AEI Consultants

August 4, 2017

LIMITED SOIL INVESTIGATION

Property Identification:
NW Corner Holland Road & I-215
Menifee, California 92584

AEI Project No. 363593

Prepared for:
Mr. Jim Nelson
JPN Corporation, Inc.
P.O. Box 27240
San Diego, California 92198

Prepared by:
AEI Consultants
2207 West 190th Street
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Environmental Due Diligence

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TABLE OF CONTENTS

AEI Consultants

August 4, 2017

Mr. Jim Nelson
JPN Corporation, Inc.
P.O. Box 27240
San Diego, California 92198

Subject: **Limited Soil Sampling Investigation**
NW Corner Holland Road & I-215
Menifee, California 92584
AEI Project No. 363593

AEI Consultants (AEI) is pleased to provide this report which describes the activities and results of the Limited Soil Sampling Investigation performed at the above referenced Site (Figures 1 and 2). This investigation was completed in general accordance with the authorized scope of services outlined in our authorized proposal number 52887.

1.0 SITE DESCRIPTION

The Site consists of approximately 37 acres of vacant, former agricultural land on the northeastern corner of the intersection of Holland and Haun Roads west of Interstate 215 in a mixed residential, commercial, and agricultural area of Menifee, California (Figure 2).

The Site is relatively flat and slopes towards the northeast at an elevation of approximately 1431 feet above mean sea level. The regional topographic gradient direction slopes toward the northeast and, therefore, the direction of groundwater flow beneath the Site is inferred to be to the northeast. Menifee Lake is located approximately 0.5 miles to the northeast. The Site is underlain by Quaternary alluvium.

The *Preliminary Environmental Assessment Report*, issued by Converse Consultants of Redlands, California on June 12, 2012, citing February 2008 data from the Western Municipal Water District, states that depth to groundwater approximately 0.5-mile northeast of the Site is approximately 100.8 feet below ground surface (bgs).

2.0 BACKGROUND

A Phase I Environmental Site Assessment (ESA) was performed by AEI as detailed in a report dated October 12, 2016 (AEI Project Number 363593). As detailed in the Phase I ESA, the Site has been for agricultural purposes until 2013 and has been vacant and undeveloped since that time. Based on its periodic use as agricultural land, the Site history indicates the potential that agricultural chemicals such as pesticides, herbicides, and fertilizers were used on the Site. As such, AEI recommended soil sampling to determine whether the Site has been adversely impacted by the historic agricultural activities.

3.0 INVESTIGATION EFFORTS

AEI was requested to perform a subsurface investigation, including the collection of soil samples, to evaluate whether the previous agricultural operations have adversely impacted the Site.

This work was performed under the oversight of a licensed California Professional Geologist.

3.1 Health and Safety Plan

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

3.2 Permitting and Utility Clearance

Drilling permits were not required for this investigation. The public underground utility locating service DigAlert was notified to identify public utilities in the work area.

3.3 Drilling and Soil Sample Collection

On July 11, 2017, 9 soil borings (B-1 through B-9) were advanced on the Site in an approximate grid pattern (Figure 2). The borings were advanced by AEI using a hand auger. The borings were advanced to a depth of 5 feet bgs. The locations of each boring are listed below:

- Boring B-1 was advanced in the southwestern portion of the Site.
- Boring B-2 was advanced in the south-central portion of the Site.
- Boring B-3 was advanced in the southeastern portion of the Site.
- Boring B-4 was advanced in the western portion of the Site.
- Boring B-5 was advanced in the northwestern portion of the Site.
- Boring B-6 was advanced in the central portion of the Site.
- Boring B-7 was advanced in the eastern portion of the Site.
- Boring B-8 was advanced in the north-central portion of the Site.
- Boring B-9 was advanced in the northeastern portion of the Site.

The borings were advanced using 3-inch outer diameter auger bucket and samples were collected in clean, laboratory-supplied glass jars.

The soil borings were logged using the Unified Soil Classification System. A photo ionization detector (PID) was used to screen soil samples in the field and the PID readings for each sample were included on the boring logs (Appendix A).

Down-hole equipment was decontaminated using a triple rinse system containing detergent.

3.4 Boring Destruction

Following completion of sample collection and removal of tooling, the borings were backfilled with native soil.

3.5 Laboratory Analyses

The soil samples were labeled and placed into a cooler with ice following sampling. The samples were transferred under appropriate chain-of-custody documentation to Eurofins/CalScience of Garden Grove, California. Laboratory analytical documentation is provided in Appendix B.

Laboratory analysis of 9 soil samples consisted of the following:

- CAM-17/Title-22 Metals by U.S. Environmental Protection Agency (EPA) Method 6010B/7471A
- Organophosphorus Pesticides (OPPs) by U.S. EPA Method 8081A
- Organochlorine Pesticides (OCPs) by U.S. EPA Method 8141A
- Herbicides by U.S. EPA Method 8151A

3.6 Investigation Derived Wastes

No investigation derived waste was created during this investigation.

4.0 FINDINGS

The soil results for metals from this investigation were reviewed and compared to the June 2017 RSLs and the background concentrations of metals that naturally exists in Southern California soils. A study entitled Background Concentrations of Trace and Major Elements in California Soils, dated March 1996, by the Kearney Foundation of Soil Science was also reviewed for information on the concentrations of background metals in California soils. The Kearny report is a relevant source used by public policy makers and those in the private sector concerned with environmental remediation and land use planning.

The soil results for OPPs, OCPs, and herbicides analyzed as part of this investigation were reviewed and compared to the June 2017 U.S. EPA Industrial Regional Screening Levels (RSLs), Region 9. The RSLs are risk-based concentrations derived from standardized equations combining exposure information assumptions with U.S. EPA toxicity data. The RSLs are used for site screening and as initial cleanup goals, if applicable. The RSLs are considered by the U.S. EPA to be protective for humans (including sensitive groups) over a lifetime; however, they are not always applicable to a particular site and do not address non-human health endpoints, such as ecological impacts.

4.1 Geology and Hydrogeology

Sediment encountered in each of the borings generally consisted of loose to moderately dense, very fine-to-fine, dry silty sand underlain by moderately dense, very fine-to-medium grain dry to moist clayey sand with trace amounts of silt (Appendix B).

Groundwater was not encountered in borings B-1 through B-9 and was not part of this investigation.

4.2 Soil Sample Analytical Results

The following information is a summary of the soil sample analytical test results for metals (Appendix B). This information has also been included in Table 1.

- Metals were detected in each of the soil samples submitted for analysis. The detected concentrations were below their respective regulatory screening levels

The following information is a summary of the soil sample analytical test results for pesticides (Appendix B). This information has also been included in Table 2.

- Pesticides were not detected above laboratory method detection limits in the soil samples submitted for analysis.

The following information is a summary of the soil sample analytical test results for herbicides (Appendix B). This information has also been included in Table 3.

- Herbicides were not detected above laboratory method detection limits in the soil samples submitted for analysis.

5.0 SUMMARY AND CONCLUSIONS

AEI has completed a limited soil sampling investigation at the Site. The purpose of the investigation was to evaluate current conditions related to historic agricultural activities periodically conducted on the Site as revealed in a Phase I ESA by AEI dated October 12, 2016. A total of 9 borings (B-1 through B-9) were advanced at the Site for the collection of soil samples.

The soil samples submitted for analysis as part of this investigation were analyzed for metals, pesticides, and herbicides. No pesticides or herbicides were detected in the soil samples analyzed as part of this investigation. Metals were detected in each of the soil samples submitted for analysis; however, the detected concentrations were below their respective regulatory screening limits. Based on these results, AEI recommends no further action.

6.0 REPORT LIMITATIONS AND RELIANCE

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

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

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

If there are any questions regarding our investigation, please do not hesitate to contact AEI at 310-798-4255.

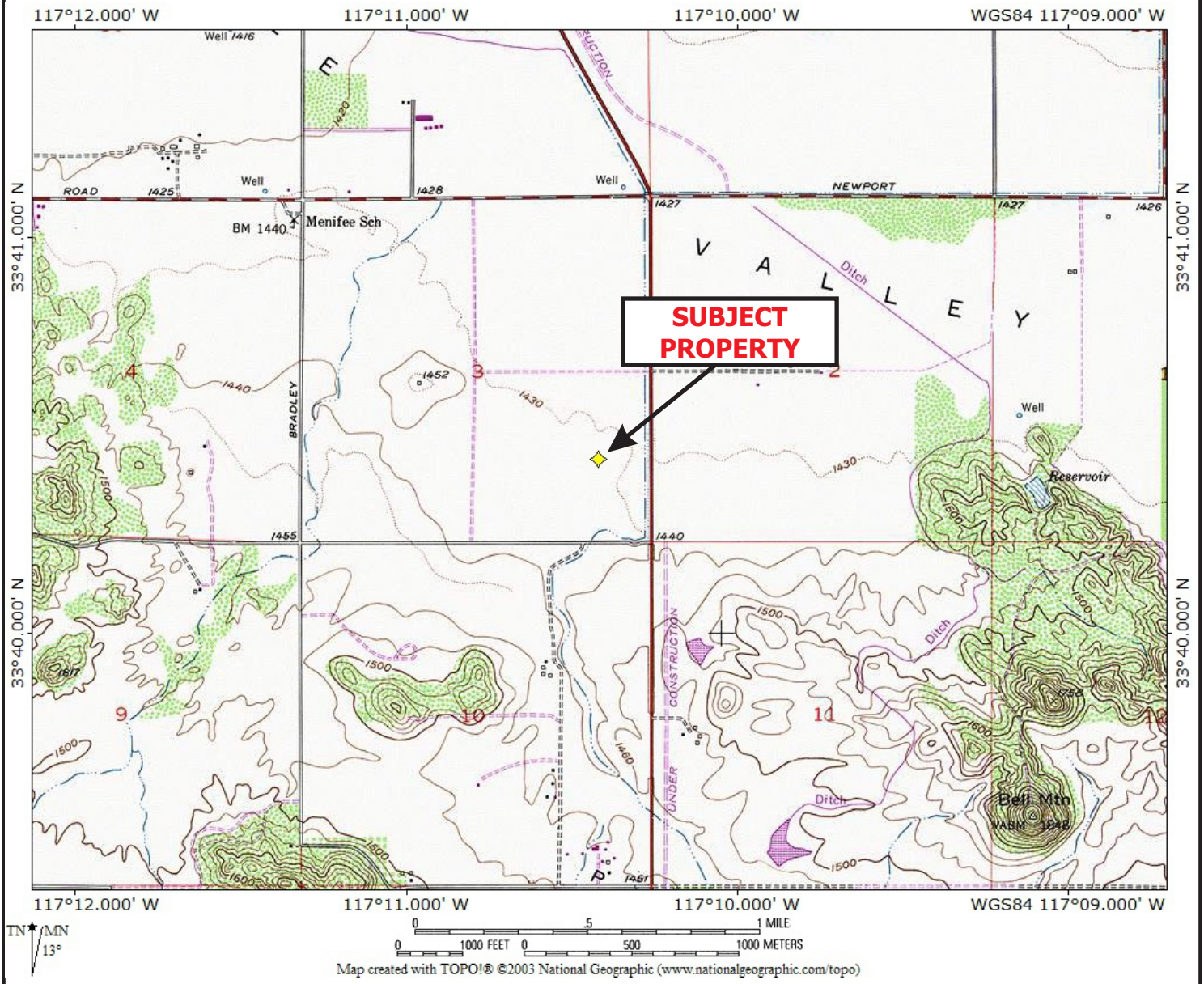
Sincerely,
AEI Consultants

Alicia Siegel
Project Manager

Kent Vollmer, PG, CEG
Department Manager

AEI Consultants
2207 West 190th Street
Torrance, California 90504
Fax: 310-846-5594

FIGURES



LEGEND

Map: Romoland, California Quadrangle
Date: 1979
Source: USGS

N

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2207 West 190th Street,Torrance, California 90504

SITE LOCATION MAP

NW Corner Holland Road & I-215
Menifee, California 92584

FIGURE 1
Project No. 363593

0 175 350
SCALE: 1" = 350'

N

LEGEND

Approximate Subject Property Boundary

B-9 Approximate Sampling Location

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SITE MAP

Northwest Corner of I-215
and Holland Road
Menifee, California

FIGURE 2
Project No. 363593

TABLES

TABLE 1: SOIL SAMPLE METALS DATA SUMMARY
NW Corner Holland Road & I-215, Menifee, California 92584
AEI Project No. 363593

U.S. EPA Method 6010B/7471A for CAM-17 Metals (TTLC)

Location ID	Date	Depth (feet bgs)	Antimony (mg/kg)	Arsenic (mg/kg)	Barium (mg/kg)	Beryllium (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Cobalt (mg/kg)	Copper (mg/kg)	Lead (mg/kg)	Mercury (mg/kg)	Molyb-denum (mg/kg)	Nickel (mg/kg)	Selenium (mg/kg)	Silver (mg/kg)	Thallium (mg/kg)	Vanadium (mg/kg)	Zinc (mg/kg)
B-1	7/11/2017	1	ND<0.781	2.21	68.5	0.372	ND<0.521	10.6	7.75	8.77	4.09	ND<0.0833	ND<0.260	5.26	ND<0.781	ND<0.260	ND<0.781	50.2	31.4
B-2	7/11/2017	1	ND<0.758	2.99	215	0.299	0.680	114	10.9	32.4	23.7	ND<0.0862	0.777	10.9	ND<0.758	ND<0.253	ND<0.758	62.9	101
B-3	7/11/2017	1	ND<0.773	3.05	147	0.292	ND<0.515	21.3	11.1	19.3	5.39	ND<0.0847	ND<0.258	8.23	ND<0.773	ND<0.258	ND<0.773	56.8	58.9
B-4	7/11/2017	1	ND<0.721	4.29	144	0.334	ND<0.481	17.7	12.1	13.7	4.92	ND<0.0833	ND<0.240	7.92	ND<0.721	ND<0.240	ND<0.721	65.4	57.3
B-5	7/11/2017	1	ND<0.769	3.74	157	0.438	ND<0.513	19.6	13.1	17.0	6.21	ND<0.0794	ND<0.256	8.82	ND<0.769	ND<0.256	ND<0.769	77.3	58.3
B-6	7/11/2017	1	ND<0.739	1.91	75.0	ND<0.246	ND<0.493	11.8	8.43	9.07	3.88	ND<0.0833	ND<0.246	4.77	ND<0.739	ND<0.246	ND<0.739	56.8	37.3
B-7	7/11/2017	1	ND<0.750	2.61	70.7	ND<0.250	ND<0.500	13.6	12.3	9.70	3.52	ND<0.0833	ND<0.250	5.50	ND<0.750	ND<0.250	ND<0.750	65.5	39.4
B-8	7/11/2017	1	ND<0.739	2.15	73.8	0.248	ND<0.493	14.7	11.0	10.5	3.81	ND<0.0806	ND<0.246	5.94	ND<0.739	ND<0.246	ND<0.739	68.7	41.2
B-9	7/11/2017	1	ND<0.758	2.62	76.3	0.297	ND<0.505	15.1	10.2	10.6	4.03	ND<0.0806	ND<0.253	6.16	ND<0.758	ND<0.253	ND<0.758	67.3	39.8
Comparison Values based on California Maximum Background Concentration in mg/kg*			1.95	11.0	1,400	2.7	1.7	1,579	46.9	96.4	97.1	0.90	9.6	509	0.430	8.30	1.10	288	236
Comparison Values in mg/kg from U.S. EPA Regional Industrial Screening Levels for Region 9; THQ=0.1; June 2017			47	3.0	22,000	230	98	6.3	35	4,700	800	4.6	580	2,200	580	580	1.2	580	35,000

Notes:

	Analyses performed by Eurofins/CalScience, Garden Grove, California
mg/kg	Milligrams per kilogram
bgs	Below ground surface
ND<	Not detected above the method detection limit
EPA	Environmental Protection Agency
J	Estimated value above laboratory method detection limit, but below the limit for reporting
Bold	Result exceeds applicable Comparision Value
*	From Kearney Foundation of Soil Science 1996 Report "Background Concentrations of Trace and Major Elements in California Soils"
CAM	California Administrative Manual - presently known as the California Code of Regulations
TTLC	Total Threshold Limit Concentrations - the limit at which concentrations of a metal in soil is considered hazardous

TABLE 2: SOIL SAMPLE PESTICIDES DATA SUMMARY
NW Corner Holland Road & I-215, Menifee, California 92584
AEI Project No. 363593

			U.S. EPA Method 8081A			U.S. EPA Method 8141A			
Location ID	**Date**	**Depth** (feet bgs)	**4,4'-DDD** (mg/kg)	**4,4'-DDE** (mg/kg)	**4,4'-DDT** (mg/kg)	**Diazinon** (mg/kg)	**Disulfoton** (mg/kg)	**Methyl Parathion** (mg/kg)	**All Other Pesticides** (mg/kg)
B-1	7/11/2017	1	ND<0.005	ND<0.005	ND<0.005	ND<0.50	ND<0.50	ND<0.50	<MDL
B-2	7/11/2017	1	ND<0.005	ND<0.005	ND<0.005	ND<0.49	ND<0.49	ND<0.49	<MDL
B-3	7/11/2017	1	ND<0.005	ND<0.005	ND<0.005	ND<0.49	ND<0.49	ND<0.49	<MDL
B-4	7/11/2017	1	ND<0.005	ND<0.005	ND<0.005	ND<0.48	ND<0.48	ND<0.48	<MDL
B-5	7/11/2017	1	ND<0.005	ND<0.005	ND<0.005	ND<0.50	ND<0.50	ND<0.50	<MDL
B-6	7/11/2017	1	ND<0.005	ND<0.005	ND<0.005	ND<0.49	ND<0.49	ND<0.49	<MDL
B-7	7/11/2017	1	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.48	ND<0.48	ND<0.48	<MDL
B-8	7/11/2017	1	ND<0.0049	ND<0.0049	ND<0.0049	ND<0.49	ND<0.49	ND<0.49	<MDL
B-9	7/11/2017	1	ND<0.005	ND<0.005	ND<0.005	ND<0.49	ND<0.49	ND<0.49	<MDL
Comparison Values in mg/kg from U.S. EPA Regional Industrial Screening Levels for Region 9; THQ=0.1; June 2017			9.6	9.3	8.5	57	3.3	--	Varies

Notes:

	Analyses performed by Eurofins/CalScience, Garden Grove, California
mg/kg	Milligrams per kilogram
ND<	Not detected above the method detection limit (MDL)
bgs	below ground surface
Bold	Result exceeds applicable Comparison Value
J	Estimated value above laboratory method detection limit, but below the limit for reporting
EPA	Environmental Protection Agency
--	Comparison Value not Applicable

TABLE 3: SOIL SAMPLE HERBICIDES DATA SUMMARY
NW Corner Holland Road & I-215, Menifee, California 925484
AEI Project No. 363593

U.S. EPA Method 8151A

Location ID	Date	Depth (feet bgs)	Dicamba (mg/kg)	MCPP (mg/kg)	MCPA (mg/kg)	All Other Herbicides (mg/kg)
B-1	7/11/2017	1	ND<0.0099	ND<9.900	ND<9.900	<MDL
B-2	7/11/2017	1	ND<0.010	ND<10.000	ND<10.000	<MDL
B-3	7/11/2017	1	ND<0.010	ND<10.000	ND<10.000	<MDL
B-4	7/11/2017	1	ND<0.010	ND<10.000	ND<10.000	<MDL
B-5	7/11/2017	1	ND<0.010	ND<10.000	ND<10.000	<MDL
B-6	7/11/2017	1	ND<0.010	ND<10.000	ND<10.000	<MDL
B-7	7/11/2017	1	ND<0.010	ND<10.000	ND<10.000	<MDL
B-8	7/11/2017	1	ND<0.010	ND<10.000	ND<10.000	<MDL
B-9	7/11/2017	1	ND<0.010	ND<10.000	ND<10.000	<MDL
Comparison Values in mg/kg from U.S. EPA Regional Industrial Screening Levels for Region 9; THQ=0.1; June 2017			2,500	82	41	Varies

Notes:

	Analyses performed by Eurofins/CalScience, Garden Grove, California
mg/kg	Milligrams per kilogram
ND<	Not detected above the method detection limit (MDL)
bgs	below ground surface
Bold	Result exceeds applicable Comparison Value
J	Estimated value above laboratory method detection limit, but below the limit for reporting
EPA	Environmental Protection Agency
--	Comparison Value not Applicable

APPENDIX A

Boring Logs

BORING NUMBER B-1

AEI Consultants

Environmental & Engineering Services

CLIENT JPN Corporation, INC
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 363593
PROJECT LOCATION NW corner of Holland Rd. and I-215, Menifee, CA
DATE STARTED 7/11/17 **COMPLETED** 7/11/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR AEI
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING --- N/A
LOGGED BY Dashiell Geyer **CHECKED BY** Kent Vollmer
AT END OF DRILLING --- N/A
NOTES Southwestern boring
AFTER DRILLING --- N/A

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
1	B-1-1		0.0		(SM) SILTY SAND, strong brown (7.5YR, 5/6), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2						
	B-1-2.5		3.6		(SM) SILTY SAND, brown (7.5YR, 4/3), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
					2.5	
3						
4						
	B-1-5		6.4		(SC) CLAYEY SAND, dark brown (7.5YR, 3/3), very fine to medium, dry to moist, medium dense, trace silt.	
5					5.0	

Bottom of borehole at 5.0 feet.

BORING NUMBER B-2

AEI Consultants

Environmental & Engineering Services

CLIENT JPN Corporation, INC
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 363593
PROJECT LOCATION NW corner of Holland Rd. and I-215, Menifee, CA
DATE STARTED 7/11/17 **COMPLETED** 7/11/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR AEI
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING --- N/A
LOGGED BY Dashiell Geyer **CHECKED BY** Kent Vollmer
AT END OF DRILLING --- N/A
NOTES East of B-1
AFTER DRILLING --- N/A

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
1	B-2-1		1.3		(SM) SILTY SAND, strong brown (7.5YR, 5/6), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2						
2	B-2-2.5		5.6		(SM) SILTY SAND, brown (7.5YR, 4/3), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2.5						
3						
4						
5	B-2-5		9.8		(SC) CLAYEY SAND, dark brown (7.5YR, 3/3), very fine to medium, dry to moist, medium dense, trace silt.	
5.0						

Bottom of borehole at 5.0 feet.

BORING NUMBER B-3

AEI Consultants

Environmental & Engineering Services

CLIENT JPN Corporation, INC
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 363593
PROJECT LOCATION NW corner of Holland Rd. and I-215, Menifee, CA
DATE STARTED 7/11/17 **COMPLETED** 7/11/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR AEI
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING --- N/A
LOGGED BY Dashiell Geyer **CHECKED BY** Kent Vollmer
AT END OF DRILLING --- N/A
NOTES East of B-2, near I-215
AFTER DRILLING --- N/A

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
1	B-3-1		0.0		(SM) SILTY SAND, strong brown (7.5YR, 5/6), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2	B-3-2.5		4.2		(SM) SILTY SAND, brown (7.5YR, 4/3), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2.5						
3						
4						
5	B-3-5		6.8		(SC) CLAYEY SAND, dark brown (7.5YR, 3/3), very fine to medium, dry to moist, medium dense, trace silt.	
5.0						

Bottom of borehole at 5.0 feet.

BORING NUMBER B-4

AEI Consultants

Environmental & Engineering Services

CLIENT JPN Corporation, INC
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 363593
PROJECT LOCATION NW corner of Holland Rd. and I-215, Menifee, CA
DATE STARTED 7/11/17 **COMPLETED** 7/11/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR AEI
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING --- N/A
LOGGED BY Dashiell Geyer **CHECKED BY** Kent Vollmer
AT END OF DRILLING --- N/A
NOTES North of B-1
AFTER DRILLING --- N/A

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
1	B-4-1		0.0		(SM) SILTY SAND, strong brown (7.5YR, 5/6), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2						
2	B-4-2.5		1.2		(SM) SILTY SAND, brown (7.5YR, 4/3), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2.5						
3						
4						
4	B-4-5		5.6		(SC) CLAYEY SAND, dark brown (7.5YR, 3/3), very fine to medium, dry to moist, medium dense, trace silt.	
5						
5.0						

Bottom of borehole at 5.0 feet.

BORING NUMBER B-5

AEI Consultants

Environmental & Engineering Services

CLIENT JPN Corporation, INC
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 363593
PROJECT LOCATION NW corner of Holland Rd. and I-215, Menifee, CA
DATE STARTED 7/11/17 **COMPLETED** 7/11/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR AEI
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING --- N/A
LOGGED BY Dashiell Geyer **CHECKED BY** Kent Vollmer
AT END OF DRILLING --- N/A
NOTES North of B-4
AFTER DRILLING --- N/A

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
1	B-5-1		0.0		(SM) SILTY SAND, strong brown (7.5YR, 5/6), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2						
2	B-5-2.5		5.6		(SM) SILTY SAND, brown (7.5YR, 4/3), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2.5						
3						
4						
4	B-5-5		2.4		(SC) CLAYEY SAND, dark brown (7.5YR, 3/3), very fine to medium, dry to moist, medium dense, trace silt.	
5						
5.0						

Bottom of borehole at 5.0 feet.

BORING NUMBER B-6

AEI Consultants

Environmental & Engineering Services

CLIENT JPN Corporation, INC
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 363593
PROJECT LOCATION NW corner of Holland Rd. and I-215, Menifee, CA
DATE STARTED 7/11/17 **COMPLETED** 7/11/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR AEI
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING --- N/A
LOGGED BY Dashiell Geyer **CHECKED BY** Kent Vollmer
AT END OF DRILLING --- N/A
NOTES East of B-4
AFTER DRILLING --- N/A

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
1	B-6-1		0.0		(SM) SILTY SAND, strong brown (7.5YR, 5/6), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2						
2	B-6-2.5		2.4		(SM) SILTY SAND, brown (7.5YR, 4/3), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2.5						
3						
4						
5	B-6-5		7.8		(SC) CLAYEY SAND, dark brown (7.5YR, 3/3), very fine to medium, dry to moist, medium dense, trace silt.	
5.0						

Bottom of borehole at 5.0 feet.

BORING NUMBER B-7

AEI Consultants

Environmental & Engineering Services

CLIENT JPN Corporation, INC
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 363593
PROJECT LOCATION NW corner of Holland Rd. and I-215, Menifee, CA
DATE STARTED 7/11/17 **COMPLETED** 7/11/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR AEI
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING --- N/A
LOGGED BY Dashiell Geyer **CHECKED BY** Kent Vollmer
AT END OF DRILLING --- N/A
NOTES East of B-6, near I-215
AFTER DRILLING --- N/A

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
1	B-7-1		0.0		(SM) SILTY SAND, strong brown (7.5YR, 5/6), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2						
	B-7-2.5		2.4		(SM) SILTY SAND, brown (7.5YR, 4/3), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
					2.5	
3						
4						
	B-7-5		9.7		(SC) CLAYEY SAND, dark brown (7.5YR, 3/3), very fine to medium, dry to moist, medium dense, trace silt.	
5					5.0	

Bottom of borehole at 5.0 feet.

BORING NUMBER B-8

AEI Consultants

Environmental & Engineering Services

CLIENT JPN Corporation, INC
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 363593
PROJECT LOCATION NW corner of Holland Rd. and I-215, Menifee, CA
DATE STARTED 7/11/17 **COMPLETED** 7/11/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR AEI
GROUND WATER LEVELS:
DRILLING METHOD Hand Auger
AT TIME OF DRILLING --- N/A
LOGGED BY Dashiell Geyer **CHECKED BY** Kent Vollmer
AT END OF DRILLING --- N/A
NOTES North of B-6, east of B-5
AFTER DRILLING --- N/A

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
1	B-8-1		0.0		(SM) SILTY SAND, strong brown (7.5YR, 5/6), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2						
	B-8-2.5		0.0		(SM) SILTY SAND, brown (7.5YR, 4/3), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
					2.5	
3						
4						
	B-8-5		4.9		(SC) CLAYEY SAND, dark brown (7.5YR, 3/3), very fine to medium, dry to moist, medium dense, trace silt.	
5					5.0	

Bottom of borehole at 5.0 feet.

BORING NUMBER B-9

AEI Consultants

Environmental & Engineering Services

CLIENT JPN Corporation, INC
PROJECT NAME Limited Phase II Subsurface Investigation
PROJECT NUMBER 363593
PROJECT LOCATION NW corner of Holland Rd. and I-215, Menifee, CA
DATE STARTED 7/11/17 **COMPLETED** 7/11/17
GROUND ELEVATION _____ **HOLE SIZE** 2.25 inches
DRILLING CONTRACTOR AEI **DRILLING**
GROUND WATER LEVELS:
METHOD Hand Auger **LOGGED BY** Dashiell
AT TIME OF DRILLING --- N/A
Geyer **CHECKED BY** Kent Vollmer
AT END OF DRILLING --- N/A
NOTES North of B-7, east of B-8, near I-215
AFTER DRILLING --- N/A

DEPTH (ft)	SAMPLE TYPE NUMBER	BLOW COUNTS	PID DATA (ppm)	GRAPHIC LOG	MATERIAL DESCRIPTION	COMPLETION
0						
1	B-9-1		0.0		(SM) SILTY SAND, strong brown (7.5YR, 5/6), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2						
2	B-9-2.5		0.0		(SM) SILTY SAND, brown (7.5YR, 4/3), very fine to medium, dry, loose to medium dense, trace clay, trace subrounded gravel.	
2.5						
3						
4						
5	B-9-5		1.3		(SC) CLAYEY SAND, dark brown (7.5YR, 3/3), very fine to medium, dry to moist, medium dense, trace silt.	
5.0						

Bottom of borehole at 5.0 feet.

APPENDIX B

Laboratory Analytical Reports

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WORK ORDER NUMBER: 17-07-0495

The difference is service

AIR | SOIL | WATER | MARINE CHEMISTRY

Analytical Report For

Client: AEI Consultants

Client Project Name: 363593

Attention: Dashiell Geyer
2207 West 190th Street
Torrance, CA 90504-6001

Approved for release on 07/24/2017 by:
Lori Thompson
Project Manager

ResultLink

Email your PM

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Contents

Client Project Name: 363593
Work Order Number: 17-07-0495

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Work Order Narrative

Work Order: 17-07-0495 Page 1 of 1

Condition Upon Receipt:

Samples were received under Chain-of-Custody (COC) on 07/11/17. They were assigned to Work Order 17-07-0495.

Unless otherwise noted on the Sample Receiving forms all samples were received in good condition and within the recommended EPA temperature criteria for the methods noted on the COC. The COC and Sample Receiving Documents are integral elements of the analytical report and are presented at the back of the report.

Holding Times:

All samples were analyzed within prescribed holding times (HT) and/or in accordance with the Calscience Sample Acceptance Policy unless otherwise noted in the analytical report and/or comprehensive case narrative, if required.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

Quality Control:

All quality control parameters (QC) were within established control limits except where noted in the QC summary forms or described further within this report.

Subcontractor Information:

Unless otherwise noted below (or on the subcontract form), no samples were subcontracted.

Additional Comments:

Air - Sorbent-extracted air methods (EPA TO-4A, EPA TO-10, EPA TO-13A, EPA TO-17): Analytical results are converted from mass/sample basis to mass/volume basis using client-supplied air volumes.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are always reported on a wet weight basis.

Return to Contents

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Sample Summary

Client:	AEI Consultants	Work Order:	17-07-0495
	2207 West 190th Street	Project Name:	363593
	Torrance, CA 90504-6001	PO Number:	
		Date/Time Received:	07/11/17 14:15
		Number of Containers:	27
Attn:	Dashiell Geyer		

Sample Identification	Lab Number	Collection Date and Time	Number of Containers	Matrix
B-1-1	17-07-0495-1	07/11/17 08:00	1	Solid
B-1-2.5	17-07-0495-2	07/11/17 08:07	1	Solid
B-1-5	17-07-0495-3	07/11/17 08:12	1	Solid
B-2-1	17-07-0495-4	07/11/17 08:20	1	Solid
B-2-2.5	17-07-0495-5	07/11/17 08:23	1	Solid
B-2-5	17-07-0495-6	07/11/17 08:27	1	Solid
B-3-1	17-07-0495-7	07/11/17 08:34	1	Solid
B-3-2.5	17-07-0495-8	07/11/17 08:38	1	Solid
B-3-5	17-07-0495-9	07/11/17 08:42	1	Solid
B-4-1	17-07-0495-10	07/11/17 08:56	1	Solid
B-4-2.5	17-07-0495-11	07/11/17 08:59	1	Solid
B-4-5	17-07-0495-12	07/11/17 09:06	1	Solid
B-5-1	17-07-0495-13	07/11/17 09:11	1	Solid
B-5-2.5	17-07-0495-14	07/11/17 09:16	1	Solid
B-5-5	17-07-0495-15	07/11/17 09:21	1	Solid
B-6-1	17-07-0495-16	07/11/17 09:30	1	Solid
B-6-2.5	17-07-0495-17	07/11/17 09:34	1	Solid
B-6-5	17-07-0495-18	07/11/17 09:38	1	Solid
B-7-1	17-07-0495-19	07/11/17 09:48	1	Solid
B-7-2.5	17-07-0495-20	07/11/17 09:56	1	Solid
B-7-5	17-07-0495-21	07/11/17 10:11	1	Solid
B-8-1	17-07-0495-22	07/11/17 10:24	1	Solid
B-8-2.5	17-07-0495-23	07/11/17 10:30	1	Solid
B-8-5	17-07-0495-24	07/11/17 10:33	1	Solid
B-9-1	17-07-0495-25	07/11/17 10:40	1	Solid
B-9-2.5	17-07-0495-26	07/11/17 10:46	1	Solid
B-9-5	17-07-0495-27	07/11/17 10:53	1	Solid

Return to Contents

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-1	**17-07-0495-1-A**	**07/11/17 08:00**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:45**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.781	1.04	
Arsenic	2.21	0.781	1.04	
Barium	68.5	0.521	1.04	
Beryllium	0.372	0.260	1.04	
Cadmium	ND	0.521	1.04	
Chromium	10.6	0.260	1.04	
Cobalt	7.75	0.260	1.04	
Copper	8.77	0.521	1.04	
Lead	4.09	0.521	1.04	
Molybdenum	ND	0.260	1.04	
Nickel	5.26	0.260	1.04	
Selenium	ND	0.781	1.04	
Silver	ND	0.260	1.04	
Thallium	ND	0.781	1.04	
Vanadium	50.2	0.260	1.04	
Zinc	31.4	1.04	1.04	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-1	**17-07-0495-4-A**	**07/11/17 08:20**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:46**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.758	1.01	
Arsenic	2.99	0.758	1.01	
Barium	215	0.505	1.01	
Beryllium	0.299	0.253	1.01	
Cadmium	0.680	0.505	1.01	
Chromium	114	0.253	1.01	
Cobalt	10.9	0.253	1.01	
Copper	32.4	0.505	1.01	
Lead	23.7	0.505	1.01	
Molybdenum	0.777	0.253	1.01	
Nickel	10.9	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	62.9	0.253	1.01	
Zinc	101	1.01	1.01	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-1	**17-07-0495-7-A**	**07/11/17 08:34**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:49**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.773	1.03	
Arsenic	3.05	0.773	1.03	
Barium	147	0.515	1.03	
Beryllium	0.292	0.258	1.03	
Cadmium	ND	0.515	1.03	
Chromium	21.3	0.258	1.03	
Cobalt	11.1	0.258	1.03	
Copper	19.3	0.515	1.03	
Lead	5.39	0.515	1.03	
Molybdenum	ND	0.258	1.03	
Nickel	8.23	0.258	1.03	
Selenium	ND	0.773	1.03	
Silver	ND	0.258	1.03	
Thallium	ND	0.773	1.03	
Vanadium	56.8	0.258	1.03	
Zinc	58.9	1.03	1.03	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-1	**17-07-0495-10-A**	**07/11/17 08:56**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:50**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.721	0.962	
Arsenic	4.29	0.721	0.962	
Barium	144	0.481	0.962	
Beryllium	0.334	0.240	0.962	
Cadmium	ND	0.481	0.962	
Chromium	17.7	0.240	0.962	
Cobalt	12.1	0.240	0.962	
Copper	13.7	0.481	0.962	
Lead	4.92	0.481	0.962	
Molybdenum	ND	0.240	0.962	
Nickel	7.92	0.240	0.962	
Selenium	ND	0.721	0.962	
Silver	ND	0.240	0.962	
Thallium	ND	0.721	0.962	
Vanadium	65.4	0.240	0.962	
Zinc	57.3	0.962	0.962	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: 363593

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-1	**17-07-0495-13-A**	**07/11/17 09:11**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:51**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.769	1.03	
Arsenic	3.74	0.769	1.03	
Barium	157	0.513	1.03	
Beryllium	0.438	0.256	1.03	
Cadmium	ND	0.513	1.03	
Chromium	19.6	0.256	1.03	
Cobalt	13.1	0.256	1.03	
Copper	17.0	0.513	1.03	
Lead	6.21	0.513	1.03	
Molybdenum	ND	0.256	1.03	
Nickel	8.82	0.256	1.03	
Selenium	ND	0.769	1.03	
Silver	ND	0.256	1.03	
Thallium	ND	0.769	1.03	
Vanadium	77.3	0.256	1.03	
Zinc	58.3	1.03	1.03	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-1	**17-07-0495-16-A**	**07/11/17 09:30**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:51**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.739	0.985	
Arsenic	1.91	0.739	0.985	
Barium	75.0	0.493	0.985	
Beryllium	ND	0.246	0.985	
Cadmium	ND	0.493	0.985	
Chromium	11.8	0.246	0.985	
Cobalt	8.43	0.246	0.985	
Copper	9.07	0.493	0.985	
Lead	3.88	0.493	0.985	
Molybdenum	ND	0.246	0.985	
Nickel	4.77	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	56.8	0.246	0.985	
Zinc	37.3	0.985	0.985	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-1	**17-07-0495-19-A**	**07/11/17 09:48**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:52**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.750	1.00	
Arsenic	2.61	0.750	1.00	
Barium	70.7	0.500	1.00	
Beryllium	ND	0.250	1.00	
Cadmium	ND	0.500	1.00	
Chromium	13.6	0.250	1.00	
Cobalt	12.3	0.250	1.00	
Copper	9.70	0.500	1.00	
Lead	3.52	0.500	1.00	
Molybdenum	ND	0.250	1.00	
Nickel	5.50	0.250	1.00	
Selenium	ND	0.750	1.00	
Silver	ND	0.250	1.00	
Thallium	ND	0.750	1.00	
Vanadium	65.5	0.250	1.00	
Zinc	39.4	1.00	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: 363593

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-1	**17-07-0495-22-A**	**07/11/17 10:24**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:53**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.739	0.985	
Arsenic	2.15	0.739	0.985	
Barium	73.8	0.493	0.985	
Beryllium	0.248	0.246	0.985	
Cadmium	ND	0.493	0.985	
Chromium	14.7	0.246	0.985	
Cobalt	11.0	0.246	0.985	
Copper	10.5	0.493	0.985	
Lead	3.81	0.493	0.985	
Molybdenum	ND	0.246	0.985	
Nickel	5.94	0.246	0.985	
Selenium	ND	0.739	0.985	
Silver	ND	0.246	0.985	
Thallium	ND	0.739	0.985	
Vanadium	68.7	0.246	0.985	
Zinc	41.2	0.985	0.985	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

eurofins | Calscience

Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-9-1	**17-07-0495-25-A**	**07/11/17 10:40**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:54**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.758	1.01	
Arsenic	2.62	0.758	1.01	
Barium	76.3	0.505	1.01	
Beryllium	0.297	0.253	1.01	
Cadmium	ND	0.505	1.01	
Chromium	15.1	0.253	1.01	
Cobalt	10.2	0.253	1.01	
Copper	10.6	0.505	1.01	
Lead	4.03	0.505	1.01	
Molybdenum	ND	0.253	1.01	
Nickel	6.16	0.253	1.01	
Selenium	ND	0.758	1.01	
Silver	ND	0.253	1.01	
Thallium	ND	0.758	1.01	
Vanadium	67.3	0.253	1.01	
Zinc	39.8	1.01	1.01	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3050B
Method: EPA 6010B
Units: mg/kg

Project: 363593

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**097-01-002-25081**	**N/A**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 16:58**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Antimony	ND	0.725	0.966	
Arsenic	ND	0.725	0.966	
Barium	ND	0.483	0.966	
Beryllium	ND	0.242	0.966	
Cadmium	ND	0.483	0.966	
Chromium	ND	0.242	0.966	
Cobalt	ND	0.242	0.966	
Copper	ND	0.483	0.966	
Lead	ND	0.483	0.966	
Molybdenum	ND	0.242	0.966	
Nickel	ND	0.242	0.966	
Selenium	ND	0.725	0.966	
Silver	ND	0.242	0.966	
Thallium	ND	0.725	0.966	
Vanadium	ND	0.242	0.966	
Zinc	ND	0.966	0.966	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-1	**17-07-0495-1-A**	**07/11/17 08:00**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 13:50**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-1	**17-07-0495-4-A**	**07/11/17 08:20**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 13:52**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0862	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-1	**17-07-0495-7-A**	**07/11/17 08:34**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 13:55**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0847	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-1	**17-07-0495-10-A**	**07/11/17 08:56**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 13:57**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-1	**17-07-0495-13-A**	**07/11/17 09:11**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 13:59**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0794	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-1	**17-07-0495-16-A**	**07/11/17 09:30**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 14:02**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-1	**17-07-0495-19-A**	**07/11/17 09:48**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 14:04**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-1	**17-07-0495-22-A**	**07/11/17 10:24**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 14:11**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0806	1.00	

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

Return to Contents

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 7471A Total
Method: EPA 7471A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-9-1	**17-07-0495-25-A**	**07/11/17 10:40**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 14:13**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0806	1.00	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-16-272-3139**	**N/A**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 13:17**	**170714L02**

Parameter	Result	RL	DF	Qualifiers
Mercury	ND	0.0833	1.00	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-1	**17-07-0495-1-A**	**07/11/17 08:00**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 11:46**	**170712L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	71	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-1	**17-07-0495-4-A**	**07/11/17 08:20**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 12:01**	**170712L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	105	24-168	
2,4,5,6-Tetrachloro-m-Xylene	70	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-1	**17-07-0495-7-A**	**07/11/17 08:34**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 12:16**	**170712L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	56	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-1	**17-07-0495-10-A**	**07/11/17 08:56**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 12:31**	**170712L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	100	24-168	
2,4,5,6-Tetrachloro-m-Xylene	67	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-1	**17-07-0495-13-A**	**07/11/17 09:11**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 12:46**	**170712L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	63	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-1	**17-07-0495-16-A**	**07/11/17 09:30**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 13:01**	**170712L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	95	24-168	
2,4,5,6-Tetrachloro-m-Xylene	69	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-1	**17-07-0495-19-A**	**07/11/17 09:48**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 13:16**	**170712L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	93	24-168	
2,4,5,6-Tetrachloro-m-Xylene	59	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-1	**17-07-0495-22-A**	**07/11/17 10:24**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 13:31**	**170712L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	4.9	1.00	
Alpha-BHC	ND	9.8	1.00	
Beta-BHC	ND	4.9	1.00	
Chlordane	ND	49	1.00	
4,4'-DDD	ND	4.9	1.00	
4,4'-DDE	ND	4.9	1.00	
4,4'-DDT	ND	4.9	1.00	
Delta-BHC	ND	9.8	1.00	
Dieldrin	ND	4.9	1.00	
Endosulfan I	ND	4.9	1.00	
Endosulfan II	ND	4.9	1.00	
Endosulfan Sulfate	ND	4.9	1.00	
Endrin	ND	4.9	1.00	
Endrin Aldehyde	ND	4.9	1.00	
Endrin Ketone	ND	4.9	1.00	
Gamma-BHC	ND	4.9	1.00	
Heptachlor	ND	4.9	1.00	
Heptachlor Epoxide	ND	9.8	1.00	
Methoxychlor	ND	4.9	1.00	
Toxaphene	ND	98	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	103	24-168	
2,4,5,6-Tetrachloro-m-Xylene	65	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-9-1	**17-07-0495-25-A**	**07/11/17 10:40**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 13:46**	**170712L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	9.9	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	9.9	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	9.9	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	99	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	98	24-168	
2,4,5,6-Tetrachloro-m-Xylene	64	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8081A
Units: ug/kg

Project: 363593

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-12-537-2737**	**N/A**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 11:01**	**170712L10**

Parameter	Result	RL	DF	Qualifiers
Aldrin	ND	5.0	1.00	
Alpha-BHC	ND	10	1.00	
Beta-BHC	ND	5.0	1.00	
Chlordane	ND	50	1.00	
4,4'-DDD	ND	5.0	1.00	
4,4'-DDE	ND	5.0	1.00	
4,4'-DDT	ND	5.0	1.00	
Delta-BHC	ND	10	1.00	
Dieldrin	ND	5.0	1.00	
Endosulfan I	ND	5.0	1.00	
Endosulfan II	ND	5.0	1.00	
Endosulfan Sulfate	ND	5.0	1.00	
Endrin	ND	5.0	1.00	
Endrin Aldehyde	ND	5.0	1.00	
Endrin Ketone	ND	5.0	1.00	
Gamma-BHC	ND	5.0	1.00	
Heptachlor	ND	5.0	1.00	
Heptachlor Epoxide	ND	10	1.00	
Methoxychlor	ND	5.0	1.00	
Toxaphene	ND	100	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Decachlorobiphenyl	88	24-168	
2,4,5,6-Tetrachloro-m-Xylene	79	25-145	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-1	**17-07-0495-1-A**	**07/11/17 08:00**	**Solid**	**GC 68**	**07/12/17**	**07/18/17 21:08**	**170712L14**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	99	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-2-1	**17-07-0495-4-A**	**07/11/17 08:20**	**Solid**	**GC 68**	**07/12/17**	**07/18/17 21:56**	**170712L14**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	1.9	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	83	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-1	**17-07-0495-7-A**	**07/11/17 08:34**	**Solid**	**GC 68**	**07/12/17**	**07/18/17 22:43**	**170712L14**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	70	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-1	**17-07-0495-10-A**	**07/11/17 08:56**	**Solid**	**GC 68**	**07/12/17**	**07/18/17 23:31**	**170712L14**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.48	1.00	
Azinphos Methyl	ND	0.48	1.00	
Bolstar	ND	0.48	1.00	
Chlorpyrifos	ND	0.48	1.00	
Coumaphos	ND	0.48	1.00	
Diazinon	ND	0.48	1.00	
Dichlorvos	ND	0.48	1.00	
Disulfoton	ND	0.48	1.00	
Ethoprop	ND	0.48	1.00	
Fensulfothion	ND	0.48	1.00	
Fenthion	ND	0.48	1.00	
Merphos	ND	0.48	1.00	
Methyl Parathion	ND	0.48	1.00	
Mevinphos	ND	0.48	1.00	
Naled	ND	3.8	1.00	
Phorate	ND	0.48	1.00	
Ronnel	ND	0.48	1.00	
Stirophos	ND	1.9	1.00	
Tokuthion	ND	0.48	1.00	
Trichloronate	ND	0.48	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	83	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-1	**17-07-0495-13-A**	**07/11/17 09:11**	**Solid**	**GC 68**	**07/12/17**	**07/19/17 00:19**	**170712L14**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	64	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-1	**17-07-0495-16-A**	**07/11/17 09:30**	**Solid**	**GC 68**	**07/12/17**	**07/19/17 01:07**	**170712L14**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	1.9	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	58	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-1	**17-07-0495-19-A**	**07/11/17 09:48**	**Solid**	**GC 68**	**07/12/17**	**07/19/17 01:55**	**170712L14**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.48	1.00	
Azinphos Methyl	ND	0.48	1.00	
Bolstar	ND	0.48	1.00	
Chlorpyrifos	ND	0.48	1.00	
Coumaphos	ND	0.48	1.00	
Diazinon	ND	0.48	1.00	
Dichlorvos	ND	0.48	1.00	
Disulfoton	ND	0.48	1.00	
Ethoprop	ND	0.48	1.00	
Fensulfothion	ND	0.48	1.00	
Fenthion	ND	0.48	1.00	
Merphos	ND	0.48	1.00	
Methyl Parathion	ND	0.48	1.00	
Mevinphos	ND	0.48	1.00	
Naled	ND	3.8	1.00	
Phorate	ND	0.48	1.00	
Ronnel	ND	0.48	1.00	
Stirophos	ND	1.9	1.00	
Tokuthion	ND	0.48	1.00	
Trichloronate	ND	0.48	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	73	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-1	**17-07-0495-22-A**	**07/11/17 10:24**	**Solid**	**GC 68**	**07/12/17**	**07/19/17 02:43**	**170712L14**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	80	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-9-1	**17-07-0495-25-A**	**07/11/17 10:40**	**Solid**	**GC 68**	**07/12/17**	**07/19/17 03:31**	**170712L14**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.49	1.00	
Azinphos Methyl	ND	0.49	1.00	
Bolstar	ND	0.49	1.00	
Chlorpyrifos	ND	0.49	1.00	
Coumaphos	ND	0.49	1.00	
Diazinon	ND	0.49	1.00	
Dichlorvos	ND	0.49	1.00	
Disulfoton	ND	0.49	1.00	
Ethoprop	ND	0.49	1.00	
Fensulfothion	ND	0.49	1.00	
Fenthion	ND	0.49	1.00	
Merphos	ND	0.49	1.00	
Methyl Parathion	ND	0.49	1.00	
Mevinphos	ND	0.49	1.00	
Naled	ND	3.9	1.00	
Phorate	ND	0.49	1.00	
Ronnel	ND	0.49	1.00	
Stirophos	ND	1.9	1.00	
Tokuthion	ND	0.49	1.00	
Trichloronate	ND	0.49	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	95	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A
Units: mg/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**099-15-973-343**	**N/A**	**Solid**	**GC 68**	**07/12/17**	**07/18/17 17:57**	**170712L14**

Parameter	Result	RL	DF	Qualifiers
Demeton-o/s	ND	0.50	1.00	
Azinphos Methyl	ND	0.50	1.00	
Bolstar	ND	0.50	1.00	
Chlorpyrifos	ND	0.50	1.00	
Coumaphos	ND	0.50	1.00	
Diazinon	ND	0.50	1.00	
Dichlorvos	ND	0.50	1.00	
Disulfoton	ND	0.50	1.00	
Ethoprop	ND	0.50	1.00	
Fensulfothion	ND	0.50	1.00	
Fenthion	ND	0.50	1.00	
Merphos	ND	0.50	1.00	
Methyl Parathion	ND	0.50	1.00	
Mevinphos	ND	0.50	1.00	
Naled	ND	4.0	1.00	
Phorate	ND	0.50	1.00	
Ronnel	ND	0.50	1.00	
Stirophos	ND	2.0	1.00	
Tokuthion	ND	0.50	1.00	
Trichloronate	ND	0.50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
Tributylphosphate	100	30-130	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-1-1	**17-07-0495-1-A**	**07/11/17 08:00**	**Solid**	**GC 63**	**07/11/17**	**07/13/17 16:10**	**170711L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	9.9	1.00	
MCPP	ND	9900	1.00	
MCPA	ND	9900	1.00	
Dichlorprop	ND	99	1.00	
2,4-D	ND	99	1.00	
2,4,5-TP (Silvex)	ND	9.9	1.00	
2,4,5-T	ND	9.9	1.00	
2,4-DB	ND	99	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	93	44-146	

B-2-1	**17-07-0495-4-A**	**07/11/17 08:20**	**Solid**	**GC 63**	**07/11/17**	**07/13/17 16:32**	**170711L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	87	44-146	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-3-1	**17-07-0495-7-A**	**07/11/17 08:34**	**Solid**	**GC 63**	**07/11/17**	**07/13/17 16:53**	**170711L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	84	44-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-4-1	**17-07-0495-10-A**	**07/11/17 08:56**	**Solid**	**GC 63**	**07/11/17**	**07/13/17 17:15**	**170711L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	130	44-146	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-5-1	**17-07-0495-13-A**	**07/11/17 09:11**	**Solid**	**GC 63**	**07/11/17**	**07/13/17 17:37**	**170711L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	61	44-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-6-1	**17-07-0495-16-A**	**07/11/17 09:30**	**Solid**	**GC 63**	**07/11/17**	**07/13/17 17:58**	**170711L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	55	44-146	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-7-1	**17-07-0495-19-A**	**07/11/17 09:48**	**Solid**	**GC 63**	**07/11/17**	**07/13/17 18:20**	**170711L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	63	44-146	

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-8-1	**17-07-0495-22-A**	**07/11/17 10:24**	**Solid**	**GC 63**	**07/11/17**	**07/13/17 18:42**	**170711L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	114	44-146	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Analytical Report

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 8151A
Method: EPA 8151A
Units: ug/kg

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
B-9-1	**17-07-0495-25-A**	**07/11/17 10:40**	**Solid**	**GC 63**	**07/11/17**	**07/13/17 19:04**	**170711L15**

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	54	44-146	

Method Blank	095-01-033-1484	N/A	Solid	GC 63	07/11/17	07/12/17 17:03	170711L15

Parameter	Result	RL	DF	Qualifiers
Dalapon	ND	250	1.00	
Dicamba	ND	10	1.00	
MCPP	ND	10000	1.00	
MCPA	ND	10000	1.00	
Dichlorprop	ND	100	1.00	
2,4-D	ND	100	1.00	
2,4,5-TP (Silvex)	ND	10	1.00	
2,4,5-T	ND	10	1.00	
2,4-DB	ND	100	1.00	
Dinoseb	ND	50	1.00	

Surrogate	Rec. (%)	Control Limits	Qualifiers
2,4-Dichlorophenylacetic acid	79	44-146	

Return to Contents

RL: Reporting Limit. DF: Dilution Factor. MDL: Method Detection Limit.

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Quality Control - Spike/Spike Duplicate

AEI Consultants		Date Received:	07/11/17
2207 West 190th Street		Work Order:	17-07-0495
Torrance, CA 90504-6001		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: 363593			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-07-0478-2	**Sample**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:40**	**170714S02**
17-07-0478-2	**Matrix Spike**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:40**	**170714S02**
17-07-0478-2	**Matrix Spike Duplicate**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 17:41**	**170714S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Antimony	ND	25.00	3.633	15	4.159	17	50-115	13	0-20	3
Arsenic	5.866	25.00	31.23	101	31.03	101	75-125	1	0-20	
Barium	125.0	25.00	156.5	4X	148.0	4X	75-125	4X	0-20	Q
Beryllium	0.7531	25.00	27.95	109	26.79	104	75-125	4	0-20	
Cadmium	0.7396	25.00	27.24	106	26.34	102	75-125	3	0-20	
Chromium	25.43	25.00	55.56	120	51.42	104	75-125	8	0-20	
Cobalt	14.00	25.00	41.78	111	39.32	101	75-125	6	0-20	
Copper	29.73	25.00	59.82	120	54.64	100	75-125	9	0-20	
Lead	9.373	25.00	37.15	111	34.75	102	75-125	7	0-20	
Molybdenum	1.281	25.00	26.39	100	25.39	96	75-125	4	0-20	
Nickel	17.83	25.00	45.28	110	42.43	98	75-125	7	0-20	
Selenium	ND	25.00	25.75	103	24.01	96	75-125	7	0-20	
Silver	ND	12.50	13.68	109	13.21	106	75-125	4	0-20	
Thallium	ND	25.00	15.45	62	16.95	68	75-125	9	0-20	3
Vanadium	55.41	25.00	92.15	147	84.01	114	75-125	9	0-20	3
Zinc	75.49	25.00	110.8	141	100.4	100	75-125	10	0-20	3

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

AEI Consultants		Date Received:	07/11/17
2207 West 190th Street		Work Order:	17-07-0495
Torrance, CA 90504-6001		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: 363593			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-07-0398-1	**Sample**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 13:23**	**170714S02**
17-07-0398-1	**Matrix Spike**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 13:25**	**170714S02**
17-07-0398-1	**Matrix Spike Duplicate**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 13:28**	**170714S02**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Mercury	ND	0.8350	0.9343	112	0.9340	112	71-137	0	0-14	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

AEI Consultants		Date Received:	07/11/17
2207 West 190th Street		Work Order:	17-07-0495
Torrance, CA 90504-6001		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: 363593			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-4-1	**Sample**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 12:31**	**170712S10**
B-4-1	**Matrix Spike**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 11:16**	**170712S10**
B-4-1	**Matrix Spike Duplicate**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 11:31**	**170712S10**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Aldrin	ND	25.00	19.02	76	18.26	73	50-135	4	0-25	
Alpha-BHC	ND	25.00	18.29	73	18.46	74	50-135	1	0-25	
Beta-BHC	ND	25.00	21.80	87	19.93	80	50-135	9	0-25	
4,4'-DDD	ND	25.00	24.97	100	22.81	91	50-135	9	0-25	
4,4'-DDE	ND	25.00	24.66	99	22.12	88	50-135	11	0-25	
4,4'-DDT	ND	25.00	27.58	110	25.33	101	50-135	8	0-25	
Delta-BHC	ND	25.00	22.69	91	20.81	83	50-135	9	0-25	
Dieldrin	ND	25.00	23.71	95	21.33	85	50-135	11	0-25	
Endosulfan I	ND	25.00	23.04	92	20.82	83	50-135	10	0-25	
Endosulfan II	ND	25.00	24.98	100	22.77	91	50-135	9	0-25	
Endosulfan Sulfate	ND	25.00	25.18	101	23.17	93	50-135	8	0-25	
Endrin	ND	25.00	22.68	91	20.90	84	50-135	8	0-25	
Endrin Aldehyde	ND	25.00	21.29	85	18.36	73	50-135	15	0-25	
Gamma-BHC	ND	25.00	19.68	79	19.10	76	50-135	3	0-25	
Heptachlor	ND	25.00	19.57	78	19.28	77	50-135	2	0-25	
Heptachlor Epoxide	ND	25.00	21.09	84	19.46	78	50-135	8	0-25	
Methoxychlor	ND	25.00	26.57	106	24.42	98	50-135	8	0-25	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

AEI Consultants
2207 West 190th Street
Torrance, CA 90504-6001

Project: 363593

Date Received: 07/11/17
Work Order: 17-07-0495
Preparation: EPA 3545
Method: EPA 8141A

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
B-3-1	**Sample**	**Solid**	**GC 68**	**07/12/17**	**07/18/17 22:43**	**170712S14**
B-3-1	**Matrix Spike**	**Solid**	**GC 68**	**07/12/17**	**07/18/17 15:33**	**170712S14**
B-3-1	**Matrix Spike Duplicate**	**Solid**	**GC 68**	**07/12/17**	**07/18/17 16:21**	**170712S14**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
Azinphos Methyl	ND	4.000	5.079	127	4.951	124	30-130	3	0-30	
Bolstar	ND	4.000	5.018	125	4.912	123	30-130	2	0-30	
Chlorpyrifos	ND	4.000	4.296	107	4.249	106	30-130	1	0-30	
Coumaphos	ND	4.000	4.930	123	4.813	120	30-130	2	0-30	
Diazinon	ND	4.000	4.089	102	4.019	100	30-130	2	0-30	
Disulfoton	ND	4.000	4.565	114	4.497	112	30-130	2	0-30	
Ethoprop	ND	4.000	4.205	105	4.112	103	30-130	2	0-30	
Fensulfothion	ND	4.000	4.125	103	4.025	101	30-130	2	0-30	
Fenthion	ND	4.000	4.769	119	4.707	118	30-130	1	0-30	
Merphos	ND	4.000	4.742	119	4.674	117	30-130	1	0-30	
Methyl Parathion	ND	4.000	4.756	119	4.703	118	30-130	1	0-30	
Phorate	ND	4.000	5.244	131	5.173	129	30-130	1	0-30	3
Ronnel	ND	4.000	4.003	100	3.975	99	30-130	1	0-30	
Stirophos	ND	4.000	3.990	100	3.961	99	30-130	1	0-30	
Tokuthion	ND	4.000	4.528	113	4.475	112	30-130	1	0-30	
Trichloronate	ND	4.000	4.354	109	4.337	108	30-130	0	0-30	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - Spike/Spike Duplicate

AEI Consultants		Date Received:	07/11/17
2207 West 190th Street		Work Order:	17-07-0495
Torrance, CA 90504-6001		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: 363593			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
17-07-0171-9	**Sample**	**Solid**	**GC 63**	**07/11/17**	**07/12/17 18:30**	**170711S15**
17-07-0171-9	**Matrix Spike**	**Solid**	**GC 63**	**07/11/17**	**07/12/17 17:25**	**170711S15**
17-07-0171-9	**Matrix Spike Duplicate**	**Solid**	**GC 63**	**07/11/17**	**07/12/17 17:47**	**170711S15**

Parameter	Sample Conc.	Spike Added	MS Conc.	MS %Rec.	MSD Conc.	MSD %Rec.	%Rec. CL	RPD	RPD CL	Qualifiers
2,4-D	ND	400.0	415.1	104	423.0	106	32-146	2	0-37	
2,4,5-T	ND	40.00	40.32	101	42.20	106	27-147	5	0-37	
2,4-DB	ND	400.0	469.2	117	470.1	118	31-151	0	0-42	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

AEI Consultants		Date Received:	07/11/17
2207 West 190th Street		Work Order:	17-07-0495
Torrance, CA 90504-6001		Preparation:	EPA 3050B
		Method:	EPA 6010B
Project: 363593			Page 1 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
097-01-002-25081	**LCS**	**Solid**	**ICP 7300**	**07/14/17**	**07/14/17 16:59**	**170714L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Antimony	25.00	21.68	87	80-120	73-127	
Arsenic	25.00	21.53	86	80-120	73-127	
Barium	25.00	24.74	99	80-120	73-127	
Beryllium	25.00	21.67	87	80-120	73-127	
Cadmium	25.00	23.97	96	80-120	73-127	
Chromium	25.00	23.78	95	80-120	73-127	
Cobalt	25.00	24.37	97	80-120	73-127	
Copper	25.00	23.67	95	80-120	73-127	
Lead	25.00	23.99	96	80-120	73-127	
Molybdenum	25.00	22.22	89	80-120	73-127	
Nickel	25.00	23.72	95	80-120	73-127	
Selenium	25.00	21.22	85	80-120	73-127	
Silver	12.50	11.75	94	80-120	73-127	
Thallium	25.00	22.72	91	80-120	73-127	
Vanadium	25.00	22.78	91	80-120	73-127	
Zinc	25.00	24.07	96	80-120	73-127	

Total number of LCS compounds: 16
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

AEI Consultants		Date Received:	07/11/17
2207 West 190th Street		Work Order:	17-07-0495
Torrance, CA 90504-6001		Preparation:	EPA 7471A Total
		Method:	EPA 7471A
Project: 363593			Page 2 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-16-272-3139	**LCS**	**Solid**	**Mercury 08**	**07/14/17**	**07/14/17 16:44**	**170714L02**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
Mercury	0.8350	0.7322	88	85-121	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

AEI Consultants		Date Received:	07/11/17
2207 West 190th Street		Work Order:	17-07-0495
Torrance, CA 90504-6001		Preparation:	EPA 3545
		Method:	EPA 8081A
Project: 363593			Page 3 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-12-537-2737	**LCS**	**Solid**	**GC 41**	**07/12/17**	**07/13/17 10:46**	**170712L10**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Aldrin	25.00	21.62	86	50-135	36-149	
Alpha-BHC	25.00	21.71	87	50-135	36-149	
Beta-BHC	25.00	21.01	84	50-135	36-149	
4,4'-DDD	25.00	23.08	92	50-135	36-149	
4,4'-DDE	25.00	23.02	92	50-135	36-149	
4,4'-DDT	25.00	25.94	104	50-135	36-149	
Delta-BHC	25.00	22.27	89	50-135	36-149	
Dieldrin	25.00	23.35	93	50-135	36-149	
Endosulfan I	25.00	23.40	94	50-135	36-149	
Endosulfan II	25.00	23.94	96	50-135	36-149	
Endosulfan Sulfate	25.00	24.15	97	50-135	36-149	
Endrin	25.00	17.87	71	50-135	36-149	
Endrin Aldehyde	25.00	26.66	107	50-135	36-149	
Gamma-BHC	25.00	22.10	88	50-135	36-149	
Heptachlor	25.00	22.77	91	50-135	36-149	
Heptachlor Epoxide	25.00	22.22	89	50-135	36-149	
Methoxychlor	25.00	23.84	95	50-135	36-149	

Total number of LCS compounds: 17
Total number of ME compounds: 0
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

AEI Consultants		Date Received:	07/11/17
2207 West 190th Street		Work Order:	17-07-0495
Torrance, CA 90504-6001		Preparation:	EPA 3545
		Method:	EPA 8141A
Project: 363593			Page 4 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
099-15-973-343	**LCS**	**Solid**	**GC 68**	**07/12/17**	**07/18/17 09:59**	**170712L14**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	ME CL	Qualifiers
Azinphos Methyl	4.000	4.676	117	30-130	13-147	
Bolstar	4.000	4.610	115	30-130	13-147	
Chlorpyrifos	4.000	4.385	110	30-130	13-147	
Coumaphos	4.000	4.508	113	30-130	13-147	
Diazinon	4.000	4.826	121	30-130	13-147	
Disulfoton	4.000	4.812	120	30-130	13-147	
Ethoprop	4.000	4.894	122	30-130	13-147	
Fensulfothion	4.000	4.882	122	30-130	13-147	
Fenthion	4.000	4.686	117	30-130	13-147	
Merphos	4.000	4.487	112	30-130	13-147	
Methyl Parathion	4.000	4.847	121	30-130	13-147	
Phorate	4.000	5.590	140	30-130	13-147	ME
Ronnel	4.000	4.133	103	30-130	13-147	
Stirophos	4.000	3.946	99	30-130	13-147	
Tokuthion	4.000	4.287	107	30-130	13-147	
Trichloronate	4.000	4.435	111	30-130	13-147	

Total number of LCS compounds: 16
Total number of ME compounds: 1
Total number of ME compounds allowed: 1
LCS ME CL validation result: Pass

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Quality Control - LCS

AEI Consultants		Date Received:	07/11/17
2207 West 190th Street		Work Order:	17-07-0495
Torrance, CA 90504-6001		Preparation:	EPA 8151A
		Method:	EPA 8151A
Project: 363593			Page 5 of 5

Quality Control Sample ID	Type	Matrix	Instrument	Date Prepared	Date Analyzed	LCS Batch Number
095-01-033-1484	**LCS**	**Solid**	**GC 63**	**07/11/17**	**07/12/17 16:41**	**170711L15**

Parameter	Spike Added	Conc. Recovered	LCS %Rec.	%Rec. CL	Qualifiers
2,4-D	400.0	430.1	108	49-127	
2,4,5-T	40.00	42.40	106	31-145	
2,4-DB	400.0	463.0	116	48-132	

Return to Contents

RPD: Relative Percent Difference. CL: Control Limits

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Sample Analysis Summary Report

Work Order: 17-07-0495 Page 1 of 1

Method	Extraction	Chemist ID	Instrument	Analytical Location
EPA 6010B	EPA 3050B	935	ICP 7300	1
EPA 7471A	EPA 7471A Total	868	Mercury 08	1
EPA 8081A	EPA 3545	669	GC 41	1
EPA 8141A	EPA 3545	669	GC 68	1
EPA 8151A	EPA 8151A	944	GC 63	3

Return to Contents

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Glossary of Terms and Qualifiers

Work Order: 17-07-0495 Page 1 of 1

Qualifiers	Definition
*	See applicable analysis comment.
<	Less than the indicated value.
>	Greater than the indicated value.
1	Surrogate compound recovery was out of control due to a required sample dilution. Therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to suspected matrix interference. The associated LCS recovery was in control.
4	The MS/MSD RPD was out of control due to suspected matrix interference.
5	The PDS/PDSD or PES/PESD associated with this batch of samples was out of control due to suspected matrix interference.
6	Surrogate recovery below the acceptance limit.
7	Surrogate recovery above the acceptance limit.
B	Analyte was present in the associated method blank.
BU	Sample analyzed after holding time expired.
BV	Sample received after holding time expired.
CI	See case narrative.
E	Concentration exceeds the calibration range.
ET	Sample was extracted past end of recommended max. holding time.
HD	The chromatographic pattern was inconsistent with the profile of the reference fuel standard.
HDH	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but heavier hydrocarbons were also present (or detected).
HDL	The sample chromatographic pattern for TPH matches the chromatographic pattern of the specified standard but lighter hydrocarbons were also present (or detected).
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
JA	Analyte positively identified but quantitation is an estimate.
ME	LCS Recovery Percentage is within Marginal Exceedance (ME) Control Limit range (+/- 4 SD from the mean).
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
SG	The sample extract was subjected to Silica Gel treatment prior to analysis.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture. All QC results are reported on a wet weight basis.

Any parameter identified in 40CFR Part 136.3 Table II that is designated as "analyze immediately" with a holding time of <= 15 minutes (40CFR-136.3 Table II, footnote 4), is considered a "field" test and the reported results will be qualified as being received outside of the stated holding time unless received at the laboratory within 15 minutes of the collection time.

A calculated total result (Example: Total Pesticides) is the summation of each component concentration and/or, if "J" flags are reported, estimated concentration. Component concentrations showing not detected (ND) are summed into the calculated total result as zero concentrations.

Return to Contents

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: **17-07-0495**

DATE: July 11, 2017

PAGE: 1 OF 3

LABORATORY CLIENT: AEI

ADDRESS: 2207 W 190th Street

CITY: Torrance STATE: CA ZIP: 90504

TEL: 310-798-4255 E-MAIL: dgeyer@aeiconsultants.com

CLIENT PROJECT NAME / NUMBER: 363593

P.O. NO.:

PROJECT CONTACT: DASHIELL GEYER

SAMPLER(S): (PRINT) DASHIELL GEYER

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	☐ TPH(g) ☐ GRO	☐ TPH(d) ☐ DRO	TPH ☐ C6-C36 ☐ C6-C44	TPH ____	BTEX / MTBE ☐ 8260 ☐ ____	VOCs (8260)	Oxygenates (8260)	Prep (5035) ☐ En Core ☐ Terra Core	SVOCs (8270)	Pesticides (8081)	PCBs (8082)	PAHs ☐ 8270 ☐ 8270 SIM	T22 Metals ☒ 6010/747X ☐ 6020/747X	Cr(VI) ☐ 7196 ☐ 7199 ☐ 218.6	Herbicides 8151	Pesticides 8141A		HOLD
1	B-1-1	7/11/17	0800	SOIL	1		X											X			X		X	X		
2	B-1-2.5		0807				X																			X
3	B-1-5		0812				X																			X
4	B-2-1		0820				X											X			X		X	X		
5	B-2-2.5		0823				X																			X
6	B-2-5		0827				X																			X
7	B-3-1		0834				X											X			X		X	X		
8	B-3-2.5		0838				X																			X
9	B-3-5		0842				X																			X
10	B-4-1	↓	0856	↓	↓		X											X			X		X	X		

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
		7/11/17	1415
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/02/14 Revision

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 17-07-0495

DATE: July 11, 2017

PAGE: 2 OF 3

LABORATORY CLIENT: AEI

ADDRESS: 2207 W 190th Street

CITY: Torrance STATE: CA ZIP: 90504

TEL: 310-798-4255 E-MAIL: dgeyer@aeiconsultants.com

CLIENT PROJECT NAME / NUMBER: 363593

P.O. NO.:

PROJECT CONTACT: DASHIELL GEYER

SAMPLER(S): (PRINT) DASH GEYER

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):

☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Pesticides 6081	Pesticides 8141	T22 Metals 6010B/7471A	Herbicides 8151		HOLD											
11	B-4-2.5	7/11/17	0859	SOIL	1		X							X											
12	B-4-5		0906				X							X											
13	B-5-1		0911				X		X	X	X	X													
14	B-5-2.5		0916				X							X											
15	B-5-5		0921				X							X											
16	B-6-1		0930				X		X	X	X	X													
17	B-6-2.5		0934				X							X											
18	B-6-5		0938				X							X											
19	B-7-1		0948				X		X	X	X	X													
20	B-7-2.5		0956				X							X											

Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date:	Time: 1415
Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)		Received by: (Signature/Affiliation)	Date:	Time:

06/02/14 Revision

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CHAIN OF CUSTODY RECORD

WO # / LAB USE ONLY: 17-07-0495

DATE: July 11, 2017
PAGE: 3 OF 3

LABORATORY CLIENT: AEI
ADDRESS: 2207 W 190th Street
CITY: Torrance STATE: CA ZIP: 90504
TEL: 310-798-4255 E-MAIL: dgeyer@aeiconsultants.com

CLIENT PROJECT NAME / NUMBER: 363593
P.O. NO.:
PROJECT CONTACT: DASHIELL GEYER
SAMPLER(S): (PRINT) DASHIELL GEYER

TURNAROUND TIME (Rush surcharges may apply to any TAT not "STANDARD"):
☐ SAME DAY ☐ 24 HR ☐ 48 HR ☐ 72 HR ☐ 5 DAYS ☒ STANDARD

☐ COELT EDF GLOBAL ID: LOG CODE:

SPECIAL INSTRUCTIONS:

REQUESTED ANALYSES

Please check box or fill in blank as needed.

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	Unpreserved	Preserved	Field Filtered	Pesticides 8081	Pesticides 8141	T22 Metals 6010B/7471A	Herbicides 8151		HOLD											
21	B-7-5	7/11/17	1011	SOIL	1		X							X											
22	B-8-1		1024				X		X	X	X	X													
23	B-8-2.5		1030				X							X											
24	B-8-5		1033				X							X											
25	B-9-1		1040				X		X	X	X	X													
26	B-9-2.5		1046				X							X											
27	B-9-5	↓	1053	↓	↓		X							X											

Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature/Affiliation)	Date:	Time:

06/02/14 Revision

Return to Contents

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WORK ORDER NUMBER: 17-07-0495

SAMPLE RECEIPT CHECKLIST

COOLER 1 OF 1

CLIENT: AET

DATE: 07 / 11 / 2017

TEMPERATURE: (Criteria: 0.0°C – 6.0°C, not frozen except sediment/tissue)

Thermometer ID: SC6 (CF: +0.2°C); Temperature (w/o CF): 12.9 °C (w/ CF): 12.9 °C; ☐ Blank ☑ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____)

☑ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling

☐ Sample(s) received at ambient temperature; placed on ice for transport by courier

Ambient Temperature: ☐ Air ☐ Filter Checked by: SM6

CUSTODY SEAL:

Cooler ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: SM6

Sample(s) ☐ Present and Intact ☐ Present but Not Intact ☑ Not Present ☐ N/A Checked by: 1053

SAMPLE CONDITION:	Yes	No	N/A
Chain-of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Sampling date ☐ Sampling time ☐ Matrix ☐ Number of containers			
☐ No analysis requested ☐ Not relinquished ☐ No relinquished date ☐ No relinquished time			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and in good condition	☑	☐	☐
Proper containers for analyses requested	☑	☐	☐
Sufficient volume/mass for analyses requested	☑	☐	☐
Samples received within holding time	☑	☐	☐
Aqueous samples for certain analyses received within 15-minute holding time			
☐ pH ☐ Residual Chlorine ☐ Dissolved Sulfide ☐ Dissolved Oxygen	☐	☐	☑
Proper preservation chemical(s) noted on COC and/or sample container	☐	☐	☑
Unpreserved aqueous sample(s) received for certain analyses			
☐ Volatile Organics ☐ Total Metals ☐ Dissolved Metals			
Container(s) for certain analysis free of headspace	☐	☐	☑
☐ Volatile Organics ☐ Dissolved Gases (RSK-175) ☐ Dissolved Oxygen (SM 4500)			
☐ Carbon Dioxide (SM 4500) ☐ Ferrous Iron (SM 3500) ☐ Hydrogen Sulfide (Hach)			
Tedlar™ bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE: (Trip Blank Lot Number: _____)

Aqueous: ☐ VOA ☐ VOA**h** ☐ VOA**na$_2$** ☐ 100PJ ☐ 100PJ**na$_2$** ☐ 125AGB ☐ 125AGB**h** ☐ 125AGB**p** ☐ 125PB

☐ 125PB**znna** ☐ 250AGB ☐ 250CGB ☐ 250CGB**s** ☐ 250PB ☐ 250PB**n** ☐ 500AGB ☐ 500AGJ ☐ 500AGJ**s**

☐ 500PB ☐ 1AGB ☐ 1AGB**na$_2$** ☐ 1AGB**s** ☐ 1PB ☐ 1PB**na** ☐ _____ ☐ _____ ☐ _____ ☐ _____

Solid: ☑ 4ozCGJ ☐ 8ozCGJ ☐ 16ozCGJ ☐ Sleeve (_____) ☐ EnCores® (_____) ☐ TerraCores® (_____) ☐ _____

Air: ☐ Tedlar™ ☐ Canister ☐ Sorbent Tube ☐ PUF ☐ _____ **Other Matrix** (_____): ☐ _____ ☐ _____

Container: **A** = Amber, **B** = Bottle, **C** = Clear, **E** = Envelope, **G** = Glass, **J** = Jar, **P** = Plastic, and **Z** = Ziploc/Resealable Bag

Preservative: **b** = buffered, **f** = filtered, **h** = HCl, **n** = HNO_3, **na** = NaOH, **na$_2$** = $Na_2S_2O_3$, **p** = H_3PO_4, **s** = H_2SO_4, **u** = ultra-pure, **x** = Na_2SO_3+$NaHSO_4.H_2O$, **znna** = Zn $(CH_3CO_2)_2$ + NaOH

Labeled/Checked by: 1053

Reviewed by: SM6

Return to Contents