GeoSolve, Inc.®
Geoscience Solutions rather than Status-Quo

Visit us at www.geosolve-inc.com

Project No. 2022-15
June 9, 2022

Mr. Corey Kusich
SCS Development, Inc.
404 Saratoga Avenue, Suite 100
Santa Clara, California 95050

Subject: Former St. Mark's Episcopal Church Property
1957 Pruneridge Avenue
APN 303-03-025
Santa Clara, California
PHASE II ENVIRONMENTAL SITE ASSESSMENT

Reference: 1) Phase I Environmental Site Assessment at 1957 Pruneridge Avenue, Santa Clara, California
*By **GeoSolve, Inc.***
Dated May 9, 2022

Dear Mr. Kusich:

At your request, ***GeoSolve, Inc.*** has conducted a Phase II Environmental Site Assessment (ESA) for the above referenced site. The purpose of this work was to evaluate the Recognized Environmental Condition (REC) found in our Phase I ESA (Reference 1), which was to evaluate the surficial soil for organochlorine pesticides and arsenic due to the past use of the site as an orchard.

Site Location

The subject property is situated within the South Bay portion of the greater San Francisco Bay region within Santa Clara County. The site is located at 1957 Pruneridge Avenue in Santa Clara, California and consists of one parcel totaling approximately 2.29 acres with APN 303-03-025. The former St. Mark's Episcopal Church occupy the property. The property is bound by Crestview Dental offices to the west, residences to the north, commercial strip mall to the east, and Pruneridge Avenue to the south. The location of the site is shown on Figure 1, Site Vicinity Map and Figure 2, Site Plan. The topography at the subject site is approximately 120 feet above mean sea level (msl), which gently slopes northeast towards San Francisco Bay, approximately 4.5 miles away.

Local Geology and Hydrogeology

The materials underlying the site are mapped as Late Pleistocene alluvium (Qpa) by Helley and Lajoie (1979), which consists of weakly consolidated, slightly weathered, poorly sorted, irregular interbedded clay, silt, sand, and gravel. Grades progressively from coarse-grained stream deposits at the heads of alluvial fans into fine-grained alluvial fan deposits. The Late Pleistocene alluvium was derived from flowing water in stream channels, on stream terraces, and on alluvial fans and is approximately 150 feet thick. The Late Pleistocene alluvium is approximately 35,000 to 70,000 years old and is underlain by alternating layer of older alluvial deposits to approximately 1 to 2 kilometers (km). The older alluvial deposits are underlain by Cenozoic marine bedrock units (https://pubs.usgs.gov/pp/0943/report.pdf).

The active trace of the San Andreas Fault is situated approximately 8.5-miles southwest of the subject site, and is considered active according to the Alquist-Priolo Earthquake Fault Zones Act (AP-Zone) of 1994, and is listed as a strike-slip fault with right-lateral motion (https://maps.conservation.ca.gov/cgs/EQZApp/app . Furthermore, the subject site is situated with a mapped zone for liquefication during a moderate to violent earthquake event.

Based on the site closure by the California Regional Water Quality Control Board – Region 2 (RWQCB) of the Mobil Station situated on the southwestern corner of North Winchester Boulevard and Pruneridge Avenue in Santa Clara (https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/7932436883/CLOS_L_1998-04-20.pdf), depth to groundwater was listed between 22.05 feet to 25.55 feet below ground surface (bgs) and flows toward the northeast along topography.

Fieldwork

On May 26, 2022, a ***GeoSolve, Inc.*** field geologist visited the subject site and collected eight surficial soil samples (S-1 through S-8) from approximately 0.5-foot below ground surface (bgs) using laboratory supplied glass jars, which were sealed, labeled, and placed within a pre-chilled ice chest for temporary storage. Soil samples S-1 through S-8 were delivered under chain-of-custody documentation to McCampbell Analytical, Inc., a State-certified hazardous waste testing laboratory (No. 1644) for analysis. Soil samples S-1 through S-8 were analyzed for organochlorine pesticides and arsenic using Environmental Protection Agency (EPA) Methods SW846/SW3550B/3640Am/3630Cm/SW8081A and SW3050B/SW6020. The location of soil samples S-1 through S-8 are shown on Figure 2.

Laboratory Analyses and Results

Laboratory analytical results of soil samples S-1 through S-8 are shown on Table 1 below and the McCampbell Analytical, Inc. laboratory analytical report and chain-of-custody document are attached to this letter report. Most organochlorine pesticides were not detected (less than 0.0002 milligrams per kilogram [mg/Kg] to less than 0.025 mg/Kg). Exceptionally low concentrations of DDT, DDE, DDD, chlordane, and dieldrin were detected in soil sample S-1 (up to 0.0013 mg/Kg) and only DDT and DDE were detected up to 0.19 mg/Kg for DDE in soil sample S-6. Dieldrin

was only detected in soil sample S-1 at a concentration of 0.00076 mg/Kg and chlordane was detected up to 0.056 mg/Kg in soil sample S-1. Arsenic was detected in all soil samples at concentrations ranging from 4.0 mg/Kg to 9.9 mg/Kg and lead was detected in all soil samples at concentrations ranging from 42 mg/Kg to 69 mg/Kg.

Table 1
Laboratory Analysis of Soil Samples
Former St. Mark's Episcopal Church
1957 Pruneridge Avenue
Santa Clara, California
May 26, 2022

Sample ID	Depth (feet)	DDT (mg/Kg)	DDE (mg/Kg)	DDD (mg/Kg)	Chlordane (mg/Kg)	Dieldrin (mg/Kg)	Arsenic (mg/Kg)	Lead (mg/Kg)
S-1	0.5	0.042	0.042	0.0028	0.056	0.00076	4.6	59
S-2	0.5	0.0032	0.0026	0.00031	<0.005	<0.0002	6.7	56
S-3	0.5	0.012	0.037	0.00092	<0.012	<0.0005	9.7	69
S-4	0.5	0.0098	0.031	<0.0005	<0.012	<0.0005	8.5	68
S-5	0.5	0.022	0.048	0.0011	<0.025	<0.001	7.5	42
S-6	0.5	0.043	0.19	0.0015	<0.025	<0.001	9.9	43
S-7	0.5	0.090	0.020	0.0007	<0.005	<0.002	7.0	49
S-8	0.5	0.014	0.031	0.0016	0.0024	<0.0005	4.0	40
ESL	---	*1.9*	*1.8*	*2.7*	*0.48*	*0.037*	*0.067**	*82*

mg/Kg = microliters per liter (equivalent to parts per million [ppm])
< = less than laboratory detection limit.
ESL = Environmental Screening Level for residential development (RWQCB, January 2019).
* = Arsenic background concentrations are remediation goals according to Cal EPA.

Discussion

No significant impacts were detected within the surficial soil samples S-1 through S-8 collected from the site. Exceptionally low concentrations of DDT, DDE, and DDD were detected in soil samples S-1 though S-8, while exceptionally low concentrations of chlordane and dieldrin were only detected in soil samples S-1 and S-8. DDT, DDE, DDD, chlordane, and dieldrin were detected below the California Regional Water Quality Control Board – Region 2 (RWQCB) Environmental Screening Levels (ESLs) for residential development (RWQCB, January 2019) as shown on Table 1. Lead was detected below the residential ESL of 82 mg/Kg in all soil samples analyzed.

