AEI Consultants

August 7, 2018

LIMITED PHASE II SUBSURFACE INVESTIGATION

Property Identification:
19001 San Ramon Valley Boulevard
San Ramon, California 94583

AEI Project No. 377297

Prepared for:
Mr. Steve Ring
Fulcrum Real Estate and Development, Inc.
336 Bon Air Center, #354
Greenbrae, California 94904

Prepared by:
AEI Consultants
2500 Camino Diablo
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Environmental & Engineering Due Diligence

Site Investigation & Remediation

Energy Performance & Benchmarking

Industrial Hygiene

Construction Consulting

Construction, Site Stabilization & Stormwater Services

Zoning Analysis Reports & ALTA Surveys

TABLE OF CONTENTS

1.0 SITE DESCRIPTION 1

2.0 BACKGROUND 1

3.0 SCOPE OF WORK 2

3.1 Health and Safety Plan 2
3.2 Utility Clearance 2
3.3 Soil Sampling 2
3.5 Laboratory Analyses 2

4.0 FINDINGS 3

4.1 Subsurface Conditions 3
4.2 Analytical Results 3
4.2.1 Soil Sample Analytical Results 3

5.0 SUMMARY AND CONCLUSIONS 4

6.0 REFERENCES 4

7.0 REPORT LIMITATIONS AND RELIANCE 4

FIGURES

Figure 1 Site Location Map
Figure 2 Site Map

TABLES

Table 1 Soil Sample Data Summary

APPENDICES

Appendix A Boring Logs
Appendix B Laboratory Analytical Report

August 7, 2018

Mr. Steve Ring
Fulcrum Real Estate and Development, Inc.
336 Bon Air Center, #354
Greenbrae, California 94904

Subject: Limited Phase II Subsurface Investigation
19001 San Ramon Valley Blvd
San Ramon, California 94583
AEI Project No. 377297

Dear Mr. Ring:

This report presents the results of the Limited Phase II Subsurface Investigation (Phase II) performed by AEI Consultants (AEI) at 19001 San Ramon Valley Boulevard in San Ramon, California ("the Site"). The investigation was completed in general accordance with the scope of services outlined in our proposal dated June 6, 2018 (AEI Proposal Number 58571), which was subsequently authorized by Fulcrum Real Estate and Development, Inc. on July 10, 2018.

The purpose of this investigation was to assess the presence/absence of pesticides in shallow soils due to historical agriculture operations. Information regarding the site description, background, scope of work, findings, conclusions, and recommendations are provided in the following sections.

1.0 SITE DESCRIPTION

The Site is approximately two-acres in size located on the west side of San Ramon Valley Boulevard in San Ramon, California. The Site is currently developed with two single-story buildings that are planned for redevelopment with a residential elder care facility. The location of the Site is shown on Figure 1. Figure 2 present the Site map and soil boring locations.

Groundwater monitoring data obtained from the State of California GeoTracker database for a nearby property indicated that the depth to groundwater is approximately 13-feet below ground surface (bgs). Regional topography suggests that the inferred direction of groundwater flow beneath the Site is to the east direction.

2.0 BACKGROUND

A *Phase I Environmental Site Assessment (ESA)* was conducted by AEI and is presented in a report dated September 19, 2017. According to the Phase I ESA, historical sources show the property was used for agricultural purposes. It was recommended by AEI that soil samples be collected to assess whether the property has been significantly impacted by agricultural chemicals for the protection of the construction workers and future occupants of the Site.

3.0 SCOPE OF WORK

AEI was requested to perform an investigation, which included collecting surface soil samples at four locations at the Site. The sample locations are shown on Figure 2, and the completed activities are summarized below.

3.1 Health and Safety Plan

A site-specific health and safety plan was prepared, reviewed by on-site personnel, and kept on-site for the duration of the fieldwork.

3.2 Utility Clearance

Prior to sampling activities, proposed boring locations were marked on the ground surface with white paint. Upon marking, Underground Service Alert (USA) 811 North was contacted, who, in turn, notified subscribing utility companies of the planned investigation work for underground utility locations to be marked along the ground surface around the Site boundaries and proposed boring locations, where accessible.

3.3 Soil Sampling

On July 23, 2018, four shallow soil samples (SB-1 to SB-4) were collected at the Site. AEI collected each sample by hand auguring to a depth of 1.0 feet below ground surface (bgs) within native soil. The locations of the soil borings were selected across the Site to assess historical agricultural use at the Site.

The sample locations were chosen in part based on accessibility due to existing landscaping (trees, brush, and tall grasses), and pavement at the Site. Borings locations are shown on Figure 2.

Recovered soil samples were examined for soil classification and described on detailed boring logs in general conformance with the Unified Soil Classification System (USCS). Additional lithologic descriptions were recorded on the boring logs, presented in Appendix A.

Soil samples were collected into laboratory provided four-ounce glass sample jars sealed with Teflon lined lids. AEI labeled each container to indicate a unique sample identification and the date and time collected. AEI placed each sample in a chilled, thermally insulated container for transport to the analytical laboratory with completed chain-of-custody forms.

3.5 Laboratory Analyses

The soil samples were submitted to McCampbell Analytical, Inc., a State of California certified laboratory, of Pittsburg, California for analyses. The soil samples were analyzed for OCP (Organochloride Pesticides) and Arsenic using United States Environmental Protection Agency (US EPA) Testing Methods 8081A and 6020, respectively.

Chain-of-custody documentations and the certified analytical reports are provided in Appendix B.

4.0 FINDINGS

4.1 Subsurface Conditions

Subsurface conditions observed during sampling of SB-1 through SB-4 indicate that surface soil at the Site is primarily a silty clay. Groundwater was not encountered. There were no visual or olfactory evidence (i.e., soil discoloration, odor) of potentially-impacted soils observed in soils that were recovered during sampling activities.

