHLORINE PESTICIDES BY GC/ECD						
EPA 3550B						
RunID: GC10_110908A	QC Batch: 75396				PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0		µg/Kg	1	9/8/2011 06:21 PM
4,4'-DDE	ND	2.0		µg/Kg	1	9/8/2011 06:21 PM
4,4'-DDT	ND	2.0		µg/Kg	1	9/8/2011 06:21 PM
Aldrin	ND	1.0		µg/Kg	1	9/8/2011 06:21 PM
alpha-BHC	ND	1.0		µg/Kg	1	9/8/2011 06:21 PM
alpha-Chlordane	ND	1.0		µg/Kg	1	9/8/2011 06:21 PM
beta-BHC	ND	1.0		µg/Kg	1	9/8/2011 06:21 PM
Chlordane	ND	8.5		µg/Kg	1	9/8/2011 06:21 PM
delta-BHC	ND	1.0		µg/Kg	1	9/8/2011 06:21 PM
Dieldrin	ND	2.0		µg/Kg	1	9/8/2011 06:21 PM
Endosulfan I	ND	1.0		µg/Kg	1	9/8/2011 06:21 PM
Endosulfan II	ND	2.0		µg/Kg	1	9/8/2011 06:21 PM
Endosulfan sulfate	ND	2.0		µg/Kg	1	9/8/2011 06:21 PM
Endrin	ND	2.0		µg/Kg	1	9/8/2011 06:21 PM
Endrin aldehyde	ND	2.0		µg/Kg	1	9/8/2011 06:21 PM
Endrin ketone	ND	2.0		µg/Kg	1	9/8/2011 06:21 PM
gamma-BHC	ND	1.0		µg/Kg	1	9/8/2011 06:21 PM
gamma-Chlordane	ND	1.0		µg/Kg	1	9/8/2011 06:21 PM
Heptachlor	ND	1.0		µg/Kg	1	9/8/2011 06:21 PM
Heptachlor epoxide	ND	1.0		µg/Kg	1	9/8/2011 06:21 PM
Methoxychlor	ND	5.0		µg/Kg	1	9/8/2011 06:21 PM
Toxaphene	ND	50		µg/Kg	1	9/8/2011 06:21 PM
Surr: Decachlorobiphenyl	68.7	31-107		%REC	1	9/8/2011 06:21 PM
Surr: Tetrachloro-m-xylene	69.5	35-108		%REC	1	9/8/2011 06:21 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-005A

Client Sample ID: B3-0.0-0.5
Collection Date: 9/1/2011 8:59:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909C	QC Batch: 75387			PrepDate: 9/8/2011	Analyst: IL
Arsenic	5.4	1.0	mg/Kg	1	9/9/2011 04:26 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 06:35 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 06:35 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 06:35 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 06:35 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:35 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 06:35 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:35 PM
Chlordane	ND	8.5	µg/Kg	1	9/8/2011 06:35 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:35 PM
Dieldrin	ND	2.0	µg/Kg	1	9/8/2011 06:35 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 06:35 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 06:35 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 06:35 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 06:35 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 06:35 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 06:35 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:35 PM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 06:35 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 06:35 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 06:35 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 06:35 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 06:35 PM
Surr: Decachlorobiphenyl	73.3	31-107	%REC	1	9/8/2011 06:35 PM
Surr: Tetrachloro-m-xylene	70.2	35-108	%REC	1	9/8/2011 06:35 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-007A

Client Sample ID: B4-0.0-0.5
Collection Date: 9/1/2011 8:54:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909C	QC Batch: 75387			PrepDate: 9/8/2011	Analyst: IL
Arsenic	1.5	1.0	mg/Kg	1	9/9/2011 04:29 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 06:49 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 06:49 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 06:49 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 06:49 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:49 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 06:49 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:49 PM
Chlordane	ND	8.5	µg/Kg	1	9/8/2011 06:49 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:49 PM
Dieldrin	ND	2.0	µg/Kg	1	9/8/2011 06:49 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 06:49 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 06:49 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 06:49 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 06:49 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 06:49 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 06:49 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 06:49 PM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 06:49 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 06:49 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 06:49 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 06:49 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 06:49 PM
Surr: Decachlorobiphenyl	81.7	31-107	%REC	1	9/8/2011 06:49 PM
Surr: Tetrachloro-m-xylene	83.6	35-108	%REC	1	9/8/2011 06:49 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Laboratories

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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-009A

Client Sample ID: B5-0.0-0.5
Collection Date: 9/1/2011 10:38:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909C	QC Batch: 75387				PrepDate: 9/8/2011	Analyst: IL
Arsenic	ND	1.0		mg/Kg	1	9/9/2011 04:32 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396				PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0		µg/Kg	1	9/8/2011 07:03 PM
4,4'-DDE	ND	2.0		µg/Kg	1	9/8/2011 07:03 PM
4,4'-DDT	ND	2.0		µg/Kg	1	9/8/2011 07:03 PM
Aldrin	ND	1.0		µg/Kg	1	9/8/2011 07:03 PM
alpha-BHC	ND	1.0		µg/Kg	1	9/8/2011 07:03 PM
alpha-Chlordane	ND	1.0		µg/Kg	1	9/8/2011 07:03 PM
beta-BHC	ND	1.0		µg/Kg	1	9/8/2011 07:03 PM
Chlordane	ND	8.5		µg/Kg	1	9/8/2011 07:03 PM
delta-BHC	ND	1.0		µg/Kg	1	9/8/2011 07:03 PM
Dieldrin	ND	2.0		µg/Kg	1	9/8/2011 07:03 PM
Endosulfan I	ND	1.0		µg/Kg	1	9/8/2011 07:03 PM
Endosulfan II	ND	2.0		µg/Kg	1	9/8/2011 07:03 PM
Endosulfan sulfate	ND	2.0		µg/Kg	1	9/8/2011 07:03 PM
Endrin	ND	2.0		µg/Kg	1	9/8/2011 07:03 PM
Endrin aldehyde	ND	2.0		µg/Kg	1	9/8/2011 07:03 PM
Endrin ketone	ND	2.0		µg/Kg	1	9/8/2011 07:03 PM
gamma-BHC	ND	1.0		µg/Kg	1	9/8/2011 07:03 PM
gamma-Chlordane	ND	1.0		µg/Kg	1	9/8/2011 07:03 PM
Heptachlor	ND	1.0		µg/Kg	1	9/8/2011 07:03 PM
Heptachlor epoxide	ND	1.0		µg/Kg	1	9/8/2011 07:03 PM
Methoxychlor	ND	5.0		µg/Kg	1	9/8/2011 07:03 PM
Toxaphene	ND	50		µg/Kg	1	9/8/2011 07:03 PM
Surr: Decachlorobiphenyl	65.9	31-107		%REC	1	9/8/2011 07:03 PM
Surr: Tetrachloro-m-xylene	75.9	35-108		%REC	1	9/8/2011 07:03 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-011A

Client Sample ID: B6-0.0-0.5
Collection Date: 9/1/2011 10:35:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909C	QC Batch: 75387			PrepDate: 9/8/2011	Analyst: IL
Arsenic	ND	1.0	mg/Kg	1	9/9/2011 04:35 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 07:16 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 07:16 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 07:16 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 07:16 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:16 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 07:16 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:16 PM
Chlordane	ND	8.5	µg/Kg	1	9/8/2011 07:16 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:16 PM
Dieldrin	ND	2.0	µg/Kg	1	9/8/2011 07:16 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 07:16 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 07:16 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 07:16 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 07:16 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 07:16 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 07:16 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:16 PM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 07:16 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 07:16 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 07:16 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 07:16 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 07:16 PM
Surr: Decachlorobiphenyl	65.8	31-107	%REC	1	9/8/2011 07:16 PM
Surr: Tetrachloro-m-xylene	68.2	35-108	%REC	1	9/8/2011 07:16 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



Advanced Technology
Laboratories

3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-013A

Client Sample ID: B7-0.0-0.5
Collection Date: 9/1/2011 9:45:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**EPA 3050B****EPA 6010B**

RunID: ICP8_110909C	QC Batch: 75387			PrepDate: 9/8/2011	Analyst: IL
Arsenic	ND	1.0	mg/Kg	1	9/9/2011 04:39 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD**EPA 3550B****EPA 8081A**

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 07:30 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 07:30 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 07:30 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 07:30 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:30 PM
alpha-Chlordane	18	1.0	µg/Kg	1	9/8/2011 07:30 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:30 PM
Chlordane	80	8.5	µg/Kg	1	9/8/2011 07:30 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:30 PM
Dieldrin	39	2.0	µg/Kg	1	9/8/2011 07:30 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 07:30 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 07:30 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 07:30 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 07:30 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 07:30 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 07:30 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:30 PM
gamma-Chlordane	7.2	1.0	µg/Kg	1	9/8/2011 07:30 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 07:30 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 07:30 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 07:30 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 07:30 PM
Surr: Decachlorobiphenyl	77.8	31-107	%REC	1	9/8/2011 07:30 PM
Surr: Tetrachloro-m-xylene	75.0	35-108	%REC	1	9/8/2011 07:30 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-015A

Client Sample ID: B8-0.0-0.5
Collection Date: 9/1/2011 9:50:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909C	QC Batch: 75387			PrepDate: 9/8/2011	Analyst: IL
Arsenic	5.3	1.0	mg/Kg	1	9/9/2011 04:42 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 07:44 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 07:44 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 07:44 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 07:44 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:44 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 07:44 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:44 PM
Chlordane	ND	8.5	µg/Kg	1	9/8/2011 07:44 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:44 PM
Dieldrin	2.5	2.0	µg/Kg	1	9/8/2011 07:44 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 07:44 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 07:44 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 07:44 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 07:44 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 07:44 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 07:44 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:44 PM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 07:44 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 07:44 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 07:44 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 07:44 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 07:44 PM
Surr: Decachlorobiphenyl	74.9	31-107	%REC	1	9/8/2011 07:44 PM
Surr: Tetrachloro-m-xylene	74.5	35-108	%REC	1	9/8/2011 07:44 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-017A

Client Sample ID: B9-0.0-0.5
Collection Date: 9/1/2011 12:06:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**EPA 3050B****EPA 6010B**

RunID: ICP8_110909C	QC Batch: 75387			PrepDate: 9/8/2011	Analyst: IL
Arsenic	4.7	1.0	mg/Kg	1	9/9/2011 04:45 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD**EPA 3550B****EPA 8081A**

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 05:53 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 05:53 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 05:53 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 05:53 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 05:53 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 05:53 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 05:53 PM
Chlordane	ND	8.5	µg/Kg	1	9/8/2011 05:53 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 05:53 PM
Dieldrin	ND	2.0	µg/Kg	1	9/8/2011 05:53 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 05:53 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 05:53 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 05:53 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 05:53 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 05:53 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 05:53 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 05:53 PM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 05:53 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 05:53 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 05:53 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 05:53 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 05:53 PM
Surr: Decachlorobiphenyl	82.2	31-107	%REC	1	9/8/2011 05:53 PM
Surr: Tetrachloro-m-xylene	95.7	35-108	%REC	1	9/8/2011 05:53 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-019A

Client Sample ID: B10-0.0-0.5
Collection Date: 9/1/2011 11:51:00 AM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909C	QC Batch: 75387			PrepDate: 9/8/2011	Analyst: IL
Arsenic	2.9	1.0	mg/Kg	1	9/9/2011 04:48 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 07:58 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 07:58 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 07:58 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 07:58 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:58 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 07:58 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:58 PM
Chlordane	ND	8.5	µg/Kg	1	9/8/2011 07:58 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:58 PM
Dieldrin	ND	2.0	µg/Kg	1	9/8/2011 07:58 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 07:58 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 07:58 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 07:58 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 07:58 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 07:58 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 07:58 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 07:58 PM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 07:58 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 07:58 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 07:58 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 07:58 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 07:58 PM
Surr: Decachlorobiphenyl	71.9	31-107	%REC	1	9/8/2011 07:58 PM
Surr: Tetrachloro-m-xylene	76.3	35-108	%REC	1	9/8/2011 07:58 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories**ANALYTICAL RESULTS**

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-021A

Client Sample ID: B11-0.0-0.5
Collection Date: 9/1/2011 12:12:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS**EPA 3050B****EPA 6010B**

RunID: ICP8_110909C	QC Batch: 75387			PrepDate: 9/8/2011	Analyst: IL
Arsenic	ND	1.0	mg/Kg	1	9/9/2011 01:13 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD**EPA 3550B****EPA 8081A**

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 08:12 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 08:12 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 08:12 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 08:12 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:12 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 08:12 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:12 PM
Chlordane	ND	8.5	µg/Kg	1	9/8/2011 08:12 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:12 PM
Dieldrin	ND	2.0	µg/Kg	1	9/8/2011 08:12 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 08:12 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 08:12 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 08:12 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 08:12 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 08:12 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 08:12 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:12 PM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 08:12 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 08:12 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 08:12 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 08:12 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 08:12 PM
Surr: Decachlorobiphenyl	84.9	31-107	%REC	1	9/8/2011 08:12 PM
Surr: Tetrachloro-m-xylene	88.1	35-108	%REC	1	9/8/2011 08:12 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-023A

Client Sample ID: B12-0.0-0.5
Collection Date: 9/1/2011 12:54:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909G	QC Batch: 75388			PrepDate: 9/8/2011	Analyst: CBB
Arsenic	ND	1.0	mg/Kg	1	9/9/2011 05:11 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 08:26 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 08:26 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 08:26 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 08:26 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:26 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 08:26 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:26 PM
Chlordane	ND	8.5	µg/Kg	1	9/8/2011 08:26 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:26 PM
Dieldrin	ND	2.0	µg/Kg	1	9/8/2011 08:26 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 08:26 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 08:26 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 08:26 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 08:26 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 08:26 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 08:26 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:26 PM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 08:26 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 08:26 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 08:26 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 08:26 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 08:26 PM
Surr: Decachlorobiphenyl	79.8	31-107	%REC	1	9/8/2011 08:26 PM
Surr: Tetrachloro-m-xylene	78.8	35-108	%REC	1	9/8/2011 08:26 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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Advanced Technology Laboratories

ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-025A

Client Sample ID: B13-0.0-0.5
Collection Date: 9/1/2011 12:42:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909G	QC Batch: 75388			PrepDate: 9/8/2011	Analyst: CBB
Arsenic	17	1.0	mg/Kg	1	9/9/2011 05:14 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 09:21 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 09:21 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 09:21 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 09:21 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 09:21 PM
alpha-Chlordane	16	1.0	µg/Kg	1	9/8/2011 09:21 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 09:21 PM
Chlordane	180	8.5	µg/Kg	1	9/8/2011 09:21 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 09:21 PM
Dieldrin	7.1	2.0	µg/Kg	1	9/8/2011 09:21 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 09:21 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 09:21 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 09:21 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 09:21 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 09:21 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 09:21 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 09:21 PM
gamma-Chlordane	25	1.0	µg/Kg	1	9/8/2011 09:21 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 09:21 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 09:21 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 09:21 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 09:21 PM
Surr: Decachlorobiphenyl	72.6	31-107	%REC	1	9/8/2011 09:21 PM
Surr: Tetrachloro-m-xylene	71.2	35-108	%REC	1	9/8/2011 09:21 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-027A

Client Sample ID: B14-0.0-0.5
Collection Date: 9/1/2011 12:25:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909G	QC Batch: 75388			PrepDate: 9/8/2011	Analyst: CBB
Arsenic	7.9	1.0	mg/Kg	1	9/9/2011 05:17 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 08:40 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 08:40 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 08:40 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 08:40 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:40 PM
alpha-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 08:40 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:40 PM
Chlordane	ND	8.5	µg/Kg	1	9/8/2011 08:40 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:40 PM
Dieldrin	11	2.0	µg/Kg	1	9/8/2011 08:40 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 08:40 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 08:40 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 08:40 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 08:40 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 08:40 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 08:40 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:40 PM
gamma-Chlordane	ND	1.0	µg/Kg	1	9/8/2011 08:40 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 08:40 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 08:40 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 08:40 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 08:40 PM
Surr: Decachlorobiphenyl	80.2	31-107	%REC	1	9/8/2011 08:40 PM
Surr: Tetrachloro-m-xylene	85.3	35-108	%REC	1	9/8/2011 08:40 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-029A

Client Sample ID: B15-0.0-0.5
Collection Date: 9/1/2011 12:27:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909G	QC Batch: 75388			PrepDate: 9/8/2011	Analyst: CBB
Arsenic	11	1.0	mg/Kg	1	9/9/2011 05:20 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 08:53 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 08:53 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 08:53 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 08:53 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:53 PM
alpha-Chlordane	2.0	1.0	µg/Kg	1	9/8/2011 08:53 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:53 PM
Chlordane	38	8.5	µg/Kg	1	9/8/2011 08:53 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:53 PM
Dieldrin	3.8	2.0	µg/Kg	1	9/8/2011 08:53 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 08:53 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 08:53 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 08:53 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 08:53 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 08:53 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 08:53 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 08:53 PM
gamma-Chlordane	2.0	1.0	µg/Kg	1	9/8/2011 08:53 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 08:53 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 08:53 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 08:53 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 08:53 PM
Surr: Decachlorobiphenyl	66.7	31-107	%REC	1	9/8/2011 08:53 PM
Surr: Tetrachloro-m-xylene	67.9	35-108	%REC	1	9/8/2011 08:53 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-031A

Client Sample ID: B16-0.0-0.5
Collection Date: 9/1/2011 12:07:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
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ICP METALS

EPA 3050B

EPA 6010B

RunID: ICP8_110909G	QC Batch: 75388			PrepDate: 9/8/2011	Analyst: CBB
Arsenic	3.3	1.0	mg/Kg	1	9/9/2011 05:23 PM

ORGANOCHLORINE PESTICIDES BY GC/ECD

EPA 3550B

EPA 8081A

RunID: GC10_110908A	QC Batch: 75396			PrepDate: 9/8/2011	Analyst: HL
4,4'-DDD	ND	2.0	µg/Kg	1	9/8/2011 09:07 PM
4,4'-DDE	ND	2.0	µg/Kg	1	9/8/2011 09:07 PM
4,4'-DDT	ND	2.0	µg/Kg	1	9/8/2011 09:07 PM
Aldrin	ND	1.0	µg/Kg	1	9/8/2011 09:07 PM
alpha-BHC	ND	1.0	µg/Kg	1	9/8/2011 09:07 PM
alpha-Chlordane	3.1	1.0	µg/Kg	1	9/8/2011 09:07 PM
beta-BHC	ND	1.0	µg/Kg	1	9/8/2011 09:07 PM
Chlordane	26	8.5	µg/Kg	1	9/8/2011 09:07 PM
delta-BHC	ND	1.0	µg/Kg	1	9/8/2011 09:07 PM
Dieldrin	ND	2.0	µg/Kg	1	9/8/2011 09:07 PM
Endosulfan I	ND	1.0	µg/Kg	1	9/8/2011 09:07 PM
Endosulfan II	ND	2.0	µg/Kg	1	9/8/2011 09:07 PM
Endosulfan sulfate	ND	2.0	µg/Kg	1	9/8/2011 09:07 PM
Endrin	ND	2.0	µg/Kg	1	9/8/2011 09:07 PM
Endrin aldehyde	ND	2.0	µg/Kg	1	9/8/2011 09:07 PM
Endrin ketone	ND	2.0	µg/Kg	1	9/8/2011 09:07 PM
gamma-BHC	ND	1.0	µg/Kg	1	9/8/2011 09:07 PM
gamma-Chlordane	1.3	1.0	µg/Kg	1	9/8/2011 09:07 PM
Heptachlor	ND	1.0	µg/Kg	1	9/8/2011 09:07 PM
Heptachlor epoxide	ND	1.0	µg/Kg	1	9/8/2011 09:07 PM
Methoxychlor	ND	5.0	µg/Kg	1	9/8/2011 09:07 PM
Toxaphene	ND	50	µg/Kg	1	9/8/2011 09:07 PM
Surr: Decachlorobiphenyl	63.5	31-107	%REC	1	9/8/2011 09:07 PM
Surr: Tetrachloro-m-xylene	62.2	35-108	%REC	1	9/8/2011 09:07 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-033A

Client Sample ID: BGS 1
Collection Date: 9/1/2011 1:07:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			EPA 6010B		
RunID: ICP8_110909G	QC Batch: 75388			PrepDate: 9/8/2011		Analyst: CBB
Arsenic	ND	1.0		mg/Kg	1	9/9/2011 05:26 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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ANALYTICAL RESULTS

Print Date: 13-Sep-11

CLIENT: Geocon Consultants, Inc.
Lab Order: 119690
Project: Warner Ranch, 09536-06-03
Lab ID: 119690-034A

Client Sample ID: BGS 2
Collection Date: 9/1/2011 1:43:00 PM
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
ICP METALS						
	EPA 3050B			EPA 6010B		
RunID: ICP8_110909G	QC Batch: 75388			PrepDate: 9/8/2011		Analyst: CBB
Arsenic	ND	1.0		mg/Kg	1	9/9/2011 05:29 PM

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	ND	Not Detected at the Reporting Limit
	S	Spike/Surrogate outside of limits due to matrix interference		Results are wet unless otherwise specified
	DO	Surrogate Diluted Out		



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CLIENT: Geocon Consultants, Inc.
Work Order: 119690
Project: Warner Ranch, 09536-06-03

ANALYTICAL QC SUMMARY REPORT**TestCode: 6010_S**

Sample ID: MB-75387	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/8/2011	RunNo: 136497
Client ID: PBS	Batch ID: 75387	TestNo: EPA 6010B EPA 3050B		Analysis Date: 9/9/2011	SeqNo: 2237934
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Arsenic ND 1.0

Sample ID: LCS-75387	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/8/2011	RunNo: 136497
Client ID: LCSS	Batch ID: 75387	TestNo: EPA 6010B EPA 3050B		Analysis Date: 9/9/2011	SeqNo: 2237938
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Arsenic 45.629 1.0 50.00 0 91.3 80 120

Sample ID: 119690-021A-MS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/8/2011	RunNo: 136497
Client ID: B11-0.0-0.5	Batch ID: 75387	TestNo: EPA 6010B EPA 3050B		Analysis Date: 9/9/2011	SeqNo: 2237938
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Arsenic 91.853 1.0 125.0 0.9513 72.7 49 106

Sample ID: 119690-021A-MSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/8/2011	RunNo: 136497
Client ID: B11-0.0-0.5	Batch ID: 75387	TestNo: EPA 6010B EPA 3050B		Analysis Date: 9/9/2011	SeqNo: 2237939
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

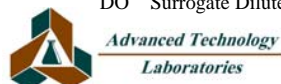
Arsenic 90.947 1.0 125.0 0.9513 72.0 49 106 91.85 0.992 20

Qualifiers:

B Analyte detected in the associated Method Blank
 ND Not Detected at the Reporting Limit
 DO Surrogate Diluted Out

E Value above quantitation range
 R RPD outside accepted recovery limits
 Calculations are based on raw values

H Holding times for preparation or analysis exceeded
 S Spike/Surrogate outside of limits due to matrix interference



CLIENT: Geocon Consultants, Inc.
Work Order: 119690
Project: Warner Ranch, 09536-06-03

ANALYTICAL QC SUMMARY REPORT

TestCode: 6010_S

Sample ID: MB-75388	SampType: MBLK	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/8/2011	RunNo: 136530
Client ID: PBS	Batch ID: 75388	TestNo: EPA 6010B EPA 3050B	Analysis Date: 9/9/2011	SeqNo: 2238597	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Arsenic	ND	1.0			

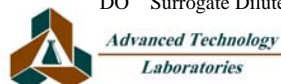
Sample ID: LCS-75388	SampType: LCS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/8/2011	RunNo: 136530
Client ID: LCSS	Batch ID: 75388	TestNo: EPA 6010B EPA 3050B	Analysis Date: 9/9/2011	SeqNo: 2238598	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Arsenic	48.227	1.0	50.00	0	96.5 80 120

Sample ID: 119698-001A-MS	SampType: MS	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/8/2011	RunNo: 136530
Client ID: ZZZZZZ	Batch ID: 75388	TestNo: EPA 6010B EPA 3050B	Analysis Date: 9/9/2011	SeqNo: 2238609	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Arsenic	108.037	1.0	125.0	0.8164	85.8 49 106

Sample ID: 119698-001A-MSD	SampType: MSD	TestCode: 6010_S	Units: mg/Kg	Prep Date: 9/8/2011	RunNo: 136530
Client ID: ZZZZZZ	Batch ID: 75388	TestNo: EPA 6010B EPA 3050B	Analysis Date: 9/9/2011	SeqNo: 2238610	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual
Arsenic	122.568	1.0	125.0	0.8164	97.4 49 106 108.0 12.6 20

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Geocon Consultants, Inc.
Work Order: 119690
Project: Warner Ranch, 09536-06-03

ANALYTICAL QC SUMMARY REPORT

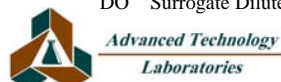
TestCode: 8081_S

Sample ID: MB-75396	SampType: MBLK	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/8/2011	RunNo: 136504						
Client ID: PBS	Batch ID: 75396	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/8/2011	SeqNo: 2238052						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDD	ND	2.0									
4,4'-DDE	ND	2.0									
4,4'-DDT	ND	2.0									
Aldrin	ND	1.0									
alpha-BHC	ND	1.0									
alpha-Chlordane	ND	1.0									
beta-BHC	ND	1.0									
Chlordane	ND	8.5									
delta-BHC	ND	1.0									
Dieldrin	ND	2.0									
Endosulfan I	ND	1.0									
Endosulfan II	ND	2.0									
Endosulfan sulfate	ND	2.0									
Endrin	ND	2.0									
Endrin aldehyde	ND	2.0									
Endrin ketone	ND	2.0									
gamma-BHC	ND	1.0									
gamma-Chlordane	ND	1.0									
Heptachlor	ND	1.0									
Heptachlor epoxide	ND	1.0									
Methoxychlor	ND	5.0									
Toxaphene	ND	50									
Surr: Tetrachloro-m-xylene	10.721		16.67		64.3	35	108				
Surr: Decachlorobiphenyl	11.050		16.67		66.3	31	107				

Sample ID: LCS-75396	SampType: LCS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/8/2011	RunNo: 136504						
Client ID: LCSS	Batch ID: 75396	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/8/2011	SeqNo: 2238053						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aldrin	13.747	1.0	16.67	0	82.5	59	105				

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



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CLIENT: Geocon Consultants, Inc.
Work Order: 119690
Project: Warner Ranch, 09536-06-03

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

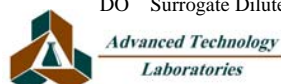
Sample ID: LCS-75396		SampType: LCS	TestCode: 8081_S		Units: µg/Kg	Prep Date: 9/8/2011			RunNo: 136504		
Client ID: LCSS	Batch ID: 75396		TestNo: EPA 8081A		EPA 3550B	Analysis Date: 9/8/2011			SeqNo: 2238053		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Dieldrin	13.736	2.0	16.67	0	82.4	56	112				
Endrin	13.780	2.0	16.67	0	82.7	53	116				
gamma-BHC	13.874	1.0	16.67	0	83.2	59	110				
Heptachlor	14.183	1.0	16.67	0	85.1	53	118				
Surr: Tetrachloro-m-xylene	11.800		16.67		70.8	35	108				
Surr: Decachlorobiphenyl	11.671		16.67		70.0	31	107				

Sample ID: 119690-017AMS	SampType: MS	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/8/2011	RunNo: 136504						
Client ID: B9-0.0-0.5	Batch ID: 75396	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/8/2011	SeqNo: 2238054						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	15.439	2.0	16.67	0	92.6	38	130				
Aldrin	13.020	1.0	16.67	0	78.1	35	122				
Dieldrin	13.948	2.0	16.67	0	83.7	31	138				
Endrin	18.087	2.0	16.67	0	109	39	132				
gamma-BHC	13.003	1.0	16.67	0	78.0	36	126				
Heptachlor	14.906	1.0	16.67	0	89.4	34	131				
Surr: Tetrachloro-m-xylene	12.292		16.67		73.7	35	108				
Surr: Decachlorobiphenyl	11.002		16.67		66.0	31	107				

Sample ID: 119690-017AMSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/8/2011	RunNo: 136504						
Client ID: B9-0.0-0.5	Batch ID: 75396	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/8/2011	SeqNo: 2238055						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
4,4'-DDT	15.489	2.0	16.67	0	92.9	38	130	15.44	0.320	20	
Aldrin	12.938	1.0	16.67	0	77.6	35	122	13.02	0.636	20	
Dieldrin	13.680	2.0	16.67	0	82.1	31	138	13.95	1.94	20	
Endrin	17.761	2.0	16.67	0	107	39	132	18.09	1.82	20	
gamma-BHC	13.040	1.0	16.67	0	78.2	36	126	13.00	0.280	20	
Heptachlor	15.017	1.0	16.67	0	90.1	34	131	14.91	0.736	20	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out	Calculations are based on raw values			



3275 Walnut Avenue, Signal Hill, CA 90755 Tel: 562.989.4045 Fax: 562.989.4040

CLIENT: Geocon Consultants, Inc.
Work Order: 119690
Project: Warner Ranch, 09536-06-03

ANALYTICAL QC SUMMARY REPORT

TestCode: 8081_S

Sample ID: 119690-017AMSD	SampType: MSD	TestCode: 8081_S	Units: µg/Kg	Prep Date: 9/8/2011	RunNo: 136504						
Client ID: B9-0.0-0.5	Batch ID: 75396	TestNo: EPA 8081A	EPA 3550B	Analysis Date: 9/8/2011	SeqNo: 2238055						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: Tetrachloro-m-xylene	12.383		16.67		74.3	35	108		0	0	
Surr: Decachlorobiphenyl	10.844		16.67		65.1	31	107		0	0	

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit	R	RPD outside accepted recovery limits	S	Spike/Surrogate outside of limits due to matrix interference
DO	Surrogate Diluted Out		Calculations are based on raw values		



*Advanced Technology
Laboratories*

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CHAIN OF CUSTODY RECORD

Pg 1 of 4



**Advanced Technology
Laboratories**

3275 Walnut Avenue
Signal Hill, CA 90755
(562) 989-4045 • Fax (562) 989-4040

FOR LABORATORY USE ONLY:

P.O.#:

Logged By:

Date:

Method of Transport

Client ☐
ATL ☒
CA OverN ☐
FEDEX ☐
Other: _____

Sample Condition Upon Receipt

1. CHILLED ☒ Y ☒ N ☐ 4. CUSTODY SEAL ☒ Y ☐ N ☐
2. HEADSPACE (VOA) ☒ Y ☒ N ☐ 5. # OF SPLS MATCH COC ☒ Y ☐ N ☐
3. CONTAINER INTACT ☒ Y ☒ N ☐ 6. PRESERVED ☒ Y ☐ N ☐

Client: GEOCON ENVIRONMENTAL - SAN DIEGO

Address: 6970 Flanders Drive

TEL: (858) 558 - 6100

Attn: Matt Lesh

City San Diego

State CA

Zip Code 92121

FAX: (858) 558 - 8437

Project Name: Warner Ranch

Project #: C9536-0603

Sampler: (Printed Name)

(Signature)

Relinquished by: (Signature and Printed Name)

Date: 9/2/11

Time: 1005

Received by: (Signature and Printed Name)

Date: 9/2/11

Time: 1005

Relinquished by: (Signature and Printed Name)

Date: 9/2/11

Time: 1710

Received by: (Signature and Printed Name)

Date: 9/2/11

Time: 1710

Relinquished by: (Signature and Printed Name)

Date: _____

Time: _____

Received by: (Signature and Printed Name)

Date: _____

Time: _____

I hereby authorize ATL to perform the work indicated below:

Project Mgr /Submitter:

Elbertung 9/1/11
Elbertung
Signature Date

Send Report To:

Attn: _____

Co: Same

Address: + Matt Lesh

City _____ State _____ Zip _____

Bill To:

Attn: _____

Co: Same

Address: _____

City _____ State _____ Zip _____

Special Instructions/Comments:

Hold other samples until we receive surface soil sample results.

Sample/Records - Archival & Disposal

Unless otherwise requested by client, all samples will be disposed 45 days after receipt and records will be disposed 1 year after submittal of final report.

Storage Fees (applies when storage is requested):

- Sample : \$2.00 / sample / mo (after 45 days)
- Records : \$1.00 / ATL workorder / mo (after 1 year)

ITEM	LAB USE ONLY:		Sample Description		
	Batch #:	Lab No.	Sample I.D. / Location	Date	Time
		119690-007	B1-0.0-0.5	9/1	920
		2	B1-2.0-2.5		926
		3	B2-0.0-0.5		905
		4	B2-2.0-2.5		910
		5	B3-0.0-0.5		859
		6	B3-2.0-2.5		907
		7	B4-0.0-0.5		884
		8	B4-2.0-2.5		856
		9	B5-0.0-0.5		1038
		10	B5-2.0-2.5		1044

Circle or Add Analysis(es) Requested

8081A (Pesticides)
8082 (PCB)
8260B (Volatiles)
8270C (BNA)
8010B (Total Metals)
8015B (GRO) / 8020 (BTEX)
8015B (DRO)
8021 (BTEX)
TITLE 22 / CAM 17 (6010 / 7000)
GOLD ARSENIC

SPECIFY APPROPRIATE MATRIX

SOLID SOIL
DRINKING WATER
GROUND WATER
WASTEWATER
STORMWATER
AQUEOUS

Container(s)

TAT # Type

PRELIMINARY

REMARKS

QA/QC

RTNE ☐
CT ☐

SWRCB ☐
Logcode _____

OTHER _____

• TAT starts 8 a.m. following day if samples received after 3 p.m.

TAT: A=

Overnight
≤ 24 hr

B=

Emergency
Next workday

C=

Critical
2 Workdays

D=

Urgent
3 Workdays

E=

Routine
7 Workdays

Preservatives:

H=HCl N=HNO₃ S=H₂SO₄ C=4°C
Z=Zn(AC)₂ O=NaOH T=Na₂S₂O₃

Container Types: T=Tube V=VOA L=Liter P=Pin J=Jar B=Bedlar G=Glass P=Plastic M=Metal

DISTRIBUTION: White with report, Yellow to folder, Pink to submitter.