Arsenic was the only chemical detected above the ESL for residential development of 0.067 mg/Kg in all samples analyzed; however, these concentrations exhibit background concentrations for the southern Santa Clara Valley (Scott, 1991). In addition, current standard of care methodology through the California Environmental Protection Agency (Cal EPA) and its divisions Department of Toxic Substances Control (DTSC) and the RWQCB utilize background arsenic concentrations to establish permissible levels.

Potential Natural Arsenic Sources and Background Concentrations

Arsenic occurs in more than 200 minerals and is present mainly in the heavy-mineral fraction of soil as arsenate (As^{+5}) or the oxidized form of arsenic. Arsenic is naturally found in the arsenic-ore mineral arsenopyrite (FeAsS) and abundant concentrations of arsenic have been detected in the mineral's pyrite (up to 77,000 mg/Kg), marcasite (up to 126,000 mg/Kg), ferric oxyhydroxide and hematite (up to 77,000 mg/Kg) as trace elements (Campbell, 2006). Conversely, the lowest levels of arsenic are found in granitic sandy soils (Chang and et al., 2004). Higher arsenic levels are associated with alluvial soils, rich in organic matter and soils derived from shales and hydrothermally and metamorphically altered bedrock, ancient hot-spring deposits (Campbell, 2006).

Arsenic Background Concentrations

The RWQCB – San Francisco Bay Region states on pages 3-4 and 3-5 of Appendix 1 in *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater – Volume 2: Background Documentation for the Development of Environmental Screening Levels* (2005) the following:

> "Ambient background concentrations of arsenic in the Bay area soils typically exceed risk-based screening levels for direct-exposure concerns. For example, the risk-based screening level for arsenic in residential soils is 0.39 mg/Kg. The Lawrence Berkeley National Laboratory report Background Distribution of Metals in the Soil at LBNL (LBNL, 2002) presents a range of mean concentrations of arsenic in soil samples from the property of 0.3 mg/Kg to 42 mg/Kg; however, with an arithmetic mean of 5.5 mg/Kg. Soils evaluated at this site span a range of geologic environments. *Based on an informal review of environmental reports submitted to the RWQCB, a range of 5 mg/Kg to 20 mg/Kg is typical for much of the Bay area. Concentrations of arsenic in soil will tend to be higher in soils associated with silicic volcanic rocks and hydrothermally altered rocks.*"

Therefore, although arsenic was detected above the ESL of 0.067 mg/Kg, all detectable concentrations of arsenic detected at the subject site represent background concentrations.

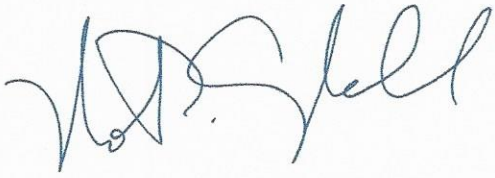
Conclusions and Recommendations

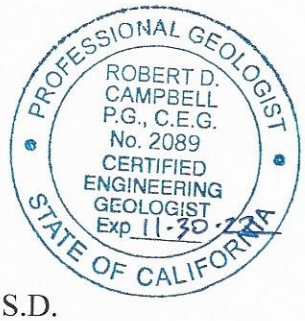
Based on the extremely low concentrations of organochlorine pesticides detected in the surficial soil beneath the site, and arsenic exhibiting background concentrations at the site, further environmental assessment **is not warranted** for the subject site.

Should you have any questions relating to the contents of this report or require any additional information, please contact our office at your convenience.

Sincerely,

GeoSolve, Inc.





Robert D. Campbell, M.S., P.G., C.E.G., Q.S.D.
Principal Engineering Geologist

Copies: 1 to SCS Development, Inc.

Limitations

This report has been prepared for the specific application to this project in a manner consistent with the level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in this area. This report contains information reported to ***GeoSolve, Inc.***, by other sources, accordingly, and errors or omissions may be present that ***GeoSolve, Inc.*** cannot be responsible for. The findings of this report apply to the present condition of the subject property only (as of May 26, 2022); the opinions expressed herein are subject to revision in light of added information relevant to the site and/or in its immediate surroundings. Results from Phase I environmental investigations are based on surficial evidence and public records and databases only. Subsurface conditions of the site cannot be evaluated without performing a subsurface environmental investigation and actually testing of the soil, and groundwater for potential contaminants.

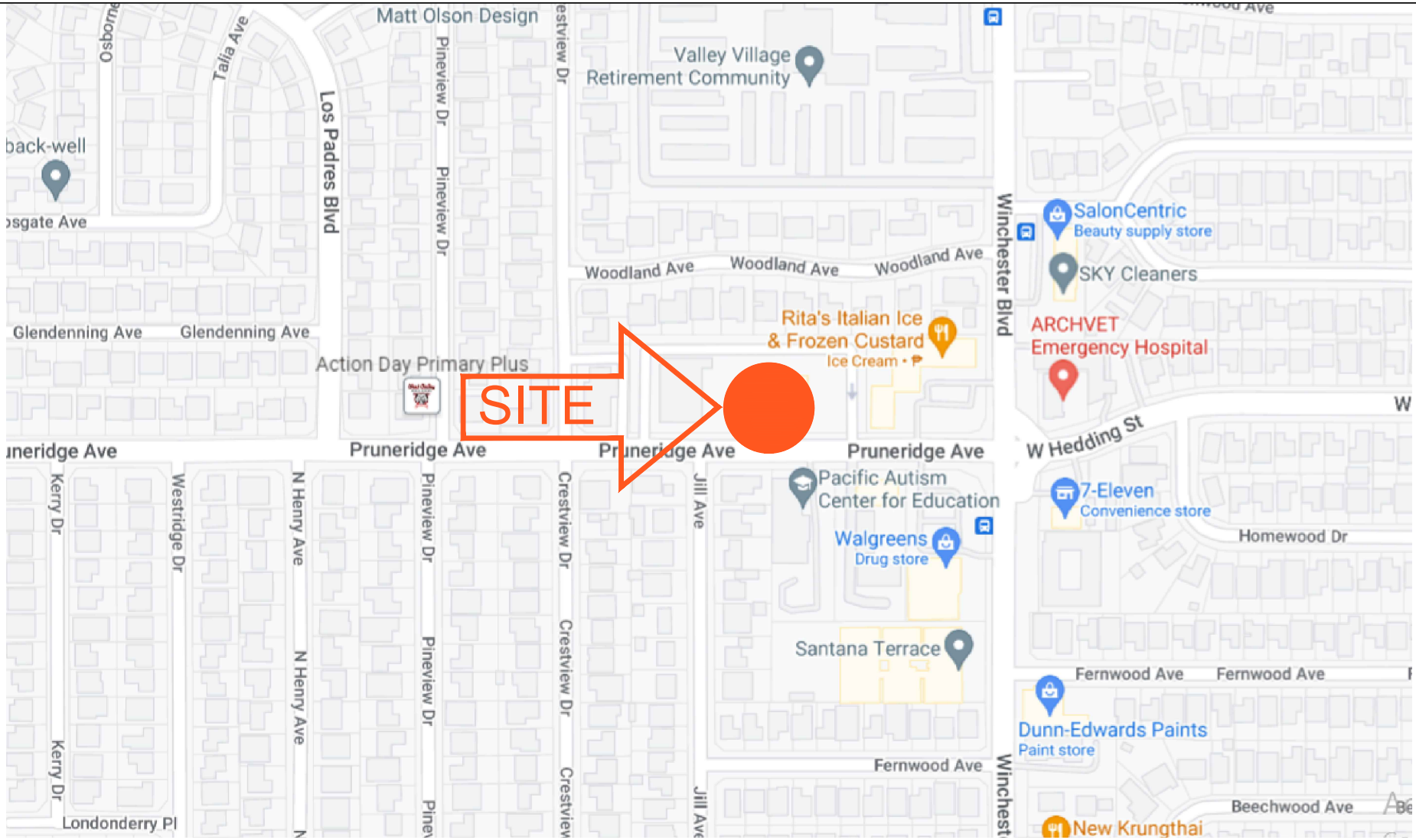
References

Campbell, R.D., March 2006. *Evaluation of Arsenic Levels and Speciation in Groundwater within Pleasanton, California, California State University East, Bay M.S. Geology Thesis, 165 pp.*

Chang, Andrew C., Page, Albert L. and Krage, Natalie J., November 2004. *Role of Fertilizer and Micronutrient Applications on Arsenic, Cadmium and Lead Accumulation in California Cropland Soils*, University of California at Riverside, Department of Environmental Sciences submitted to California Department of Food and Agriculture, 124 pages.

GeoSolve, Inc., May 9, 2022. *Phase I Environmental Site Assessment, 1957 Pruneridge Avenue, Santa Clara, California.*

Scott, Christina Marie, December 1991. *Background Metal Concentrations in Soils in Northern Santa Clara County, California – M.S. Thesis at the University of San Francisco Environmental Management Program*, 7 pages.



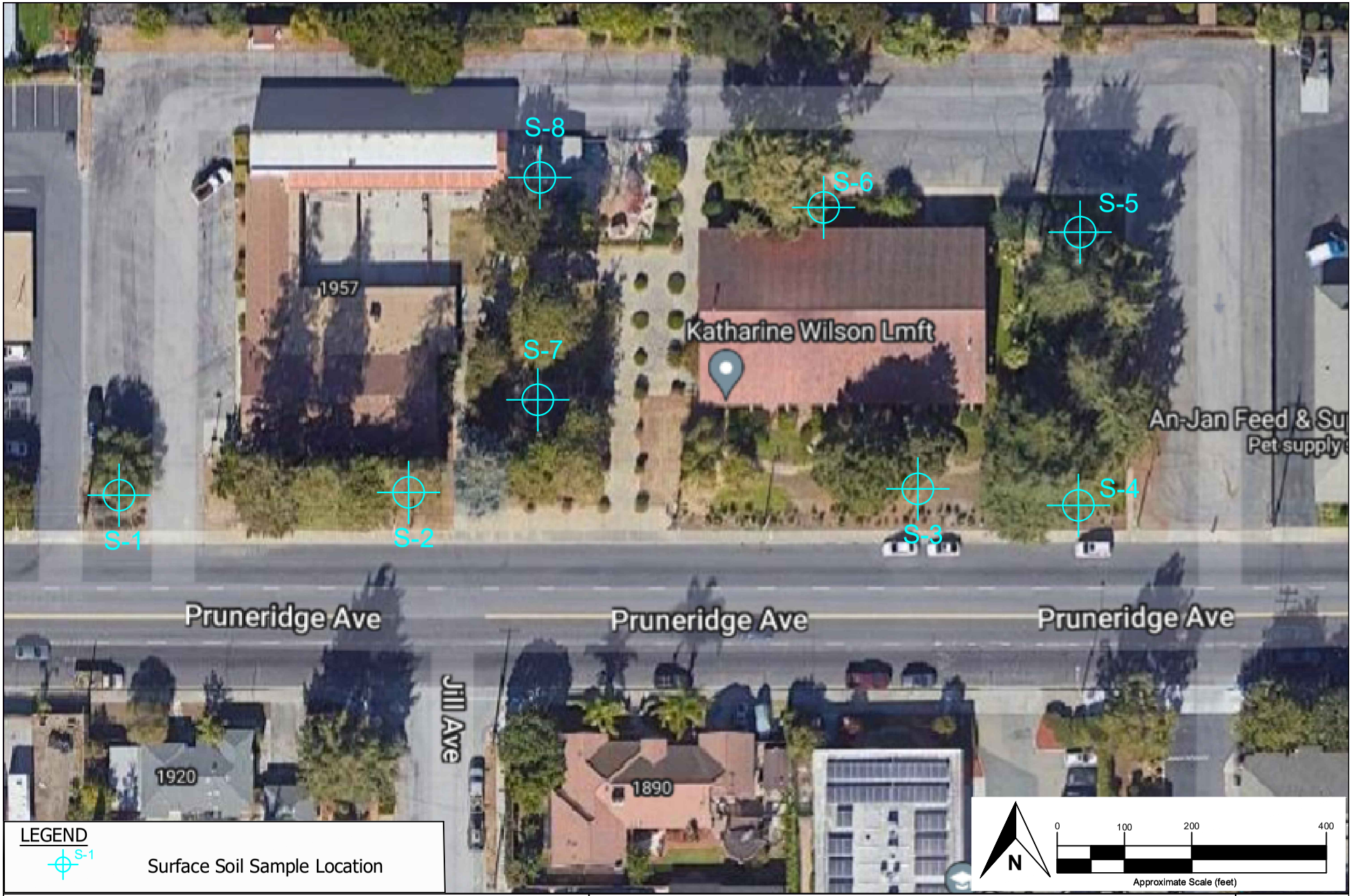
GeoSolve, Inc.
Geoscience solutions rather than Status–Quo
Address: 1807 Santa Rita Rd, Suite H–165
Pleasanton, California 94566
Visit us at www.geosolve-inc.com

VICINITY MAP

PHASE II ENVIRONMENTAL SITE ASSESSMENT
1957 PRUNERIDGE AVENUE
SANTA CLARA, CALIFORNIA

Project No.	Drawn by:
2022-15	GC
Scale:	Date:
NTS	06/2022

Figure No.
1



GeoSolve, Inc.
Geoscience solutions rather than Status–Quo
Address: 1807 Santa Rita Rd, Suite D–165
Pleasanton, California 94566
Visit us at www.geosolve-inc.com

SITE PLAN

PHASE II ENVIRONMENTAL SITE ASSESSMENT
1957 PRUNERIDGE AVENUE
SANTA CLARA, CALIFORNIA

Project No.	Drawn by:
2022-15	GC
Scale:	Date:
AS SHOWN	06/2022

Figure No.
2

McCAMPBELL ANALYTICAL, INC. LABORATORY
ANALYTICAL REPORT AND CHAIN-OF-CUSTODY DOCUMENT

McCampbell Analytical, Inc.
"When Quality Counts"

Analytical Report

WorkOrder: 2205F62

Report Created for: Geosolve, Inc.

1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566

Project Contact: Rob Campbell
Project P.O.: 2022-15
Project: 2022-15; Former St. Mark's Episcopal Church

Project Received: 05/26/2022

Analytical Report reviewed & approved for release on 06/08/2022 by:

Yen Cao
Project 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 a case narrative.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc. **WorkOrder:** 2205F62

Project: 2022-15; Former St. Mark's Episcopal Church

Glossary Abbreviation

%D	Serial Dilution Percent Difference
95% Interval	95% Confident Interval
CPT	Consumer Product Testing not NELAP Accredited
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
LQL	Lowest Quantitation Level
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
NA	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
TZA	TimeZone Net Adjustment for sample collected outside of MAI's UTC.
WET (STLC)	Waste Extraction Test (Soluble Threshold Limit Concentration)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Geosolve, Inc. **WorkOrder:** 2205F62

Project: 2022-15; Former St. Mark's Episcopal Church

Analytical Qualifiers

P	Agreement between quantitative confirmation results exceed method recommended limits.
a2	Sample diluted due to cluttered chromatogram.
h7	Copper (EPA 3660B) cleanup.

Quality Control Qualifiers

F10	MS/MSD outside control limits. Physical or chemical interferences exist due to sample matrix.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	05/31/2022	**Analytical Method:**	SW8081A
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1	**2205F62-001A**	**Soil**	**05/26/2022 10:02**	**GC40 06072227.d**	**246486**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.00050	5	06/07/2022 15:55
a-BHC	ND		0.00050	5	06/07/2022 15:55
b-BHC	ND		0.0015	5	06/07/2022 15:55
d-BHC	ND		0.0010	5	06/07/2022 15:55
g-BHC	ND		0.00050	5	06/07/2022 15:55
Chlordane (Technical)	**0.046**		0.012	5	06/07/2022 15:55
a-Chlordane	**0.0050**		0.00050	5	06/07/2022 15:55
g-Chlordane	**0.0050**		0.00050	5	06/07/2022 15:55
p,p-DDD	**0.0028**	P	0.00050	5	06/07/2022 15:55
p,p-DDE	**0.042**		0.00050	5	06/07/2022 15:55
p,p-DDT	**0.042**		0.00050	5	06/07/2022 15:55
Dieldrin	**0.00076**		0.00050	5	06/07/2022 15:55
Endosulfan I	ND		0.00050	5	06/07/2022 15:55
Endosulfan II	ND		0.00050	5	06/07/2022 15:55
Endosulfan sulfate	ND		0.00050	5	06/07/2022 15:55
Endrin	ND		0.00050	5	06/07/2022 15:55
Endrin aldehyde	ND		0.00050	5	06/07/2022 15:55
Endrin ketone	ND		0.00050	5	06/07/2022 15:55
Heptachlor	ND		0.00050	5	06/07/2022 15:55
Heptachlor epoxide	ND		0.00050	5	06/07/2022 15:55
Hexachlorobenzene	ND		0.0050	5	06/07/2022 15:55
Hexachlorocyclopentadiene	ND		0.010	5	06/07/2022 15:55
Methoxychlor	ND		0.0010	5	06/07/2022 15:55
Toxaphene	ND		0.025	5	06/07/2022 15:55

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	118	20-145	06/07/2022 15:55

Analyst(s): CK

Analytical Comments: a2,h7

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	05/31/2022	**Analytical Method:**	SW8081A
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-2	**2205F62-002A**	**Soil**	**05/26/2022 10:05**	**GC40 06072228.d**	**246486**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00020	2	06/07/2022 16:19
a-BHC	ND	0.00020	2	06/07/2022 16:19
b-BHC	ND	0.00060	2	06/07/2022 16:19
d-BHC	ND	0.00040	2	06/07/2022 16:19
g-BHC	ND	0.00020	2	06/07/2022 16:19
Chlordane (Technical)	ND	0.0050	2	06/07/2022 16:19
a-Chlordane	ND	0.00020	2	06/07/2022 16:19
g-Chlordane	ND	0.00020	2	06/07/2022 16:19
p,p-DDD	**0.00031**	0.00020	2	06/07/2022 16:19
p,p-DDE	**0.0026**	0.00020	2	06/07/2022 16:19
p,p-DDT	**0.0032**	0.00020	2	06/07/2022 16:19
Dieldrin	ND	0.00020	2	06/07/2022 16:19
Endosulfan I	ND	0.00020	2	06/07/2022 16:19
Endosulfan II	ND	0.00020	2	06/07/2022 16:19
Endosulfan sulfate	ND	0.00020	2	06/07/2022 16:19
Endrin	ND	0.00020	2	06/07/2022 16:19
Endrin aldehyde	ND	0.00020	2	06/07/2022 16:19
Endrin ketone	ND	0.00020	2	06/07/2022 16:19
Heptachlor	ND	0.00020	2	06/07/2022 16:19
Heptachlor epoxide	ND	0.00020	2	06/07/2022 16:19
Hexachlorobenzene	ND	0.0020	2	06/07/2022 16:19
Hexachlorocyclopentadiene	ND	0.0040	2	06/07/2022 16:19
Methoxychlor	ND	0.00040	2	06/07/2022 16:19
Toxaphene	ND	0.010	2	06/07/2022 16:19

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	129	20-145	06/07/2022 16:19

Analyst(s): CK Analytical Comments: a2

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	05/31/2022	**Analytical Method:**	SW8081A
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-3	**2205F62-003A**	**Soil**	**05/26/2022 10:10**	**GC40 06072229.d**	**246486**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.00050	5	06/07/2022 16:34
a-BHC	ND		0.00050	5	06/07/2022 16:34
b-BHC	ND		0.0015	5	06/07/2022 16:34
d-BHC	ND		0.0010	5	06/07/2022 16:34
g-BHC	ND		0.00050	5	06/07/2022 16:34
Chlordane (Technical)	ND		0.012	5	06/07/2022 16:34
a-Chlordane	ND		0.00050	5	06/07/2022 16:34
g-Chlordane	ND		0.00050	5	06/07/2022 16:34
p,p-DDD	**0.00092**	P	0.00050	5	06/07/2022 16:34
p,p-DDE	**0.037**		0.00050	5	06/07/2022 16:34
p,p-DDT	**0.012**		0.00050	5	06/07/2022 16:34
Dieldrin	ND		0.00050	5	06/07/2022 16:34
Endosulfan I	ND		0.00050	5	06/07/2022 16:34
Endosulfan II	ND		0.00050	5	06/07/2022 16:34
Endosulfan sulfate	ND		0.00050	5	06/07/2022 16:34
Endrin	ND		0.00050	5	06/07/2022 16:34
Endrin aldehyde	ND		0.00050	5	06/07/2022 16:34
Endrin ketone	ND		0.00050	5	06/07/2022 16:34
Heptachlor	ND		0.00050	5	06/07/2022 16:34
Heptachlor epoxide	ND		0.00050	5	06/07/2022 16:34
Hexachlorobenzene	ND		0.0050	5	06/07/2022 16:34
Hexachlorocyclopentadiene	ND		0.010	5	06/07/2022 16:34
Methoxychlor	ND		0.0010	5	06/07/2022 16:34
Toxaphene	ND		0.025	5	06/07/2022 16:34

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	94	20-145	06/07/2022 16:34

Analyst(s): CK

Analytical Comments: a2

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	05/31/2022	**Analytical Method:**	SW8081A
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-4	**2205F62-004A**	**Soil**	**05/26/2022 10:13**	**GC40 06072230.d**	**246486**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00050	5	06/07/2022 16:49
a-BHC	ND	0.00050	5	06/07/2022 16:49
b-BHC	ND	0.0015	5	06/07/2022 16:49
d-BHC	ND	0.0010	5	06/07/2022 16:49
g-BHC	ND	0.00050	5	06/07/2022 16:49
Chlordane (Technical)	ND	0.012	5	06/07/2022 16:49
a-Chlordane	ND	0.00050	5	06/07/2022 16:49
g-Chlordane	ND	0.00050	5	06/07/2022 16:49
p,p-DDD	ND	0.00050	5	06/07/2022 16:49
p,p-DDE	**0.031**	0.00050	5	06/07/2022 16:49
p,p-DDT	**0.0098**	0.00050	5	06/07/2022 16:49
Dieldrin	ND	0.00050	5	06/07/2022 16:49
Endosulfan I	ND	0.00050	5	06/07/2022 16:49
Endosulfan II	ND	0.00050	5	06/07/2022 16:49
Endosulfan sulfate	ND	0.00050	5	06/07/2022 16:49
Endrin	ND	0.00050	5	06/07/2022 16:49
Endrin aldehyde	ND	0.00050	5	06/07/2022 16:49
Endrin ketone	ND	0.00050	5	06/07/2022 16:49
Heptachlor	ND	0.00050	5	06/07/2022 16:49
Heptachlor epoxide	ND	0.00050	5	06/07/2022 16:49
Hexachlorobenzene	ND	0.0050	5	06/07/2022 16:49
Hexachlorocyclopentadiene	ND	0.010	5	06/07/2022 16:49
Methoxychlor	ND	0.0010	5	06/07/2022 16:49
Toxaphene	ND	0.025	5	06/07/2022 16:49

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	90	20-145	06/07/2022 16:49

Analyst(s): CK Analytical Comments: a2

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	05/31/2022	**Analytical Method:**	SW8081A
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-5	**2205F62-005A**	**Soil**	**05/26/2022 10:16**	**GC40 06072231.d**	**246486**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.0010	10	06/07/2022 17:04
a-BHC	ND	0.0010	10	06/07/2022 17:04
b-BHC	ND	0.0030	10	06/07/2022 17:04
d-BHC	ND	0.0020	10	06/07/2022 17:04
g-BHC	ND	0.0010	10	06/07/2022 17:04
Chlordane (Technical)	ND	0.025	10	06/07/2022 17:04
a-Chlordane	ND	0.0010	10	06/07/2022 17:04
g-Chlordane	ND	0.0010	10	06/07/2022 17:04
p,p-DDD	**0.0011**	0.0010	10	06/07/2022 17:04
p,p-DDE	**0.048**	0.0010	10	06/07/2022 17:04
p,p-DDT	**0.022**	0.0010	10	06/07/2022 17:04
Dieldrin	ND	0.0010	10	06/07/2022 17:04
Endosulfan I	ND	0.0010	10	06/07/2022 17:04
Endosulfan II	ND	0.0010	10	06/07/2022 17:04
Endosulfan sulfate	ND	0.0010	10	06/07/2022 17:04
Endrin	ND	0.0010	10	06/07/2022 17:04
Endrin aldehyde	ND	0.0010	10	06/07/2022 17:04
Endrin ketone	ND	0.0010	10	06/07/2022 17:04
Heptachlor	ND	0.0010	10	06/07/2022 17:04
Heptachlor epoxide	ND	0.0010	10	06/07/2022 17:04
Hexachlorobenzene	ND	0.010	10	06/07/2022 17:04
Hexachlorocyclopentadiene	ND	0.020	10	06/07/2022 17:04
Methoxychlor	ND	0.0020	10	06/07/2022 17:04
Toxaphene	ND	0.050	10	06/07/2022 17:04

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	97	20-145	06/07/2022 17:04

Analyst(s): CK Analytical Comments: a2

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	05/31/2022	**Analytical Method:**	SW8081A
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-6	**2205F62-006A**	**Soil**	**05/26/2022 10:21**	**GC40 06072232.d**	**246486**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.0010	10	06/07/2022 17:19
a-BHC	ND		0.0010	10	06/07/2022 17:19
b-BHC	ND		0.0030	10	06/07/2022 17:19
d-BHC	ND		0.0020	10	06/07/2022 17:19
g-BHC	ND		0.0010	10	06/07/2022 17:19
Chlordane (Technical)	ND		0.025	10	06/07/2022 17:19
a-Chlordane	ND		0.0010	10	06/07/2022 17:19
g-Chlordane	ND		0.0010	10	06/07/2022 17:19
p,p-DDD	**0.0015**	P	0.0010	10	06/07/2022 17:19
p,p-DDE	**0.19**		0.0010	10	06/07/2022 17:19
p,p-DDT	**0.043**		0.0010	10	06/07/2022 17:19
Dieldrin	ND		0.0010	10	06/07/2022 17:19
Endosulfan I	ND		0.0010	10	06/07/2022 17:19
Endosulfan II	ND		0.0010	10	06/07/2022 17:19
Endosulfan sulfate	ND		0.0010	10	06/07/2022 17:19
Endrin	ND		0.0010	10	06/07/2022 17:19
Endrin aldehyde	ND		0.0010	10	06/07/2022 17:19
Endrin ketone	ND		0.0010	10	06/07/2022 17:19
Heptachlor	ND		0.0010	10	06/07/2022 17:19
Heptachlor epoxide	ND		0.0010	10	06/07/2022 17:19
Hexachlorobenzene	ND		0.010	10	06/07/2022 17:19
Hexachlorocyclopentadiene	ND		0.020	10	06/07/2022 17:19
Methoxychlor	ND		0.0020	10	06/07/2022 17:19
Toxaphene	ND		0.050	10	06/07/2022 17:19

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	104	20-145	06/07/2022 17:19

Analyst(s): CK

Analytical Comments: a2

(Cont.)

CA ELAP 1644 • NELAP 4033ORELAP

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	05/31/2022	**Analytical Method:**	SW8081A
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-7	**2205F62-007A**	**Soil**	**05/26/2022 10:25**	**GC40 06072233.d**	**246486**

Analytes	Result	RL	DF	Date Analyzed
Aldrin	ND	0.00020	2	06/07/2022 17:35
a-BHC	ND	0.00020	2	06/07/2022 17:35
b-BHC	ND	0.00060	2	06/07/2022 17:35
d-BHC	ND	0.00040	2	06/07/2022 17:35
g-BHC	ND	0.00020	2	06/07/2022 17:35
Chlordane (Technical)	ND	0.0050	2	06/07/2022 17:35
a-Chlordane	ND	0.00020	2	06/07/2022 17:35
g-Chlordane	ND	0.00020	2	06/07/2022 17:35
p,p-DDD	**0.00070**	0.00020	2	06/07/2022 17:35
p,p-DDE	**0.020**	0.00020	2	06/07/2022 17:35
p,p-DDT	**0.0090**	0.00020	2	06/07/2022 17:35
Dieldrin	ND	0.00020	2	06/07/2022 17:35
Endosulfan I	ND	0.00020	2	06/07/2022 17:35
Endosulfan II	ND	0.00020	2	06/07/2022 17:35
Endosulfan sulfate	ND	0.00020	2	06/07/2022 17:35
Endrin	ND	0.00020	2	06/07/2022 17:35
Endrin aldehyde	ND	0.00020	2	06/07/2022 17:35
Endrin ketone	ND	0.00020	2	06/07/2022 17:35
Heptachlor	ND	0.00020	2	06/07/2022 17:35
Heptachlor epoxide	ND	0.00020	2	06/07/2022 17:35
Hexachlorobenzene	ND	0.0020	2	06/07/2022 17:35
Hexachlorocyclopentadiene	ND	0.0040	2	06/07/2022 17:35
Methoxychlor	ND	0.00040	2	06/07/2022 17:35
Toxaphene	ND	0.010	2	06/07/2022 17:35

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	97	20-145	06/07/2022 17:35

Analyst(s): CK Analytical Comments: a2

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3550B/3640Am/3630Cm
Date Prepared:	05/31/2022	**Analytical Method:**	SW8081A
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/kg

Organochlorine Pesticides w/ Florisil Clean-up

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-8	**2205F62-008A**	**Soil**	**05/26/2022 10:28**	**GC40 06072234.d**	**246486**

Analytes	Result	Qualifiers	RL	DF	Date Analyzed
Aldrin	ND		0.00050	5	06/07/2022 17:50
a-BHC	ND		0.00050	5	06/07/2022 17:50
b-BHC	ND		0.0015	5	06/07/2022 17:50
d-BHC	ND		0.0010	5	06/07/2022 17:50
g-BHC	ND		0.00050	5	06/07/2022 17:50
Chlordane (Technical)	ND		0.012	5	06/07/2022 17:50
a-Chlordane	**0.0011**		0.00050	5	06/07/2022 17:50
g-Chlordane	**0.0013**	P	0.00050	5	06/07/2022 17:50
p,p-DDD	**0.0016**	P	0.00050	5	06/07/2022 17:50
p,p-DDE	**0.031**		0.00050	5	06/07/2022 17:50
p,p-DDT	**0.014**		0.00050	5	06/07/2022 17:50
Dieldrin	ND		0.00050	5	06/07/2022 17:50
Endosulfan I	ND		0.00050	5	06/07/2022 17:50
Endosulfan II	ND		0.00050	5	06/07/2022 17:50
Endosulfan sulfate	ND		0.00050	5	06/07/2022 17:50
Endrin	ND		0.00050	5	06/07/2022 17:50
Endrin aldehyde	ND		0.00050	5	06/07/2022 17:50
Endrin ketone	ND		0.00050	5	06/07/2022 17:50
Heptachlor	ND		0.00050	5	06/07/2022 17:50
Heptachlor epoxide	ND		0.00050	5	06/07/2022 17:50
Hexachlorobenzene	ND		0.0050	5	06/07/2022 17:50
Hexachlorocyclopentadiene	ND		0.010	5	06/07/2022 17:50
Methoxychlor	**0.0028**		0.0010	5	06/07/2022 17:50
Toxaphene	ND		0.025	5	06/07/2022 17:50

Surrogates	REC (%)	Limits	
Decachlorobiphenyl	130	20-145	06/07/2022 17:50

Analyst(s): CK

Analytical Comments: a2

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3050B
Date Prepared:	05/27/2022-06/02/2022	**Analytical Method:**	SW6020
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/Kg

Arsenic and Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-1	**2205F62-001A**	**Soil**	**05/26/2022 10:02**	**ICP-MS4 186SMPL.d**	**246321**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**4.6**	0.50	1	05/31/2022 15:49
Lead	**59**	0.50	1	05/31/2022 15:49

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/31/2022 15:49

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-2	**2205F62-002A**	**Soil**	**05/26/2022 10:05**	**ICP-MS4 187SMPL.d**	**246321**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**6.7**	0.50	1	05/31/2022 15:53
Lead	**56**	0.50	1	05/31/2022 15:53

Surrogates	REC (%)	Limits	
Terbium	109	70-130	05/31/2022 15:53

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-3	**2205F62-003A**	**Soil**	**05/26/2022 10:10**	**ICP-MS4 188SMPL.d**	**246321**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**9.7**	0.50	1	05/31/2022 15:57
Lead	**69**	0.50	1	05/31/2022 15:57

Surrogates	REC (%)	Limits	
Terbium	106	70-130	05/31/2022 15:57

Analyst(s): DB

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3050B
Date Prepared:	05/27/2022-06/02/2022	**Analytical Method:**	SW6020
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/Kg

Arsenic and Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-4	**2205F62-004A**	**Soil**	**05/26/2022 10:13**	**ICP-MS4 253SMPL.d**	**246328**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**8.5**	0.50	1	05/27/2022 19:44
Lead	**68**	0.50	1	05/27/2022 19:44

Surrogates	REC (%)	Limits	
Terbium	108	70-130	05/27/2022 19:44

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-5	**2205F62-005A**	**Soil**	**05/26/2022 10:16**	**ICP-MS4 189SMPL.d**	**246328**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**7.5**	0.50	1	05/31/2022 16:01
Lead	**42**	0.50	1	05/31/2022 16:01

Surrogates	REC (%)	Limits	
Terbium	77	70-130	05/31/2022 16:01

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-6	**2205F62-006A**	**Soil**	**05/26/2022 10:21**	**ICP-MS5 130SMPL.d**	**246633**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**9.9**	0.50	1	06/03/2022 11:18
Lead	**43**	0.50	1	06/03/2022 11:18

Surrogates	REC (%)	Limits	
Terbium	119	70-130	06/03/2022 11:18

Analyst(s): AL

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Received:	05/26/2022 11:45	**Extraction Method:**	SW3050B
Date Prepared:	05/27/2022-06/02/2022	**Analytical Method:**	SW6020
Project:	2022-15; Former St. Mark's Episcopal Church	**Unit:**	mg/Kg

Arsenic and Lead

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-7	**2205F62-007A**	**Soil**	**05/26/2022 10:25**	**ICP-MS4 191SMPL.d**	**246328**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**7.0**	0.50	1	05/31/2022 16:09
Lead	**49**	0.50	1	05/31/2022 16:09

Surrogates	REC (%)	Limits	
Terbium	103	70-130	05/31/2022 16:09

Analyst(s): DB

Client ID	Lab ID	Matrix	Date Collected	Instrument	Batch ID
S-8	**2205F62-008A**	**Soil**	**05/26/2022 10:28**	**ICP-MS4 192SMPL.d**	**246328**

Analytes	Result	RL	DF	Date Analyzed
Arsenic	**4.0**	0.50	1	05/31/2022 16:13
Lead	**40**	0.50	1	05/31/2022 16:13

Surrogates	REC (%)	Limits	
Terbium	111	70-130	05/31/2022 16:13

Analyst(s): DB

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Prepared:	05/31/2022	**BatchID:**	246486
Date Analyzed:	06/06/2022	**Extraction Method:**	SW3550B/3640Am/3630Cm
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	2022-15; Former St. Mark's Episcopal Church	**Sample ID:**	MB/LCS/LCSD-246486

QC Summary Report for SW8081A/8082

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Aldrin	ND	0.000036	0.00010	-	-	-
a-BHC	ND	0.000025	0.00010	-	-	-
b-BHC	ND	0.00025	0.00030	-	-	-
d-BHC	ND	0.00013	0.00020	-	-	-
g-BHC	ND	0.000066	0.00010	-	-	-
Chlordane (Technical)	ND	0.00043	0.0025	-	-	-
a-Chlordane	ND	0.000095	0.00010	-	-	-
g-Chlordane	ND	0.000047	0.00010	-	-	-
p,p-DDD	ND	0.000043	0.00010	-	-	-
p,p-DDE	ND	0.000094	0.00010	-	-	-
p,p-DDT	ND	0.000092	0.00010	-	-	-
Dieldrin	ND	0.000061	0.00010	-	-	-
Endosulfan I	ND	0.000048	0.00010	-	-	-
Endosulfan II	ND	0.000076	0.00010	-	-	-
Endosulfan sulfate	ND	0.000078	0.00010	-	-	-
Endrin	ND	0.000035	0.00010	-	-	-
Endrin aldehyde	ND	0.000067	0.00010	-	-	-
Endrin ketone	ND	0.000084	0.00010	-	-	-
Heptachlor	ND	0.000040	0.00010	-	-	-
Heptachlor epoxide	ND	0.000054	0.00010	-	-	-
Hexachlorobenzene	ND	0.00011	0.0010	-	-	-
Hexachlorocyclopentadiene	ND	0.00034	0.0020	-	-	-
Methoxychlor	ND	0.00013	0.00020	-	-	-
Toxaphene	ND	0.0034	0.0050	-	-	-
Surrogate Recovery						
Decachlorobiphenyl	0.0055			0.005	110	28-170

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Prepared:	05/31/2022	**BatchID:**	246486
Date Analyzed:	06/06/2022	**Extraction Method:**	SW3550B/3640Am/3630Cm
Instrument:	GC40	**Analytical Method:**	SW8081A
Matrix:	Soil	**Unit:**	mg/kg
Project:	2022-15; Former St. Mark's Episcopal Church	**Sample ID:**	MB/LCS/LCSD-246486

QC Summary Report for SW8081A/8082

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Aldrin	0.0046	0.0047	0.0050	92	93	31-155	1.68	20
a-BHC	0.0048	0.0049	0.0050	96	99	32-160	3.15	20
b-BHC	0.0041	0.0042	0.0050	82	84	44-149	1.84	20
d-BHC	0.0049	0.0050	0.0050	99	100	37-157	1.53	20
g-BHC	0.0047	0.0048	0.0050	94	97	43-154	2.63	20
a-Chlordane	0.0045	0.0045	0.0050	90	91	39-150	1.43	20
g-Chlordane	0.0048	0.0049	0.0050	97	98	39-151	1.34	20
p,p-DDD	0.0047	0.0048	0.0050	94	97	30-158	2.68	20
p,p-DDE	0.0048	0.0048	0.0050	96	97	47-149	1.33	20
p,p-DDT	0.0051	0.0052	0.0050	102	104	56-166	2.05	20
Dieldrin	0.0043	0.0043	0.0050	85	87	50-163	1.78	20
Endosulfan I	0.0043	0.0044	0.0050	86	88	45-159	1.57	20
Endosulfan II	0.0044	0.0045	0.0050	88	90	41-155	3.13	20
Endosulfan sulfate	0.0043	0.0044	0.0050	86	88	45-156	2.76	20
Endrin	0.0049	0.0049	0.0050	98	99	54-154	1.38	20
Endrin aldehyde	0.0039	0.0040	0.0050	79	81	27-159	2.23	20
Endrin ketone	0.0040	0.0041	0.0050	80	83	40-147	2.98	20
Heptachlor	0.0046	0.0046	0.0050	91	93	52-165	1.82	20
Heptachlor epoxide	0.0041	0.0041	0.0050	82	83	46-145	0.867	20
Hexachlorobenzene	0.0041	0.0042	0.0050	81	83	22-156	2.68	20
Hexachlorocyclopentadiene	0.0041	0.0044	0.0050	82	89	43-173	7.15	20
Methoxychlor	0.0048	0.0049	0.0050	96	98	49-150	1.72	20
Surrogate Recovery								
Decachlorobiphenyl	0.0059	0.0058	0.0050	119	116	28-170	2.34	20

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Prepared:	05/27/2022	**BatchID:**	246321
Date Analyzed:	05/31/2022	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2022-15; Former St. Mark's Episcopal Church	**Sample ID:**	MB/LCS/LCSD-246321

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.14	0.50	-	-	-
Lead	ND	0.069	0.50	-	-	-
Surrogate Recovery						
Terbium	550			500	110	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	54	53	50	108	106	75-125	1.92	20
Lead	51	52	50	102	104	75-125	1.11	20
Surrogate Recovery								
Terbium	520	560	500	104	111	70-130	7.17	20

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Prepared:	05/27/2022	**BatchID:**	246328
Date Analyzed:	05/27/2022	**Extraction Method:**	SW3050B
Instrument:	ICP-MS4	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2022-15; Former St. Mark's Episcopal Church	**Sample ID:**	MB/LCS/LCSD-246328 2205F62-004AMS/MSD

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.14	0.50	-	-	-
Lead	ND	0.069	0.50	-	-	-
Surrogate Recovery						
Terbium	540			500	107	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	51	50	50	101	100	75-125	0.707	20
Lead	49	48	50	98	97	75-125	1.36	20
Surrogate Recovery								
Terbium	540	530	500	109	105	70-130	3.31	20

Analyte	MS DF	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Arsenic	1	63	60	50	8.539	108	103	75-125	4.47	20
Lead	1	130	130	50	68.29	130,F10	121	75-125	3.76	20
Surrogate Recovery										
Terbium	1	570	520	500		114	105	70-130	8.28	20

Analyte	DLT Result	DLTRef Val	%D	%D Limit
Arsenic	8.0	8.539	6.31	-
Lead	69	68.29	1.04	20

%D Control Limit applied to analytes with concentrations greater than 25 times the reporting limits.

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Geosolve, Inc.	**WorkOrder:**	2205F62
Date Prepared:	06/02/2022	**BatchID:**	246633
Date Analyzed:	06/03/2022	**Extraction Method:**	SW3050B
Instrument:	ICP-MS5	**Analytical Method:**	SW6020
Matrix:	Soil	**Unit:**	mg/kg
Project:	2022-15; Former St. Mark's Episcopal Church	**Sample ID:**	MB/LCS/LCSD-246633

QC Summary Report for Metals

Analyte	MB Result	MDL	RL	SPK Val	MB SS %REC	MB SS Limits
Arsenic	ND	0.14	0.50	-	-	-
Lead	ND	0.069	0.50	-	-	-
Surrogate Recovery						
Terbium	490			500	99	70-130

Analyte	LCS Result	LCSD Result	SPK Val	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Limit
Arsenic	51	52	50	102	103	75-125	1.17	20
Lead	52	52	50	103	105	75-125	1.50	20
Surrogate Recovery								
Terbium	570	570	500	113	114	70-130	0.443	20

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 2205F62 **ClientCode: GSP**

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

Report to:
Rob Campbell
Geosolve, Inc.
1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566
(925) 963-1198 FAX:

Email: rcampbell@geosolve-inc.com
cc/3rd Party:
PO: 2022-15
Project: 2022-15; Former St. Mark's Episcopal Church

Bill to:
Accounts Payable
Geosolve, Inc.
1807 Santa Rita Rd; Suite H
Pleasanton, CA 94566
rcampbell@geosolve-inc.com

Requested TAT: 5 days;

Date Received: 05/26/2022
Date Logged: 05/26/2022

Lab ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
2205F62-001	S-1	Soil	5/26/2022 10:02	☐	A	A	A									
2205F62-002	S-2	Soil	5/26/2022 10:05	☐	A	A	A									
2205F62-003	S-3	Soil	5/26/2022 10:10	☐	A	A	A									
2205F62-004	S-4	Soil	5/26/2022 10:13	☐	A	A	A									
2205F62-005	S-5	Soil	5/26/2022 10:16	☐	A	A	A									
2205F62-006	S-6	Soil	5/26/2022 10:21	☐	A	A	A									
2205F62-007	S-7	Soil	5/26/2022 10:25	☐	A	A	A									
2205F62-008	S-8	Soil	5/26/2022 10:28	☐	A	A	A									

Test Legend:

1	8081_ESL_LL_S	2	PBASMS_TTLC_S	3	PRDisposal Fee	4	
5		6		7		8	
9		10		11		12	

Prepared by: Agustina Venegas

Comments:

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

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2022-15; Former St. Mark's Episcopal Church **Work Order:** 2205F62
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** **Date Logged:** 5/26/2022

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
001A	S-1	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	5/26/2022 10:02	5 days	6/3/2022		☐	☐
			SW8081A (OC Pesticides) ESLs w/ Florisil Clean-up			☐	☐	☐		5 days	6/7/2022		☐	☐
002A	S-2	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	5/26/2022 10:05	5 days	6/3/2022		☐	☐
			SW8081A (OC Pesticides) ESLs w/ Florisil Clean-up			☐	☐	☐		5 days	6/7/2022		☐	☐
003A	S-3	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	5/26/2022 10:10	5 days	6/3/2022		☐	☐
			SW8081A (OC Pesticides) ESLs w/ Florisil Clean-up			☐	☐	☐		5 days	6/7/2022		☐	☐
004A	S-4	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	5/26/2022 10:13	5 days	6/3/2022		☐	☐
			SW8081A (OC Pesticides) ESLs w/ Florisil Clean-up			☐	☐	☐		5 days	6/7/2022		☐	☐
005A	S-5	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	5/26/2022 10:16	5 days	6/3/2022		☐	☐
			SW8081A (OC Pesticides) ESLs w/ Florisil Clean-up			☐	☐	☐		5 days	6/7/2022		☐	☐
006A	S-6	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	5/26/2022 10:21	5 days	6/3/2022		☐	☐
			SW8081A (OC Pesticides) ESLs w/ Florisil Clean-up			☐	☐	☐		5 days	6/7/2022		☐	☐

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.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: GEOSOLVE, INC. **Project:** 2022-15; Former St. Mark's Episcopal Church **Work Order:** 2205F62
Client Contact: Rob Campbell **QC Level:** LEVEL 2
Contact's Email: rcampbell@geosolve-inc.com **Comments:** **Date Logged:** 5/26/2022

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

LabID	ClientSampID	Matrix	Test Name	Containers /Composites	Bottle & Preservative	U**	Head Space	Dry-Weight	Collection Date & Time	TAT	Test Due Date	Sediment Content	Hold	Sub Out
007A	S-7	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	5/26/2022 10:25	5 days	6/3/2022		☐	☐
			SW8081A (OC Pesticides) ESLs w/ Florisil Clean-up			☐	☐	☐		5 days	6/7/2022		☐	☐
008A	S-8	Soil	SW6020 (Arsenic & Lead)	1	4OZ GJ, Unpres	☐	☐	☐	5/26/2022 10:28	5 days	6/3/2022		☐	☐
			SW8081A (OC Pesticides) ESLs w/ Florisil Clean-up			☐	☐	☐		5 days	6/7/2022		☐	☐

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.

U = An unpreserved container was received for a method that suggests a preservation in order to extend hold time for analysis.**

General COC

MAI Work Order # 2205F62

McCAMPBELL ANALYTICAL, INC.

1534 Willow Pass Rd. Pittsburg, Ca. 94565-1701
Telephone: (877) 252-9262 / Fax: (925) 252-9269
www.mccampbell.com main@mccampbell.com

CHAIN OF CUSTODY RECORD

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

Report To:Rob Campbell Bill To:GeoSolve, Inc.
Company:GeoSolve, Inc.
Address:111 Bank Street Ste 392 Grass Valley CA 94945
Email:rcampbell@geosolve-inc.com Tele:925-963-1198
Project Name:Former St. Mark's Episcopal Church Project #: 2022-15
Project Location:1957 Pruneridge Ave, Santa Clara CA PO # 2022-15
Sampler Signature:

SAMPLE ID Location / Field Point	Sampling Date	Sampling Time	#Containers	Matrix	Preservative	Multi Range as Gas, Diesel, and Motor Oil (8021/8015)	BTEX & TPH as Gas (8021/ 8015) MTBE	TPH as Diesel (8015) + Motor Oil Without Silica Gel	TPH as Diesel (8015) + Motor Oil With Silca 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	EPA 6010B one		
S-1	5/26/22	10:02	1	Soil	Ice								✓						✓			✓		
S-2	5/26/22	10:05	1	Soil	Ice								✓						✓			✓		
S-3	5/26/22	10:10	1	Soil	Ice								✓						✓			✓		
S-4	5/26/22	10:13	1	Soil	Ice								✓						✓			✓		
S-5	5/26/22	10:16	1	Soil	Ice								✓						✓			✓		
S-6	5/26/22	10:21	1	Soil	Ice								✓						✓			✓		
S-7	5/26/22	10:25	1	Soil	Ice								✓						✓			✓		
S-8	5/26/22	10:28	1	Soil	Ice								✓						✓			✓		

Analysis Requested

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.

Relinquished By / Company Name	Date	Time	Received By / Company Name	Date	Time
GeoSolve Inc	5/26/22	11:45	[signature]	5/26/2022	1145

Comments / Instructions

* AS & PB

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 4.4 °C Initials WPT

*ESLs Added 5/26/2022 PER EMAIL.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name:	**Geosolve, Inc.**	Date and Time Received:	**5/26/2022 11:45**
Project:	**2022-15; Former St. Mark's Episcopal Church**	Date Logged:	**5/26/2022**
		Received by:	Agustina Venegas
WorkOrder №:	**2205F62** Matrix: Soil	Logged by:	Agustina Venegas
Carrier:	Client Drop-In		

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 ☑
Custody seals intact on sample bottles?	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: 4.4°C				NA ☐
ZHS conditional analyses: VOA meets zero headspace requirement (VOCs, TPHg/BTEX, RSK)?	Yes	☐	No	☐	NA ☑
Sample labels checked for correct preservation?	Yes	☑	No	☐	
pH acceptable upon receipt (Metal: <2; Nitrate 353.2/4500NO3: <2; 522: <4; 218.7: >8)?	Yes	☐	No	☐	NA ☑
UCMR Samples:					
pH tested and acceptable upon receipt (200.7: ≤2; 533: 6 - 8; 537.1: 6 - 8)?	Yes	☐	No	☐	NA ☑
Free Chlorine tested and acceptable upon receipt (<0.1mg/L) [not applicable to 200.7]?	Yes	☐	No	☐	NA ☑

Comments: