

APPENDIX F-2

Soil Sampling and Pesticide Analysis

Prepared by

Moore Twining Associates

November 2018



November 2, 2018

MTP 18-1091

Mr. Bert Verrips, AICP
Environmental Consulting Services
11942 Red Hill Avenue
Santa Ana, California 92705

RE: Soil Sampling and Pesticide Analysis
Aquamarine Solar Project
Kings County, California

Dear Mr. Verrips:

This letter presents the results and findings of limited Phase II to investigate soils at a property located at the intersection of 25th Avenue and Laurel Avenue in an unincorporated area of Kings County, west of the City of Stratford, California (Site). It is Moore Twining Associates, Inc. (Moore Twining) understanding that this investigation was requested by you as part of your due diligence for the subject property related to development of the Site.

The purpose of the soil sampling and analysis was to assess if persistent pesticides are present in on-Site soil that exceed human health or waste disposal screening levels, and if aerially deposited lead was present in soils near the planned Site entryways.

SOIL SAMPLING METHODS

Four soil borings (SB-1 through SB-4) were hand-augured on October 24, 2018 for collection of shallow soil samples to characterize organochlorinated pesticides (OCPs) in soil. Soil boring locations are shown on the attached drawing. At each boring location, soil samples were collected from 0.5-foot below surface grade (bsg) and 2.5 feet bsg.

Four soil borings (LB-1 through LB-4) were hand-augured on October 24, 2018 for collection of shallow soil samples to characterize aerially deposited lead (ADL) generated by automobile traffic on entries to major roads. LB-1 and LB-2 were taken from the northwest corner of the Site near Avenal Cutoff Road; LB-3 and LB-4 were taken from the southwest corner of the Site near Laurel Avenue. At each boring location, soil samples were collected from 0.5-foot below surface grade (bsg).

Soil samples were collected from the specified depths by driving a pre-cleaned stainless-steel sleeve into the undisturbed soil using a slide-hammer soil sampler. The sleeve was subsequently capped with Teflon sheets and plastic caps, labeled with the sample date/time and a unique soil sample number, placed in a chilled ice chest, and delivered under chain of custody (COC) documentation to Moore Twining's Laboratory. The soil samples were analyzed for OCPs by EPA Method 8081A and for lead by EPA Method 6010B. The number and location of the samples was specified by the client.

RESULTS AND RECOMMENDATIONS

Pesticides were not detected above the method detection limit (non-detect). Lead was detected at concentrations ranging from 7.7 milligrams per kilograms (mg/kg) to 10 mg/kg, with an average concentration of 8.8 mg/kg. The detected concentrations are below the Human Health Risk Assessment (HHRA) for residential soils of 80 mg/kg and below the soluble threshold limit concentration of 5 milligrams/Liter (mg/L) for landfill sampling requirements. No other chemicals of concern were detected above the method detection limit. A copy of the laboratory report and Moore Twining's chain of custody is included with this letter.

Moore Twining does not recommend any further action.

LIMITATIONS

The scope of the investigation undertaken to conduct this soil characterization screening was intended to be an interactive process. The purpose of an environmental assessment is to reasonably characterize existing Site conditions based on field observations and laboratory analytical data. In performing such a study, it is understood that a balance must be struck between a reasonable inquiry into the Site conditions and an exhaustive analysis of each conceivable environmental characteristic.

Conditions of interest may exist at the Site that cannot be identified by visual observations and the scope of the work performed as part of this analysis. Where subsurface exploratory work was performed, our professional opinions were based in part on interpretation of data from discrete sampling locations that may not represent actual conditions or un-sampled locations. If conditions of interest were not identified during performance of the work, such a finding should not be construed as a guarantee that such conditions do not exist at the Site.

This work was conducted in accordance with generally accepted engineering principles and practices in at the time the work was performed. This warranty is in lieu of all other warranties, either expressed or implied. This report was prepared for the sole use of the client and appropriate regulatory agencies. Any reliance on this report by a third party is at such party's sole risk.