4.2 Analytical Results

For the purpose of providing context to the data obtained during this investigation, analytical results are compared to available regulatory screening levels. The San Francisco Bay Regional Water Quality Control Boards (RWQCB) Environmental Screening Levels (ESLs) for Direct Contact were used for comparison values under a residential land use scenario for this investigation. The ESLs are considered to be conservative. Under most circumstances, and within the limitations described in the ESLs, the presence of a chemical in soil at concentrations below the corresponding ESL and soil criteria may be assumed to not pose a significant threat to human health and the environment.

The Arsenic comparison concentrations should be taken from Geochemical and Mineralogical Maps for the Conterminous United States by United States Geological Survey (USGS). It indicates background levels of arsenic in this particular location's soil to have a background upper limit of 7 milligrams per kilogram (mg/kg). Additional evaluation may be necessary at sites where a chemical is present at concentrations above the corresponding ESL and soil gas criteria.

4.2.1 Soil Sample Analytical Results

Table 1 presents a summary of the soil sample analytical results, and laboratory analytical documentation is provided in Appendix B. The results can be summarized as follows:

<u>Agricultural Sampling</u>

- Several OCPs including 4,4-dichlorodiphenyldichloroethane (4,4-DDD) 4,4-dichlorodiphenyldichloroethylene (4,4-DDE), and 4,4-dichlorodiphenyltrichloroethane (4,4-DDT) were detected in the shallow soil samples collected from the Site.
  - 4,4-DDD was detected in sample SB-1, at a concentration of 0.00013 mg/kg. The detected concentration is below the direct contact residential ESL of 2.7 mg/kg.
  - 4,4-DDE was detected in samples SB-1, SB-2, and SB-4 at concentrations of 0.0028, 0.0031, and 0.00023 mg/kg, respectively. The detected concentrations are below the direct contact residential ESL of 1.9 mg/kg. 4,4-DDE was not detected at or above the laboratory reporting limit in sample SB-3.
  - 4,4-DDT was detected in samples SB-1, SB-2, and SB-4 at concentrations of 0.00096, 0.00043, and 0.00012 mg/kg. The detected concentrations are below the direct contact residential ESL of 1.9 mg/kg.
  - The remaining OCPs were not detected at or below laboratory method reporting limits.
- Arsenic was detected in soil samples collected from soil samples SB-1 through SB-4.
  - Arsenic concentrations ranged from 4.5 mg/kg to 7.2 mg/kg. The detected arsenic concentrations were found to exceed direct contact residential ESLs (0.067 mg/kg);

however, the arsenic levels observed in samples collected from the Site are consistent with naturally occurring arsenic (6.0 – 7.0 mg/kg) as demonstrated by USGS' *Geochemical and Mineralogical Maps for the Conterminous United States* (Smith, 2014) for the San Ramon area.

5.0 SUMMARY AND CONCLUSIONS

AEI completed a limited Phase II subsurface investigation at the Site as described above. The purpose of this investigation was to assess whether subsurface conditions (i.e., soil) associated with the former historical agricultural operations have significantly affected the Site. Four shallow soil samples were collected during the investigation. Soil samples collected were analyzed for OCPs and arsenic. Shallow soil sample results for the agricultural investigation indicated low concentrations of OCPs in each of the soil samples collected and analyzed, confirming that these chemicals were used at the Site. Each of the chemicals detected were found to not exceed their respective direct contact residential ESLs. In addition, arsenic was detected at concentrations ranging from 4.5 mg/kg to 7.2 mg/kg, which is consistent with typical background concentrations (6.0 – 7.0 mg/kg) for the San Ramon area. Based on the findings of this investigation, additional investigation associated with the historical agriculture operations at the Site is not warranted.

6.0 REFERENCES

AEI Consultants, 2018, *Phase I Environmental Site Assessment*, *325 Yolanda Avenue & 2532 Santa Rosa Avenue, Santa Rosa, Sonoma County, California 95407,* technical report prepared Wolff Enterprises II, LLC, dated April 30, 2018.

California Department of Toxic Substances Control, et al., 2015. *Advisory: Active Soil Gas Investigations*. July.

California Department of Toxic Substances Control, et al., 2011. *Final: Vapor Intrusion Guidance*. October.

San Francisco Bay Regional Water Quality Control Board, 2016, *Environmental Screening Levels* (ESLs), February 2016, revision 3.

Smith, D.B., Cannon, W.F., Woodruff, L.G., Solano, Federico, and Ellefsen, K.J., 2014, Geochemical and mineralogical maps for soils of the conterminous United States: U.S. Geological Survey Open-File Report 2014–1082, 386 p., https://dx.doi.org/10.3133/ofr20141082.

7.0 REPORT LIMITATIONS AND RELIANCE

This report presents a summary of work completed by AEI Consultants. The completed work includes observations and descriptions of site conditions encountered. Where appropriate, it includes analytical results for samples taken during the course of the work. The number and location of samples are chosen to provide the requested information, subject to scope of work for which AEI was retained and limitations inherent in this type of work, but it cannot be assumed that they are representative of areas not sampled. This report should not be regarded as a guarantee that no further contamination beyond that which could have been detected within the scope of this investigation is present beneath the subject property. Undocumented, unauthorized

releases of hazardous material, the remains of which are not readily identifiable by visual inspection and are of different chemical constituents, are difficult and often impossible to detect within the scope of a chemical specific investigation.

Any conclusions and/or recommendations are based on these analyses and observations, and the governing regulations. Conclusions beyond those stated and reported herein should not be inferred from this document. These services were performed in accordance with generally accepted practices, in the environmental engineering and construction field, which existed at the time and location of the work. No other warranty, either expressed or implied, has been made.

This investigation was prepared for the sole use and benefit of Fulcrum Real Estate and Development, Inc. All reports, both verbal and written, whether in draft or final, are for the benefit of Fulcrum Real Estate and Development, Inc. This report has no other purpose and may not be relied upon by any other person or entity without the written consent of AEI. Either verbally or in writing, third parties may come into possession of this report or all or part of the information generated as a result of this work. In the absence of a written agreement with AEI granting such rights, no third parties shall have rights of recourse or recovery whatsoever under any course of action against AEI, its officers, employees, vendors, successors or assigns. Reliance is provided in accordance with AEI's Proposal and Standard Terms & Conditions executed by Fulcrum Real Estate and Development, Inc. The limitation of liability defined in the Terms and Conditions is the aggregate limit of AEI's liability to the client and all relying parties.

