

Soil Evaluation Report

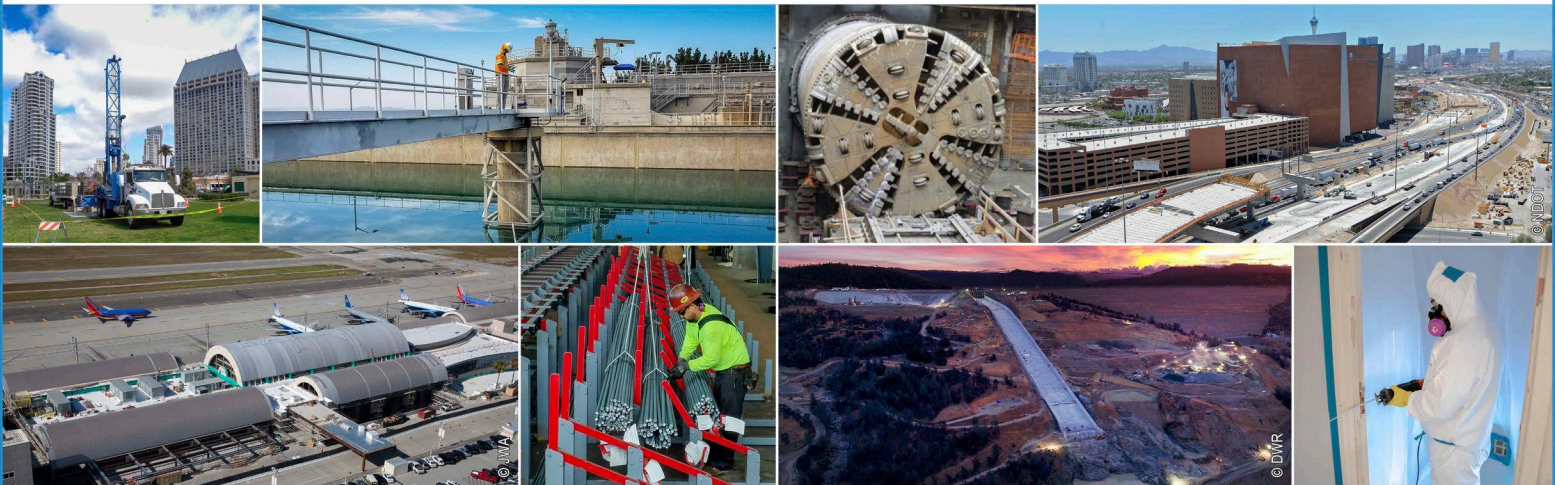
1510-1540 Parkmoor Avenue

San Jose, California

Allied Housing

40489 Fremont Boulevard | Fremont, California 94538

March 11, 2022 | Project No. 404193001



Geotechnical | Environmental | Construction Inspection & Testing | Forensic Engineering & Expert Witness

Geophysics | Engineering Geology | Laboratory Testing | Industrial Hygiene | Occupational Safety | Air Quality | GIS

Ninyo & Moore

Geotechnical & Environmental Sciences Consultants

March 11, 2022
Project No. 404193001

Ms. Macy Leung
Allied Housing
40489 Fremont Boulevard
Fremont, California 94538

RE: Soil Evaluation Report
1510-1540 Parkmoor Avenue
San Jose, California 95128

Dear Ms. Leung:


Ninyo & Moore has prepared this Soil Evaluation Report (Report) for the property located at 1510-1540 Parkmoor Avenue, in San Jose, California (site). The objective of the soil sampling activities presented in this report were to evaluate the general environmental soil conditions at the site, as they relate to the past agricultural use of the site.

We appreciate the opportunity to be of service on this project.

Sincerely,
NINYO & MOORE


Daysi Nemecio Rodriguez
Project Geologist

DNR/KML/gvr


Brandon S. Wilken, P.G. 7564
Principal Geologist



CONTENTS

1	INTRODUCTION	1
2	SITE DESCRIPTION AND BACKGROUND	1
3	SOIL SAMPLING ACTIVITIES	1
3.1	Pre-Field Activities Performed	2
3.2	Soil Borings and Sampling	2
4	SOIL CHEMICAL ANALYSIS	2
5	SOIL ANALYTICAL RESULTS	3
5.1	OCPs	3
5.2	Arsenic	3
5.3	Lead	3
6	CONCLUSIONS	3
7	LIMITATIONS	4
8	REFERENCES	6

TABLE

1 – Soil Analytical Results - Lead, Arsenic, and Organochlorine Pesticides (OCPs)

FIGURES

1 – Site Location Map

2 – Boring Locations

APPENDIX

A – Laboratory Analytical Report

1 INTRODUCTION

Ninyo & Moore Geotechnical and Environmental Sciences Consultants (Ninyo & Moore) has prepared this Soil Evaluation Report (Report) for the property located at 1510-1540 Parkmoor Avenue, in San Jose, California (Site; Figure 1). Soil sampling activities were performed in accordance with the proposed scope of work presented in Ninyo & Moore's October 5, 2021 *Proposal for Environmental Services*. We understand Allied Housing is planning to develop the property with a new HUB youth service center and residential housing.

2 SITE DESCRIPTION AND BACKGROUND

Based on information obtained from Ninyo & Moore's September 21, 2021 Phase I Environmental Site Assessment (ESA; Ninyo & Moore, 2021), the site is developed with four commercial office buildings, totaling approximately 19,056 square-feet, and a Verizon Wireless communications tower and a small detached utility shelter building (battery room). Other site improvements observed, included asphalt-paved parking lots, concrete walkways, and landscape areas. At the time of the field investigation presented in this Report, the buildings and site were vacant.

Findings from the Phase I ESA revealed that the site was historically used as an orchard as early as 1939 until it was redeveloped with the current improvements sometime between 1974 and 1982. Use of agricultural chemicals, such as pesticides, insecticides, and/or herbicides were a common part orchard operations. Ninyo & Moore concluded that the potential risk for residual concentrations of agricultural chemicals in site soil is considered a business environmental risk (BER). Other BER considerations at the site include the potential for concentrations of lead in soil along the dripline of the existing buildings.

The objective of the soil sampling activities was to evaluate the potential of agricultural chemicals and lead impacts from past historical site uses. A summary of the soil sampling activities, analytical results, and conclusions and recommendations are presented in the following sections of this Report.

3 SOIL SAMPLING ACTIVITIES

Ninyo & Moore collected shallow soil samples from 8 locations, presented on Figure 2, to evaluate shallow soil conditions at select locations on the Site.

3.1 Pre-Field Activities Performed

Ninyo & Moore pre-field activities included the following:

- Ninyo & Moore prepared a Site-specific health and safety plan (HASP) to protect Site workers. The HASP was kept on-Site during all field activities and signed by each Site worker.
- Prior to all subsurface disturbance activities, Ninyo & Moore pre-marked the Site with white paint and obtained an Underground Service Alert (USA) North ticket for the subsurface work.

3.2 Soil Borings and Sampling

On February 11, 2022, Ninyo & Moore advanced eight shallow soil borings (SB-1 through SB-4 and SB-5A through SB-5D) to a depth of approximately 0.5 feet below ground surface (bgs) at the locations shown in Figure 2. Boring SB-5A was advanced near the western site boundary, SB-5B and SB-5C were advanced near the center of the site, and boring SB-5D was advanced near the eastern site boundary. The other four borings, SB-1 through SB-4, were advanced along the drip line of each site building. The soil borings were advanced using a hand auger.

Subsequent to each boring advancement and sample collection, the sampling equipment was decontaminated with a triple-wash rinse and the borings were backfilled with the soil cuttings. Per the analysis being performed, soil samples were collected and placed into clean sampling containers supplied by the analytical laboratory. All soil sample containers were labeled, placed in an ice-chilled cooler, and transported, under chain of custody procedures, to Eurofins TestAmerica, Inc. (Eurofins) in San Jose, California, for analysis.

4 SOIL CHEMICAL ANALYSIS

The soil samples collected from borings SB-5A, SB-5B, SB-5C and SB-5D were composited by the laboratory and analyzed as one 4-point composite sample for the following:

- Organochlorine pesticides (OCPs) by Environmental Protection Agency (EPA) Method 8081; and
- Arsenic by EPA Method 6010B.

The four samples collected from borings SB-1 through SB-4, collected along the drip line of each site building, were analyzed as discrete samples for lead using EPA Method 6010B.

5 SOIL ANALYTICAL RESULTS

The analytical results for lead, arsenic, and OCPs are presented on Table 1. Analytical results are summarized and compared to the San Francisco Bay Regional Water Quality Control Board's (RWQCB) 2019 Residential and Construction Worker Environmental Screening Levels (ESLs) (RWQCB ESLs, 2019). Additionally, arsenic concentrations were compared to background arsenic concentrations in the Bay Area (Duverge, 2011). A copy of the laboratory analytical report is provided in Appendix A, and the results are discussed below.

5.1 OCPs

The OCPs, 4,4'-DDE, 4,4'-DDT, and cis-chlordane were detected in composite soil sample SB-5A,5B,5C,5D at concentrations of 47, 22 and 8.8 micrograms per kilogram ($\mu\text{g}/\text{kg}$), respectively. All detected OCPs are below their respective Residential and Construction Worker ESLs.

5.2 Arsenic

Arsenic was detected at a concentration of 5.8 milligrams per kilogram (mg/kg) in composite soil sample SB-5A,5B,5C,5D. This concentration exceeds the Residential and Construction Worker ESLs; however, the detected concentration is below the acceptable Bay Area background concentration of 11 mg/kg .

5.3 Lead

Lead was detected in four of four samples analyzed at concentrations ranging from 13 mg/kg in SB-2 to 45 mg/kg in SB-4. All detected concentrations are below the Residential and Construction Worker ESLs.

6 CONCLUSIONS

A total of eight shallow borings were advanced at select locations on the site for collection of shallow soil samples on February 11, 2022. One 4-point composite soil sample (SB-5A,5B,5C,5D) was analyzed for OCPs and arsenic and four discrete soil samples (SB-1 through SB-4) were analyzed for lead. Based on a comparison of the analytical results against their respective ESLs (and the Bay Area background concentration for arsenic), Ninyo & Moore concludes and recommends the following:

- All detections of OCPs were below their respective Residential and Construction Worker ESLs.

- Arsenic exceeded the Residential and Construction Worker ESLs in the composite sample; however, the detected concentration was below the acceptable Bay Area background concentration of 11 mg/kg.
- Lead was detected at concentrations below the Residential and Construction Worker ESLs.

Based on the soil sampling results, it appears that the historical agricultural use of the site has not significantly impacted site soils with OCPs or arsenic. Additionally, based on the lead results of the discrete samples collected, the existing buildings do not appear to have significantly impacted site soils with lead based paint contamination.

7 LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this assessment did not include an evaluation of geotechnical conditions or potential geologic hazards.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past onsite and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Ninyo & Moore's conclusions, recommendations and opinions are based on an analysis of the observed site conditions. It should be understood that the conditions of a site could change with time as a result of natural processes or the activities of humans at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

This report is intended exclusively for use by the client. Any use or reuse of the findings, conclusions and/or recommendations of this report by parties other than those noted is undertaken at said parties' sole risk.

8 REFERENCES

Duverge, 2011, Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region. Dated December.

Ninyo & Moore, 2021. Phase I Environmental Site Assessment, Parkmoor Office Center, 1510, 1520, 1530, and 1540 Parkmoor Avenue, San Jose, California. Dated September 23.

San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels, 2019 (Rev 2).



TABLE

Table 1 – Soil Analytical Results - Lead, Arsenic, and Organochlorine Pesticides (OCPs)

Sample ID	Depth (feet bgs)	Date Collected	Lead	Arsenic	4,4' DDE	4,4' DDT	cis-Chlordane
			mg/kg		(µg/kg)		
SB-1	0.5	02/11/22	42	--	--	--	--
SB-2	0.5	02/11/22	13	--	--	--	--
SB-3	0.5	02/11/22	32	--	--	--	--
SB-4	0.5	02/11/22	45	--	--	--	--
SB- 5A, 5B, 5C, 5D	0.5	02/11/22	--	5.8	47	22	8.80
Screening Levels							
Residential ESLs ¹			80	0.067	1,800	1,900	480
Construction Worker ESLs ²			160	0.98	57,000	57,000	14,000
Background Arsenic ³				11			

Notes:

Lead and arsenic analyzed by Environmental Protection Agency (EPA) Method 6010B

OCPs analyzed by EPA Method 8081

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

bgs = below ground surface

"--" = Not applicable, not available, or not analyzed

ESL = Environmental Screening Level

ND<X = not detected at or above laboratory reporting limit X.

¹ = San Francisco Bay Regional Water Quality Control Board (SFRWQCB) Soil Environmental Screening Level (ESL), Direct Exposure Human Health Risk Levels (Table S-1), 2019 (Rev.2)

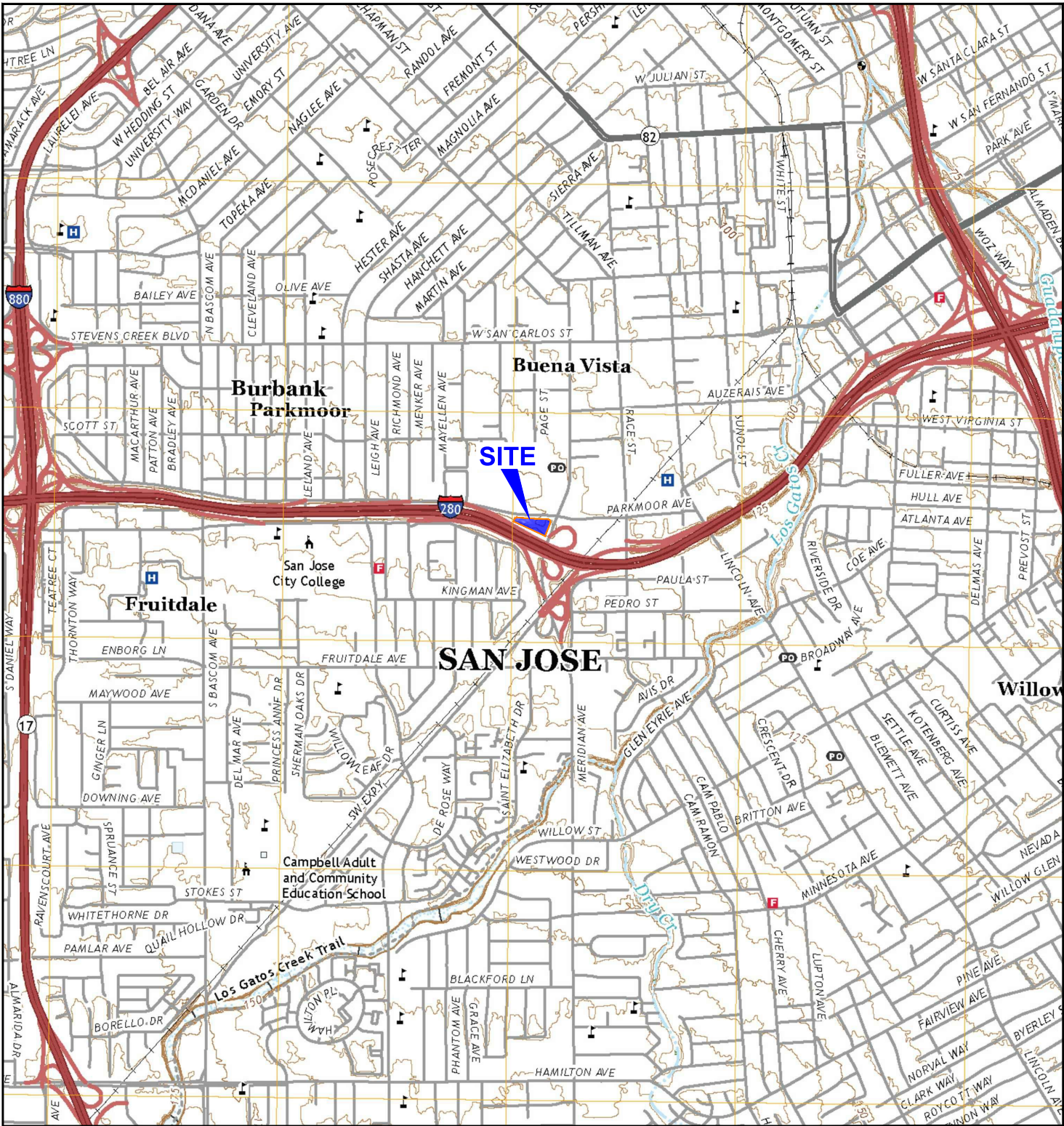
² = Construction Worker ESLs - SFRWQCB ESLs, Direct Exposure Human Health Risk Levels (Table S-1), Construction Worker: Any Land Use/ Any Depth Soil Exposure. 2019. Rev.2.

Most conservative value has been tabulated.

³ = Establishing Background Arsenic in Soil of the Urbanized San Francisco Bay Region, Dylan Duverge, December 2011.



FIGURES



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NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE | REFERENCE: USGS, 2018

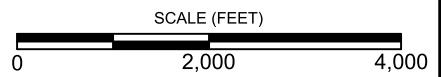
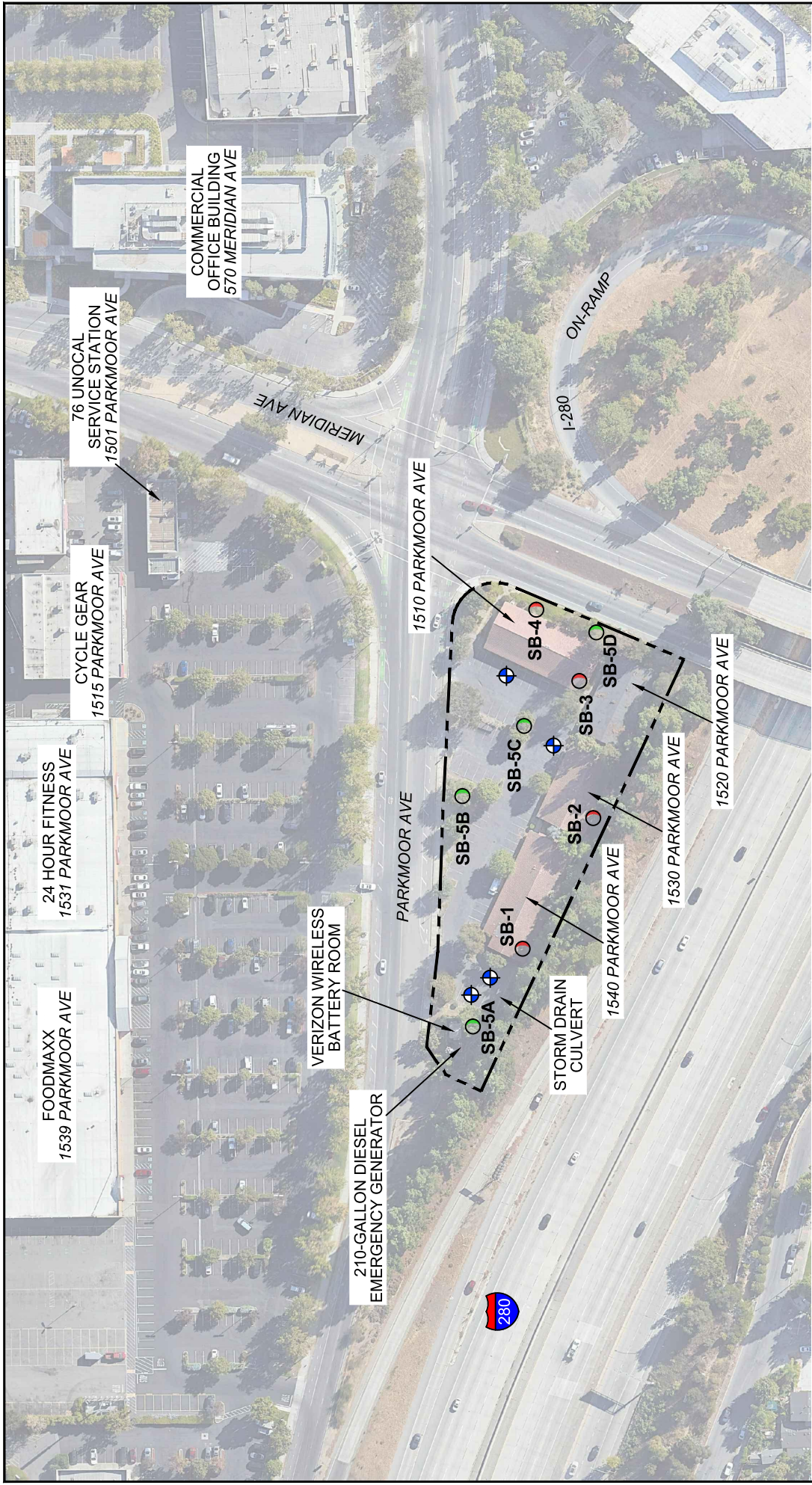


FIGURE 1



LEGEND

- APPROXIMATE PROPERTY BOUNDARY
- SB-5A OCP AND ARSENIC ANALYSIS BORING
- SB-1 LEAD ANALYSIS BORING
- GEOTECHNICAL BORING

NOTE: DIMENSIONS, DIRECTIONS, AND LOCATIONS ARE APPROXIMATE | REFERENCE: GOOGLE EARTH, 2021



FIGURE 1

BORING LOCATIONS
 PARKMOOR OFFICE CENTER
 1510, 1520, 1530, AND 1540 PARKMOOR AVENUE
 SAN JOSE, CALIFORNIA
 404193001 | 03/22



APPENDIX A

Laboratory Analytical Report

ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-84724-1
Client Project/Site: 1510-1540 Parkmoor Ave

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Daysi Nemecio Rodriguez



*Authorized for release by:
2/25/2022 3:15:15 PM*

Justinn Gonzales, Project Manager I
(925)484-1919
Justinn.Gonzales@Eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	15
Lab Chronicle	16
Certification Summary	17
Method Summary	18
Sample Summary	19
Chain of Custody	20
Receipt Checklists	22

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Job ID: 320-84724-1

Laboratory: Eurofins Sacramento

Narrative

Job Narrative 320-84724-1

Comments

No additional comments.

Receipt

The samples were received on 2/11/2022 11:07 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 8.9° C.

GC Semi VOA

Method 8081B: The following samples were diluted to bring the concentration of target analytes within the calibration range: SB-COMPOSITE 5A,5B,5C,5D (320-84724-9). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Detection Summary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Client Sample ID: SB-1

Lab Sample ID: 320-84724-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	42		1.0		mg/Kg	1		6010B	Total/NA

Client Sample ID: SB-2

Lab Sample ID: 320-84724-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	13		1.0		mg/Kg	1		6010B	Total/NA

Client Sample ID: SB-3

Lab Sample ID: 320-84724-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	32		0.95		mg/Kg	1		6010B	Total/NA

Client Sample ID: SB-4

Lab Sample ID: 320-84724-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	45		0.95		mg/Kg	1		6010B	Total/NA

Client Sample ID: SB-COMPOSITE 5A,5B,5C,5D

Lab Sample ID: 320-84724-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	47		3.4		ug/Kg	2		8081B	Total/NA
4,4'-DDT	22		3.4		ug/Kg	2		8081B	Total/NA
cis-Chlordane	8.8		3.4		ug/Kg	2		8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Client Sample ID: SB-1

Lab Sample ID: 320-84724-1

Date Collected: 02/11/22 10:25

Matrix: Solid

Date Received: 02/11/22 11:07

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	42		1.0		mg/Kg		02/15/22 07:00	02/15/22 14:49	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Client Sample ID: SB-2

Lab Sample ID: 320-84724-2

Date Collected: 02/11/22 10:15

Matrix: Solid

Date Received: 02/11/22 11:07

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	13		1.0		mg/Kg		02/15/22 07:00	02/15/22 14:52	1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Client Sample Results

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Client Sample ID: SB-3

Lab Sample ID: 320-84724-3

Date Collected: 02/11/22 09:35

Matrix: Solid

Date Received: 02/11/22 11:07

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	32		0.95		mg/Kg		02/15/22 07:00	02/15/22 14:56	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Client Sample Results

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Client Sample ID: SB-4

Lab Sample ID: 320-84724-4

Date Collected: 02/11/22 09:50

Matrix: Solid

Date Received: 02/11/22 11:07

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	45		0.95		mg/Kg		02/15/22 07:00	02/15/22 15:08	1

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Client Sample Results

Client: Ninyo & Moore
 Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Client Sample ID: SB-COMPOSITE 5A,5B,5C,5D

Lab Sample ID: 320-84724-9

Date Collected: 02/11/22 10:45

Matrix: Solid

Date Received: 02/11/22 11:07

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
4,4'-DDE	47		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
4,4'-DDT	22		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Aldrin	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
alpha-BHC	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
cis-Chlordane	8.8		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
beta-BHC	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
delta-BHC	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Dieldrin	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Endosulfan I	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Endosulfan II	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Endosulfan sulfate	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Endrin	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Endrin aldehyde	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Endrin ketone	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
gamma-BHC (Lindane)	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
trans-Chlordane	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Heptachlor	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Heptachlor epoxide	ND		3.4		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Methoxychlor	ND		6.8		ug/Kg		02/16/22 13:51	02/24/22 00:28	2
Toxaphene	ND		130		ug/Kg		02/16/22 13:51	02/24/22 00:28	2

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>Tetrachloro-m-xylene</i>	69		47 - 107	02/16/22 13:51	02/24/22 00:28	2
<i>Tetrachloro-m-xylene</i>	62		47 - 107	02/16/22 13:51	02/24/22 00:28	2
<i>DCB Decachlorobiphenyl</i>	49		46 - 109	02/16/22 13:51	02/24/22 00:28	2
<i>DCB Decachlorobiphenyl</i>	47		46 - 109	02/16/22 13:51	02/24/22 00:28	2

Surrogate Summary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (47-107)	TCX2 (47-107)	DCBP1 (46-109)	DCBP2 (46-109)
320-84724-9	SB-COMPOSITE 5A,5B,5C,5D	69	62	49	47
LCS 320-566379/2-A	Lab Control Sample	69		69	
LCS 320-566379/4-A	Lab Control Sample	71		72	
LCSD 320-566379/3-A	Lab Control Sample Dup	73		73	
MB 320-566379/1-A	Method Blank	72	68	73	72

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

QC Sample Results

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 320-566379/1-A
Matrix: Solid
Analysis Batch: 567840

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 566379

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
4,4'-DDE	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
4,4'-DDT	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Aldrin	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
alpha-BHC	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
cis-Chlordane	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
beta-BHC	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
delta-BHC	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Dieldrin	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Endosulfan I	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Endosulfan II	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Endosulfan sulfate	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Endrin	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Endrin aldehyde	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Endrin ketone	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
gamma-BHC (Lindane)	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
trans-Chlordane	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Heptachlor	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Heptachlor epoxide	ND		1.7		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Methoxychlor	ND		3.4		ug/Kg		02/16/22 13:51	02/23/22 16:22	1
Toxaphene	ND		67		ug/Kg		02/16/22 13:51	02/23/22 16:22	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	72		47 - 107	02/16/22 13:51	02/23/22 16:22	1
Tetrachloro-m-xylene	68		47 - 107	02/16/22 13:51	02/23/22 16:22	1
DCB Decachlorobiphenyl	73		46 - 109	02/16/22 13:51	02/23/22 16:22	1
DCB Decachlorobiphenyl	72		46 - 109	02/16/22 13:51	02/23/22 16:22	1

Lab Sample ID: LCS 320-566379/2-A
Matrix: Solid
Analysis Batch: 567840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 566379

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
4,4'-DDD	16.7	11.5		ug/Kg		69	53 - 117	
4,4'-DDE	16.7	11.6		ug/Kg		69	58 - 115	
4,4'-DDT	16.7	11.8		ug/Kg		71	53 - 128	
Aldrin	16.7	11.2		ug/Kg		67	55 - 109	
alpha-BHC	16.7	11.1		ug/Kg		66	54 - 111	
cis-Chlordane	16.7	10.9		ug/Kg		66	54 - 113	
beta-BHC	16.7	12.1		ug/Kg		73	53 - 115	
delta-BHC	16.7	10.5		ug/Kg		63	39 - 124	
Dieldrin	16.7	12.0		ug/Kg		72	54 - 117	
Endosulfan I	16.7	8.58		ug/Kg		51	42 - 118	
Endosulfan II	16.7	10.2		ug/Kg		61	48 - 118	
Endosulfan sulfate	16.7	11.8		ug/Kg		71	51 - 113	
Endrin	16.7	10.8		ug/Kg		65	58 - 115	
Endrin aldehyde	16.7	10.5		ug/Kg		63	40 - 100	
Endrin ketone	16.7	11.8		ug/Kg		71	51 - 118	

Eurofins Sacramento

QC Sample Results

Client: Ninyo & Moore
 Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 320-566379/2-A
Matrix: Solid
Analysis Batch: 567840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 566379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	16.7	11.2		ug/Kg		67	54 - 112
trans-Chlordane	16.7	9.43		ug/Kg		57	55 - 114
Heptachlor	16.7	11.0		ug/Kg		66	50 - 118
Heptachlor epoxide	16.7	10.7		ug/Kg		64	56 - 113
Methoxychlor	16.7	11.1		ug/Kg		67	52 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	69		47 - 107
DCB Decachlorobiphenyl	69		46 - 109

Lab Sample ID: LCS 320-566379/4-A
Matrix: Solid
Analysis Batch: 567840

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 566379

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Toxaphene	167	123		ug/Kg		74	43 - 123

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	71		47 - 107
DCB Decachlorobiphenyl	72		46 - 109

Lab Sample ID: LCSD 320-566379/3-A
Matrix: Solid
Analysis Batch: 567840

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 566379

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
4,4'-DDD	16.7	12.0		ug/Kg		72	53 - 117	5	30
4,4'-DDE	16.7	12.0		ug/Kg		72	58 - 115	4	30
4,4'-DDT	16.7	12.5		ug/Kg		75	53 - 128	6	30
Aldrin	16.7	11.7		ug/Kg		70	55 - 109	4	30
alpha-BHC	16.7	11.6		ug/Kg		70	54 - 111	5	30
cis-Chlordane	16.7	11.2		ug/Kg		67	54 - 113	3	30
beta-BHC	16.7	12.6		ug/Kg		76	53 - 115	4	30
delta-BHC	16.7	11.0		ug/Kg		66	39 - 124	5	30
Dieldrin	16.7	13.2		ug/Kg		79	54 - 117	9	30
Endosulfan I	16.7	8.80		ug/Kg		53	42 - 118	2	30
Endosulfan II	16.7	10.5		ug/Kg		63	48 - 118	4	30
Endosulfan sulfate	16.7	13.1		ug/Kg		78	51 - 113	10	30
Endrin	16.7	11.4		ug/Kg		68	58 - 115	5	30
Endrin aldehyde	16.7	11.0		ug/Kg		66	40 - 100	5	30
Endrin ketone	16.7	12.3		ug/Kg		74	51 - 118	4	30
gamma-BHC (Lindane)	16.7	12.0		ug/Kg		72	54 - 112	7	30
trans-Chlordane	16.7	9.82		ug/Kg		59	55 - 114	4	30
Heptachlor	16.7	11.7		ug/Kg		70	50 - 118	6	30
Heptachlor epoxide	16.7	11.2		ug/Kg		67	56 - 113	5	30
Methoxychlor	16.7	11.7		ug/Kg		70	52 - 123	5	30

Eurofins Sacramento

QC Sample Results

Client: Ninyo & Moore
 Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 320-566379/3-A
 Matrix: Solid
 Analysis Batch: 567840

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 566379

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
Tetrachloro- <i>m</i> -xylene	73		47 - 107
DCB Decachlorobiphenyl	73		46 - 109

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-565802/1-A
 Matrix: Solid
 Analysis Batch: 566087

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 565802

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	ND		1.0		mg/Kg		02/15/22 07:00	02/15/22 14:06	1

Lab Sample ID: LCS 320-565802/2-A
 Matrix: Solid
 Analysis Batch: 566087

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 565802

Analyte	Spike Added	LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
Lead	25.0	23.5		mg/Kg		94	80 - 120

QC Association Summary

Client: Ninyo & Moore
 Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

GC Semi VOA

Composite Batch: 566318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84724-9	SB-COMPOSITE 5A,5B,5C,5D	Total/NA	Solid	Composite	

Prep Batch: 566379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84724-9	SB-COMPOSITE 5A,5B,5C,5D	Total/NA	Solid	3546	566318
MB 320-566379/1-A	Method Blank	Total/NA	Solid	3546	
LCS 320-566379/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 320-566379/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 320-566379/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	

Analysis Batch: 567840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84724-9	SB-COMPOSITE 5A,5B,5C,5D	Total/NA	Solid	8081B	566379
MB 320-566379/1-A	Method Blank	Total/NA	Solid	8081B	566379
LCS 320-566379/2-A	Lab Control Sample	Total/NA	Solid	8081B	566379
LCS 320-566379/4-A	Lab Control Sample	Total/NA	Solid	8081B	566379
LCSD 320-566379/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	566379

Metals

Prep Batch: 565802

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84724-1	SB-1	Total/NA	Solid	3050B	
320-84724-2	SB-2	Total/NA	Solid	3050B	
320-84724-3	SB-3	Total/NA	Solid	3050B	
320-84724-4	SB-4	Total/NA	Solid	3050B	
MB 320-565802/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-565802/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 566087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84724-1	SB-1	Total/NA	Solid	6010B	565802
320-84724-2	SB-2	Total/NA	Solid	6010B	565802
320-84724-3	SB-3	Total/NA	Solid	6010B	565802
320-84724-4	SB-4	Total/NA	Solid	6010B	565802
MB 320-565802/1-A	Method Blank	Total/NA	Solid	6010B	565802
LCS 320-565802/2-A	Lab Control Sample	Total/NA	Solid	6010B	565802

Lab Chronicle

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Client Sample ID: SB-1

Lab Sample ID: 320-84724-1
Matrix: Solid

Date Collected: 02/11/22 10:25

Date Received: 02/11/22 11:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			0.99 g	100 mL	565802	02/15/22 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			566087	02/15/22 14:49	SP	TAL SAC

Client Sample ID: SB-2

Lab Sample ID: 320-84724-2
Matrix: Solid

Date Collected: 02/11/22 10:15

Date Received: 02/11/22 11:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.00 g	100 mL	565802	02/15/22 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			566087	02/15/22 14:52	SP	TAL SAC

Client Sample ID: SB-3

Lab Sample ID: 320-84724-3
Matrix: Solid

Date Collected: 02/11/22 09:35

Date Received: 02/11/22 11:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	565802	02/15/22 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			566087	02/15/22 14:56	SP	TAL SAC

Client Sample ID: SB-4

Lab Sample ID: 320-84724-4
Matrix: Solid

Date Collected: 02/11/22 09:50

Date Received: 02/11/22 11:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			1.05 g	100 mL	565802	02/15/22 07:00	NIM	TAL SAC
Total/NA	Analysis	6010B		1			566087	02/15/22 15:08	SP	TAL SAC

Client Sample ID: SB-COMPOSITE 5A,5B,5C,5D

Lab Sample ID: 320-84724-9
Matrix: Solid

Date Collected: 02/11/22 10:45

Date Received: 02/11/22 11:07

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Composite	Composite					566318	02/16/22 12:41	PT	TAL SAC
Total/NA	Prep	3546			15.01 g	5 mL	566379	02/16/22 13:51	PT	TAL SAC
Total/NA	Analysis	8081B		2			567840	02/24/22 00:28	K1D	TAL SAC

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Laboratory: Eurofins Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-23

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8081B	3546	Solid	cis-Chlordane
8081B	3546	Solid	trans-Chlordane

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Method	Method Description	Protocol	Laboratory
8081B	Organochlorine Pesticides (GC)	SW846	TAL SAC
6010B	Metals (ICP)	SW846	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAC
3546	Microwave Extraction	SW846	TAL SAC
Composite	Sample Compositing	None	TAL SAC

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Sample Summary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-84724-1	SB-1	Solid	02/11/22 10:25	02/11/22 11:07
320-84724-2	SB-2	Solid	02/11/22 10:15	02/11/22 11:07
320-84724-3	SB-3	Solid	02/11/22 09:35	02/11/22 11:07
320-84724-4	SB-4	Solid	02/11/22 09:50	02/11/22 11:07
320-84724-9	SB-COMPOSITE 5A,5B,5C,5D	Solid	02/11/22 10:45	02/11/22 11:07

1

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202088

Phone: (925) 484-1919

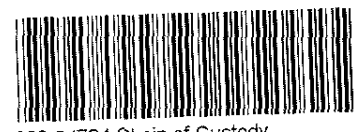
320-84724

Date 2/11/22 Page 1 of 1

Report To **Analysis Request**

Attn: Daysi Nemezio Rodriguez
Company: Nimyo & Moore
Address: 20320 Challenger Dr. #103
Email: dnemeziom@nimyom.com
Bill To: Daysi Nemezio Rodriguez Sampled By: CRE, KMB
Attn: Daysi NR Phone: 5104354393

Sample ID	Date	Time	Mat rix	Preserv	Volatile Organics GC/MS (VOCs) <input type="checkbox"/> EPA 8260B	HVOCs by <input type="checkbox"/> EPA 8260B	EPA 8260B: <input type="checkbox"/> Gas <input type="checkbox"/> BTEX <input type="checkbox"/> & Oxygenates <input type="checkbox"/> DCA, EDB <input type="checkbox"/> Ethanol	TEPH EPA 8016B <input type="checkbox"/> Silica Gel <input type="checkbox"/> Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other	SemiVolatile Organics GC/MS <input type="checkbox"/> EPA 8270C	PNAPAH' s by <input type="checkbox"/> 8270C <input type="checkbox"/> 8270C SIM	Oil and Grease (EPA 1664/9071) <input type="checkbox"/> Total	Pesticides <input checked="" type="checkbox"/> EPA 8081 <input type="checkbox"/> EPA 8082	PCBs	CAM17 Metals (EPA 8010/7470/7471)	Metals: <input checked="" type="checkbox"/> 6010B <input type="checkbox"/> 200.7 <input checked="" type="checkbox"/> Lead <input type="checkbox"/> LUFT <input type="checkbox"/> CRCA <input type="checkbox"/> Other	Metals (ICP-MS): <input type="checkbox"/> 6020 <input type="checkbox"/> 200.8	<input type="checkbox"/> WET (STLC) <input type="checkbox"/> TCLP <input type="checkbox"/> WET (DJ)	Hex. Chrom by <input type="checkbox"/> EPA 7196 <input type="checkbox"/> or EPA 7199	pH <input type="checkbox"/> 9040 <input type="checkbox"/> SM4500	<input type="checkbox"/> Spec. Cond. <input type="checkbox"/> Alkalinity <input type="checkbox"/> TSS <input type="checkbox"/> SS <input type="checkbox"/> TDS	Anions <input type="checkbox"/> Cl <input type="checkbox"/> SO ₄ <input type="checkbox"/> NO ₃ <input type="checkbox"/> F <input type="checkbox"/> Br <input type="checkbox"/> NO ₂ <input type="checkbox"/> PO ₄	<input type="checkbox"/> Perchlorate by EPA 314.0	COD <input type="checkbox"/> EPA 410.4 <input type="checkbox"/> SM5220D <input type="checkbox"/> Turbidity	
SB-1	2/11/22	1025	Soil	—											X									
SB-2		1015		—											X									
SB-3		0935		—											X									
SB-4		0950		—											X									
SB-5A		1045		—																				
SB-5B		0905		—											X									
SB-5C		0915		—											X									
SB-5D		1000		—											X									



320-84724 Chain of Custody

Four point composite sample (SB-5A through SB-5D)

Project Info.		Sample Receipt	
Project Name/ #: <u>510-1570 Parkmeor Ave 404193001</u>	# of Containers	1) Relinquished by: <u>Kristina Berg</u> <u>1107</u>	2) Relinquished by:
PO#: _____	Head Space:	Signature _____ Time _____	Signature _____ Time _____
Credit Card Y/N: _____	Temp: <u>29</u>	Printed Name: <u>Kristina Berg</u> Date: <u>2/11/22</u>	Printed Name _____ Date _____
If yes please call with payment information ASAP		Company: <u>Nimyo & Moore</u>	Company _____
T A T	10 Day	5 Day	4 Day
	3 Day	2 Day	1 Day
	Other: <u>STD</u>		

1) Received by:	2) Received by:
Signature: <u>[Signature]</u> Time: <u>1107</u>	Signature _____ Time _____
Printed Name: <u>[Name]</u> Date: <u>2/11/22</u>	Printed Name _____ Date _____
Company: <u>[Company]</u>	Company _____

3) Received by:
Signature _____ Time _____
Printed Name _____ Date _____
Company _____

Report: Routine Level 3 Level 4 EDD EDF
Special Instructions / Comments: Global ID _____

Page 20 of 23

2/25/2022



Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-84724-1

Login Number: 84724

List Source: Eurofins Sacramento

List Number: 1

Creator: Garcia, Hilario A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-84724-1

Login Number: 84724

List Number: 2

Creator: Cahill, Nicholas P

List Source: Eurofins Sacramento

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-84724-2
Client Project/Site: 1510-1540 Parkmoor Ave

For:
Ninyo & Moore
2020 Challenger Drive
Suite 103
Alameda, California 94501

Attn: Daysi Nemecio Rodriguez



Authorized for release by:
3/9/2022 8:56:37 PM

Justinn Gonzales, Project Manager I
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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	6
QC Sample Results	7
QC Association Summary	8
Lab Chronicle	9
Certification Summary	10
Method Summary	11
Sample Summary	12
Chain of Custody	13
Receipt Checklists	17

Definitions/Glossary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-2

Job ID: 320-84724-2

Laboratory: Eurofins Sacramento

Narrative

Job Narrative 320-84724-2

Comments

No additional comments.

Receipt

The samples were received on 2/11/2022 11:07 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 8.9° C.

Metals

Method 6010B: The matrix spike duplicate (MSD) recoveries for preparation batch 320-570241 and 320-570938 and analytical batch 320-571367 was outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Detection Summary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-2

Client Sample ID: SB-COMPOSITE 5A,5B,5C,5D

Lab Sample ID: 320-84724-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.8		2.0		mg/Kg	1		6010B	Total/NA

- 1
- 2
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- 4
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- 12
- 13
- 14

This Detection Summary does not include radiochemical test results.

Eurofins Sacramento

Client Sample Results

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-2

Client Sample ID: SB-COMPOSITE 5A,5B,5C,5D

Lab Sample ID: 320-84724-9

Date Collected: 02/11/22 10:45

Matrix: Solid

Date Received: 02/11/22 11:07

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.8		2.0		mg/Kg		03/07/22 15:36	03/08/22 10:25	1

- 1
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- 13
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QC Sample Results

Client: Ninyo & Moore
 Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 320-570938/1-A
Matrix: Solid
Analysis Batch: 571367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 570938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0		mg/Kg		03/07/22 15:36	03/08/22 09:59	1

Lab Sample ID: LCS 320-570938/2-A
Matrix: Solid
Analysis Batch: 571367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 570938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	47.0		mg/Kg		94	80 - 120

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QC Association Summary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-2

Metals

Prep Batch: 570938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84724-9	SB-COMPOSITE 5A,5B,5C,5D	Total/NA	Solid	3050B	571050
MB 320-570938/1-A	Method Blank	Total/NA	Solid	3050B	
LCS 320-570938/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Composite Batch: 571050

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84724-9	SB-COMPOSITE 5A,5B,5C,5D	Total/NA	Solid	Composite	

Analysis Batch: 571367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-84724-9	SB-COMPOSITE 5A,5B,5C,5D	Total/NA	Solid	6010B	570938
MB 320-570938/1-A	Method Blank	Total/NA	Solid	6010B	570938
LCS 320-570938/2-A	Lab Control Sample	Total/NA	Solid	6010B	570938

Lab Chronicle

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-2

Client Sample ID: SB-COMPOSITE 5A,5B,5C,5D

Lab Sample ID: 320-84724-9

Date Collected: 02/11/22 10:45

Matrix: Solid

Date Received: 02/11/22 11:07

<u>Prep Type</u>	<u>Batch Type</u>	<u>Batch Method</u>	<u>Run</u>	<u>Dil Factor</u>	<u>Initial Amount</u>	<u>Final Amount</u>	<u>Batch Number</u>	<u>Prepared or Analyzed</u>	<u>Analyst</u>	<u>Lab</u>
Total/NA	Composite	Composite					571050	02/16/22 12:41	JP	TAL SAC
Total/NA	Prep	3050B			1.01 g	100 mL	570938	03/07/22 15:36	JP	TAL SAC
Total/NA	Analysis	6010B		1			571367	03/08/22 10:25	SP	TAL SAC

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Accreditation/Certification Summary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-2

Laboratory: Eurofins Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
California	State	2897	01-31-23

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Method Summary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL SAC
3050B	Preparation, Metals	SW846	TAL SAC
Composite	Sample Compositing	None	TAL SAC

Protocol References:

None = None

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Sample Summary

Client: Ninyo & Moore
Project/Site: 1510-1540 Parkmoor Ave

Job ID: 320-84724-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-84724-9	SB-COMPOSITE 5A,5B,5C,5D	Solid	02/11/22 10:45	02/11/22 11:07

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Gonzales, Justinn

From: Daysi Nemecio Rodriguez <dnemeciorodriguez@ninyoandmoore.com>
Sent: Monday, March 7, 2022 9:26 AM
To: Gonzales, Justinn
Subject: RE: Eurofins Environment Testing Northern California, LLC report and EDD files from 320-84724-1 1510-1540 Parkmoor Ave

EXTERNAL EMAIL*

Thanks Justinn, that works. Please proceed.

Daysi Nemecio Rodriguez

Project Geologist
Ninyo & Moore
510.343.3000 (x15230)

From: Gonzales, Justinn [mailto:Justinn.Gonzales@Eurofinset.com]
Sent: Monday, March 7, 2022 9:24 AM
To: Daysi Nemecio Rodriguez <dnemeciorodriguez@ninyoandmoore.com>
Subject: RE: Eurofins Environment Testing Northern California, LLC report and EDD files from 320-84724-1 1510-1540 Parkmoor Ave

Hi Daysi,
Lab can do a 2 day rush due 3/9.
Kind Regards,

Justinn Gonzales
Project Manager

Phone: 925-484-1919
Direct: 916-374-4344



Justinn.Gonzales@EurofinsET.com
www.EurofinsUS.com/env

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From: Gonzales, Justinn
Sent: Monday, March 7, 2022 9:20 AM
To: Daysi Nemecio Rodriguez <dnemeciorodriguez@ninyoandmoore.com>; Smith, Micah

<Michah.Smith@Eurofinset.com>

Subject: RE: Eurofins Environment Testing Northern California, LLC report and EDD files from 320-84724-1 1510-1540 Parkmoor Ave
Importance: High

Hi Daysi,
I apologize, I missed your email. Checking with the lab on the TAT they can provide.
Thank you,

Justinn Gonzales
Project Manager

Phone: 925-484-1919
Direct: 916-374-4344



Justinn.Gonzales@EurofinsET.com
www.EurofinsUS.com/env

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From: Daysi Nemecio Rodriguez <dnemeciorodriguez@ninyoandmoore.com>
Sent: Monday, March 7, 2022 9:14 AM
To: Smith, Micah <Michah.Smith@Eurofinset.com>
Cc: Gonzales, Justinn <Justinn.Gonzales@Eurofinset.com>
Subject: RE: Eurofins Environment Testing Northern California, LLC report and EDD files from 320-84724-1 1510-1540 Parkmoor Ave

EXTERNAL EMAIL*

Micah,

I have not seen confirmation for the request below. Can you assist?

Thanks,

Daysi Nemecio Rodriguez
Project Geologist
Ninyo & Moore
510.343.3000 (x15230)

From: Daysi Nemecio Rodriguez
Sent: Thursday, March 3, 2022 9:17 AM
To: Justinn Gonzales <Justinn.Gonzales@Eurofinset.com>

Subject: RE: Eurofins Environment Testing Northern California, LLC report and EDD files from 320-84724-1 1510-1540 Parkmoor Ave

Justinn,

Can you please analyze the four-point composite sample SB-5A,5B,5C,5D for arsenic on a rush TAT?

Thanks,

Daysi Nemecio Rodriguez

Project Geologist

Ninyo & Moore

510.343.3000 (x15230)

From: Justinn Gonzales [<mailto:Justinn.Gonzales@Eurofinset.com>]

Sent: Friday, February 25, 2022 3:20 PM

To: Daysi Nemecio Rodriguez <dnemeciorodriguez@ninyoandmoore.com>

Subject: Eurofins Environment Testing Northern California, LLC report and EDD files from 320-84724-1 1510-1540 Parkmoor Ave

Hello,

Attached please find the report and EDD files for job 320-84724-1; 1510-1540 Parkmoor Ave

Please feel free to contact me if you have any questions.

Thank you.

Justinn Gonzales

Project Manager

Eurofins Sacramento

Phone: 925-484-1919

E-mail: Justinn.Gonzales@Eurofinset.com

www.eurofinsus.com/env



Reference: [320-422391]

Attachments: 2

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Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-84724-2

Login Number: 84724

List Source: Eurofins Sacramento

List Number: 1

Creator: Garcia, Hilario A

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 320-84724-2

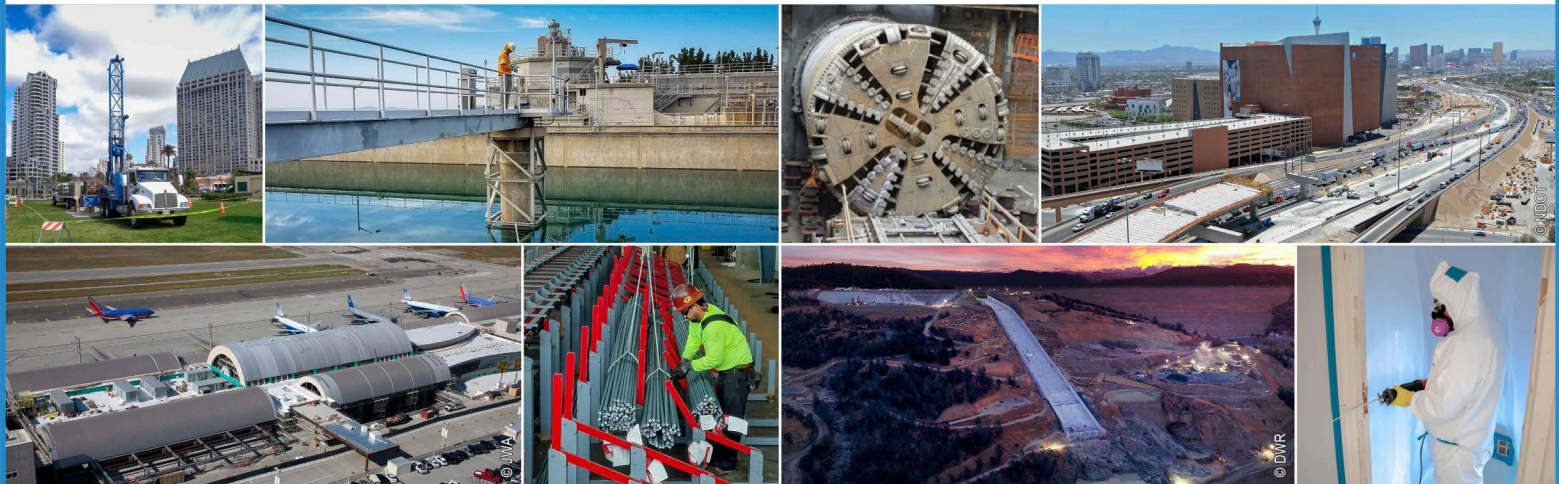
Login Number: 84724

List Source: Eurofins Sacramento

List Number: 2

Creator: Cahill, Nicholas P

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.8c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	False	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



2020 Challenger Drive, Suite 103 | Alameda, California 94501 | p. 510.343.3000

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ninyoandmoore.com

Ninyo & Moore
Geotechnical & Environmental Sciences Consultants