CLOSING

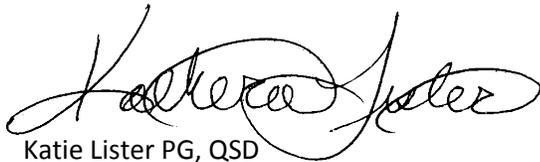
We appreciate the opportunity to be of service to you on this project. Please contact our office at (800) 268-7021 if you have any questions regarding this report.

Sincerely,

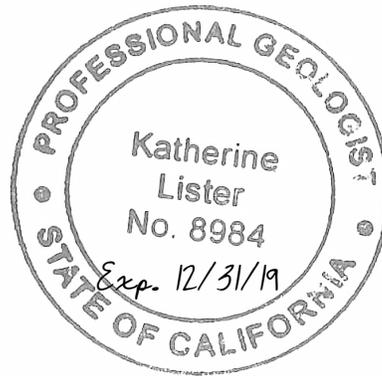
MOORE TWINING ASSOCIATES, INC.
Environmental Services Division

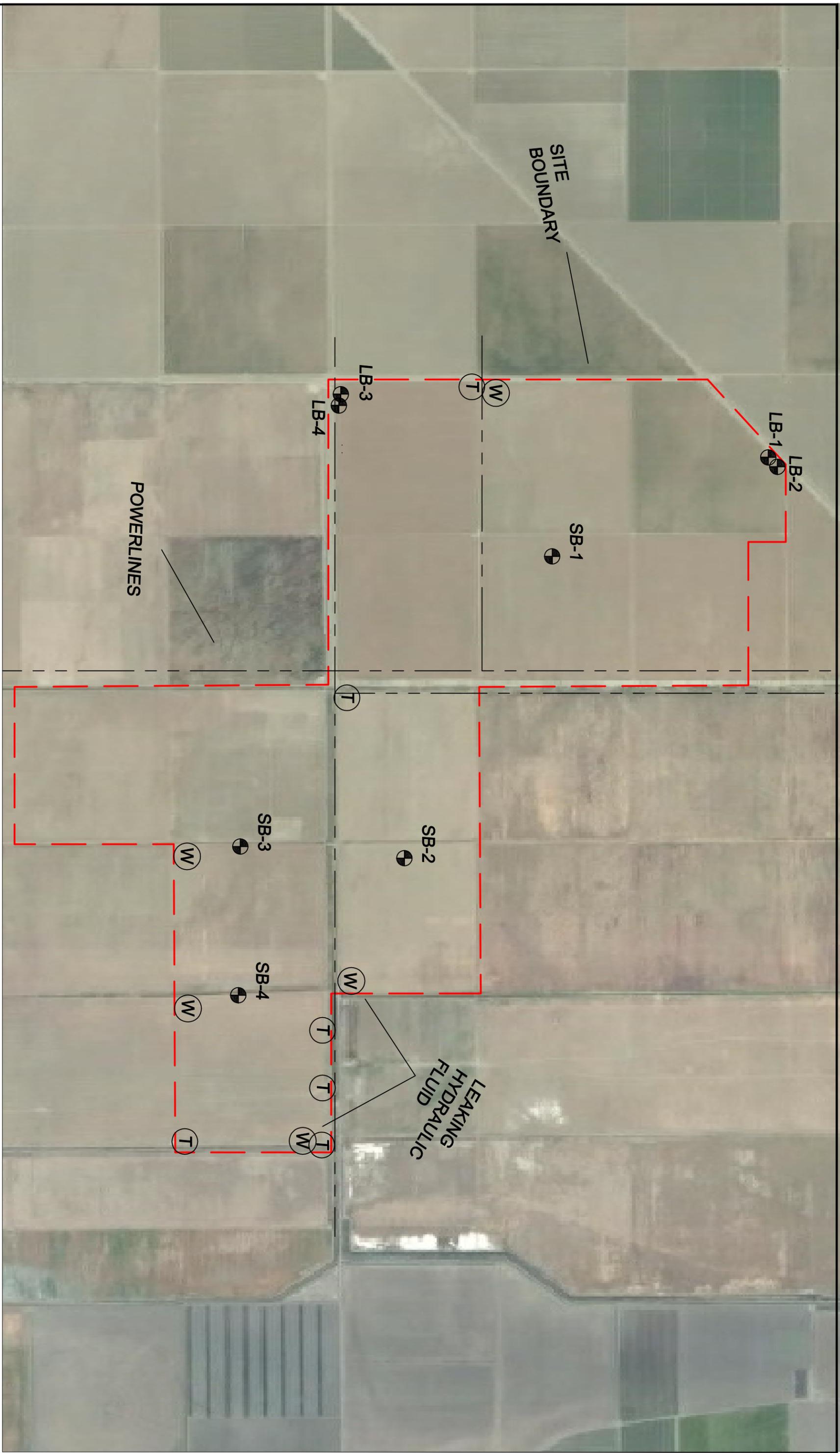


Cecilia Simpson
Phase I Assessment Project Manager



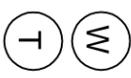
Katie Lister PG, QSD
Environmental Division Manager





POWERLINES

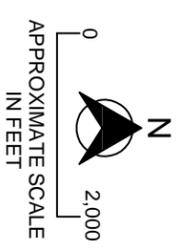
SAMPLE LOCATION



WELL



TRANSFORMER



MOORE TWINING ASSOCIATES, INC.

AQUAMARINE SOLAR PROJECT
25TH AVENUE AND LAUREL AVENUE
KINGS COUNTY, CALIFORNIA

FILE NO.	DATE DRAWN:
DRAWN BY: CS	11/12/18
PROJECT NO. 18-1091	APPROVED BY:
	DRAWING NO. 1



2527 Fresno Street
Fresno, CA 93721
(559) 268-7021 Phone
(559) 268-0740 Fax

October 31, 2018

Work Order #: **EJ24041**

Adam Inman
MTA Environmental Division
2527 Fresno Street
Fresno, CA 93721

RE: MTP 18-1091

Enclosed are the analytical results for samples received by our laboratory on **10/24/18** . For your reference, these analyses have been assigned laboratory work order number **EJ24041**.

All analyses have been performed according to our laboratory's quality assurance program. All results are intended to be considered in their entirety, Moore Twining Associates, Inc. (MTA) is not responsible for use of less than complete reports. Results apply only to samples analyzed.

If you have any questions, please feel free to contact us at the number listed above.

Sincerely,

Moore Twining Associates, Inc.

A handwritten signature in black ink, appearing to read 'Susan Federico', is written in a cursive style.

Susan Federico
Client Services Representative

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: MTP 18-1091
Project Number: Bert Verrips Aquamarine
Project Manager: Adam Inman

Reported:
10/31/2018

Analytical Report for the Following Samples

Sample ID	Notes	Laboratory ID	Matrix	Date Sampled	Date Received
LB-1		EJ24041-01	Soil	10/24/18 10:25	10/24/18 15:35
LB-2		EJ24041-02	Soil	10/24/18 10:27	10/24/18 15:35
LB-3		EJ24041-03	Soil	10/24/18 10:52	10/24/18 15:35
LB-4		EJ24041-04	Soil	10/24/18 10:55	10/24/18 15:35
SB1-0.5'		EJ24041-05	Soil	10/24/18 11:10	10/24/18 15:35
SB2-0.5'		EJ24041-07	Soil	10/24/18 11:44	10/24/18 15:35
SB3-0.5'		EJ24041-09	Soil	10/24/18 12:31	10/24/18 15:35
SB4-0.5'		EJ24041-11	Soil	10/24/18 13:11	10/24/18 15:35

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: MTP 18-1091
Project Number: Bert Verrips Aquamarine
Project Manager: Adam Inman

Reported:
10/31/2018

LB-1

EJ24041-01 (Soil) Sampled: 10/24/18 10:25

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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Metals (Total)

Lead		10	2.0	mg/kg	1	U8J2504	10/25/18	10/26/18	EPA 6010B
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LB-2

EJ24041-02 (Soil) Sampled: 10/24/18 10:27

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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Metals (Total)

Lead		9.0	2.0	mg/kg	1	U8J2504	10/25/18	10/26/18	EPA 6010B
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LB-3

EJ24041-03 (Soil) Sampled: 10/24/18 10:52

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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Metals (Total)

Lead		7.7	2.0	mg/kg	1	U8J2504	10/25/18	10/26/18	EPA 6010B
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LB-4

EJ24041-04 (Soil) Sampled: 10/24/18 10:55

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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Metals (Total)

Lead		8.5	2.0	mg/kg	1	U8J2504	10/25/18	10/26/18	EPA 6010B
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SB1-0.5'

EJ24041-05 (Soil) Sampled: 10/24/18 11:10

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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Metals (Total)

Arsenic		ND	2.0	mg/kg	1	U8J2504	10/25/18	10/26/18	EPA 6010B
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Semi-Volatile Organics

8081A Twining

4,4'-DDD		ND	0.0033	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
4,4'-DDE		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
4,4'-DDT		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Aldrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
alpha-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
alpha-Chlordane		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
beta-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Chlordane (tech)		ND	0.036	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
delta-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Dieldrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: MTP 18-1091
Project Number: Bert Verrips Aquamarine
Project Manager: Adam Inman

Reported:
10/31/2018

SB1-0.5'

EJ24041-05 (Soil)

Sampled: 10/24/18 11:10

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Semi-Volatile Organics									
8081A Twining									
Endosulfan I		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan II		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan sulfate		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin aldehyde		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin ketone		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
gamma-BHC (Lindane)		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
gamma-Chlordane		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Heptachlor		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Heptachlor epoxide		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Methoxychlor		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Toxaphene		ND	0.020	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Trifluralin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Surr: Decachlorobiphenyl (DCB)		78.7%	Recovery Limits: 11.4% - 122%			U8J3012	10/30/18	10/30/18	EPA 8081A
Surr: Tetrachloro-meta-xylene (TMX)		59.0%	Recovery Limits: 8.5% - 170%			U8J3012	10/30/18	10/30/18	EPA 8081A

SB2-0.5'

EJ24041-07 (Soil)

Sampled: 10/24/18 11:44

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Arsenic		ND	2.0	mg/kg	1	U8J2504	10/25/18	10/26/18	EPA 6010B
Semi-Volatile Organics									
8081A Twining									
4,4'-DDD		ND	0.0033	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
4,4'-DDE		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
4,4'-DDT		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Aldrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
alpha-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
alpha-Chlordane		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
beta-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Chlordane (tech)		ND	0.036	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
delta-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Dieldrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan I		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan II		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan sulfate		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin aldehyde		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin ketone		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
gamma-BHC (Lindane)		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
gamma-Chlordane		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Heptachlor		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: MTP 18-1091
Project Number: Bert Verrips Aquamarine
Project Manager: Adam Inman

Reported:
10/31/2018

SB2-0.5'

EJ24041-07 (Soil)

Sampled: 10/24/18 11:44

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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Semi-Volatile Organics

8081A Twining

Heptachlor epoxide		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Methoxychlor		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Toxaphene		ND	0.020	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Trifluralin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Surr: Decachlorobiphenyl (DCB)		71.9%	Recovery Limits: 11.4% - 122%			U8J3012	10/30/18	10/30/18	EPA 8081A
Surr: Tetrachloro-meta-xylene (TMX)		61.4%	Recovery Limits: 8.5% - 170%			U8J3012	10/30/18	10/30/18	EPA 8081A

SB3-0.5'

EJ24041-09 (Soil)

Sampled: 10/24/18 12:31

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
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Metals (Total)

Arsenic		ND	2.0	mg/kg	1	U8J2504	10/25/18	10/26/18	EPA 6010B
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Semi-Volatile Organics

8081A Twining

4,4'-DDD		ND	0.0033	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
4,4'-DDE		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
4,4'-DDT		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Aldrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
alpha-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
alpha-Chlordane		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
beta-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Chlordane (tech)		ND	0.036	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
delta-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Dieldrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan I		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan II		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan sulfate		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin aldehyde		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin ketone		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
gamma-BHC (Lindane)		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
gamma-Chlordane		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Heptachlor		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Heptachlor epoxide		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Methoxychlor		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Toxaphene		ND	0.020	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Trifluralin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Surr: Decachlorobiphenyl (DCB)		76.6%	Recovery Limits: 11.4% - 122%			U8J3012	10/30/18	10/30/18	EPA 8081A
Surr: Tetrachloro-meta-xylene (TMX)		65.8%	Recovery Limits: 8.5% - 170%			U8J3012	10/30/18	10/30/18	EPA 8081A

MTA Environmental Division
2527 Fresno Street
Fresno CA, 93721

Project: MTP 18-1091
Project Number: Bert Verrips Aquamarine
Project Manager: Adam Inman

Reported:
10/31/2018

SB4-0.5'

EJ24041-11 (Soil)

Sampled: 10/24/18 13:11

Analyte	Flag	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method
Metals (Total)									
Arsenic		ND	2.0	mg/kg	1	U8J2504	10/25/18	10/26/18	EPA 6010B
Semi-Volatile Organics									
8081A Twining									
4,4'-DDD		ND	0.0033	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
4,4'-DDE		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
4,4'-DDT		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Aldrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
alpha-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
alpha-Chlordane		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
beta-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Chlordane (tech)		ND	0.036	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
delta-BHC		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Dieldrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan I		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan II		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endosulfan sulfate		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin aldehyde		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Endrin ketone		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
gamma-BHC (Lindane)		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
gamma-Chlordane		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Heptachlor		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Heptachlor epoxide		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Methoxychlor		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Toxaphene		ND	0.020	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Trifluralin		ND	0.010	mg/kg	1	U8J3012	10/30/18	10/30/18	EPA 8081A
Surr: Decachlorobiphenyl (DCB)		77.0%	Recovery Limits: 11.4% - 122%			U8J3012	10/30/18	10/30/18	EPA 8081A
Surr: Tetrachloro-meta-xylene (TMX)		69.0%	Recovery Limits: 8.5% - 170%			U8J3012	10/30/18	10/30/18	EPA 8081A

Notes and Definitions

- µg/L micrograms per liter (parts per billion concentration units)
- mg/L milligrams per liter (parts per million concentration units)
- mg/kg milligrams per kilogram (parts per million concentration units)
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference

Analysis of pH, filtration, and residual chlorine is to take place immediately after sampling in the field.
If the test was performed in the laboratory, the hold time was exceeded. **(for aqueous matrices only)**



MOORE TWINING

ANALYTICAL CHEMISTRY DIVISION
CALIFORNIA ELAP CERTIFICATION # 1371

CHAIN OF CUSTODY/ANALYSIS REQUEST

2527 FRESNO STREET • FRESNO, CA 93721 • PHONE (559) 268-7021 • FAX: (559) 268-0740

WORK ORDER #:
PAGE 1 OF 3

EJ24041

REPORT TO:

INVOICE TO:

REPORT COPY TO:

REPORTING:

ATTENTION: Adam Inman	ATTENTION: Adam Inman	<input type="checkbox"/> STANDARD FORMAT <input type="checkbox"/> EDT (STATE FORM) <input type="checkbox"/> GEOTRACKER/COELT (LUFT) <input type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> County DHS : <input type="checkbox"/> Environmental Health Agency : <input type="checkbox"/> OTHER:
NAME: Moore Twining Associates	NAME: Moore Twining Associates	
ADDRESS: 2527 Fresno Street	ADDRESS: 2527 Fresno Street	
PHONE: (559)268-7021	PHONE: 559-268-7021	
FAX: (559)268-7126	FAX: 559-268-7126	
ADDRESS: Fresno, CA 93721	ADDRESS: Fresno, California 93721	

SAMPLE INFORMATION

SAMPLED BY (PRINT):
Adam Inman

SIGNATURE: *Adam Inman*

PUBLIC SYSTEM **ROUTINE**
 PRIVATE WELL **REPEAT**
 OTHER **REPLACEMENT**

TURN AROUND TIME: **RUSH, DUE ON:**
 STANDARD *7 DAY TAT*

SAMPLE TYPES:

SOLID:
 BS - BIOSOLID
 CR - CERAMIC
 SL - SOIL/SOLID

LIQUID:
 DW - DRINKING WATER
 GW - GROUND WATER
 OL - OIL
 SF - SURFACE WATER
 ST - STORM WATER
 WW - WASTE WATER

PROJECT INFORMATION

CONTRACT/P.O. NO.:

PROJECT: *MTP 18-1091*

PROJECT NUMBER: *Best Verrips Aquamarine*

CRWA MEMBER? YES NO

NOTES ON RECEIVED CONDITION:

CUSTODY SEAL(S) BROKEN **SAMPLE(S) DAMAGED**
 ON ICE **AMBIENT TEMP.** **INCORRECT PRESERVATION**

LAB USE	CLIENT SAMPLE ID				DATE	TIME	TYPE	Organochlorine Pesticides	Arsenic	Lead	ON HOLD	System Number / Station Code
	1	LB-1				10/24/18	1025	SL		X		
2	LB-2				10/24/18	1027	SL		X			
3	LB-3				10/24/18	1052	SL		X			
4	LB-4				10/24/18	1055	SL		X			
5	SB1-0.5'				10/24/18	1110	SL	X	X			
6	SB1-2'				10/24/18	1121	SL			X		
7	SB2-0.5'				10/24/18	1144	SL	X	X			
8	SB2-2'				10/24/18	1201	SL			X		
9	SB3-0.5'				10/24/18	1231	SL	X	X			
10	SB3-2'				10/24/18	1243	SL			X		

COMMENTS/ADDITIONAL INSTRUCTIONS: **7 Day TAT. Hold 2' samples pending the results of the 0.5' samples**

RELINQUISHED BY	COMPANY	DATE	TIME	RECEIVED BY	COMPANY
<i>Adam Inman</i>	<i>1535</i>	<i>10/24/18</i>	<i>MTA 1535</i>	<i>Adam Inman</i>	<i>MTA</i>

COC Info	Was temperature within range? Chemistry $\leq 6^{\circ}\text{C}$ Micro $< 10^{\circ}\text{C}$ Temp $^{\circ}\text{C}$	Yes		No		N/A	Were there bubbles in VOA vials? (Volatiles Only)	Were PM notified of discrepancies? PM: By/Time:	Yes	No	N/A	Date/Time/Initials
		Yes	No	Yes	No							
Did all bottles arrive unbroken and intact?	Recvd $^{\circ}\text{C}$	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Do samples have a hold time < 72 hours?		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
125ml (A) 250ml (B) 1Liter (C) 40ml VOA (V)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Bacti $\text{Na}_2\text{S}_2\text{O}_3$		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
None (Plastic)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Cr6 Buffer (P) Borate Carbonate Buffer		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
HNO_3 (P)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
H_2SO_4 (P)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
NaOH (P)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
$\text{NaOH} + \text{ZnAc}$ (P)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Dissolved Oxygen 300ml (P)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
None (Clear Glass)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
None (Amber Glass)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
None (CG) 500ml		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
$\text{Na}_2\text{S}_2\text{O}_3$ 250ml (Brown Plastic) 549		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
$\text{Na}_2\text{S}_2\text{O}_3$ (AG)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
$\text{Na}_2\text{S}_2\text{O}_3$ (AG)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Thio/K Citrate		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
NH_4Cl (AG) 552		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
HCl (Amber Glass)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
HCl (Clear Glass)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
H_3PO_4 (AG)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Other:		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Plastic Bag		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Low Level Hg/Metals Double Bag		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Client Own		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Glass Jar: 125/ 250/ 500		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Soil Tube: Brass/ Steel/ Plastic		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
5 g. Encore		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
1Gallon Cubitainer		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	
Ascorbic Acid (AG)		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	N/A			<input checked="" type="checkbox"/>	<input type="checkbox"/>	N/A	

Labels checked by: JS @ 1640 Labeled by: gbc @ 1640 Filter or Split: S P F Container: S P F Preservative: S P F Date/Time/Initials: S P F