If there are any questions regarding our investigation, please do not hesitate to contact Mr. Peter McIntyre at (925) 746-6004.

Sincerely,
AEI Consultants

For

Ariel Kittredge
Staff Geologist

Trent A. Weise, P.E. (C64480)
Vice President

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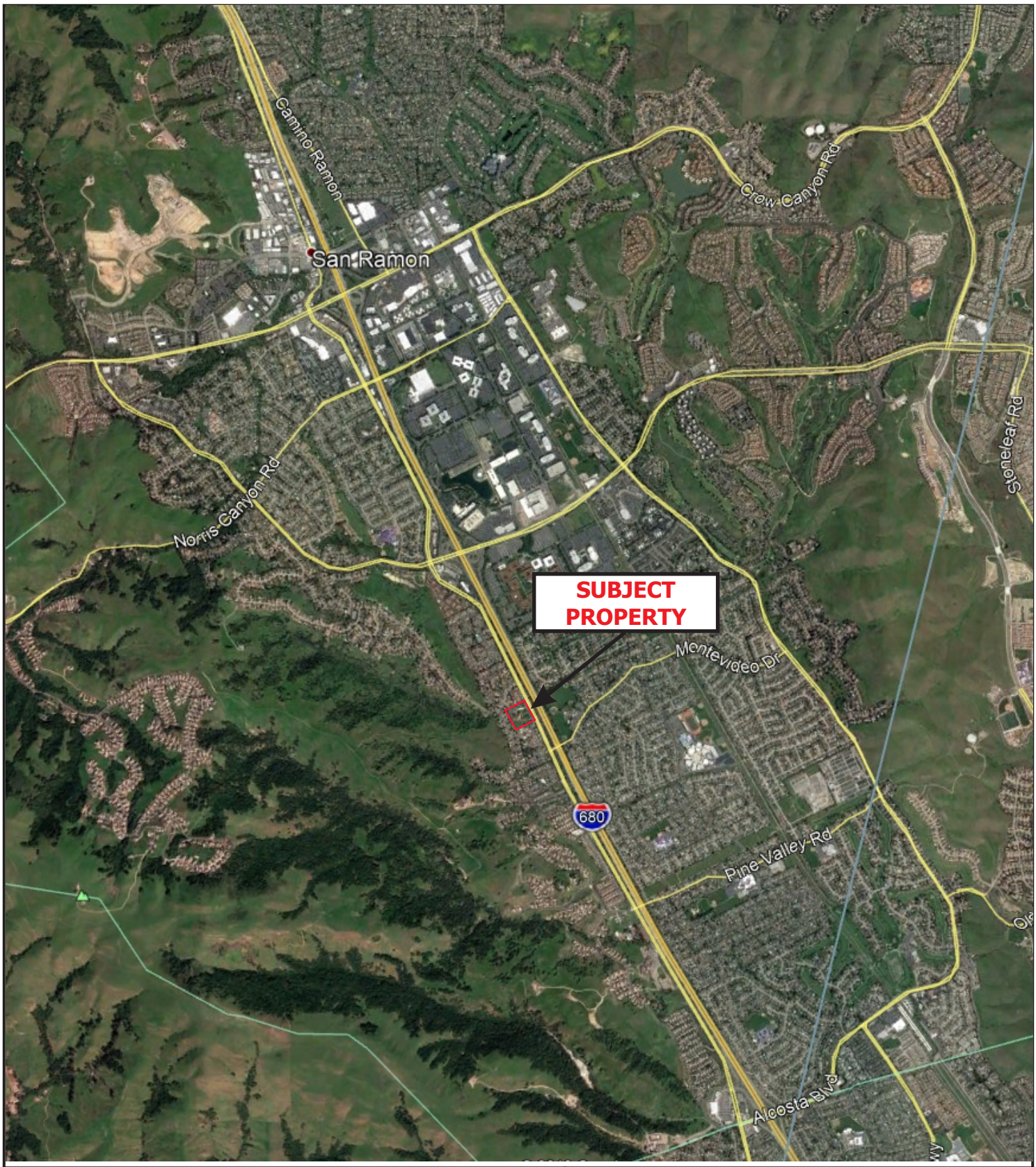
REGISTERED PROFESSIONAL ENGINEER
TRENT A. WEISE
No. C64480
Exp. 6/17
CIVIL
STATE OF CALIFORNIA

Figures

AEI Consultants



LEGEND

Date: 07/30/2018
Source: Google Earth

0 1,200 2,400

SCALE: 1" = 2,400'

N

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2500 Camino Diablo, Walnut Creek, California

SITE LOCATION MAP

19001 San Ramon Valley Blvd
San Ramon, Ca

FIGURE 1
Project No. 377297

LEGEND

Approximate Property Boundary

Soil Boring

N

0 50 100

SCALE: 1" = 100'

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2500 Camino Diablo, Walnut Creek, California

SITE MAP

19001 San Ramon Valley Blvd
San Ramon, CA

FIGURE 2
Project No. 377297

Table

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TABLE 1: SOIL SAMPLE DATA SUMMARY
19001 San Ramon Valley Boulevard
San Ramon, California 94583

Location ID	Date	Depth (feet bgs)	4,4-DDD (mg/kg)	4,4-DDE (mg/kg)	4,4-DDT (mg/kg)	Endrine Aldehyde (mg/kg)	Other Pesticides (mg/kg)	Arsenic (mg/kg)
SB-1	7/23/2018	1.0	0.00013	0.0028	0.00096	<0.00010	<MRL	**5.1**
SB-2	7/23/2018	1.0	<0.00010	0.0031	0.00043	0.00013	<MRL	**4.5**
SB-3	7/23/2018	1.0	<0.00010	<0.00010	<0.00010	<0.00010	<MRL	**5.3**
SB-4	7/23/2018	1.0	<0.00010	0.00023	0.00012	<0.00010	<MRL	**7.2**
Comparison Values:								
ESL - Residential Shallow Soil			2.7	1.9	1.9	NE	Various	0.067 [1]

Notes:

mg/kg	milligrams per kilogram
<MRL	less than the laboratory method reporting limit
bgs	below ground surface
DDD	Dichlorodiphenyldichloroethane
DDE	Dichlorodiphenyldichloroethylene
DDT	Dichlorodiphenyltrichloroethane
Bold	Result exceeds a regulatory screening level
[1]	Arsenic concentrations from Geochemical and Mineralogical Maps for the Conterminous United States, a map completed in 2014 by the USGS indicate background levels of arsenic of soil onsite has background upper limit of 7 mg/kg.
NE	Not Established

Comparison Values:
ESL Direct Contact: Direct Exposure Human Health for Residential Shallow Soil Exposure; Environmental Screening Levels (ESLs) from February 2016 (Rev. 3) ESL Summary Tables, prepared by the San Francisco Bay Regional Water Quality Control Board

APPENDIX A

Boring Logs

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AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-609

BORING NUMBER SB-1

CLIENT Fulcrum Real Estate and Development, Inc.
PROJECT NAME
PROJECT NUMBER 377297
PROJECT LOCATION 19001 San Ramon Valley Blvd, San Ramon, CA 94583
DATE STARTED 7/19/18 **COMPLETED** 7/19/18
GROUND ELEVATION **HOLE SIZE** 4 inches
DRILLING CONTRACTOR
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING ---
LOGGED BY A. Kittredge **CHECKED BY** W. Hung
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					Grass and Roots	
			0.0		0.5 Silty Clay (CL), dark olive brown (3/3 2.5YR), medium stiff, dry, low plasticity, no odor	
1	SB-1				1.0	

Bottom of borehole at 1.0 feet.

AEI BORING - GINT STD US LAB.GDT - 8/3/18 14:54 - P:\COMPANYWIDE PROJECTS\377000 SERIES\377297 SAN RAMON, CA\SM\DELIVERABLES\BORING LOGS\LOGS.GPJ

AEI Consultants

AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-609

BORING NUMBER SB-2

CLIENT Fulcrum Real Estate and Development, Inc.
PROJECT NAME
PROJECT NUMBER 377297
PROJECT LOCATION 19001 San Ramon Valley Blvd, San Ramon, CA 94583
DATE STARTED 7/19/18 **COMPLETED** 7/19/18
GROUND ELEVATION **HOLE SIZE** 4 inches
DRILLING CONTRACTOR
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING ---
LOGGED BY A. Kittredge **CHECKED BY** W. Hung
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					Straw, wood chips at surface - 3 to 4 inches bgs Silty Clay (CL)	
					0.5	
			0.0		Silty Clay (CL), dark grayish brown (4/2, 2.5Y), medium stiff, dry, low plasticity, no odor	
1	SB-2				1.0	

Bottom of borehole at 1.0 feet.

AEI BORING - GINT STD US LAB.GDT - 8/3/18 14:54 - P:\COMPANYWIDE PROJECTS\377000 SERIES\377297 SAN RAMON, CA\SM\DELIVERABLES\BORING LOGS\LOGS.GPJ

AEI Consultants

AEI CONSULTANTS
2500 CAMINO DIABLO
WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-609

BORING NUMBER SB-3

CLIENT Fulcrum Real Estate and Development, Inc.
PROJECT NAME
PROJECT NUMBER 377297
PROJECT LOCATION 19001 San Ramon Valley Blvd, San Ramon, CA 94583
DATE STARTED 7/19/18 **COMPLETED** 7/19/18
GROUND ELEVATION **HOLE SIZE** 4 inches
DRILLING CONTRACTOR
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING ---
LOGGED BY A. Kittredge **CHECKED BY** W. Hung
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					Straw, wood chips at surface - 3 to 4 inches bgs Silty Clay (CL)	
			0.0		0.5 Clay (CL), very dark gray (3/1, 2.5Y), medium stiff, dry, low plasticity, no odor	
1	SB-3				1.0	

Bottom of borehole at 1.0 feet.

AEI BORING - GINT STD US LAB.GDT - 8/3/18 14:54 - P:\COMPANYWIDE PROJECTS\377000 SERIES\377297 SAN RAMON, CA\SM\DELIVERABLES\BORING LOGS\LOGS.GPJ

AEI Consultants

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WALNUT CREEK CA 94597-3998
Telephone: 925 746-6000
Fax: 925 746-609

BORING NUMBER SB-4

CLIENT Fulcrum Real Estate and Development, Inc.
PROJECT NAME
PROJECT NUMBER 377297
PROJECT LOCATION 19001 San Ramon Valley Blvd, San Ramon, CA 94583
DATE STARTED 7/19/18 **COMPLETED** 7/19/18
GROUND ELEVATION **HOLE SIZE** 4 inches
DRILLING CONTRACTOR
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING ---
LOGGED BY A. Kittredge **CHECKED BY** W. Hung
AT END OF DRILLING ---
NOTES
AFTER DRILLING ---

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0					Straw, wood chips at surface - 3 to 4 inches bgs Silty Clay (CL)	
					0.2 Clay (CL), very dark grayish brown (3/2, 2.5Y), stiff, dry, low plasticity, no odor	
			0.0			
1	SB-4				1.0 Bottom of borehole at 1.0 feet.	

AEI BORING - GINT STD US LAB.GDT - 8/3/18 14:54 - P:\COMPANYWIDE PROJECTS\377000 SERIES\377297 SAN RAMON, CA\SM\DELIVERABLES\BORING LOGS\LOGS.GPJ

APPENDIX B

Laboratory Analytical Results

AEI Consultants

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1807926

Report Created for: AEI Consultants

2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597

Project Contact: Wayne Hung
Project P.O.: 141734
Project: 377297; 19001 San Ramon Valley Blvd

Project Received: 07/19/2018

Analytical Report reviewed & approved for release on 07/25/2018 by:

Angela Rydelius
Laboratory Manager

The report shall not be reproduced except in full, without the written approval of the laboratory. The analytical results relate only to the items tested. Results reported conform to the most current NELAP standards, where applicable, unless otherwise stated in the case narrative.

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CA ELAP 1644 ♦ NELAP 4033 ORELAP

McCampbell Analytical, Inc.
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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 377297; 19001 San Ramon Valley Blvd
WorkOrder: 1807926

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
DF	Dilution Factor
DI WET	(DISTLC) Waste Extraction Test using DI water
DISS	Dissolved (direct analysis of 0.45 µm filtered and acidified water sample)
DLT	Dilution Test (Serial Dilution)
DUP	Duplicate
EDL	Estimated Detection Limit
ERS	External reference sample. Second source calibration verification.
ITEF	International Toxicity Equivalence Factor
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
ML	Minimum Level of Quantitation
MS	Matrix Spike
MSD	Matrix Spike Duplicate
N/A	Not Applicable
ND	Not detected at or above the indicated MDL or RL
NR	Data Not Reported due to matrix interference or insufficient sample amount.
PDS	Post Digestion Spike
PDSD	Post Digestion Spike Duplicate
PF	Prep Factor
RD	Relative Difference
RL	Reporting Limit (The RL is the lowest calibration standard in a multipoint calibration.)
RPD	Relative Percent Deviation
RRT	Relative Retention Time
SPK Val	Spike Value
SPKRef Val	Spike Reference Value
SPLP	Synthetic Precipitation Leachate Procedure
ST	Sorbent Tube
TCLP	Toxicity Characteristic Leachate Procedure
TEQ	Toxicity Equivalents
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

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Glossary of Terms & Qualifier Definitions

Client: AEI Consultants
Project: 377297; 19001 San Ramon Valley Blvd
WorkOrder: 1807926

Analytical Qualifiers

P	Agreement between quantitative confirmation results exceed method recommended limits
S	Surrogate spike recovery outside accepted recovery limits

Quality Control Qualifiers

F2	LCS/LCSD recovery and/or RPD is out of acceptance criteria.

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1807926
Date Received:	7/19/18 15:43	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	7/23/18	**Analytical Method:**	SW8081A
Project:	377297; 19001 San Ramon Valley Blvd	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1	**1807926-001A**	**Soil**	**07/19/2018 08:08**	**GC40 07231814.d**	**161959**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.00010	1	07/23/2018 13:13
a-BHC	ND		0.00010	1	07/23/2018 13:13
b-BHC	ND		0.00030	1	07/23/2018 13:13
d-BHC	ND		0.00020	1	07/23/2018 13:13
g-BHC	ND		0.00010	1	07/23/2018 13:13
Chlordane (Technical)	ND		0.0025	1	07/23/2018 13:13
a-Chlordane	ND		0.00010	1	07/23/2018 13:13
g-Chlordane	ND		0.00010	1	07/23/2018 13:13
p,p-DDD	**0.00013**		0.00010	1	07/23/2018 13:13
p,p-DDE	**0.0028**	P	0.00010	1	07/23/2018 13:13
p,p-DDT	**0.00096**		0.00010	1	07/23/2018 13:13
Dieldrin	ND		0.00010	1	07/23/2018 13:13
Endosulfan I	ND		0.00010	1	07/23/2018 13:13
Endosulfan II	ND		0.00010	1	07/23/2018 13:13
Endosulfan sulfate	ND		0.00010	1	07/23/2018 13:13
Endrin	ND		0.00010	1	07/23/2018 13:13
Endrin aldehyde	ND		0.00010	1	07/23/2018 13:13
Endrin ketone	ND		0.00010	1	07/23/2018 13:13
Heptachlor	ND		0.00010	1	07/23/2018 13:13
Heptachlor epoxide	ND		0.00010	1	07/23/2018 13:13
Hexachlorobenzene	ND		0.0010	1	07/23/2018 13:13
Hexachlorocyclopentadiene	ND		0.0020	1	07/23/2018 13:13
Methoxychlor	ND		0.00020	1	07/23/2018 13:13
Toxaphene	ND		0.0050	1	07/23/2018 13:13

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	71	20-145	07/23/2018 13:13

Analyst(s): KX

(Cont.)

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McCampbell Analytical, Inc.
"When Quality Counts"

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1807926
Date Received:	7/19/18 15:43	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	7/23/18	**Analytical Method:**	SW8081A
Project:	377297; 19001 San Ramon Valley Blvd	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2	**1807926-002A**	**Soil**	**07/19/2018 08:18**	**GC40 07231859.d**	**161959**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00010	1	07/23/2018 23:44
a-BHC	ND	0.00010	1	07/23/2018 23:44
b-BHC	ND	0.00030	1	07/23/2018 23:44
d-BHC	ND	0.00020	1	07/23/2018 23:44
g-BHC	ND	0.00010	1	07/23/2018 23:44
Chlordane (Technical)	ND	0.0025	1	07/23/2018 23:44
a-Chlordane	ND	0.00010	1	07/23/2018 23:44
g-Chlordane	ND	0.00010	1	07/23/2018 23:44
p,p-DDD	ND	0.00010	1	07/23/2018 23:44
p,p-DDE	**0.0031**	0.00010	1	07/23/2018 23:44
p,p-DDT	**0.00043**	0.00010	1	07/23/2018 23:44
Dieldrin	ND	0.00010	1	07/23/2018 23:44
Endosulfan I	ND	0.00010	1	07/23/2018 23:44
Endosulfan II	ND	0.00010	1	07/23/2018 23:44
Endosulfan sulfate	ND	0.00010	1	07/23/2018 23:44
Endrin	ND	0.00010	1	07/23/2018 23:44
Endrin aldehyde	**0.00013**	0.00010	1	07/23/2018 23:44
Endrin ketone	ND	0.00010	1	07/23/2018 23:44
Heptachlor	ND	0.00010	1	07/23/2018 23:44
Heptachlor epoxide	ND	0.00010	1	07/23/2018 23:44
Hexachlorobenzene	ND	0.0010	1	07/23/2018 23:44
Hexachlorocyclopentadiene	ND	0.0020	1	07/23/2018 23:44
Methoxychlor	ND	0.00020	1	07/23/2018 23:44
Toxaphene	ND	0.0050	1	07/23/2018 23:44

Surrogates	REC (%)	Qualifiers	Limits	
Decachlorobiphenyl	207	S	20-145	07/23/2018 23:44

Analyst(s): KX

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

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Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1807926
Date Received:	7/19/18 15:43	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	7/23/18	**Analytical Method:**	SW8081A
Project:	377297; 19001 San Ramon Valley Blvd	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3	**1807926-003A**	**Soil**	**07/19/2018 08:45**	**GC40 07231860.d**	**161959**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00010	1	07/23/2018 23:58
a-BHC	ND	0.00010	1	07/23/2018 23:58
b-BHC	ND	0.00030	1	07/23/2018 23:58
d-BHC	ND	0.00020	1	07/23/2018 23:58
g-BHC	ND	0.00010	1	07/23/2018 23:58
Chlordane (Technical)	ND	0.0025	1	07/23/2018 23:58
a-Chlordane	ND	0.00010	1	07/23/2018 23:58
g-Chlordane	ND	0.00010	1	07/23/2018 23:58
p,p-DDD	ND	0.00010	1	07/23/2018 23:58
p,p-DDE	ND	0.00010	1	07/23/2018 23:58
p,p-DDT	ND	0.00010	1	07/23/2018 23:58
Dieldrin	ND	0.00010	1	07/23/2018 23:58
Endosulfan I	ND	0.00010	1	07/23/2018 23:58
Endosulfan II	ND	0.00010	1	07/23/2018 23:58
Endosulfan sulfate	ND	0.00010	1	07/23/2018 23:58
Endrin	ND	0.00010	1	07/23/2018 23:58
Endrin aldehyde	ND	0.00010	1	07/23/2018 23:58
Endrin ketone	ND	0.00010	1	07/23/2018 23:58
Heptachlor	ND	0.00010	1	07/23/2018 23:58
Heptachlor epoxide	ND	0.00010	1	07/23/2018 23:58
Hexachlorobenzene	ND	0.0010	1	07/23/2018 23:58
Hexachlorocyclopentadiene	ND	0.0020	1	07/23/2018 23:58
Methoxychlor	ND	0.00020	1	07/23/2018 23:58
Toxaphene	ND	0.0050	1	07/23/2018 23:58

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	90	20-145	07/23/2018 23:58

Analyst(s): KX

(Cont.)

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http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1807926
Date Received:	7/19/18 15:43	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	7/23/18	**Analytical Method:**	SW8081A
Project:	377297; 19001 San Ramon Valley Blvd	**Unit:**	mg/kg

Organochlorine Pesticides

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4	**1807926-004A**	**Soil**	**07/19/2018 09:05**	**GC40 07231861.d**	**161959**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00010	1	07/24/2018 00:12
a-BHC	ND	0.00010	1	07/24/2018 00:12
b-BHC	ND	0.00030	1	07/24/2018 00:12
d-BHC	ND	0.00020	1	07/24/2018 00:12
g-BHC	ND	0.00010	1	07/24/2018 00:12
Chlordane (Technical)	ND	0.0025	1	07/24/2018 00:12
a-Chlordane	ND	0.00010	1	07/24/2018 00:12
g-Chlordane	ND	0.00010	1	07/24/2018 00:12
p,p-DDD	ND	0.00010	1	07/24/2018 00:12
p,p-DDE	**0.00023**	0.00010	1	07/24/2018 00:12
p,p-DDT	**0.00012**	0.00010	1	07/24/2018 00:12
Dieldrin	ND	0.00010	1	07/24/2018 00:12
Endosulfan I	ND	0.00010	1	07/24/2018 00:12
Endosulfan II	ND	0.00010	1	07/24/2018 00:12
Endosulfan sulfate	ND	0.00010	1	07/24/2018 00:12
Endrin	ND	0.00010	1	07/24/2018 00:12
Endrin aldehyde	ND	0.00010	1	07/24/2018 00:12
Endrin ketone	ND	0.00010	1	07/24/2018 00:12
Heptachlor	ND	0.00010	1	07/24/2018 00:12
Heptachlor epoxide	ND	0.00010	1	07/24/2018 00:12
Hexachlorobenzene	ND	0.0010	1	07/24/2018 00:12
Hexachlorocyclopentadiene	ND	0.0020	1	07/24/2018 00:12
Methoxychlor	ND	0.00020	1	07/24/2018 00:12
Toxaphene	ND	0.0050	1	07/24/2018 00:12

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	48	20-145	07/24/2018 00:12

Analyst(s): KX

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Analytical Report

Client:	AEI Consultants	**WorkOrder:**	1807926
Date Received:	7/19/18 15:43	**Extraction Method:**	SW3050B
Date Prepared:	7/19/18	**Analytical Method:**	SW6020
Project:	377297; 19001 San Ramon Valley Blvd	**Unit:**	mg/Kg

Arsenic

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-1	**1807926-001A**	**Soil**	**07/19/2018 08:08**	**ICP-MS3 075SMPL.D**	**161792**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**5.1**	0.50	1	07/20/2018 15:33

Surrogates	REC (%)	Limits	
Terbium	104	70-130	07/20/2018 15:33

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-2	**1807926-002A**	**Soil**	**07/19/2018 08:18**	**ICP-MS3 076SMPL.D**	**161792**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**4.5**	0.50	1	07/20/2018 15:39

Surrogates	REC (%)	Limits	
Terbium	104	70-130	07/20/2018 15:39

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-3	**1807926-003A**	**Soil**	**07/19/2018 08:45**	**ICP-MS3 077SMPL.D**	**161792**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**5.3**	0.50	1	07/20/2018 15:45

Surrogates	REC (%)	Limits	
Terbium	104	70-130	07/20/2018 15:45

Analyst(s): JC

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
SB-4	**1807926-004A**	**Soil**	**07/19/2018 09:05**	**ICP-MS3 078SMPL.D**	**161792**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**7.2**	0.50	1	07/20/2018 15:51

Surrogates	REC (%)	Limits	
Terbium	105	70-130	07/20/2018 15:51

Analyst(s): JC

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1807926
Date Prepared:	7/23/18	**BatchID:**	161959
Date Analyzed:	7/23/18	**Extraction Method:**	SW3550B/3640Am/3630Cm
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	377297; 19001 San Ramon Valley Blvd	**Sample ID:**	MB/LCS/LCSD-161959

QC Summary Report for SW8081A/8082

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.00010	-	-	-
a-BHC	ND	0.00010	-	-	-
b-BHC	ND	0.00030	-	-	-
d-BHC	ND	0.00020	-	-	-
g-BHC	ND	0.00010	-	-	-
Chlordane (Technical)	ND	0.0025	-	-	-
a-Chlordane	ND	0.00010	-	-	-
g-Chlordane	ND	0.00010	-	-	-
p,p-DDD	ND	0.00010	-	-	-
p,p-DDE	ND	0.00010	-	-	-
p,p-DDT	ND	0.00010	-	-	-
Dieldrin	ND	0.00010	-	-	-
Endosulfan I	ND	0.00010	-	-	-
Endosulfan II	ND	0.00010	-	-	-
Endosulfan sulfate	ND	0.00010	-	-	-
Endrin	ND	0.00010	-	-	-
Endrin aldehyde	ND	0.00010	-	-	-
Endrin ketone	ND	0.00010	-	-	-
Heptachlor	ND	0.00010	-	-	-
Heptachlor epoxide	ND	0.00010	-	-	-
Hexachlorobenzene	ND	0.0010	-	-	-
Hexachlorocyclopentadiene	ND	0.0020	-	-	-
Methoxychlor	ND	0.00020	-	-	-
Toxaphene	ND	0.0050	-	-	-
Surrogate Recovery					
Decachlorobiphenyl	0.00428		0.0050	86	28-170

(Cont.)

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1807926
Date Prepared:	7/23/18	**BatchID:**	161959
Date Analyzed:	7/23/18	**Extraction Method:**	SW3550B/3640Am/3630Cm
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	377297; 19001 San Ramon Valley Blvd	**Sample ID:**	MB/LCS/LCSD-161959

QC Summary Report for SW8081A/8082

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.00573	0.00510	0.0050	115	102	31-155	11.8	20
a-BHC	0.00556	0.00512	0.0050	111	102	32-160	8.34	20
b-BHC	0.00562	0.00496	0.0050	113	99	44-149	12.5	20
d-BHC	0.00623	0.00535	0.0050	125	107	37-157	15.1	20
g-BHC	0.00529	0.00509	0.0050	106	102	43-154	3.93	20
a-Chlordane	0.00559	0.00483	0.0050	112	97	39-150	14.5	20
g-Chlordane	0.00552	0.00480	0.0050	110	96	39-151	14.1	20
p,p-DDD	0.00524	0.00442	0.0050	105	88	30-158	17.0	20
p,p-DDE	0.00608	0.00519	0.0050	122	104	47-149	15.9	20
p,p-DDT	0.00601	0.00481	0.0050	120	96	56-166	22.2,F2	20
Dieldrin	0.00634	0.00552	0.0050	127	110	50-163	13.8	20
Endosulfan I	0.00509	0.00472	0.0050	102	94	45-159	7.72	20
Endosulfan II	0.00557	0.00472	0.0050	111	94	41-155	16.5	20
Endosulfan sulfate	0.00391	0.00404	0.0050	78	81	45-156	3.24	20
Endrin	0.00619	0.00535	0.0050	124	107	54-154	14.5	20
Endrin aldehyde	0.00337	0.00334	0.0050	67	67	27-159	0	20
Endrin ketone	0.00483	0.00425	0.0050	97	85	40-147	12.9	20
Heptachlor	0.00566	0.00516	0.0050	113	103	52-165	9.39	20
Heptachlor epoxide	0.00516	0.00469	0.0050	103	94	46-145	9.63	20
Hexachlorobenzene	0.00153	0.00141	0.0050	31	28	22-156	7.75	20
Hexachlorocyclopentadiene	0.00407	0.00360	0.0050	81	72	43-173	12.4	20
Methoxychlor	0.00325	0.00352	0.0050	65	70	49-150	8.05	20
Surrogate Recovery								
Decachlorobiphenyl	0.00382	0.00304	0.0050	76	61	28-170	22.8,F2	20

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Quality Control Report

Client:	AEI Consultants	**WorkOrder:**	1807926
Date Prepared:	7/18/18	**BatchID:**	161792
Date Analyzed:	7/19/18	**Extraction Method:**	SW3050B
Instrument:	ICP-MS2	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/Kg
Project:	377297; 19001 San Ramon Valley Blvd	**Sample ID:**	MB/LCS/LCSD-161792

QC Summary Report for Metals

Analyte	MB Result	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.50	-	-	-
Surrogate Recovery					
Terbium	505		500	101	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	52.4	50.8	50	105	102	75-125	3.08	20
Surrogate Recovery								
Terbium	537	511	500	107	102	70-130	4.83	20

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1807926 **ClientCode: AEL**

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag
☐ Detection Summary ☐ Dry-Weight

Report to:
Wayne Hung
AEI Consultants
2500 Camino Diablo, Ste.#200
Walnut Creek, CA 94597
(925) 478-9698 FAX: (925) 944-2895

Email: whung@aeiconsultants.com
cc/3rd Party:
PO: 141734
Project: 377297; 19001 San Ramon Valley Blvd

Bill to:
Accounts Payable
AEI Consultants
2500 Camino Diablo, Ste. #200
Walnut Creek, CA 94597
AccountsPayable@AEIConsultants.com

Requested TAT: 5 days;

Date Received: 07/19/2018
Date Logged: 07/19/2018

Lab ID	Client ID	Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
					Requested Tests (See legend below)											
1807926-001	SB-1	Soil	7/19/2018 08:08	☐	A	A										
1807926-002	SB-2	Soil	7/19/2018 08:18	☐	A	A										
1807926-003	SB-3	Soil	7/19/2018 08:45	☐	A	A										
1807926-004	SB-4	Soil	7/19/2018 09:05	☐	A	A										

Test Legend:

1	8081_ESL_LL_S	2	ASMS_6020_TTLC_S	3		4	
5		6		7		8	
9		10		11		12	

Prepared by: Jena Alfaro

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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WORK ORDER SUMMARY

Client Name: AEI CONSULTANTS
Client Contact: Wayne Hung
Contact's Email: whung@aeiconsultants.com

Project: 377297; 19001 San Ramon Valley Blvd
Comments:

Work Order: 1807926
QC Level: LEVEL 2
Date Logged: 7/19/2018

☐ WaterTrax ☐ WriteOn ☐ EDF ☑ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1807926-001A	SB-1	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	☐	7/19/2018 8:08	5 days		☐	
			SW8081A (OC Pesticides) ESLs			☐		5 days		☐	
1807926-002A	SB-2	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	☐	7/19/2018 8:18	5 days		☐	
			SW8081A (OC Pesticides) ESLs			☐		5 days		☐	
1807926-003A	SB-3	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	☐	7/19/2018 8:45	5 days		☐	
			SW8081A (OC Pesticides) ESLs			☐		5 days		☐	
1807926-004A	SB-4	Soil	SW6020 (Arsenic)	1	4OZ GJ, Unpres	☐	7/19/2018 9:05	5 days		☐	
			SW8081A (OC Pesticides) ESLs			☐		5 days		☐	

NOTES: - STLC and TCLP extractions require 2 days to complete; therefore, all TATs begin after the extraction is completed (i.e., One-day TAT yields results in 3 days from sample submission).

- MAI assumes that all material present in the provided sampling container is considered part of the sample - MAI does not exclude any material from the sample prior to sample preparation unless requested in writing by the client.

General COC

MAI Work Order # 1807926

McCAMPBELL ANALYTICAL, INC.

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CHAIN OF CUSTODY RECORD

Turn Around Time:	1 Day Rush		2 Day Rush		3 Day Rush		STD	X	Quote #		
J-Flag / MDL		ESL		Cleanup Approved					Bottle Order #		
Delivery Format:	PDF		GeoTracker EDF		EDD	X	Write On (DW)		EQuIS		

Report To: Wayne Hung Bill To: AEI Consutlants

Company: AEI Consultants

Email: whung@aeiconsultants.com

Alt Email: akittredge@aeiconsultants.com Tele: 916-580-9632

Project Name: 19001 San Ramon Valley Blvd Project #: 377297

Project Location: San Ramon, CA PO # 141734

Sampler Signature:

Analysis Requested

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silica Gel	Total Oil & Grease (1664 / 9071) Without Silica Gel	Total Petroleum Hydrocarbons - Oil & Grease (1664 / 9071) With Silica Gel	Total Petroleum Hydrocarbons (418.1) With Silica Gel	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ; Aroclors only	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.8 / 6020)*	Metals (200.8 / 6020)	Baylands Requirements	Lab to filter sample for dissolved metals analysis	Arsenic (6020B)	OCP (8081A) low level for ESLs		
SB-1	7/19/18	0808	1	Soil	N/A																X	X		
SB-2	↓	0818	1	↓	↓																↓	↓		
SB-3	↓	0845	1	↓	↓																↓	↓		
SB-4	↓	0905	1	↓	↓																↓	↓		

MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

* If metals are requested for water samples and the water type (Matrix) is not specified on the chain of custody, MAI will default to metals by E200.8.

Please provide an adequate volume of sample. If the volume is not sufficient for a MS/MSD a LCS/LCSD will be prepared in its place and noted in the report.

Comments / Instructions

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
	7/19/18	1416	L Moore	7/19/18	1415
L Moore	7/19/18	1530		7/19/18	1530

Matrix Code: DW=Drinking Water, GW=Ground Water, WW=Waste Water, SW=Seawater, S=Soil, SL=Sludge, A=Air, WP=Wipe, O=Other

Preservative Code: 1=4°C 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=ZnOAc/NaOH 7=None

Temp 2.8 Wet °C Initials RN

Page 1 of 1

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Sample Receipt Checklist

Client Name:	**AEI Consultants**	Date and Time Received	**7/19/2018 15:43**
Project:	**377297; 19001 San Ramon Valley Blvd**	Date Logged:	**7/19/2018**
		Received by:	Jena Alfaro
WorkOrder №:	**1807926** Matrix: Soil	Logged by:	Jena Alfaro
Carrier:	Laurie Moore (MAI Courier)		

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Sample IDs noted by Client on COC?	Yes ☑	No ☐	
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐	
Sampler's name noted on COC?	Yes ☑	No ☐	
COC agrees with Quote?	Yes ☐	No ☐	NA ☑

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	NA ☐
Samples Received on Ice?	Yes ☑	No ☐	
	(Ice Type: WET ICE)		
Sample/Temp Blank temperature	Temp: 2.8°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☐	No ☐	NA ☑
Sample labels checked for correct preservation?	Yes ☑	No ☐	
pH acceptable upon receipt (Metal: <2; 522: <4; 218.7: >8)?	Yes ☐	No ☐	NA ☑
UCMR Samples:			
pH tested and acceptable upon receipt (200.8: ≤2; 525.3: ≤4; 530: ≤7; 541: <3; 544: <6.5 & 7.5)?	Yes ☐	No ☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L)?	Yes ☐	No ☐	NA ☑

Comments: