



Phase II Environmental Site Assessment – Subsurface
Investigation

Office Building
1601 Civic Center Drive
Santa Clara, California 95050

Prepared for

Charities Housing
1400 Parkmoor Avenue, Suite 190
San Jose, California 95116

Prepared by

Professional Service Industries, Inc.
4703 Tidewater Avenue, Suite B
Oakland, California 94601

February 17, 2022

PSI Project Number: 0575-1999



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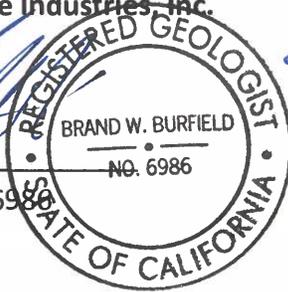
STATEMENT OF LIMITATIONS AND PROFESSIONAL CERTIFICATION

The information provided in this Phase II Environmental Site Assessment – Subsurface Investigation prepared by Professional Service Industries, Inc. (PSI), Project Number 0575-1999, is intended exclusively for Charities Housing for the evaluation of soil, as it pertains to the subject property in Santa Clara, California at the time the activities were conducted. No unnamed third party shall have the right to rely on this report without the express written consent of PSI. The professional services provided have been performed in accordance with practices generally accepted by other environmental professionals, geologists, hydrologists, hydrogeologists, engineers, and environmental scientists practicing in this field. No other warranty, either expressed or implied, is made. As with all subsurface investigations, there is no guarantee that the work conducted has identified any and all sources or locations of hazardous substances or chemicals in the soil or groundwater.

Professional Service Industries, Inc.



Brand Burfield, PG 6986
Project Geologist





Frank R. Poss
Department Manager
Principal Consultant



1.0 INTRODUCTION

Professional Service Industries, Inc. (PSI) was retained by Charities Housing to evaluate the possible impact to the subsurface at the subject property associated with the former use of the subject property.

1.1 SITE LOCATION AND DESCRIPTION

The subject property is located at the northeast corner of Lincoln Street and Civic Center Drive with an address of 1601 Civic Center Drive, Santa Clara, California 95050 (see Figure 1 – Site Location Map). The site can also be defined by Santa Clara County Assessor Parcel Number: 224-49-006.

Currently, the subject property is developed with a two-story building that totals approximately 30,000 square feet on a 1.49-acre property. The building is currently unoccupied and appeared to previously function as an office space. The building includes multiple offices, break rooms, restrooms, and conference rooms. The subject property also has parking and limited landscaping. The site is surfaced primarily with asphalt-paved parking and drive areas and small perimeter landscape strips (see Figure 2 – Site Plan and Boring Location Map).

1.2 PROJECT UNDERSTANDING

A Phase I Environmental Site Assessment dated September 3, 2021 and prepared by PSI did not identify any recognized environmental conditions (RECs), historical RECs, or controlled RECS on the subject property. The subject property was historically used for agricultural purposes with the existing building constructed by the early 1970s.

However, PSI understands that the City of Santa Clara requires additional testing completed for the subject property. Since the only potential environmental impairment identified in the ESA was the former agricultural use, an assessment for pesticides in near-surface soil as the contaminants of concern was performed.

1.3 PURPOSE AND SCOPE OF WORK

PSI was retained by Charities Housing to perform a subsurface soil investigation at the site to evaluate soil conditions across the site for possible pesticide impact to the near surface soil resulting from historical agricultural use.



2.0 SOIL INVESTIGATION

2.1 PRELIMINARY FIELD ACTIVITIES

Prior to the commencement of drilling activities, PSI marked the proposed boring locations in white paint and contacted Underground Service Alert (USA), a public utility locating service, to locate public utilities on or adjacent to the subject site.

2.2 SOIL AND GROUNDWATER SAMPLING

On February 4, 2022, under the supervision of Mr. Brand Burfield of PSI, Cascade Environmental Drilling of Richmond, California, a C-57 licensed well drilling contractor, advanced five soil borings (P1 thorough P5). The borings were spread across the property and were advanced to a depth of 4 feet bgs. The soil boring locations are depicted in Figure 2.

Soil Sampling

The soil borings were advanced using a Geoprobe direct-push drill rig. Soil samples were collected in acetate tubes by a State of California Professional Geologist. Upon retrieval of the sample tube, representative soil samples were preserved for chemical analyses. Soil samples were collected at 1 and 4 feet bgs.

Soil lithology was described by the PSI professional and recorded on a field boring log for each boring drilled. The data recorded on the logs was based on examination of soil samples retrieved and drilling conditions observed in the field. Soils were classified in general accordance with the Unified Soil Classification System. Beneath the encountered pavements, the subsurface soils observed during drilling activities generally consisted of silty clay with some interbeds of well graded sand and silt to the total depth explored. Groundwater was not encountered in any of the borings with a previous geotechnical report for the property indicating that groundwater is at approximately 7 to 9 feet bgs. The boring logs are presented in Appendix A.

Sample Handling

Once a soil sample was collected, it was labeled, logged on a chain-of custody form, and placed into a chilled ice chest pending delivery to the analytical laboratory.

Backfill of Borings

At the completion of soil sampling, the borings were backfilled to the surface with cement grout.



3.0 SOIL RESULTS AND DISCUSSION

The soil samples were submitted to SunStar Laboratories, Inc. of Lake Forest, California, a California certified environmental laboratory.

3.1 SOIL RESULTS AND DISCUSSION

The soil samples collected from each boring (a total of 10 soil samples) were submitted for analyses for the following:

- Chlorinated pesticides according to EPA Method 8081

A summary of the soil analytical results are as follows:

- None of the soil samples had any detections of chlorinated pesticides other than soil sample P5-1', which had a concentration of 4,4'-DDE of 0.054 milligrams per kilogram (mg/kg).

A copy of the laboratory report is included in Appendix B.

Comparison with Regulatory Levels

PSI compared the concentration of 4,4'-DDE in soil sample P5-1' to the Regional Water Quality Control Board Environmental Screening Levels (RWQCB ESLs) for residential land use with shallow soil contamination. The 4,4'-DDE concentration of 0.054 mg/kg is below the RWQCB ESL of 0.65 mg/kg.



4.0 CONCLUSIONS AND RECOMMENDATIONS

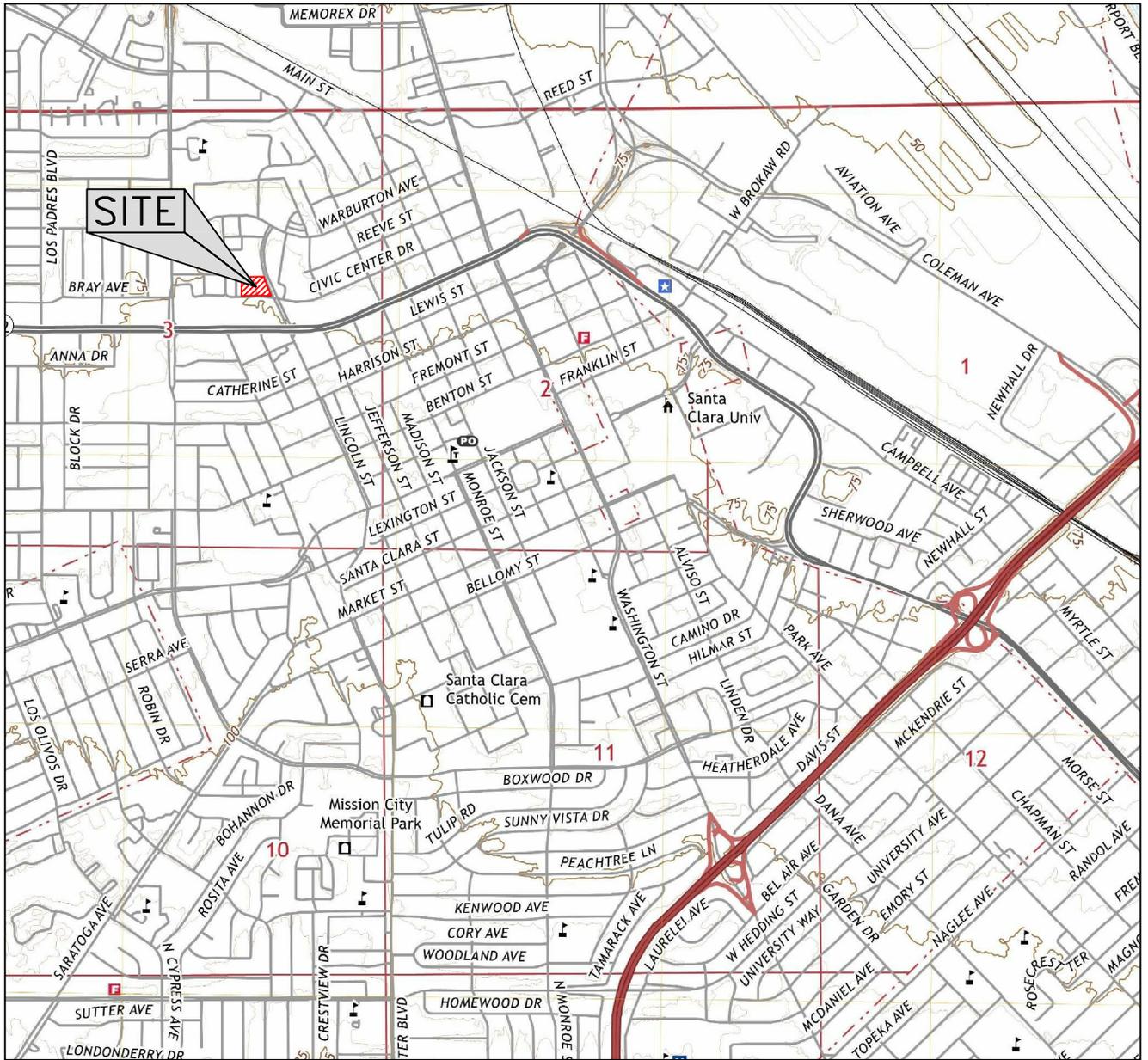
The results of the subsurface investigation are summarized below.

- None of the soil samples had any detections of chlorinated pesticides other than soil sample P5-1', which had a concentration of 4,4'-DDE of 0.054 mg/kg.
- The 4,4'-DDE concentration of 0.054 mg/kg is below the RWQCB ESL of 0.65 mg/kg..

Based on the results, PSI does not consider the site to have been impacted by chlorinated pesticides above regulatory limits and therefore does not recommend additional sampling. However, if significant soil disturbance is planned as part of redevelopment of the property, PSI does recommend that a Soil Management Plan be developed prior to any excavation at the subject property to have procedures in place in case impacted soil is identified during site excavation and grading and to establish disposal criteria for any off-haul of excess soil.



FIGURES



REFERENCE

U.S.G.S. SAN JOSE WEST,
CALIFORNIA, 7.5 MINUTE
SERIES TOPOGRAPHIC MAP,
DATED 2018.

intertek psi
Total Quality. Assured.

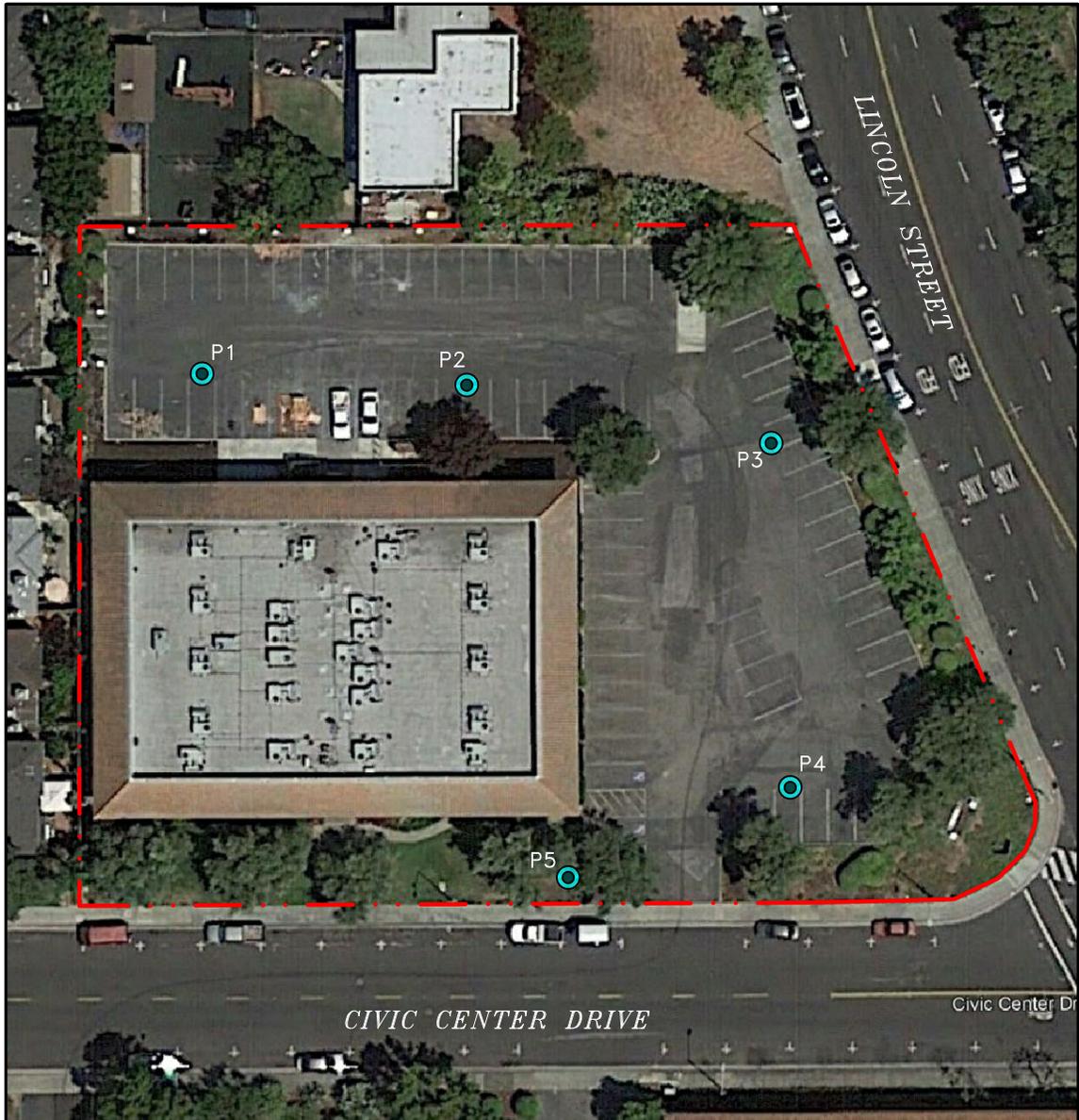
4703 Tidewater Avenue, Suite B
Oakland, California 94601
(510) 434-9200

Project Name:
PROPOSED MULTIFAMILY DEVELOPMENT
1601 CIVIC CENTER DRIVE, SANTA CLARA, CALIFORNIA

Drawn By: B.B. Date: 2/22 File No.: 1999-1-1 Figure No.: 1

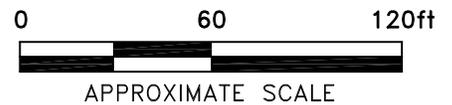
Title:
SITE LOCATION MAP

Approved By: F.P. Project No.: 575-1999-1



LEGEND

- PROPERTY BOUNDARY
- P5 - BORING LOCATION



NOTES

1. BASE TAKEN FROM GOOGLE EARTH AERIAL PHOTO, DATED 8/9/2018.
2. ALL LOCATIONS SHOWN ARE APPROXIMATE.

		4703 Tidewater Avenue, Suite B Oakland, California 94601 (510) 434-9200				
Total Quality. Assured.		<i>Project Name:</i> PROPOSED MULTIFAMILY DEVELOPMENT 1601 CIVIC CENTER DRIVE, SANTA CLARA, CALIFORNIA	<i>Drawn By:</i> B.B.	<i>Date:</i> 2/22	<i>File No.:</i> 1999-1-2	<i>Figure No.:</i> 2
<i>Title:</i> SITE PLAN AND BORING LOCATION MAP		<i>Approved By:</i> F.P.	<i>Project No.:</i> 575-1999-1			



APPENDIX A

LITHOLOGIC LOGS

SOIL BORING LOG

BORING NO: P1
SHEET 1 OF 1



CLIENT NAME: CHARITIES - SAN JOSE
PROJECT LOCATION: 1601 CIVIC CENTER DRIVE, SAN JOSE, CALIFORNIA
PROJECT NUMBER: 575-1999 DATE: FEBRUARY 4, 2022
DRILLING COMPANY: CASCADE ENVIRONMENTAL DRILLING
DRILLING METHOD: DIRECT PUSH

GROUNDWATER LEVELS		
DATE	COMMENTS	DEPTH BGS
2/4/2022	NOT ENCOUNTERED	N/A

DEPTH (FEET)	SAMPLE NO.	SAMPLE INTERVAL	DESCRIPTION	REMARKS
0			4" asphalt over 3" aggregate base	Asphalt parking lot
1	P1-1'	X	Silty CLAY with sand, dark brown, moist, fine to medium sand, few fine gravel	No odor
2				
3			Well-graded SAND with clay, medium olive-brown, moist, fine to medium sand	No odor
4	P1-4'	X	Silty CLAY, medium orange-brown, moist	No odor
5			End of boring at 4 feet below surface grade. No free water encountered. Borehole was backfilled with cement grout.	
6				
7				
8				
9				
10				
11				
12				

Reviewed By: F. POSS | LOGGED BY: B. BURFIELD

SOIL BORING LOG

BORING NO: **P2**
 SHEET **1** OF **1**



CLIENT NAME: CHARITIES - SAN JOSE
 PROJECT LOCATION: 1601 CIVIC CENTER DRIVE, SAN JOSE, CALIFORNIA
 PROJECT NUMBER: 575-1999 DATE: FEBRUARY 4, 2022
 DRILLING COMPANY: CASCADE ENVIRONMENTAL DRILLING
 DRILLING METHOD: DIRECT PUSH

GROUNDWATER LEVELS		
DATE	COMMENTS	DEPTH BGS
2/4/2022	NOT ENCOUNTERED	N/A

DEPTH (FEET)	SAMPLE NO.	SAMPLE INTERVAL	DESCRIPTION	REMARKS
0			4" asphalt over 3" aggregate base	Asphalt parking lot
1	P2-1'	X	Silty CLAY, dark brown, moist, few fine sand	No odor
2			Silty CLAY with sand, medium olive-brown, moist, fine to medium sand, trace fine gravel	No odor
3			Silty CLAY, medium olive-brown, moist, trace fine gravel	
4	P2-4'	X		No odor
5			End of boring at 4 feet below surface grade. No free water encountered. Borehole was backfilled with cement grout.	
6				
7				
8				
9				
10				
11				
12				

Reviewed By: F. POSS LOGGED BY: B. BURFIELD

SOIL BORING LOG

BORING NO: **P3**
 SHEET **1** OF **1**



CLIENT NAME: CHARITIES - SAN JOSE
 PROJECT LOCATION: 1601 CIVIC CENTER DRIVE, SAN JOSE, CALIFORNIA
 PROJECT NUMBER: 575-1999 DATE: FEBRUARY 4, 2022
 DRILLING COMPANY: CASCADE ENVIRONMENTAL DRILLING
 DRILLING METHOD: DIRECT PUSH

GROUNDWATER LEVELS		
DATE	COMMENTS	DEPTH BGS
2/4/2022	NOT ENCOUNTERED	N/A

DEPTH (FEET)	SAMPLE NO.	SAMPLE INTERVAL	DESCRIPTION	REMARKS
0			3.5" asphalt over 4" aggregate base	Asphalt parking lot
1	P3-1'	X	Silty CLAY, dark brown, moist, some fine to medium sand	No odor
2			As above; medium olive-brown, damp to moist, trace fine sand	No odor
4	P3-4'	X		No odor
5			End of boring at 4 feet below surface grade. No free water encountered. Borehole was backfilled with cement grout.	
6				
7				
8				
9				
10				
11				
12				

Reviewed By: F. POSS | LOGGED BY: B. BURFIELD

SOIL BORING LOG

BORING NO: **P4**
 SHEET **1** OF **1**



CLIENT NAME: CHARITIES - SAN JOSE
 PROJECT LOCATION: 1601 CIVIC CENTER DRIVE, SAN JOSE, CALIFORNIA
 PROJECT NUMBER: 575-1999 DATE: FEBRUARY 4, 2022
 DRILLING COMPANY: CASCADE ENVIRONMENTAL DRILLING
 DRILLING METHOD: DIRECT PUSH

GROUNDWATER LEVELS		
DATE	COMMENTS	DEPTH BGS
2/4/2022	NOT ENCOUNTERED	N/A

DEPTH (FEET)	SAMPLE NO.	SAMPLE INTERVAL	DESCRIPTION	REMARKS
0			2.5" asphalt over 5" aggregate base	Asphalt parking lot
1	P4-1'	X	Silty CLAY, dark brown, moist, trace fine sand	No odor
2			Silty CLAY with sand, medium olive-brown, moist, fine to medium sand	No odor Trace rootlets from 2 to 3 feet
4	P4-4'	X	Silty CLAY, medium olive-brown, moist	No odor
5			End of boring at 4 feet below surface grade. No free water encountered. Borehole was backfilled with cement grout.	
6				
7				
8				
9				
10				
11				
12				

Reviewed By: F. POSS | LOGGED BY: B. BURFIELD

SOIL BORING LOG

BORING NO: **P5**
 SHEET **1** OF **1**



CLIENT NAME: CHARITIES - SAN JOSE
 PROJECT LOCATION: 1601 CIVIC CENTER DRIVE, SAN JOSE, CALIFORNIA
 PROJECT NUMBER: 575-1999 DATE: FEBRUARY 4, 2022
 DRILLING COMPANY: CASCADE ENVIRONMENTAL DRILLING
 DRILLING METHOD: DIRECT PUSH

GROUNDWATER LEVELS		
DATE	COMMENTS	DEPTH BGS
2/4/2022	NOT ENCOUNTERED	N/A

DEPTH (FEET)	SAMPLE NO.	SAMPLE INTERVAL	DESCRIPTION	REMARKS
1	P5-1'	[Interval with 'X' mark]	Silty CLAY, dark brown, damp to moist, some roots and organics, few fine sand,	Landscaped area No odor Tree root at 6" below grade
2			As above; no roots and organics	No odor
3	P5-4'	[Interval with 'X' mark]	SILT, light olive-brown, dry to damp	No odor
4			End of boring at 4 feet below surface grade. No free water encountered. Borehole was backfilled with cement grout.	
5				
6				
7				
8				
9				
10				
11				
12				

Reviewed By: F. POSS | LOGGED BY: B. BURFIELD



APPENDIX B

LABORATORY REPORT



25712 Commercentre Drive
Lake Forest, California 92630
949.297.5020 Phone
949.297.5027 Fax

15 February 2022

Frank Poss
PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland, CA 94601
RE: Charities - Santa Clara

Enclosed are the results of analyses for samples received by the laboratory on 02/09/22 10:47. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Joann Marroquin
Director of Operations



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

PSI -- Oakland 4703 Tidewater Ave Ste B Oakland CA, 94601	Project: Charities - Santa Clara Project Number: 575-1999 Project Manager: Frank Poss	Reported: 02/15/22 16:29
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ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
P1-1'	T220340-01	Soil	02/04/22 10:15	02/09/22 10:47
P1-4'	T220340-02	Soil	02/04/22 10:20	02/09/22 10:47
P2-1'	T220340-03	Soil	02/04/22 10:40	02/09/22 10:47
P2-4'	T220340-04	Soil	02/04/22 10:45	02/09/22 10:47
P3-1'	T220340-05	Soil	02/04/22 11:15	02/09/22 10:47
P3-4'	T220340-06	Soil	02/04/22 11:20	02/09/22 10:47
P4-1'	T220340-07	Soil	02/04/22 11:40	02/09/22 10:47
P4-4'	T220340-08	Soil	02/04/22 11:45	02/09/22 10:47
P5-1'	T220340-09	Soil	02/04/22 12:10	02/09/22 10:47
P5-4'	T220340-10	Soil	02/04/22 12:15	02/09/22 10:47

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin, Director of Operations

PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland CA, 94601

Project: Charities - Santa Clara
Project Number: 575-1999
Project Manager: Frank Poss

Reported:
02/15/22 16:29

DETECTIONS SUMMARY

Sample ID: P1-1' **Laboratory ID:** T220340-01

No Results Detected

Sample ID: P1-4' **Laboratory ID:** T220340-02

No Results Detected

Sample ID: P2-1' **Laboratory ID:** T220340-03

No Results Detected

Sample ID: P2-4' **Laboratory ID:** T220340-04

No Results Detected

Sample ID: P3-1' **Laboratory ID:** T220340-05

No Results Detected

Sample ID: P3-4' **Laboratory ID:** T220340-06

No Results Detected

SunStar Laboratories, Inc.



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Joann Marroquin, Director of Operations

PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland CA, 94601

Project: Charities - Santa Clara
Project Number: 575-1999
Project Manager: Frank Poss

Reported:
02/15/22 16:29

Sample ID: P4-1'

Laboratory ID: T220340-07

No Results Detected

Sample ID: P4-4'

Laboratory ID: T220340-08

No Results Detected

Sample ID: P5-1'

Laboratory ID: T220340-09

Analyte	Reporting		Units	Method	Notes
	Result	Limit			
4,4'-DDE	54	5.0	ug/kg	EPA 8081A	

Sample ID: P5-4'

Laboratory ID: T220340-10

No Results Detected

SunStar Laboratories, Inc.



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Joann Marroquin, Director of Operations



25712 Commercentre Drive
 Lake Forest, California 92630
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 949.297.5027 Fax

PSI -- Oakland 4703 Tidewater Ave Ste B Oakland CA, 94601	Project: Charities - Santa Clara Project Number: 575-1999 Project Manager: Frank Poss	Reported: 02/15/22 16:29
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P1-1'
T220340-01 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	2020923	02/09/22	02/10/22	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		45.2 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		47.1 %		35-140	"	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin, Director of Operations



25712 Commercentre Drive
 Lake Forest, California 92630
 949.297.5020 Phone
 949.297.5027 Fax

PSI -- Oakland 4703 Tidewater Ave Ste B Oakland CA, 94601	Project: Charities - Santa Clara Project Number: 575-1999 Project Manager: Frank Poss	Reported: 02/15/22 16:29
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P1-4'
T220340-02 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	50	ug/kg	10	2020923	02/09/22	02/10/22	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4'-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	"	"	"	"	"	R-07
Endrin	ND	50	"	"	"	"	"	"	R-07
4,4'-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4'-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		43.5 %		35-140	"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		47.7 %		35-140	"	"	"	"	R-07

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Joann Marroquin, Director of Operations



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 Lake Forest, California 92630
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PSI -- Oakland 4703 Tidewater Ave Ste B Oakland CA, 94601	Project: Charities - Santa Clara Project Number: 575-1999 Project Manager: Frank Poss	Reported: 02/15/22 16:29
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P2-1'
T220340-03 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	2020923	02/09/22	02/10/22	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		45.8 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		42.0 %		35-140	"	"	"	"	

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P2-4'
T220340-04 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	2020923	02/09/22	02/10/22	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		49.4 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		41.3 %		35-140	"	"	"	"	

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P3-1'
T220340-05 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	2020923	02/09/22	02/10/22	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		47.8 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		45.0 %		35-140	"	"	"	"	

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P3-4'
T220340-06 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	50	ug/kg	10	2020923	02/09/22	02/10/22	EPA 8081A	R-07
gamma-BHC (Lindane)	ND	50	"	"	"	"	"	"	R-07
beta-BHC	ND	50	"	"	"	"	"	"	R-07
delta-BHC	ND	50	"	"	"	"	"	"	R-07
Heptachlor	ND	50	"	"	"	"	"	"	R-07
Aldrin	ND	50	"	"	"	"	"	"	R-07
Heptachlor epoxide	ND	50	"	"	"	"	"	"	R-07
gamma-Chlordane	ND	50	"	"	"	"	"	"	R-07
alpha-Chlordane	ND	50	"	"	"	"	"	"	R-07
Endosulfan I	ND	50	"	"	"	"	"	"	R-07
4,4'-DDE	ND	50	"	"	"	"	"	"	R-07
Dieldrin	ND	50	"	"	"	"	"	"	R-07
Endrin	ND	50	"	"	"	"	"	"	R-07
4,4'-DDD	ND	50	"	"	"	"	"	"	R-07
Endosulfan II	ND	50	"	"	"	"	"	"	R-07
4,4'-DDT	ND	50	"	"	"	"	"	"	R-07
Endrin aldehyde	ND	50	"	"	"	"	"	"	R-07
Endosulfan sulfate	ND	50	"	"	"	"	"	"	R-07
Methoxychlor	ND	50	"	"	"	"	"	"	R-07
Endrin ketone	ND	50	"	"	"	"	"	"	R-07
Toxaphene	ND	200	"	"	"	"	"	"	R-07
Surrogate: Tetrachloro-meta-xylene		45.0 %		35-140	"	"	"	"	R-07
Surrogate: Decachlorobiphenyl		41.1 %		35-140	"	"	"	"	R-07

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P4-1'
T220340-07 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	2020923	02/09/22	02/10/22	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		48.3 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		44.4 %		35-140	"	"	"	"	

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P4-4'
T220340-08 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	2020923	02/09/22	02/10/22	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		48.0 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		41.5 %		35-140	"	"	"	"	

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P5-1'
T220340-09 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	2020923	02/09/22	02/10/22	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	54	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		48.2 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		44.5 %		35-140	"	"	"	"	

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P5-4'
T220340-10 (Soil)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SunStar Laboratories, Inc.

Organochlorine Pesticides by EPA Method 8081A

alpha-BHC	ND	5.0	ug/kg	1	2020923	02/09/22	02/10/22	EPA 8081A	
gamma-BHC (Lindane)	ND	5.0	"	"	"	"	"	"	
beta-BHC	ND	5.0	"	"	"	"	"	"	
delta-BHC	ND	5.0	"	"	"	"	"	"	
Heptachlor	ND	5.0	"	"	"	"	"	"	
Aldrin	ND	5.0	"	"	"	"	"	"	
Heptachlor epoxide	ND	5.0	"	"	"	"	"	"	
gamma-Chlordane	ND	5.0	"	"	"	"	"	"	
alpha-Chlordane	ND	5.0	"	"	"	"	"	"	
Endosulfan I	ND	5.0	"	"	"	"	"	"	
4,4'-DDE	ND	5.0	"	"	"	"	"	"	
Dieldrin	ND	5.0	"	"	"	"	"	"	
Endrin	ND	5.0	"	"	"	"	"	"	
4,4'-DDD	ND	5.0	"	"	"	"	"	"	
Endosulfan II	ND	5.0	"	"	"	"	"	"	
4,4'-DDT	ND	5.0	"	"	"	"	"	"	
Endrin aldehyde	ND	5.0	"	"	"	"	"	"	
Endosulfan sulfate	ND	5.0	"	"	"	"	"	"	
Methoxychlor	ND	5.0	"	"	"	"	"	"	
Endrin ketone	ND	5.0	"	"	"	"	"	"	
Toxaphene	ND	20	"	"	"	"	"	"	
Surrogate: Tetrachloro-meta-xylene		46.3 %		35-140	"	"	"	"	
Surrogate: Decachlorobiphenyl		44.4 %		35-140	"	"	"	"	

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Organochlorine Pesticides by EPA Method 8081A - Quality Control
SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2020923 - EPA 3550C ECD/GCMS

Blank (2020923-BLK1)			Prepared: 02/09/22 Analyzed: 02/11/22							
alpha-BHC	ND	5.0	ug/kg							
gamma-BHC (Lindane)	ND	5.0	"							
beta-BHC	ND	5.0	"							
delta-BHC	ND	5.0	"							
Heptachlor	ND	5.0	"							
Aldrin	ND	5.0	"							
Heptachlor epoxide	ND	5.0	"							
gamma-Chlordane	ND	5.0	"							
alpha-Chlordane	ND	5.0	"							
Endosulfan I	ND	5.0	"							
4,4'-DDE	ND	5.0	"							
Dieldrin	ND	5.0	"							
Endrin	ND	5.0	"							
4,4'-DDD	ND	5.0	"							
Endosulfan II	ND	5.0	"							
4,4'-DDT	ND	5.0	"							
Endrin aldehyde	ND	5.0	"							
Endosulfan sulfate	ND	5.0	"							
Methoxychlor	ND	5.0	"							
Endrin ketone	ND	5.0	"							
Toxaphene	ND	20	"							
Surrogate: Tetrachloro-meta-xylene	8.64		"	20.0		43.2	35-140			
Surrogate: Decachlorobiphenyl	9.51		"	20.0		47.5	35-140			

LCS (2020923-BS1)			Prepared: 02/09/22 Analyzed: 02/10/22							
gamma-BHC (Lindane)	34.9	5.0	ug/kg	40.0		87.3	40-120			
Heptachlor	37.7	5.0	"	40.0		94.4	40-120			
Aldrin	26.2	5.0	"	40.0		65.4	40-120			
Dieldrin	40.0	5.0	"	40.0		100	40-120			
Endrin	41.1	5.0	"	40.0		103	40-120			
4,4'-DDT	39.5	5.0	"	40.0		98.7	33-147			
Surrogate: Tetrachloro-meta-xylene	8.04		"	20.0		40.2	35-140			
Surrogate: Decachlorobiphenyl	8.76		"	20.0		43.8	35-140			

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Organochlorine Pesticides by EPA Method 8081A - Quality Control

SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 2020923 - EPA 3550C ECD/GCMS

LCS Dup (2020923-BSD1)

Prepared: 02/09/22 Analyzed: 02/10/22

gamma-BHC (Lindane)	39.0	5.0	ug/kg	40.0		97.5	40-120	11.0	30	
Heptachlor	42.0	5.0	"	40.0		105	40-120	10.7	30	
Aldrin	28.1	5.0	"	40.0		70.3	40-120	7.20	30	
Dieldrin	44.3	5.0	"	40.0		111	40-120	10.2	30	
Endrin	45.4	5.0	"	40.0		113	40-120	9.79	30	
4,4'-DDT	43.6	5.0	"	40.0		109	33-147	9.94	30	
Surrogate: Tetrachloro-meta-xylene	8.92		"	20.0		44.6	35-140			
Surrogate: Decachlorobiphenyl	10.7		"	20.0		53.3	35-140			

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PSI -- Oakland
4703 Tidewater Ave Ste B
Oakland CA, 94601

Project: Charities - Santa Clara
Project Number: 575-1999
Project Manager: Frank Poss

Reported:
02/15/22 16:29

Notes and Definitions

R-07 Reporting limit for this compound(s) has been raised to account for dilution necessary due to high levels of interfering compound(s) and/or matrix affect.

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

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PROVIDING QUALITY ANALYTICAL SERVICES NATIONWIDE
 25712 Commercentre Drive, Lake Forest, CA 92630
 949-297-5020

Chain of Custody Record

Client: PSI
 Address: 4703 JENSEN AVE, S.E. 8, OKLAHOMA CITY, 741601
 Phone: (510) 434-9200 Fax: _____
 Project Manager: FRANK ROSS

Date: FEB Page: 1 Of 1
 Project Name: QUESTIONS - SAUNA CURB
 Collector: FRANK ROSS Client Project #: 575-1999
 Batch #: 720346 EDF #: N/A

Laboratory ID #	Sample ID	Date Sampled	Time	Sample Type	Container Type	8260	8260 + OXY	8260 BTEX, OXY only	8270	8021 BTEX	8015M (gasoline)	8015M (diesel)	8015M Ext./Carbon Chain	6010/7000 Title 22 Metals	6020 ICP-MS Metals	8081-PESTICIDES	Comments/Preservative	Total # of containers
01	P1-11	2/4/2022	10:15	SOIL	TUBE													
02	P1-41		10:20															
03	P2-11		10:40															
04	P2-41		10:45															
05	P3-11		11:15															
06	P3-41		11:20															
07	P4-11		11:40															
08	P4-41		11:45															
09	P5-11		12:10															
10	P5-41		12:15															
Relinquished by: (signature)		Date / Time		Received by: (signature)		Date / Time		Total # of containers		Chain of Custody seals		Seals intact?		Received good condition/cold		Notes		
<u>[Signature]</u>		<u>2/7/22 10:35 AM</u>		<u>[Signature]</u>		<u>2/7/22 10:35</u>		<u>Y</u>		<u>Y</u>		<u>Y</u>		<u>Y</u>		<u>3.16</u>		
Relinquished by: (signature)		Date / Time		Received by: (signature)		Date / Time		Total # of containers		Chain of Custody seals		Seals intact?		Received good condition/cold		Notes		
<u>[Signature]</u>		<u>2/7/22 17:00</u>		<u>[Signature]</u>		<u>2/7/22 10:35</u>		<u>Y</u>		<u>Y</u>		<u>Y</u>		<u>Y</u>		<u>3.16</u>		
Relinquished by: (signature)		Date / Time		Received by: (signature)		Date / Time		Total # of containers		Chain of Custody seals		Seals intact?		Received good condition/cold		Notes		
<u>[Signature]</u>		<u>2/9/22 10:47</u>		<u>[Signature]</u>		<u>2/9/22 10:47</u>		<u>Y</u>		<u>Y</u>		<u>Y</u>		<u>Y</u>		<u>3.16</u>		

Sample disposal instructions: Disposal @ \$2.00 each _____ Return to client _____ Pickup _____

COC 192594

SAMPLE RECEIVING REVIEW SHEET

Batch/Work Order #: T220340
 Client Name: PSI Project: Charities - Santa Clara

Delivered by: Client SunStar Courier GLS FedEx UPS

If Courier, Received by: _____ Date/Time Courier Received: _____

Lab Received by: Paul Date/Time Lab Received: 2/9/22 10:47

Total number of coolers received: 1 Thermometer ID: SC-1 Calibration due :8/24/22

Temperature: Cooler #1	3.0 °C +/- the CF (+0.1 °C) =	3.1 °C	corrected temperature
Temperature: Cooler #2	°C +/- the CF (+0.1 °C) =		°C corrected temperature
Temperature: Cooler #3	°C +/- the CF (+0.1 °C) =		°C corrected temperature
Temperature criteria = ≤ 6°C (no frozen containers)		Within criteria?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
If NO:			
Samples received on ice?	<input type="checkbox"/> Yes	<input type="checkbox"/> No →	Complete Non-Conformance Sheet
If on ice, samples received same day collected?	<input type="checkbox"/> Yes → Acceptable	<input type="checkbox"/> No →	Complete Non-Conformance Sheet

- Custody seals intact on cooler/sample Yes No* N/A
- Sample containers intact Yes No*
- Sample labels match Chain of Custody IDs Yes No*
- Total number of containers received match COC Yes No*
- Proper containers received for analyses requested on COC Yes No*
- Proper preservative indicated on COC/containers for analyses requested Yes No* N/A
- Complete shipment received in good condition with correct temperatures, containers, labels, volumes preservatives and within method specified holding times Yes No*

* Complete Non-Conformance Receiving Sheet if checked Cooler/Sample Review - Initials and date: PB 2/9/22

Comments:

WORK ORDER

T220340

Client: PSI -- Oakland	Project Manager: Joann Marroquin
Project: Charities - Santa Clara	Project Number: 575-1999

Analysis	Due	TAT	Expires	Comments
T220340-08 P4-4' [Soil] Sampled 02/04/22 11:45 (GMT-08:00) Pacific Time (US				
&				
8081 Pesticides	02/16/22 15:00	5	02/18/22 11:45	
T220340-09 P5-1' [Soil] Sampled 02/04/22 12:10 (GMT-08:00) Pacific Time (US				
&				
8081 Pesticides	02/16/22 15:00	5	02/18/22 12:10	
T220340-10 P5-4' [Soil] Sampled 02/04/22 12:15 (GMT-08:00) Pacific Time (US				
&				
8081 Pesticides	02/16/22 15:00	5	02/18/22 12:15	