NURSERY GROWERS ASSOCIATION

1521 I Street
Sacramento, CA 95814
Tel: (805) 668-1876

December 15, 2020

Ms. Renee Purdy
Executive Officer
State Regional Water Quality Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Subject: Nursery Growers Association
Los Angeles County Irrigated Lands Group
Conditional Waiver for Irrigated Lands
ANNUAL MONITORING REPORT
 # R4-2016-0143 (THROUGH DECEMBER 15, 2020)

Dear Ms. Purdy:

Pacific Ridgeline prepared this *Annual Monitoring Report* on behalf of Nursery Growers Association, Los Angeles County Irrigated Lands Group (LAILG). Monitoring and reporting was conducted in accordance with the Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands (CWIL; Order # R4-2016-0143) under the Quality Assurance Project Plan and Monitoring and Reporting Plan submitted by LAILG for the previous CWIL.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for knowingly submitting false information, including the possibility of fine and imprisonment.

Respectfully submitted,

Los Angeles Irrigated Lands Group

Ariana Zamora McCray
LAILG, Director of Member Relations

PACIFIC RIDGELINE

ANNUAL MONITORING REPORT-
ORDER # R4-2016-0143
(THROUGH DECEMBER 15, 2020)

NURSERY GROWERS ASSOCIATION
LOS ANGELES COUNTY
IRRIGATED LANDS GROUP

December 15, 2020

1891 GOODYEAR AVE., SUITE #621 | VENTURA | CA 93003
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ACRONYMS

ABC	Aquatic Bioassay and Consulting Laboratories
ALB	Aquatic Life Benchmark
AMR	Annual Monitoring Report
BMP	Best Management Practice
COC	Chain of Custody
CWIL	Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Lands
EPA	United States Environmental Protection Agency
GPS	Global Positioning System
LAILG	Los Angeles Irrigated Lands Group
LARWQCB	Los Angeles Regional Water Quality Control Board
MDL	Method Detection Limit
MRP	Monitoring and Reporting Plan
NGA	Nursery Growers Association
OC	Organochlorinated Pesticides
OP	Organophosphate Pesticides
PacRL	Pacific Ridgeline
PP	Pyrethroid Pesticides
QA	Quality Assurance
QAPP	Quality Assurance Project Plan
RPD	Relative Percent Difference
TDS	Total Dissolved Solids
TIE	Toxicity Identification Evaluation
TUc	Toxicity concentration in toxicity units
WMA	Watershed Management Area
WQBs	Water Quality Benchmarks
WQMP	Water Quality Management Plan

ANNUAL MONITORING REPORT
ORDER # R4-2016-0143 (THROUGH DECEMBER 15, 2020)

NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

1.0 INTRODUCTION

The NGA is a non-profit association chartered in the late 1950s. The purpose of NGA is to foster and encourage the growth and development of quality nursery stock and to promote all matters that pertain to the best interests of the wholesale nursery growers. NGA developed the LAILG for compliance with the CWIL, which currently consists of Order #R4-2016-0143. PacRL was contracted by NGA to manage the technical aspect of the LAILG.

The LARWQCB is a State of California Agency that regulates water quality within the coastal watershed of Ventura and Los Angeles Counties under the authorities of the Federal Clean Water Act and State Porter Cologne Water Quality Control Act. The area under the jurisdiction of the LARWQCB is known as the Los Angeles Region.

Water quality impacts associated with agriculture can be primarily traced to discharges resulting from irrigation or stormwater. These discharges may contain pollutants that have been imported or introduced into the irrigation or stormwater; in addition, irrigation practices can mobilize and or concentrate some pollutants. In order to mitigate these potentially polluted discharges from impacting the beneficial uses of water bodies within the Los Angeles Region, the LARWQCB adopted a CWIL (Order No. R4-2005-0080) on November 3, 2005, as mandated by state law and policy.

On October 7, 2010, the LARWQCB adopted a second CWIL for the Los Angeles Region (Order No. R4-2010-0186). Order R4-2010-0186 was extended for six months under Order R4-2015-0202. Order R4-2016-0134, adopted on April 14, 2016, slightly revised the program and extended water quality monitoring throughout the Los Angeles Region for an additional four years.

The LAILG has members within the Dominguez Channel LA/Long Beach Harbors WMA, the Los Angeles River Watershed, the San Gabriel River Watershed, the Santa Monica Bay WMA, and the eastern portion of the Santa Clara River Watershed. All five Watersheds and WMAs have impacted waterbodies that appear on the Federal 303(d) list, and listed contaminants include constituents that could be related to agricultural uses.

Agriculture in the County of Los Angeles mostly consists of smaller parcel sizes located in urban environments, specifically under power lines. The LAILG was initially formed to assist growers of nursery stock with compliance with the CWIL, but has since expanded to include any grower in the Los Angeles Region who wishes to be part of the group. Refer to Table 1 and Table 2 for crop type and watershed information specific to the LAILG.

The objective of this AMR is to evaluate compliance with water quality benchmarks established under the CWIL and various other water quality programs, and to report findings to the LARWQCB. This AMR describes the monitoring efforts and results that have been undertaken by the NGA for compliance with the CWIL through October 15, 2020, along with presenting historical data collected throughout the life of the program. This report also includes updated data collected as part of the Water Quality Management Plan (WQMP) dated November 5, 2020.

Table 1 LAILG Watershed Distribution

Watershed	# Total Locations	Total Irrigated Acres
Dominguez Channel LA/Long Beach Harbors WMA	52	139.84
Los Angeles River Watershed	135	508.94
Santa Clara River Watershed	6	98.25
San Gabriel River Watershed	57	324.07
Santa Monica WMA	30	144.68
In Progress	3	16.59
Totals	**283**	**1232.37**

Table 2 LAILG Crop Type Distribution

Crop Type	# Total Locations	Total Irrigated Acres
Cutflower	3	5.48
Ornamental	136	618.69
Color Plants	12	40.51
Vineyard	22	98.96
Greenhouse	1	1
Orchard	3	8.02
Sod	1	16.5
Multiple	10	186.23
Row Crop	5	15.15
In Progress	90	241.83
Totals	**283**	**1232.37**

Maps of enrolled growers are presented in Figures 1 through 1.5 at the end of the report.

1.1 PROGRAM HISTORY

During the first Waiver period, LAILG collected samples from sixteen sampling locations during two sampling events each dry season and two sampling events each wet season. The program existed in this state for the entirety of the 2007 and 2008 monitoring years, and a working WQMP was submitted to the LARWQCB on July 8, 2009. The LAILG placed the program on hold at this time due to financial constraints from growers abandoning the program and a lack of enforcement by the LARWQCB.

LAILG reinstated the program briefly before the new Waiver, and one round of reduced sampling occurred in March of 2011. Following the release of the second Waiver, LAILG prepared a revised MRP and QAPP to address updated requirements. The new MRP presented a reduced sampling schedule in order to offset costs associated with the lack of growers enrolling in the Waiver program.

Water quality monitoring data collected during each Waiver period exceeded applicable Water Quality Benchmarks and necessitated the generation of a WQMP. LAILG prepared a Water Quality Management Plan, Version 1.1, dated July 26, 2013, which outlined steps LAILG would take to implement, track, and evaluate additional BMPs throughout the group. Updates to the original plan were submitted on August 21, 2015 and May 10, 2017 that outlined progress towards the original goals of the WQMP goals. The most recent WQMP, Version 2.2, was submitted on November 5, 2020.

LAILG previously operated under the basic parameters of the MRP and WQMP developed for Order R4-2010-0186, with the goal of gathering enough information to properly apply the WQMP methodology to develop a new MRP for Order R4-2016-0134. During the interim sampling period, LAILG focused sampling efforts to address locations where previous samples had been collected and WQB exceedances had been observed.

A new MRP was submitted to the LARWQCB on November 1, 2019 that outlined an updated approach to future sampling methodology within the group. LAILG has been operating under the most current MRP, although an approval letter was never officially filed by the LARWQCB.

2.0 BACKGROUND AND SAMPLING METHODOLOGY

2.1 HISTORICAL SAMPLING

Prior to this year, LAILG was operating under the basic parameters of the MRP and WQMP developed for Order R4-2010-0186, with the goal of gathering enough information to properly apply the WQMP methodology to develop a new MRP for Order R4-2016-0134. Sampling sites that were chosen for this interim period are presented on Table 3. A running log of all locations sampled since the inception of the program, along with sampling dates and site status is included in Appendix B. Maps presenting currently enrolled members are presented as Figures 1.0-1.5.

Table 3 – Historical Sampling Locations

NAME	SITE #	APPROXIMATE GPS LOCATION	ADDRESS	ACRES IRRIGATED	CROP TYPE
ABC Nursery, Inc.	4	N 33° 52' 55.7" W 118° 16' 06.0"	424 E. Gardena Boulevard Gardena, CA	11.51	General Ornamentals
Boething Treeland Farms, Inc.	19	N 34° 09' 51.1" W 118° 38' 20.7"	23475 Long Valley Road Woodsland Hills, CA	14.68	General Ornamentals
H&H Nursery *	64	N 33° 52' 07.1" W 118° 08' 32.4"	6220 Lakewood Boulevard Lakewood, CA	2.50	Retail / Multiple
Norman's Nursery	125	N 34° 05' 42.3" W 118° 04' 53.5"	8550 E Broadway San Gabriel, CA	7.00	General Ornamentals
~~Colorama Wholesale Nursery~~	~~150~~	~~N 34° 08' 27.5" W 117° 55' 35.9"~~	~~1025 N. Todd Ave. Asuza, CA~~	~~15.30~~	~~Color Plants~~
Sakaida Nursery, Inc.	158	N 34° 06' 49.0" W 118° 04' 54.8"	8538-8601 Longden Ave San Gabriel, CA	6.89	General Ornamentals
SY Nursery Inc.	168	N 33° 50' 59.2" W 118° 04' 36.0"	19900 S Pioneer Blvd Cerritos, CA	4.75	General Ornamentals
T-Y Nursery	176	N 33° 51' 18.7" W 118° 23' 10.9"	Between Flagler/Paulina Redondo Beach, CA	7.50	General Ornamentals
Ultra Greens Nursery	178	N 34° 17' 57.4" W 118° 25' 06.5"	13102 Maclay Street Sylmar, CA	8.50	General Ornamentals
Valley Sod Farms, Inc.	184	N 34° 13' 23.1" W 118° 29' 34.5"	16405 Chase Street North Hills, CA	36.00	Sod
El Nativo Growers	202	N 34° 06' 38.2" W 117° 56' 26.4"	200 S. Peckham Azusa, CA	7.00	General Ornamentals

* H&H added for interim sampling at during 4th Quarter of 2017, as Site #150 was no longer in operation.

2.2 CURRENT SAMPLING APPROACH

As of December 2020, the LAILG is comprised of 283 locations, 208 individual growers, and an estimated 1,232 irrigated acres. A complete list of current group members enrolled in LAILG is included in Appendix A, and a discussion of current enrollment and group status is discussed in Section 7.0.

As outlined in the MRP submitted on November 1, 2019, LAILG separates members into various groups based on their operational practices and land use patterns based on responses to a General Questionnaire submitted to each member. Members are broken into five groups: Large, Medium, Small, Micro, and non-responsive/unknown. Due to logistical issues with stormwater sampling in the Los Angeles Region during storm events, the entire group was divided into North and South Regions for sampling purposes. Table 4 presents the current grouping status for the LAILG.

Table 4 – Grouping Status

Grouping	# Total Locations	Total Irrigated Acres	# North Group	North Group Irrigated Acres	# South Group	South Group Irrigated Acres
Large	51	436.93	26	315.34	25	121.59
Medium	48	282.3	32	186.94	16	95.36
Small	75	242.16	30	84.11	45	158.05
Micro	30	47.2	14	21.03	16	26.17
Unknown	79	223.78	36	105.04	43	118.74
Reported	204	1008.59	102	607.42	102	401.17
Total	283	1232.37	138	712.46	145	519.91

LAILG then randomizes sampling sites in each region for each sampling event, including randomization of members in each grouping in the region. Samples will be collected from one random member in each group during each sampling event, plus an additional follow up sample from a member that previously reported a WQB exceedance in historical sampling events in the region. A total of five sites will be visited each sampling event, once during the dry season and once during the wet season of each year.

Randomization for sampling sites is conducted with random.org, by randomizing each grouping within each region for each sampling event. Records of the randomization will be kept on file. The top location in each group will be selected as the sampling site, and the second location in each group will be selected as the alternate site. The follow up sampling for a location that previously reported a WQB exceedance will be hand selected by LAILG. Once a site has been randomly chosen for sampling, it will be removed from the randomization list. If WQB exceedances are reported at a location, it will be added to the list for follow up sampling.

An alternate site is included in the randomization since many of the current locations have never been visited by LAILG personnel. It is anticipated that some chosen random locations may never have sufficient runoff during rain events for sampling, due to topography or operational practices. If a site is visited during a wet season sampling event and it is apparent that there will not be sufficient runoff for sampling during the time of the visit, the alternate location will be visited and site conditions will be noted if there is sufficient time in the day. Included in the notes will be observations on what size storm might be required in order to produce runoff at the location.

3.0 SAMPLING EVENTS

During the wet season of this reporting period, which lasted from October 15, 2019 through May 14, 2020, the primary randomized sampling sites listed in Table 5 were visited on March 10, 2020. Secondary sites were not visited as the storm produced less rain than projected and continued runoff was not observed in the region. None of the sites visited had sufficient runoff to conduct sampling.

Table 5 – 2019-2020 Wet Season Sampling Sites

NGA #	GROUP	OWNER/ TENANT	PARCEL		CROP	ACREAGE	
			ADDRESS	CITY	TYPE	TOTAL	IRRIGATED
PRIMARY							
143	Large	Green Landscape Nursery	22216 1/2 Placerita Canyon Rd	Santa Clarita	GO	4.00	3.75
386	Medium	New View Landscape, Inc./Green View Nursery	West of Lindley between San Jose and Devonshire	Northridge	GO	5.10	5.10
503	Small	Champa Nursery	4254 Tyler Ave.	El Monte	GO	0.50	0.50
392	Micro	Roscoe Nursery	12741 Cantara St.	North Hollywood	IP	2.60	2.60
178	Chosen	Ultra Greens	13102 Maclay Street	Sylmar	GO	10.00	8.50
ALTERNATE							
190	Large	West Covina Wholesale Nursery	5820 Burton Ave.	San Gabriel	GO	15.00	15.00
158	Medium	Sakaida Nursery, Inc.	8538-8601 Longden Ave	San Gabriel	GO	7.00	6.89
306	Small	Mimosa Nursery	6270 Allston Street	East Los Angeles	GO	3.30	2.20
226	Micro	Choji Matsushita	724 N. Cataract Avenue	San Dimas	F	3.80	1.70

During the dry season of this reporting period, which lasted from May 15, 2020 through October 14, 2020, the randomized sampling sites listed in Table 6 were visited on September 9, 2020. All sites were visited during normal operating hours with visits lasting for one hour or for a complete watering cycle, whichever was greater. During the visits, irrigation watering practices were observed and noted. Inspections included communicating with site operators (if available) regarding recently implemented BMPs at each site and verifying BMPs that had been implemented in the past. Irrigation runoff was not observed and samples were not collected at any of the selected sites visited during the dry season.

Table 6 – 2019-2020 Dry Season Sampling Sites

NGA #	GROUP	OWNER/ TENANT	PARCEL		CROP	ACREAGE	
			ADDRESS	CITY	TYPE	TOTAL	IRRIGATED
PRIMARY							
320	Large	Brightview Tree Company	9500 Foothill Blvd	Sunland	GO	10	5
400	Medium	Acosta Growers Inc.	17000 Block of Renwick Rd between Ho	Azusa	GO	3.71	3.71
264	Small	Ben K Bonsai Nursery	2301 Kelburn Ave	Rosemead	GO	1.6	0.75
211	Micro	Barranquilla Nursery	28920 Bouquet Canyon Road	Saugus	GO	2.5	2
178	Chosen	Ultra Greens	13102 Maclay Street	Sylmar	GO	10.00	8.50
ALTERNATE							
132	Large	Norman's Nursery Inc.	8624 Duarte Rd South	San Gabriel	GO	8.63	6.5
386	Medium	New View Landscape, Inc./Green V	West of Lindley between San Jose and D	Northridge	GO	5.1	5.1
316	Small	Saticoy Nursery	18058 San Fernando Mission Blvd.	Granada Hills	GO	5	5
66	Micro	Hill Grove Nursery	450 West Almora	Monterey Park	F	3.5	2

A total of 98 samples have been collected by LAILG during the life of the program. Over half of the samples were collected during the first two years of the program, prior to the suspension of the monitoring group. Collected samples have historically been from storm water runoff during the wet season; irrigated runoff from the dry season has not been encountered since 2008. A summarized history of collected samples is presented on Table 7. A complete history of collected samples in presented in Appendix B.

Table 7 – Historical Sampling Timeline

	CWIL Order # R4-2005-0080												Total
	YEAR 1 [1]				YEAR 2 [2]				YEAR 3		YEAR 4		
	Dry Season		Wet Season		Dry Season		Wet Season		Dry Season	Wet Season	Dry Season	Wet Season	
	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #1	Event #1	Event #1	
Samples Collected	5	3	14	8	2	1	8	11	0	ns*	0	ns*	52
Sites Visited	16	16	16	16	14	14	18	18	18	N/A	18	N/A	164

1 Wet Season sampling events took place over five storms due to localized rain patterns and a general lack of uniform storm intensity and duration.

2 Wet Season sampling events took place during two storm days where all sites were visited.

	CWIL Order # R4-2010-0186																				Total
	Interim Sampling Event [3]	YEAR 1				YEAR 2				YEAR 3				YEAR 4				YEAR 5				
		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet Season		
	March 2011	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	
Samples Collected	4	0	0	4	4	0	0	0	0	0	0	5	0	0	0	2	1	0	0	2	0	22
Sites Visited	4	5	5	5	5	5	5	na	na	5	5	5	na	5	5	5	5	5	5	5	na	84

3 The previous CWIL (Order R4-2005-0080) was replaced on October 7, 2010 with the adoption of a new Waiver (Order R4-2010-0186). As a good faith measure, the LAILG conducted a sampling event during the wet season between the execution of the new CWIL and the required submittal date of an MRP on April 7, 2011.

	CWIL Order # R4-2016-0143																Total
	YEAR 1[4]				YEAR 2[4]				YEAR 3[4]				YEAR 4[4]			YEAR 5	
	Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet	Dry	
	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #1	
Samples Collected	0	0	3	5	0	0	4	4	0	0	4	4	0	0	0	0	24
Sites Visited	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	7	82

4 Sites were sampled in the interim based on the MRP from CWIL Order R4-2010-0186.

4.0 WATER QUALITY BENCHMARKS

Samples were collected and analyzed as presented in the MRP and QAPP developed for Order R4-2016-0143. Table 8 presents the list of constituents analyzed during this reporting period.

Table 8 - List of Constituents for Testing

CONSTITUENT	UNITS	FIELD/LABORATORY TEST
Flow	Cubic feet per second	Field
pH	pH units	Field
Temperature	°F	Field
Dissolved Oxygen	mg/L	Field
Turbidity	NTU	Field
Total Dissolved Solids	mg/L	Laboratory
Total Suspended Solids	mg/L	Laboratory
Hardness (as $CaCO_3$)	mg/L	Laboratory
Chloride	mg/L	Laboratory
Ammonia	mg/L	Laboratory
Nitrate-Nitrogen	mg/L	Laboratory
Phosphate	mg/L	Laboratory
Sulfate	mg/L	Laboratory
Total Copper	ng/L	Laboratory
Organophosphate Suite[1]	ng/L	Laboratory
Organochlorines Suite[2]	ng/L	Laboratory
Toxaphene	ng/L	Laboratory
Pyrethroids	ng/L	Laboratory
Toxicity	TU_c[3]	Laboratory
E.Coli	MPN/100ml	Laboratory
Trash	Observations	Field

[1] Organophosphate Suite: Bolstar, Chlorpyrifos, Demeton, Diazinon, Dichlorvos, Dimethoate, Disulfoton, Ethoprop, Fenchlorophos, Fensulfothion, Fenthion, Malathion, Merphos, Methyl Parathion, Mevinphos, Phorate, Tetrachlorvinphos, Tokuthion, Trichloronate.

[2] Organochlorine Suite: 2.4' - DDD, 2,4' - DDE, 2,4' DDT, 4,4' -DDD, 4,4' -DDE, 4,4' -DDT, Aldrin, BHC-alpha, BHC-beta, BHC-delta, BHC-gamma, Chlordane-alpha, Chlordane-gamma, Dieldrin, Endosulfan sufate, Endosulfan-I, Endosulfan-II, Endrin, Endrin Aldehyde, Endrin Ketone.

[3] Chronic Toxic Unit is the reciprocal of the sample concentration that caused no observable effect on the test organism by the end of a chronic toxicity test.

mg/l milligrams per liter

ng/L nanograms per liter

°F degrees Fahrenheit

TUc chronic toxic unit

NTU nephalitic turbidity units

4.1 WATER QUALITY BENCHMARKS

The following tables present water quality benchmarks that apply to this program for the sites that were sampled during the previous year. They are derived from language included in Appendix 4 of the current Waiver, along with the Water Quality Control Plan Los Angeles Region (Basin Plan) objectives, along with the added California Toxics Rule benchmarks, USEPA ALB guidelines, and CCR Title 22 maximum contamination levels for municipal water (organic chemicals). The additional benchmarks are not currently regulated by the Waiver, and were added solely to evaluate operating practices within the group.

For the purpose of analysis, benchmarks are broken into four general groups: general chemistry (including nutrients), pesticides, toxicity, and field monitoring results.

General Chemistry

General Chemistry water quality objectives for each site were obtained from the *Water Quality Control Plan, Los Angeles Region*. To choose the most appropriate water quality objectives for each site, all sites were assumed to drain through storm drains that ran perpendicularly to the closest blue line stream. The most relevant stream reach and related water quality objectives were chosen for each site using this assumption. Table 9 outlines the site-specific water quality objectives in various watersheds used to evaluate general chemistry results for this report.

Table 9 - Water Quality Benchmarks, General Chemistry

Watershed/stream reach	Ammonia	TDS	Sulfate	Chloride	Nitrogen	TSS	Copper (µg/L)	Phosphate
Los Angeles River:								
Above Figueroa St.	a)	950	300	150	8	—	$CCC=0.960e^{[(0.8545(\ln(\text{hardness})))+(-1.702)]}$	—
Rio Hondo above Santa Ana Freeway	a)	750	300	150	8	—	$CCC=0.960e^{[(0.8545(\ln(\text{hardness})))+(-1.702)]}$	—
Pacoima Wash above Pacoima spreading grounds	a)	250	30	10	MUN	—	$CCC=0.960e^{[(0.8545(\ln(\text{hardness})))+(-1.702)]}$	—
San Gabriel River:								
Between Firestone Blvd. and San Gabriel River Estuary	a)	MUN				—	$CCC=0.960e^{[(0.8545(\ln(\text{hardness})))+(-1.702)]}$	—
Between Morris Dam and Ramona Blvd.	a)	450	100	100	8	—	$CCC=0.960e^{[(0.8545(\ln(\text{hardness})))+(-1.702)]}$	—
Dominguez Channel	a)	MUN				—	$CCC=0.960e^{[(0.8545(\ln(\text{hardness})))+(-1.702)]}$	—
Santa Monica Bay	a)	MUN				—	$CCC=0.960e^{[(0.8545(\ln(\text{hardness})))+(-1.702)]}$	—
USEPA Municipal Drinking Water Standards	a)	500	250	400	10	—	1.3 (mg/L)	—

* All limits are recorded for milligrams per liter (mg/L)

a) Limit varies, see Water Quality Control Plan, Los Angeles Region

MUN No site specific objectives have been established. Objectives are based on USEPA guidelines for municipal drinking water standards.

— No numeric benchmarks, water quality benchmarks shall be based on the surface water and groundwater basin objectives currently contained in the Water Quality Control Plan Los Angeles Region (Basin Plan) or other applicable water quality standards established for the Los Angeles Region.

Pesticides

Pesticide water quality objectives were taken from the Waiver, USEPA ALB guidelines, and the California Toxics Rule. Table 10 presents pesticide benchmarks outlined in the Waiver. Table 11 presents OC pesticide benchmarks outlined by the California Toxics Rule.

Table 10 - Water Quality Benchmarks, Pesticides, CWIL

CONSTITUENT	UNITS	WATER QUALITY BENCHMARK
Chlordane	µg/L	0.00059
4,4' - DDT	µg/L	0.00059
4,4' - DDD	µg/L	0.00084
DDE	µg/L	0.00059
Dieldrin	µg/L	0.00014
Toxaphene	µg/L	0.00075
Chlorpyrifos	µg/L	0.025
Diazinon	µg/L	0.10
µg/L micrograms per liter		

Table 11 - Additional Water Quality Benchmarks, Pesticides, California Toxics Rule

C O N S T I T U E N T	UNITS	WATER QUALITY BENCHMARK Human Health (30-day Average) Drinking Water Sources (consumption of water and aquatic organisms)
Aldrin	ug/L	0.00013
alpha-BHC	ug/L	0.0039
beta-BHC	ug/L	0.014
gamma-BHC (Lindane)	ug/L	0.019
Endosulfan and derivatives	ug/L	110
Endrin	ug/L	0.76
Endrin aldehyde	ug/L	0.76
Heptachlor	ug/L	0.00021
Heptachlor epoxide	ug/L	0.0001

Table 12 presents ALB benchmarks for OP and pyrethroid pesticides. Any pesticide that exceeded the value reported for acute invertebrates were considered a water quality exceedance for LAILG evaluation purposes. The guidelines for acute invertebrates were chosen because historically the most sensitive species in toxicity testing was Ceriodaphna dubia, a species of water flea. The CWIL does not directly cover benchmarks for these constituents, and does not specifically require ALB benchmarks to be considered as WQBs.

Table 12 – Additional Water Quality Benchmarks, Pesticides, Aquatic Life Benchmarks

OPP Aquatic Life Benchmarks (µg / L) (Freshwater)

Pesticides	Footnote	CAS Number	Fish		Invertebrates		Nonvascular Plants	Vascular Plants	Office of Water Aquatic Life Criteria	
			Acute 1	Chronic 2	Acute 3	Chronic 4	Acute 5	Acute 6	Maximum Concentration (CMC)	Continuous Concentration (CCC)
OP Pesticides										
Azinphos Methyl	9	86-50-0	0.18	0.44	0.08	0.25	—	—	—	—
Chlorpyrifos		2921-88-2	0.90	0.57	0.05	0.04	140	—		
Coumaphos	10	56-72-4	170	11.7	0.037	0.0337	—	166	—	—
Dichlovos (DDVP)		62-73-7	91.5	5.2	0.035	0.0058	14,000	—	0.083	0.041
Dimethoate	9	60-51-5	3100	430	21.5	0.5	20,000	>92,600	—	—
Disulfoton	9	298-04-4	19.5	3	1.95	0.01	—	—	—	—
Ethoprop		13194-48-4	150	24	22	0.8	8,400	—	—	—
Fenthion	8	55-38-9	415	7.5	2.6	0.013	400	> 2,800	—	—
Malathion		121-75-5	2.05	8.6	0.049	0.060	2,400	24,000	—	0.1
Methyl Parathion	13	298-00-0	925	< 10	0.485	0.25	15,000	18,000	—	—
Naled		300-76-5	46	2.9	0.07	0.045	25	> 1,800	—	—
Phorate	8	298-02-2	1.175	0.34	0.3	0.21	> 1,300	—	—	—
Pyrethroid Pesticides										
Allethrin		584-79-2	3.9	—	1.05	—	—	—	—	—
Bifenthrin		82657-04-3	0.075	0.04	0.8	0.0013	—	—	—	—
Cyfluthrin		68359-37-5	0.034	0.01	0.0125	0.0074	>181	—	—	—
Cypermethrin		52315-07-8	0.195	0.14	0.21	0.069	—	—	—	—
Fenpropathrin (Danitol)		64257-84-7	1.1	0.06	0.265	0.064	—	—	—	—
Deltamethrin		52918-63-5	0.29	0.017	0.055	0.0041	—	—	—	—
Esfenvalerate	9	66230-04-4	0.035	0.035	0.025	0.017	—	—	—	—
Lambda-cyhalothrin		91465-08-6	0.039	0.031	0.0035	0.002	> 310	—	—	—
Pendimethalin		40487-42-1	69	6.3	140	14.5	5.2	12.5	—	—
Permethrin	16	52645-53-1	0.395	0.0515	0.0195	0.0014	68	—	—	—
Prallethrin		23031-36-9	6	3	3.1	0.65	—	>1.324	—	—
Sumithrin		26002-80-2	7.9	1.1	2.2	0.47	—	—	—	—
Tefluthrin		79538-32-2	0.03	0.004	0.035	0.008	—	—	—	—

Limits Reported in ug/L

[8] Because the underlying toxicity value is a "greater-than" value (such as >265,000), this benchmark may overestimate toxicity.

[9] The chronic benchmark is based on the acute toxicity value (which was lower than the lowest available chronic toxicity value), and therefore may underestimate chronic

[10] Although the underlying acute toxicity value is greater than or equal to the chronic toxicity value, the acute benchmark is lower than the chronic benchmark because acute and chronic toxicity values were multiplied by LOC values of 0.5 and 1, respectively.

[13] Because the underlying toxicity value is a "less-than" value (such as <1,500), this benchmark may underestimate toxicity.

[16] Toxicity values and benchmarks apply to permethrin. If monitoring data represent only the *cis* isomer of permethrin in water, comparison with benchmarks may underestimate potential toxicity.

Toxicity

Toxicity water quality objectives were determined as outlined in the MRP and QAPP, and through communications with ABC laboratory. Because tests are run on 100% concentration of samples (no dilution water), numerical values of TUc cannot be accurately determined. Due to the lack of TUc values, a TIE was generally run on samples that exhibited a high mortality. Chronic toxicity testing is conducted for *Pimephales promelas* (fathead minnow), *Ceriodaphnia* (water flea), and *Selenastrum capricornutum* (green algae). During this waiver period, *Ceriodaphnia* has been the most sensitive species and was the only species tested this sampling year.

Adequate sample volume was collected during sampling events so that TIE procedures could be initiated as soon as possible after toxicity was observed. TIE testing was only initiated if initial testing indicated the presence of significant toxicity in the sample. For the purpose of triggering TIE procedures, significant toxicity was defined as at least 50 percent mortality or a 50 percent reduction in growth. The 50 percent threshold is consistent with the approach recommended in guidance published by the EPA for conducting TIEs, which recommends a minimum threshold of 50 percent mortality because the probability of completing a successful TIE decreases rapidly for samples with less than this level of toxicity. Ultimately, it is up to the analyzing lab to determine if a TIE should be initiated.

Field Monitoring

For field monitoring results, the Basin Plan for the Los Angeles Region contains narrative objectives for certain chemicals, most notably: biostimulator substances, temperature, pH, turbidity, and Total Suspended Solids. Table 13 presents field monitoring and toxicity benchmarks, as outlined in the Los Angeles Basin Plan. These narrative objectives contain verbiage stating that the natural or ambient conditions of receiving waters are not to be altered by discharges, including some of the constituents listed above. This is problematic, as natural or ambient conditions have not been established in many receiving waters, and discharges from growing operations in the urban Los Angeles Region drain primarily to storm drains. The ultimate endpoint of these storm drains are not well mapped or established, and are comingled with discharges from a number of land use types. Due to the difficulty in ascertaining the impacts to receiving waters, it is assumed in this report that discharges do not affect the receiving water bodies in a large enough magnitude to alter natural or ambient conditions.

Trash is visually observed during each sampling event and site visit and noted on field documents. Reporting is not included on the tables in Appendix B as there is no quantitative way to report any trash values, so LAILG has treated it as a yes/no qualitative analysis. There has not been any indication of significant trash releases from any of the sampling sites historically.

Table 13 - Water Quality Benchmarks, Field Monitoring and Toxicity

Constituent	Narrative Objective	Applicable Benchmarks
pH	The pH of inland surface water shall not be depressed below 6.5 or raised above 8.5 as a result of waste discharges. Ambient pH levels shall not be changed by more than 0.5 pH units from natural conditions as a result of waste discharges.	$6.5 \leq pH \leq 8.5$ Changes to ambient receiving water conditions are not assessed; "ambient" or "natural" conditions have not been established
Temperature	For water designated WARM, water temperature shall not be altered by more than 5°F above natural temperature. At no time shall WARM-designated waters be raised above 80°F as a result of water discharge	WARM: ≤ 80°F Changes to ambient receiving water conditions are not assessed; "ambient" or "natural" conditions have not been established
	For waters designated as COLD, water temperature shall not be altered by more than 5°F above the natural temperature.	COLD: No numeric benchmark. Changes to ambient receiving water conditions are not assessed; "ambient" or "natural" conditions have not been established.
Dissolved Oxygen	No single dissolved oxygen determination shall be less than 5 mg/L, except when natural conditions cause lesser concentrations.	≥ 5 mg/L
	The dissolved oxygen content of all surface waters designated as WARM shall not be depressed below 5 mg/L as a result of waste discharge.	WARM: ≥ 5 mg/L
	The dissolved oxygen content of all surface waters designated as COLD and SPWN shall not be depressed below 7 mg/L as a result of waste discharge.	COLD, SPWN: ≥ 7 mg/L
Turbidity	Waters shall be free of changes in turbidity that cause nuisance or adversely affect beneficial uses. Increases in natural turbidity attribute to controllable water quality factors shall not exceed the following limits: Where natural turbidity is between 0 and 50 NTU, increases shall not exceed 20%. Where natural turbidity is greater than 50 NTU, increases shall not exceed 10%.	No Numeric benchmarks. Changes to ambient receiving water conditions are not assessed; "ambient" or "natural" conditions have not been established.
Toxicity	All waters shall be free of toxic substances in concentrations that are toxic to, or that produce detrimental physiological responses in human, plant, animal or aquatic life. There shall be no chronic toxicity in ambient waters outside mixing zones.	≤ 1.0 TUc[3]
Biostimulator Substances	Waters shall not contain biostimulator substances in concentrations that promote aquatic growth to the extent that such growth causes nuisance or adversely affect beneficial uses.	No Numeric benchmarks. Nutrients listed on Table X.
Total Suspended Solids (TSS)	Wastes shall not contain suspended material in concentrations that cause nuisance or adversely affect beneficial uses.	No numeric benchmarks.

5.0 INDIVIDUAL SAMPLING SITE RESULTS

This section presents current and historical sampling events on a site-by-site basis for sampling sites sampled during this sampling year. The random site sampling approach outlined in the most recent MRP significantly changed the sampling approach for the LAILG, and as such, only sites that were visited during this AMR period were included. Samples collected from sampling sites that were sampled during previous sampling years or are no longer operating are included in the evaluation presented in Section 7 and in data presented in Appendix B, but are not presented in this section. Information includes: a summary of detected constituents from water quality sampling, photographs from visits conducted during the most recent site visits and sampling, site maps, and basic site information.

A complete tabulated summary of results from this sampling year, along with historical sampling results, is presented in Appendix B.

5.1 RANDOM SAMPLING LOCATIONS – WET SEASON

NGA SITE #143

Sampling Group: LARGE
Total / Irrigated Acres: 4/3.75 Acres
Sample site GPS location: 34.383718° / -118.526567°

March 10, 2020, wet season, no sample collected

Site Drainage and Access - The site is situated on a slight hill and appears to drain north/northwest to the northwest corner of the property. The only access to the site is the northern border. The site is surrounded by residential, open space land, and what appears to be a livestock corral. The site was locked during the sampling event.

Sampling - No Samples were collected at the site due to lack of runoff.

Evaluation – Based on site topography, runoff would be anticipated during longer duration storms or heavier storm events.

Based on what was available to be seen during the sampling event and from aerial photos, a site map was completed and is presented on Figure 2.

Figure 2 – Aerial Map of NGA #143

NGA SITE #386

Sampling Group: MEDIUM
Total / Irrigated Acres: 5.1/5.1 Acres
Sample site GPS location: 34.257484° / -118.529085°

March 10, 2020, wet season, no sample collected

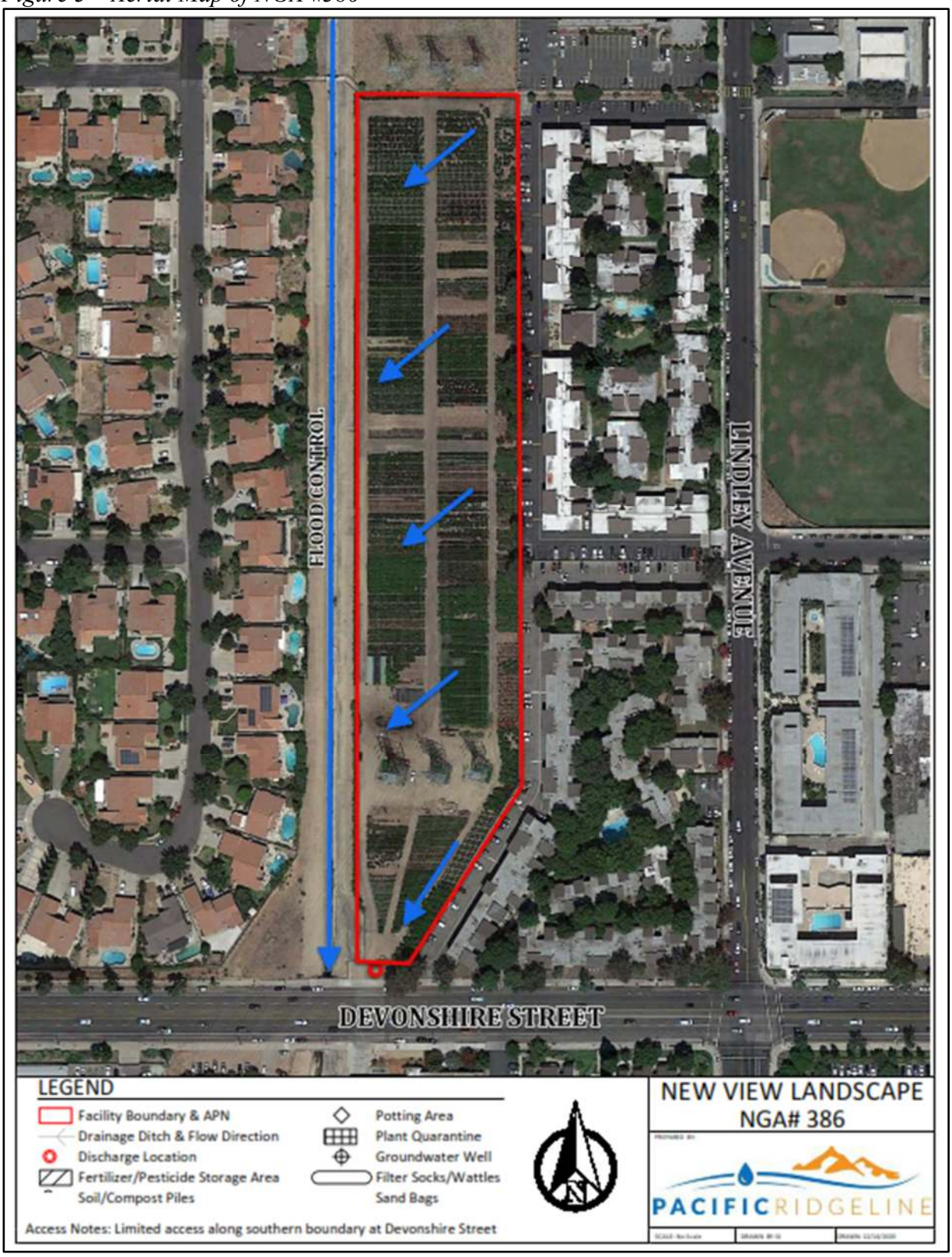
Site Drainage and Access - The site appears to drain south towards Devonshire Street, and also west towards Aliso Canyon Wash in certain sections of the property. There is no access to the Los Angeles County Public Works roadway adjacent to Aliso Canyon Wash on the west, or the northern or eastern boundary, which is inside a locked gate in private apartment complex. The only access to the site is a small portion of the southern border. The site is surrounded by Aliso Canyon Wash and an apartment complex. The site was locked during the sampling event.

Sampling - No Samples were collected at the site due to lack of runoff.

Evaluation – Based on site topography, only a small portion of the southern section may run off to the south. It is unknown if it would be a large enough volume to sample during longer duration storms or heavier storm events

Based on what was available to be seen during the sampling event and from aerial photos, a site map was completed and is presented on Figure 3.

Figure 3 – Aerial Map of NGA #386



NGA SITE #503

Sampling Group: SMALL
Total / Irrigated Acres: 0.5/0.5 Acres
Sample site GPS location: 34.084386° / -118.030839°

March 10, 2020, wet season, no sample collected

Site Drainage and Access - The site is small and flat, but a small portion may drain west towards Tyler Avenue. The border to the north and east are higher than the site, and the southern border is a residential property without access. The surrounding area is residential and retail.

Sampling - No Samples were collected at the site due to lack of runoff.

Evaluation – Based on site topography, only a small portion of the western section may run off to the west. It would most likely only run off during a larger active rain storm, and would not have sustained runoff.

Based on what was available to be seen during the sampling event and from aerial photos, a site map was completed and is presented on Figure 4.

Figure 4 – Aerial Map of NGA #503

NGA SITE #392

Sampling Group: MICRO
Total / Irrigated Acres: 2.6/2.6 Acres
Sample site GPS location: 34.219940° / -118.411035°

March 10, 2020, wet season, no sample collected

Site Drainage and Access - The site is relatively flat with a small mound off-center to the northwest. The mound does not appear large enough to generate a significant flow of stormwater. There is no access to east or west borders of the property, as the is surrounded primarily by residential land. The site is locked during off hours.

Sampling - No Samples were collected at the site due to lack of runoff.

Evaluation – Based on site topography, the site is unlikely to have significant runoff. It is unknown if there would be a large enough volume to sample during longer duration storms or heavier storm events.

Based on what was available to be seen during the sampling event and from aerial photos, a site map was completed and is presented on Figure 5.

Figure 5 – Aerial Map of NGA #392

5.2 RANDOM SAMPLING LOCATIONS – DRY SEASON

NGA SITE #320

Sampling Group: LARGE
Total / Irrigated Acres: 10/5.0 Acres
Sample site GPS location: 34.270371° / -118.339895°

September 9, 2020, dry season, no sample collected

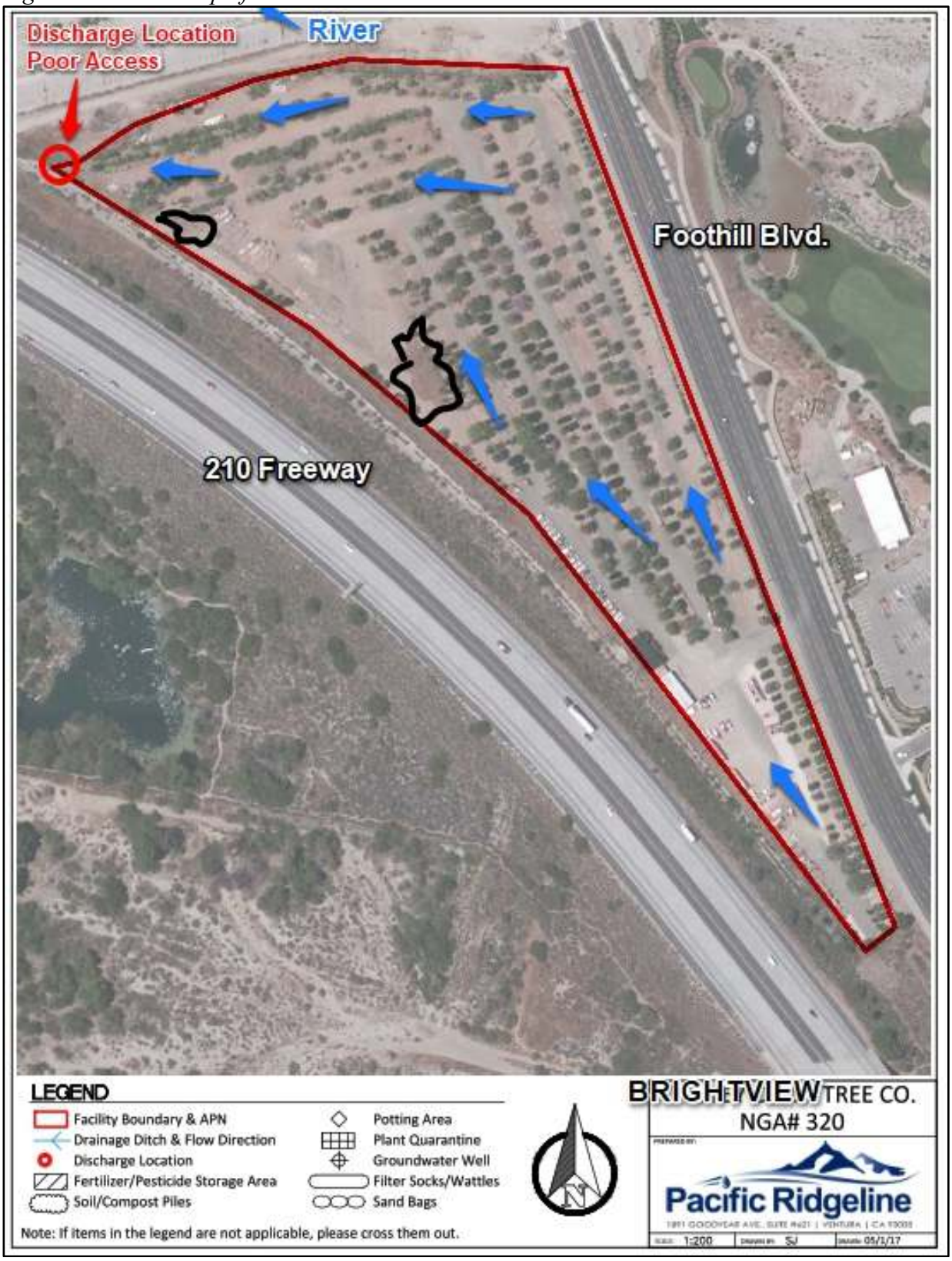
Site Drainage and Access - The site is heavily sloped to the north/northeast and drains directly into an adjacent concrete lined wash or directly off the property into Big Tujunga Creek. Access if available only by foot on dirt path on the northern border of the property. The general area looks prone to heavy flooding during significant rain events.

Sampling - No Samples were collected at the site due to lack of runoff.

Evaluation – This site is anticipated to have runoff during active storm events, but may be unsafe during flooding conditions.

Based on what was available to be seen during the sampling event and from aerial photos, a site map was completed and is presented on Figure 6.

Figure 6 – Aerial Map of NGA #320



NGA SITE #400

Sampling Group: MEDIUM
Total / Irrigated Acres: 3.7/3.7 Acres
Sample site GPS location: 34.110725° / -117.914270°

September 9, 2020, dry season, no sample collected

Site Drainage and Access - The site is relatively flat, and are graded inward towards the SCE towers. A very small portion of each parcel is slightly graded to release water to North Enid between the parcels and possibly to Homerest Avenue on the east. There is no access to the to the northern and southern borders of the property due to residential and school land. The site does not appear to drain to the east directly into Little Dalton Wash.

Sampling - No Samples were collected at the site due to lack of runoff.

Evaluation – Based on site topography, only a small portion of each parcel may run off into North Enid and Homerest Avenue. It is unknown if it would be a large enough volume to sample during longer duration storms or heavier storm events, but would runoff would not be indicative of the entire site. The site is not ideal for a sampling location.

Based on what was available to be seen during the sampling event and from aerial photos, a site map was completed and is presented on Figure 7.

Figure 7 – Aerial Map of NGA #400

NGA SITE #264

Sampling Group: SMALL
Total / Irrigated Acres: 1.6/0.75 Acres
Sample site GPS location: 34.055458° / -118.093650°

September 9, 2020, dry season, no sample collected

Site Drainage and Access - The site drains to the northeast towards the main gate on Falling Leaf Avenue. There is no access to northern or southern borders, which are on residential land. The eastern border is at a higher elevation and would not have stormwater discharges. The site was locked during the sampling event.

Sampling - No Samples were collected at the site due to lack of runoff.

Evaluation – Based on site topography, this eastern gate on Falling Leaf Avenue appears like it would have stormwater discharges during a moderately sized storm event.

Based on what was available to be seen during the sampling event and from aerial photos, a site map was completed and is presented on Figure 8.

Figure 8 – Aerial Map of NGA #264

NGA SITE #211

Sampling Group: MICRO
Total / Irrigated Acres: 2.5/2.0 Acres
Sample site GPS location: 34.462395° / -118.481447°

September 9, 2020, dry season, no sample collected

Site Drainage and Access - The site drains to the east/southeast towards Bouquet Creek. There is no access to the discharge location off site, and the facility is locked during off hours and rain events.

Sampling - No Samples were collected at the site due to lack of runoff.

Evaluation – Based on site topography, the site would have discharges during rain events. However, access to the sampling location outside of the property is not accessible during rain events.

Based on what was available to be seen during the sampling event and from aerial photos, a site map was completed and is presented on Figure 9.

Figure 9 – Aerial Map of NGA #211

NGA SITE #132

Sampling Group: LARGE - ALTERNATE
Total / Irrigated Acres: 8.6/6.5 Acres
Sample site GPS location: 34.118218° / -118.080950°

September 9, 2020, dry season, no sample collected

Site Drainage and Access - The northern portion of the site gently slopes towards the gate on Arendale Avenue to the south. There is no access to east or west borders of the property, which are bordered by residential land. The southern parcel of the property appears too flat to sustain stormwater discharges.

Sampling - No Samples were collected at the site due to lack of runoff.

Evaluation – Based on site topography, the northern portion of the site appears like it would drain to Arendale Avenue during moderately sized storm events, and could be sampled outside the gate.

Based on what was available to be seen during the sampling event and from aerial photos, a site map was completed and is presented on Figure 10.

Figure 10 – Aerial Map of NGA #132

NGA SITE #316

Sampling Group: SMALL - ALTERNATE
Total / Irrigated Acres: 5.0/5.0 Acres
Sample site GPS location: 34.269053° / -118.527731°

September 9, 2020, dry season, no sample collected

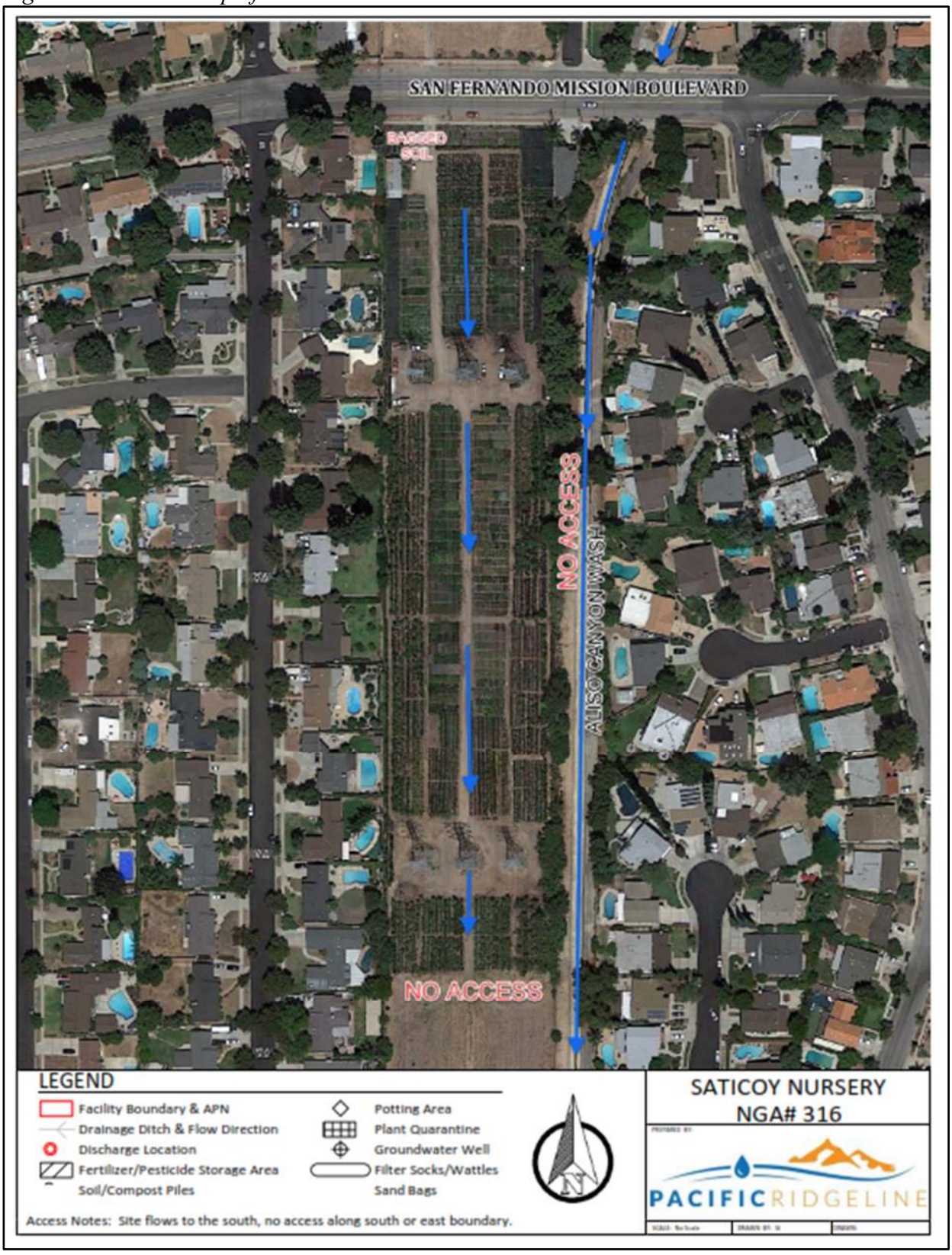
Site Drainage and Access - The site drains from north to south. The southern border of the active growing area drains to open space land under power lines. There is no access to the eastern border along Aliso Canyon Wash, and it is not apparent that the site would drain that way during storm events. The western border is inaccessible residential land, and the southern portion where runoff would occur is gated and locked. Based on the topography, it is unlikely that the discharge would make it all the way south to Tribune Street.

Sampling - No Samples were collected at the site due to lack of runoff.

Evaluation – Based on site topography and a lack of access, the site is not currently feasible to collect stormwater samples.

Based on what was available to be seen during the sampling event and from aerial photos, a site map was completed and is presented on Figure 11.

Figure 11 – Aerial Map of NGA #316



5.3 SAMPLING LOCATIONS – CHOSEN SITE WET/DRY

NGA SITE #178

Sampling Group: CHOSEN
Total / Irrigated Acres: 1.5/1.23 Acres
Sample site GPS location: 34.299810° / -118.418930°

March 10, 2020, wet season, no sample collected

September 9, 2020, dry season, no sample collected

Site Drainage and Access - The facility is heavily sloped to the southeast, and drainage of the northern parcel flows through a channel that crosses the property. There is no access to the northeast or southwest borders of the property, which are residential land and a horse pasture, and the 210 freeway, respectively. The drainage leaves the property at the gate on Maclay Street.

Sampling - Five samples collected to date. No samples were collected during the wet or dry season of this sampling year.

Evaluation – The site continues to be a viable sampling site as long as there is active rain during the sampling event. Sustained runoff is rarely encountered.

Historical sampling results for this site are presented in Table 14.

A site map is presented on Figure 12.

Table 14 - Summary of samples collected, NGA #178

Site	Sample #	Date	General Chemistry (mg/L)												
			Ammonia	Chloride	Diss Ortho	Nitrate	Sulfate	Total Diss Phos	TDS	Total Ortho	Total Phos	TSS	CA Hardness, as CaCO3	Ca	Cu
NGA #178	LAILG-NGA 178-1	12/15/2008	0.81	**85.04**	2.4077	**12.99**	**148.27**	2.648	**462**	2.64	2.934	72.7	na	na	na
NGA #178	LAILG-NGA 178-2	2/28/2014	0.87	**120**	2.2	**10**	**370**	2.4	**940**	2.2	3.6	270	324	130	0.030
NGA #178	LAILG-NGA-178-3	2/17/2017	0.58	**74**	1.3	0.55	**200**	1.3*	**720**	1.3	13	2900	431	173	0.37
NGA #178	LAILG-NGA-178-4	1/9/2018	0.48	**87**	2.400	3.9	**100**	2.4	**520**	2.4	5.6	930	172	69	0.073
NGA #178	LAILG-NGA-178-5	11/29/2018	3.6	**290**	2.300	**17**	**250**	2.4	**1300**	2.3	2.8	160	242	96.8	0.042

Site	Sample #	Date	OC Pesticides (ng/L)	OP Pesticides (ng/L)	Pyd Pesticides (ng/L)
			Total DDT and Derivatives		Total sum of all detected Pyrethroids
NGA # 178	LAILG-NGA 178-1	12/15/2008	**25.3**	No OP Pesticides Detected	4.9
NGA # 178	LAILG-NGA 178-2	2/28/2014	nd		40
NGA #178	LAILG-NGA-178-3	2/17/2017	nd		20
NGA #178	LAILG-NGA-178-4	1/9/2018	nd		nd
NGA #178	LAILG-NGA-178-5	11/29/2018	nd		nd

Results above CWIL Limits are presented in **BOLD.**

mg/L	milligrams per liter	Diss	Dissolved
ng/L	nanograms per liter	Ortho	Orthophosphate
OC	Organochlorinated Pesticide	Phos	Phosphorus
OP	Organophosphorus Pesticide	TDS	Total Dissolved Solids
Pyd	Pyrethroid Pesticide	TSS	Total Suspended Solids
na	Constituent not analyzed	Ca	Calcium
nd	Constituent not detected	Cu	Copper

Figure 12 – Aerial Map of NGA #178

6.0 SUMMARY OF SAMPLING SITE RESULTS

6.1 WATER QUALITY BENCHMARK EXCEEDANCES

A total of 98 samples have been collected since the inception of the program. No samples were collected this year over the two sampling events.

For or the purpose of analysis, benchmarks are broken into four general groups: general chemistry (including nutrients), pesticides, toxicity, and field monitoring. Water quality benchmarks for each group are presented in Section 4. A summary of WQBs exceeded during this sampling year, and throughout the life of the program, is presented below. Numerical values for each constituent are presented on the tables included in Appendix B. A discussion of the exceedances follows.

6.1.1 General Chemistry

No samples were collected during this sampling year. Table 15 summarizes general chemistry exceedances for individual constituents reported throughout the life of the program. A complete summary of analytical results for general chemistry constituents is included in Appendix B.

Total Dissolved Solids

Laboratory results reported TDS exceedances in 32 of the 98 total samples (32.7 %) collected throughout the life of the program.

Chloride

Laboratory results reported Chloride exceedances in nine of the 98 total samples (9.2 %) collected throughout the life of the program.

Sulfate

Laboratory results reported Sulfate exceedances in 13 of the 98 total samples (13.3 %) collected throughout the life of the program.

Nutrients (Nitrate/Ammonia/Phosphorus)

Laboratory results reported Nitrogen exceedances in 51 of the 98 total samples (52.0 %) collected throughout the life of the program. Four of the 98 total samples (4.1 %) collected throughout the life of the program have reported exceedances of Ammonia. WQBs for Phosphate have not been established.

Table 15 - Summary of Water Quality Exceedances, General Chemistry

Constituent	CWIL Order # R4-2005-0080												Total	% of samples
	YEAR 1				YEAR 2				YEAR 3		YEAR 4			
	Dry Season		Wet Season		Dry Season		Wet Season		Dry Season	Wet Season	Dry Season	Wet Season		
	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #1	Event #1	Event #1		
Ammonia	1	1	0	1	0	0	1	0	ns	ns	ns	ns	4	7.7%
TDS	4	3	5	2	1	0	2	2	ns	ns	ns	ns	19	36.5%
Sulfate	0	0	1	1	0	0	2	2	ns	ns	ns	ns	6	11.5%
Chloride	1	0	2	1	0	0	0	1	ns	ns	ns	ns	5	9.6%
Nitrogen	3	3	7	2	2	1	4	8	ns	ns	ns	ns	30	57.7%
Total Number of Exceedances	**9**	**7**	**15**	**7**	**3**	**1**	**9**	**13**	**ns**	**ns**	**ns**	**ns**	**64**	
Average # of Exceedances per sample	1.80	2.33	1.07	0.88	1.50	1.00	1.13	1.18	ns	ns	ns	ns	1.23	
Number of Samples Collected	**5**	**3**	**14**	**8**	**2**	**1**	**8**	**11**	**ns**	**ns**	**ns**	**ns**	**52**	

ns Program suspended, no sample collected

Constituents	CWIL Order # R4-2010-0186																		Total	% of samples
	Interim Sampling	YEAR 1				YEAR 2			YEAR 3			YEAR 4				YEAR 5				
		Dry Season		Wet Season		Dry Season		Wet Season	Dry Season		Wet Season	Dry Season		Wet Season		Dry Season		Wet Season		
	March 2011	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #1	Event #2	Event #1	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1		
Ammonia	0	--	--	0	0	--	--	--	--	--	0	--	--	0	0	--	--	0	0	0.0%
TDS	3	--	--	1	1	--	--	--	--	--	2	--	--	1	0	--	--	0	8	36.4%
Sulfate	0	--	--	1	1	--	--	--	--	--	1	--	--	1	0	--	--	0	4	18.2%
Chloride	0	--	--	0	0	--	--	--	--	--	1	--	--	0	0	--	--	0	1	4.5%
Nitrogen	2	--	--	2	1	--	--	--	--	--	3	--	--	1	1	--	--	1	11	50.0%
Total Number of Exceedances	**5**	**0**	**0**	**4**	**3**	**0**	**0**	**0**	**0**	**0**	**7**	**0**	**0**	**3**	**1**	**0**	**0**	**1**	**24**	
Average # of Exceedances per sample	1.25	--	--	1.00	0.75	--	--	--	--	--	1.40	--	--	1.50	1.00	--	--	0.50	1.09	
Number of Samples Collected	**4**	**0**	**0**	**4**	**4**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**0**	**2**	**1**	**0**	**0**	**2**	**22**	

-- No sample collected

Table 15, cont. - Summary of Water Quality Exceedances, General Chemistry

Constituents	CWIL Order # R4-2016-0143																Total	% of samples
	YEAR 1, Interim				YEAR 2, Interim				YEAR 3, Interim				YEAR 4, Interim		YEAR 4	YEAR 5		
	Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet	Dry		
	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #1		
Ammonia	--	--	0	0	--	--	0	0	--	--	0	0	--	--	--	--	0	0.0%
TDS	--	--	0	1	--	--	2	1	--	--	1	0	--	--	--	--	5	20.8%
Sulfate	--	--	0	1	--	--	1	0	--	--	1	0	--	--	--	--	3	12.5%
Chloride	--	--	0	1	--	--	1	0	--	--	1	0	--	--	--	--	3	12.5%
Nitrogen	--	--	1	1	--	--	0	2	--	--	4	2	--	--	--	--	10	41.7%
Total Number of Exceedances	**0**	**0**	**1**	**4**	**0**	**0**	**4**	**3**	**0**	**0**	**7**	**2**	**0**	**0**	**0**	**0**	**21**	
Average # of Exceedances per sample	--	--	0.33	0.80	--	--	1.00	0.75	--	--	1.75	0.50	--	--	--	--	0.88	
Number of Samples Collected	**0**	**0**	**3**	**5**	**0**	**0**	**4**	**4**	**0**	**0**	**4**	**4**	**0**	**0**	**0**	**0**	**24**	

Constituents	**Totals, all Orders**		**Total**	**% of samples**
	Dry Season	**Wet Season**		
Ammonia	2	2	4	4.1%
TDS	8	24	32	32.7%
Sulfate	0	13	13	13.3%
Chloride	1	8	9	9.2%
Nitrogen	9	42	51	52.0%
Total Number of Exceedances	**20.00**	**89.00**	**109**	
Average # of Exceedances per sample	1.82	1.02	1.11	
Number of Samples Collected	**11**	**87**	**98**	

6.1.2 Pesticides

No samples were collected during this sampling year. Table 16 summarizes pesticide exceedances for individual constituents reported throughout the life of the program. A complete summary of analytical results for the analyzed pesticide constituents is included in Appendix B.

OC Pesticides

Laboratory results have reported OC Pesticide exceedances for 58 individual constituents of the 98 total samples collected throughout the life of the program.

Chlordane and 4,4' DDE have been the most prevalent OC pesticides detected, accounting for 39 of the 58 total exceedances. Exceedances were more prevalent during the original waiver period (CWIL Order #R4-2005-0080).

OP Pesticides

Laboratory results reported OP Pesticide exceedances for 29 individual constituents of the 98 total samples collected throughout the life of the program.

OP pesticides detected over WQBs throughout all waiver periods have been Chlorpyrifos, Diazinon, and Malathion.

Pyrethroids

Laboratory results reported Pyrethroid Pesticide exceedances for 100 individual constituent exceedances of the 98 total samples collected throughout the life of the program.

Table 16 - Summary of Water Quality Exceedances, Pesticides

Constituent	CWIL Order # R4-2005-0080												Total	% of samples
	YEAR 1				YEAR 2				YEAR 3		YEAR 4			
	Dry Season		Wet Season		Dry Season		Wet Season		Dry Season	Wet Season	Dry Season	Wet Season		
	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #1	Event #1	Event #1		
Waiver Limitations														
OC Pesticides														
Chlordane	1	0	6	1	2	1	4	3	ns	ns	ns	ns	18	34.62%
4,4' DDT	2	2	2	1	0	0	0	0	ns	ns	ns	ns	7	13.46%
4,4' DDD	2	2	2	1	0	0	0	2	ns	ns	ns	ns	9	17.31%
4,4' DDE	2	1	5	2	0	1	2	4	ns	ns	ns	ns	17	32.69%
Dieldrin	0	0	0	0	0	0	0	0	ns	ns	ns	ns	0	0.00%
Toxaphene	0	0	0	0	0	0	0	1	ns	ns	ns	ns	1	1.92%
Waiver, OC Pesticide # of Exceedances	**7**	**5**	**15**	**5**	**2**	**2**	**6**	**10**	**0**	**0**	**0**	**0**	**52**	
OP Pesticides														
Chlorpyrifos	0	0	2	1	0	0	1	3	ns	ns	ns	ns	7	13.46%
Diazinon	0	0	2	1	1	0	0	1	ns	ns	ns	ns	5	9.62%
Waiver, OP Pesticide # of Exceedances	**0**	**0**	**4**	**2**	**1**	**0**	**1**	**4**	**0**	**0**	**0**	**0**	**12**	
Aquatic Life Guidelines														
OP Pesticides														
Malathion	0	0	1	1	1	0	0	2	ns	ns	ns	ns	5	9.62%
ALB, OP Pesticide # of Exceedances	**0**	**0**	**1**	**1**	**1**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**5**	
Pyrethroid Pesticides														
Bifenthrin	1	2	4	0	0	0	2	3	ns	ns	ns	ns	12	23.08%
Cyfluthrin	2	1	4	2	0	0	5	4	ns	ns	ns	ns	18	34.62%
Fenpropathrin (Danitol)	1	0	3	2	1	0	2	2	ns	ns	ns	ns	11	21.15%
Fluvalinate	0	1	0	0	1	0	2	3	ns	ns	ns	ns	7	13.46%
Deltamethrin	0	0	2	2	1	0	0	2	ns	ns	ns	ns	7	13.46%
Lambda-cyhalothrin	1	0	1	1	1	0	6	2	ns	ns	ns	ns	12	23.08%
Permethrin	1	1	4	0	1	0	3	4	ns	ns	ns	ns	14	26.92%
ALB, Pyrethroid Pesticide # of Exceedances	**6**	**5**	**18**	**7**	**5**	**0**	**20**	**20**	**0**	**0**	**0**	**0**	**81**	
Total Number of Exceedances	**13**	**10**	**38**	**15**	**9**	**2**	**27**	**36**	**ns**	**ns**	**ns**	**ns**	**150**	
Average # of Exceedances per sample	2.60	3.33	2.71	1.88	4.50	2.00	3.38	3.27	ns	ns	ns	ns	2.88	
Number of Samples Collected	**5**	**3**	**14**	**8**	**2**	**1**	**8**	**11**	**ns**	**ns**	**ns**	**ns**	**52**	

ns Program suspended, no sample collected

Table 16 cont.- Summary of Water Quality Exceedances, Pesticides

Constituents	CWIL Order # R4-2010-0186																			Total	% of samples
	Interim Sampling	YEAR 1				YEAR 2			YEAR 3			YEAR 4				YEAR 5					
		Dry Season		Wet Season		Dry Season		Wet Season	Dry Season		Wet Season	Dry Season		Wet Season		Dry Season		Wet Season			
	March 2011	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #1	Event #2	Event #1	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1			
Waiver Limitations																					
OC Pesticides																					
Chlordane	1			0	0				--	--	0	--	--	0	0	--	--	0		1	4.55%
4,4' DDT	1			0	0				--	--	0	--	--	0	0	--	--	0		1	4.55%
4,4' DDD	0			0	0				--	--	0	--	--	0	0	--	--	0		0	0.00%
4,4' DDE	1			1	1				--	--	0	--	--	0	0	--	--	0		3	13.64%
Dieldrin	1			0	0				--	--	0	--	--	0	0	--	--	0		1	4.55%
Toxaphene	0			0	0				--	--	0	--	--	0	0	--	--	0		0	0.00%
Waiver, OC Pesticide # of Exceedances	**4**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**6**	
OP Pesticides																					
Chlorpyrifos	3	--	--	0	1				--	--	1	--	--	0	0	--	--	0		5	22.73%
Diazinon	1	--	--	0	0				--	--	0	--	--	0	0	--	--	0		1	4.55%
Waiver, OP Pesticide # of Exceedances	**4**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**6**	
Aquatic Life Guidelines																					
OP Pesticides																					
Malathion	1	--	--	0	1	--	--	--	--	--	0	--	--	0	0	--	--	0		2	9.09%
ALB, OP Pesticide # of Exceedances	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**		**2**	
Pyrethroid Pesticides																					
Bifenthrin	0	--	--	0	0	--	--	--	--	--	1	--	--	1	0	--	--	0		2	9.09%
Cyfluthrin	0	--	--	0	0	--	--	--	--	--	1	--	--	0	0	--	--	0		1	4.55%
Cypermethrin	0	--	--	0	0	--	--	--	--	--	0	--	--	0	0	--	--	0		0	0.00%
Fenpropathrin (Danitol)		--	--			--	--	--	--	--	0	--	--	1	0	--	--	0		1	4.55%
Deltamethrin	0	--	--	1	0	--	--	--	--	--	0	--	--	0	0	--	--	0		1	4.55%
Lambda-cyhalothrin	0	--	--	0	0	--	--	--	--	--	0	--	--	0	0	--	--	0		0	0.00%
Permethrin	2	--	--	0	1	--	--	--	--	--	1	--	--	1	0	--	--	0		5	22.73%
ALB, Pyrethroid Pesticide # of Exceedances	**2**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**0**	**3**	**0**	**0**	**0**	**0**		**10**	
Total # of Exceedances	**11**	**0**	**0**	**2**	**4**	**0**	**0**	**0**	**0**	**0**	**4**	**0**	**0**	**3**	**0**	**0**	**0**	**0**		**24**	
Average # of Exceedances per sample	2.75	--	--	0.50	1.00	--	--	--	--	--	0.80	--	--	1.50	0.00	--	--	0.00		1.09	
Number of Samples Collected	**4**	**0**	**0**	**4**	**4**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**0**	**2**	**1**	**0**	**0**	**2**		**22**	

-- No Sample Collected

Table 16 cont.- Summary of Water Quality Exceedances, Pesticides

Constituents	CWIL Order # R4-2016-0143																Total	% of samples
	YEAR 1, Interim				YEAR 2, Interim				YEAR 3, Interim				YEAR 4, Interim		YEAR 4	YEAR 5		
	Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet	Dry		
	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #1		
Waiver Limitations																		
OC Pesticides																		
Chlordane	--	--	0	0	--	--	0	0	--	--	0	0	--	--	--	--	0	0.00%
4,4' DDT	--	--	0	0	--	--	0	0	--	--	0	0	--	--	--	--	0	0.00%
4,4' DDD	--	--	0	0	--	--	0	0	--	--	0	0	--	--	--	--	0	0.00%
4,4' DDE	--	--	0	0	--	--	0	0	--	--	0	0	--	--	--	--	0	0.00%
Dieldrin	--	--	0	0	--	--	0	0	--	--	0	0	--	--	--	--	0	0.00%
Toxaphene	--	--	0	0	--	--	0	0	--	--	0	0	--	--	--	--	0	0.00%
Waiver, OC Pesticide # of Exceedances	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
OP Pesticides																		
Chlorpyrifos	--	--	0	0	--	--	0	1	--	--	0	0	--	--	--	--	1	4.17%
Diazinon	--	--	0	0	--	--	0	0	--	--	1	0	--	--	--	--	1	4.17%
Waiver, OP Pesticide # of Exceedances	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	
Aquatic Life Guidelines																		
OP Pesticides																		
Malathion	--	--	0	0	--	--	1	1	--	--	0	0	--	--	--	--	2	8.33%
ALB, OP Pesticide # of Exceedances	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	
Pyrethroid Pesticides																		
Bifenthrin	--	--	0	2	--	--	0	0	--	--	1	0	--	--	--	--	3	12.50%
Cyfluthrin	--	--	0	1	--	--	0	0	--	--	1	1	--	--	--	--	3	12.50%
Cypermethrin	--	--	0	0	--	--	0	0	--	--	0	0	--	--	--	--	0	0.00%
Fenpropathrin (Danitol)	--	--	0	1	--	--	0	0	--	--	0	0	--	--	--	--	1	4.17%
Deltamethrin	--	--	0	0	--	--	0	0	--	--	0	0	--	--	--	--	0	0.00%
Lambda-cyhalothrin	--	--	0	0	--	--	0	0	--	--	0	0	--	--	--	--	0	0.00%
Permethrin	--	--	0	1	--	--	1	0	--	--	0	0	--	--	--	--	2	8.33%
ALB, Pyrethroid Pesticide # of Exceedances	**0**	**0**	**0**	**5**	**0**	**0**	**1**	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**0**	**0**	**9**	
Total # of Exceedances	**0**	**0**	**0**	**5**	**0**	**0**	**2**	**2**	**0**	**0**	**3**	**1**	**0**	**0**	**0**	**0**	**13**	
Average # of Exceedances per sample			0.00	1.00			0.50	0.50			0.75	0.25					0.54	
Number of Samples Collected	**0**	**0**	**3**	**5**	**0**	**0**	**4**	**4**	**0**	**0**	**4**	**4**	**0**	**0**	**0**	**0**	**24**	

Table 16 cont.- Summary of Water Quality Exceedances, Pesticides

Constituents	Totals, all Orders		Total	% of samples
	Dry Season	Wet Season		
Waiver Limitations				
OC Pesticides				
Chlordane	4	15	19	19.39%
4,4' DDT	4	4	8	8.16%
4,4' DDD	4	5	9	9.18%
4,4' DDE	4	16	20	20.41%
Dieldrin	0	1	1	1.02%
Toxaphene	0	1	1	1.02%
Waiver, OC Pesticide # of Exceedances	**16**	**42**	**58**	
OP Pesticides				
Chlorpyrifos	0	13	13	13.27%
Diazinon	1	6	7	7.14%
Waiver, OP Pesticide # of Exceedances	**1**	**19**	**20**	
Aquatic Life Guidelines				
OP Pesticides				
Malathion	1	8	9	9.18%
ALB, OP Pesticide # of Exceedances	**1**	**8**	**9**	
Pyrethroid Pesticides				
Bifenthrin	3	14	17	17.35%
Cyfluthrin	3	19	22	22.45%
Cypermethrin	2	9	11	11.22%
Fenpropathrin (Danitol)	2	7	9	9.18%
Deltamethrin	1	7	8	8.16%
Lambda-cyhalothrin	2	10	12	12.24%
Permethrin	3	18	21	21.43%
ALB, Pyrethroid Pesticide # of Exceedances	**16**	**84**	**100**	
Total # of Exceedances	**34**	**153**	**187**	
Average # of Exceedances per sample	3.09	1.76	1.91	
Number of Samples Collected	**11**	**87**	**98**	

ni Not included in laboratory analytical suite during this Waiver period

-- No samples collected

6.1.3 Toxicity

A total of 16 TIEs have been conducted throughout the life of the program. Seven of the TIEs did not show a significant observed toxicity effect in follow up testing.

Historical TIE results indicated a variety of reasons for toxicity, including non-polar organic compounds, particulate-bound toxicants, volatile compounds, organophosphates, particulate bound toxicants, metals, and a combination of the previously listed toxicants. A historical summary of analytical results for toxicity testing is included for each site in Appendix B.

6.1.4 Field Monitoring Results

Field Monitoring Water Quality Benchmarks are based on the surface water and groundwater basin objectives currently contained in the Basin Plan or other applicable water quality standards established for the Los Angeles Region. Field monitoring readings have not exceeded Basin Plan objectives at any sites sampled during the entire program. A historical summary of results for field measurements is included for each site in Appendix B. Hard copies of field data sheets and field reports are kept on file at PacRL, and are available upon request.

6.2 QUALITY ASSURANCE AND QUALITY CONTROL

There were no samples collected this year. All field monitoring equipment was calibrated prior to each monitoring event, and verified after calibration with mid-range standards. Calibration logs are kept on-file at PacRL.

Field duplicates and laboratory duplicates are used to check the precision of samples. Field duplicates were not collected this year as the one per 20 samples threshold had yet to be met. Lab duplicates, blank spike duplicates, laboratory control spike duplicates, and matrix spike duplicates were all accepted by the laboratory and did not cause any data to be estimated, as discussed in the laboratory analytical report.

Percent recoveries for bank spike samples, laboratory control samples, and matrix spike samples are used to check the accuracy of samples.

7.0 WQMP/MRP UPDATE

An updated WQMP Version 2.2 was Submitted on November 5, 2020. This section summarizes results from the most recent WQMP. No additional data has been collected since WQMP Version 2.2, with the exception of additional education hours. Methodology and all additional information on the data presented can be found in the WQMP reports.

7.1 GROUPING RESULTS

A total of 153 out of the 208 individual operators (73.6%) and 208 of the 283 facilities (73.5%), which represent 1,107.03 of the 1,232.37 irrigated acres (82.5%) enrolled in the program, have answered the General Questionnaire and were able to be grouped for this report. The current grouping status for members that have submitted sufficient data is summarized in Table 17, and the current status of all members of the group, including gaps in current information, is presented on the growers list in Appendix A.

Table 16. Summary of Grouping Results

Group	# Operators Grouped	# Facilities Grouped	Acres Represented	% of Grouped Operators	% of Grouped Facilities
LARGE	24	49	427.2	15.7%	23.6%
MEDIUM	31	51	297.03	20.3%	24.5%
SMALL	71	77	245.41	46.4%	37.0%
MICRO	27	31	47.45	17.6%	14.9%
Total Grouped	153	208	1017.09		
Total Enrolled	208	283	1232.37		
% of Total Grouped	73.6%	73.5%	82.5%		

7.2 OUTREACH

The LAILG has full time personnel that are available for grower assistance via phone whenever necessary. LAILG is available to provide support, if required, to assist growers with information included in the documents. A website dedicated to the LAILG portion of the NGA is currently live and contains all relevant LAILG information for all growers that have reported data. The website has a back-end password protected system for growers to enter their data on-line in real time, which includes digital versions of the General Questionnaire and the BMP questionnaire required by the WQMP. If members submit hardcopy questionnaires. LAILG manually inputs this information into the website database.

Outreach to members is tailored to individual member requirements, including their most convenient form of communication. The best form of communication for each member is collected and recorded by LAILG. General communications are done with the website, mass emails, individual emails, phone calls, and/or mailers, depending on member requests.

LAILG assists with the preparation of individual, site specific maps for each enrolled grower who provided sufficient data to locate their property. Maps include specific instructions and a legend so growers can point out key features on their property, such as: drainage ditches and stormwater discharge locations, fertilizer and pesticide storage areas, soil piles and compost areas, potting areas, quarantine areas, and structural BMPs installed at the property. Whenever LAILG staff visits a new facility, a map is completed per the standards listed above. This will allow LAILG to get a more comprehensive picture of each growing facility, standard property uses, and assist with any future sampling that may take place at sites.

Examples of current outreach materials and maps are included in Appendix C.

7.3 EDUCATION REQUIREMENTS

In 2020, in-person continuing education events were postponed due to the COVID-19 outbreak. In the meantime, LAILG has launched an online portal to offer continuing education courses until in-person classes are once again permitted. These classes are pre-recorded and will include quizzes with a mandatory passing rate of 70% to receive credit. Members will have access to each presentation after they complete each course indefinitely for review. Live webinars may also be offered to members in the future. Login information to the private website has been provided to the LARWQCB Irrigated Lands Program staff and is available upon request.

Mandatory educational events will continue to be provided per Waiver requirements. The ultimate goal of the LAILG is to use more field training as continual education in order to further engage growers in the BMP implementation process. LAILG will pursue opportunities for grant money in order to pursue installations, including field training, of future BMPs.

7.4 ONGOING WQMP IMPLEMENATION ISSUES

NGA enrollment has shown a constant and significant decline in enrolled acres over the last 3 years. Since the 2017 AMR report, total acres enrolled in the program has declined 44.5% and irrigated acres has declined 38.3%. During the last year alone, 47 individual locations have been removed from the group due to non-payment, total enrolled acres has declined 37.0%, and irrigated acres has declined 16.4%. Further compounding the issue of lost land and revenue is a lack of grower response to the paperwork required for the WQMP process. Two significant issues at this time are from land that is under third party control and a general lack of enforcement activity from the LARWQCB.

LADWP and SCE

The Los Angeles Department of Water & Power (LADWP) pays dues for all its agricultural parcels and is reimbursed by the growers. This is beneficial to LAILG because the Program Manager does not need to seek payment from over 100 different growers. As part of this agreement, LADWP does not allow LAILG to communicate with growers directly. LADWP sends all correspondence themselves and only allows growers to contact LAILG if they need assistance. To date, approximately 81% of the accounts that have not completed the required paperwork are LADWP parcels. LAILG has offered to communicate with growers in hopes of getting paperwork completed but has been denied by LADWP several times. Assistance from the LARWQCB with outreach to the LADWP or the issuance of Notices of Violations for not completing required paperwork would help with acquiring the necessary data.

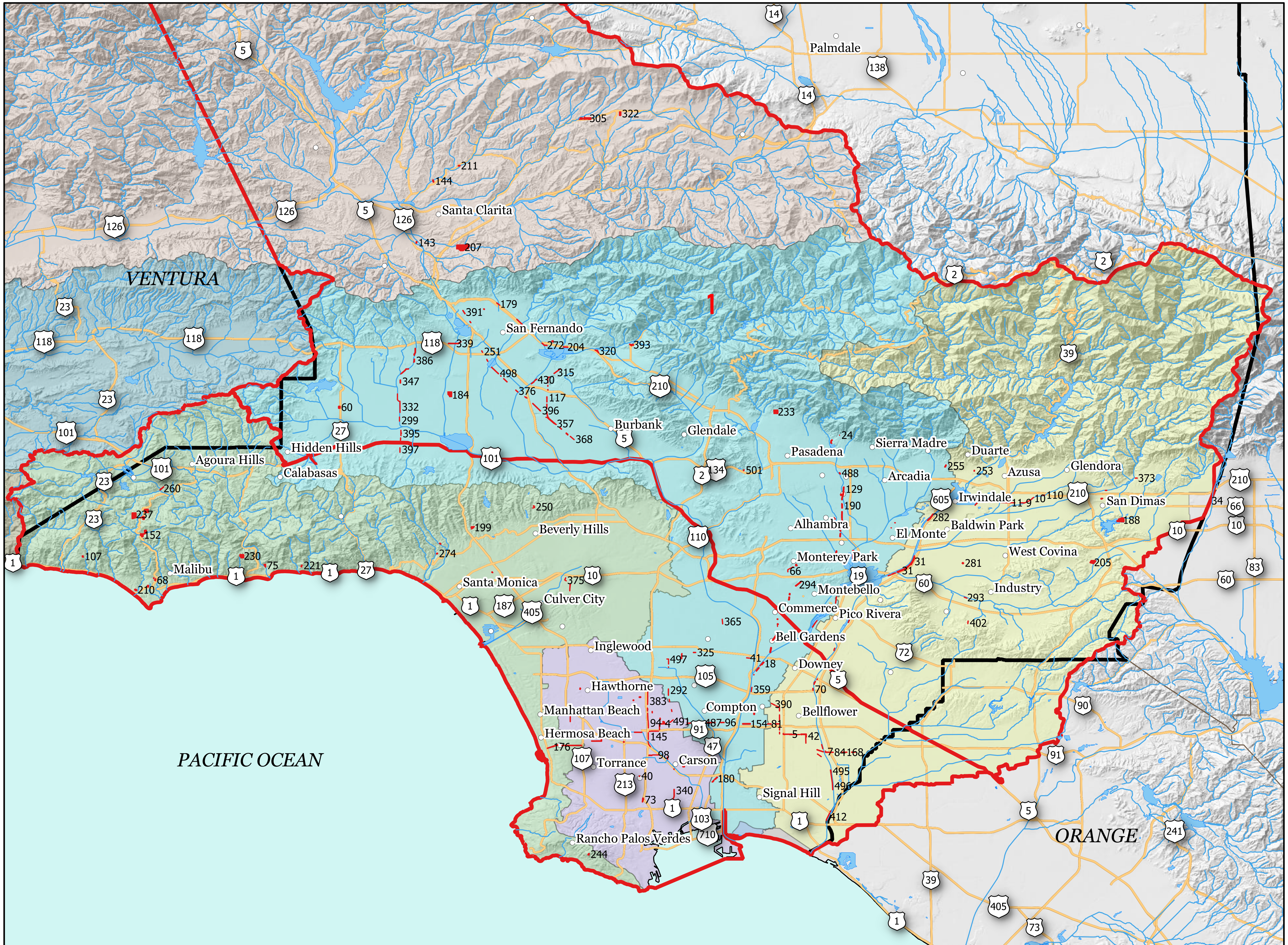
The LAILG also has growers on Southern California Edison (SCE) land. Currently there is no agreement in place with SCE. LAILG has attempted to contact growers in order to get paperwork completed with limited response. Assistance from the LARWQCB with outreach to the SCE or the issuance of Notices of Violations for not failure to enroll and/or completing required paperwork would help with acquiring the necessary data.

Enforcement

LAILG has dropped accounts that were previously enrolled but have not made a payment in over six months. The Water Board was given the list of unenrolled operations, so they could issue a Notice of Violation for not enrolling in the group. The first list of enrolled sites that were unpaid was sent to the Water Board in October of 2019. Another list was provided in August of 2020 after unpaid sites were unenrolled from the program. As of December 2020, Notices of Violations and outreach to the previous members for enrollment still have not been issued to growers on these lists.

FIGURE 1

Los Angeles County Irrigated Lands Group
Los Angeles Sampling Regions and Watersheds



Legend

- Enrolled Grower and Number
- Sampling Region 1
- Sampling Region 2
- LA County Boundary
- CA State Road and Numner
- Water Bodies
- Flowlines
- LA Cities

Watersheds

- Callegus Creek
- Dominguez Channel LA LB Harbor
- Los Angels River
- Misc. Ventura Coastal Stream
- Santa Clara River
- San Gabriel River
- Santa Monica Bay
- Ventura River

N W E S

0 5 10 M

Scale: 1 Inch = 5 Miles

Prepared by:

PACIFIC RIDGELINE

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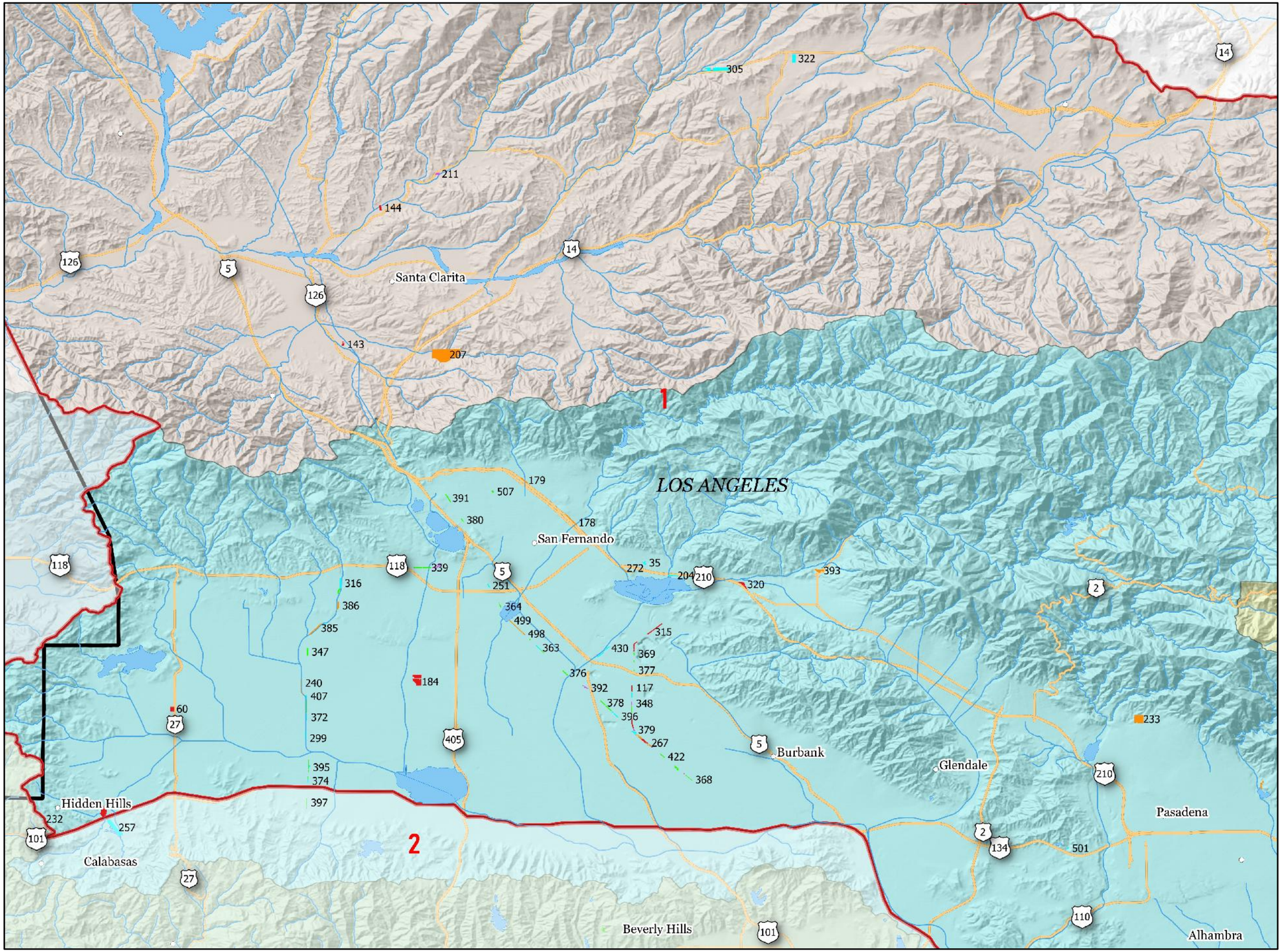
FIGURE 1.1 Los Angeles County Irrigated Lands Group Sampling Region 1, West Portion



Legend

- Sampling Region and Number
- CA State Roads and Numbers
- LA Cities
- LA County Boundary
- Streams

Enrolled Growers by Group

- Unknown (No Data)
- Micro Growers
- Small Growers
- Medium Growers
- Large Growers

Watersheds

- Dominguez Channel LA LBHarbor
- Los Angels River
- Santa Clara River
- San Gabriel River
- Santa Monica Bay
- Ventura River
- Misc. Ventura Coastal Stream
- Callegus Creek

N
W E
S

0 2.5 5 M

Scale: 1 Inch = 2.5 Miles

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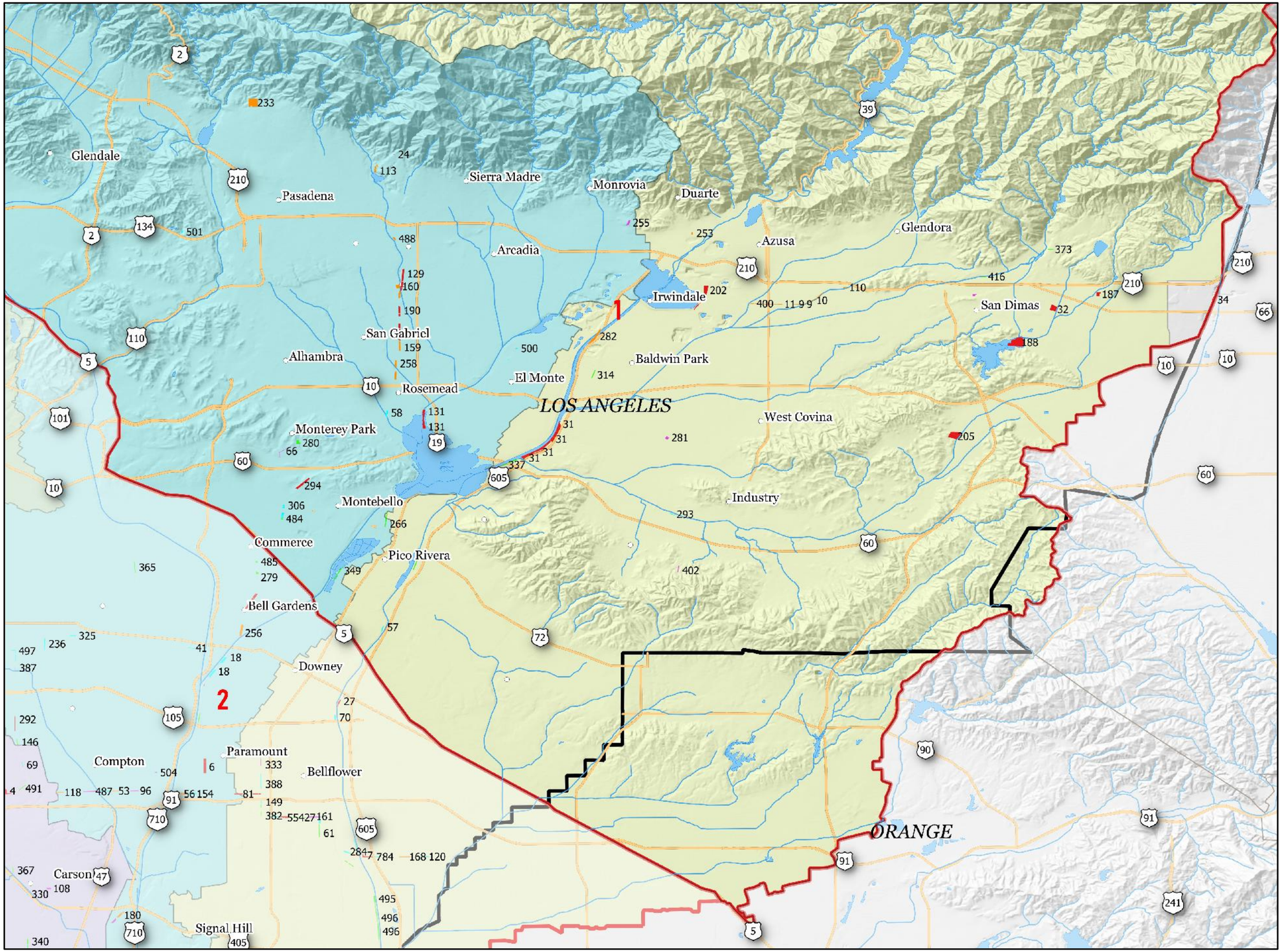
FIGURE 1.2 Los Angeles County Irrigated Lands Group Sampling Region 1, East Portion



Legend

- Sampling Region and Number
- LA Cities
- Streams
- CA State Roads and Numbers
- LA County Boundary

Enrolled Growers by Group

- Unknown (No Data)
- Micro Growers
- Small Growers
- Medium Growers
- Large Growers

Watersheds

- Dominguez Channel LA LBHarbor
- Los Angels River
- Santa Clara River
- San Gabriel River
- Santa Monica Bay
- Ventura River
- Misc. Ventura Coastal Stream
- Callegus Creek

N
W E
S

0 2.5 5 M

Scale: 1 Inch = 2.5 Miles

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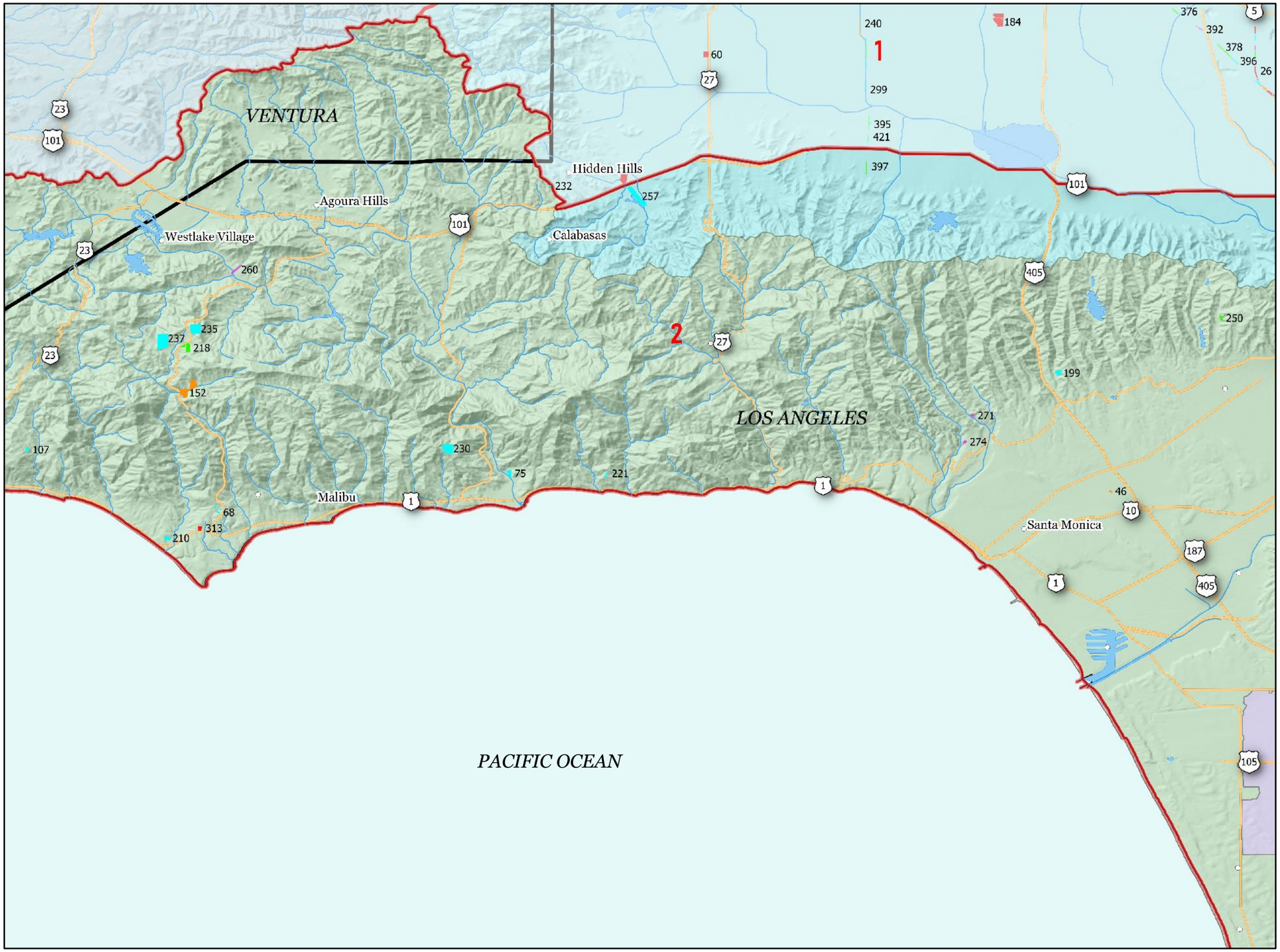
FIGURE 1.3

Los Angeles County Irrigated Lands Group
Sampling Region 2, West Portion



Legend

- Sampling Region and Number
- LA Cities
- Streams
- CA State Roads and Numbers
- LA County Boundary

Enrolled Growers by Group

- Unknown (No Data)
- Micro Growers
- Small Growers
- Medium Growers
- Large Growers

Watersheds

- Dominguez Channel LA LBHarbor
- Los Angels River
- Santa Clara River
- San Gabriel River
- Santa Monica Bay
- Ventura River
- Misc. Ventura Coastal Stream
- Callegus Creek

N
W E
S

0 2.5 5 M

Scale: 1 Inch = 2.5 Miles

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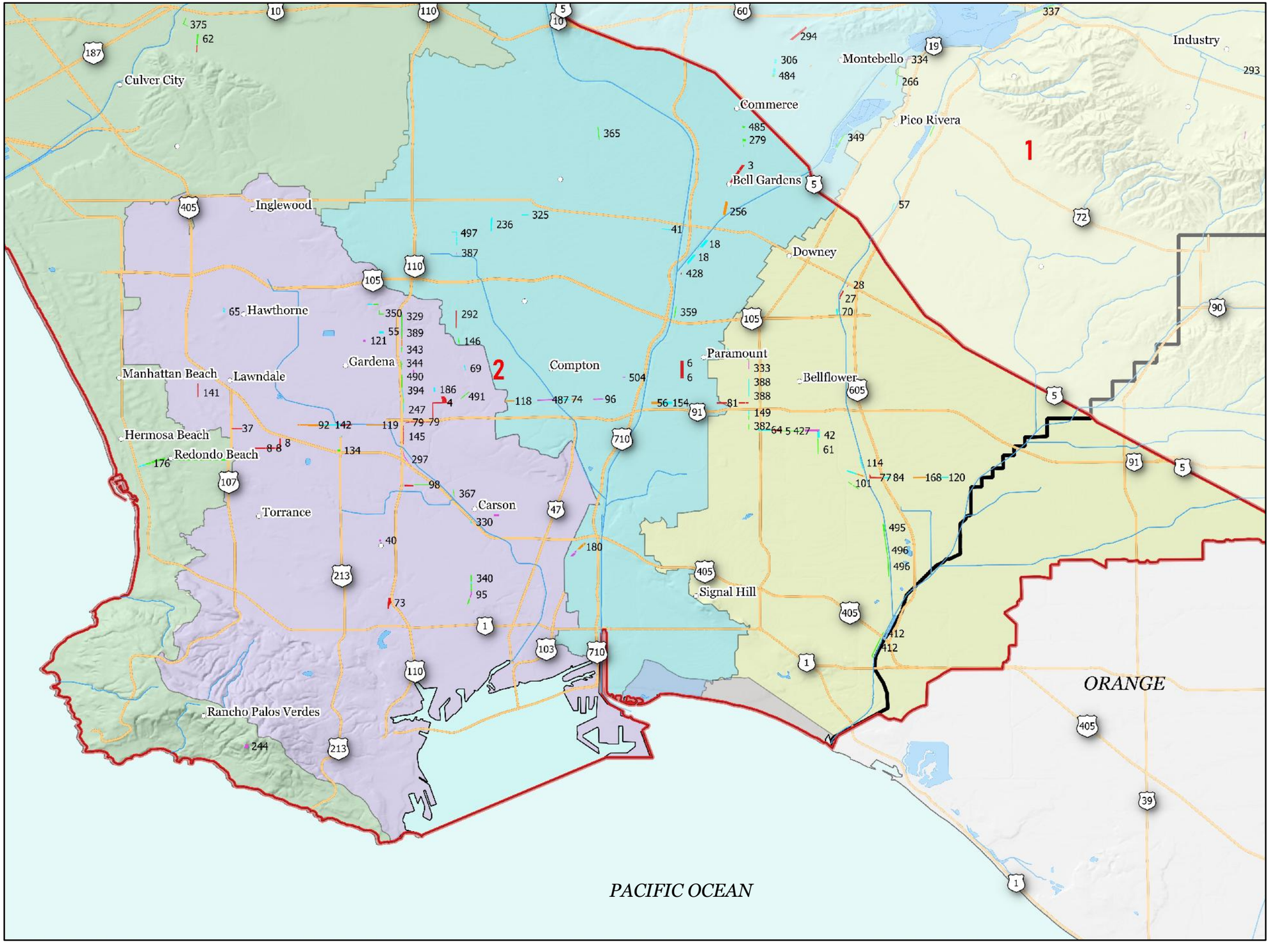
FIGURE 1.4

Los Angeles County Irrigated Lands Group
Sampling Region 2, East Portion



Legend

- Sampling Region and Number
- LA Cities
- Streams
- CA State Roads and Numbers
- LA County Boundary

Enrolled Growers by Group

- Unknown (No Data)
- Micro Growers
- Small Growers
- Medium Growers
- Large Growers

Watersheds

- Dominguez Channel LA LBHarbor
- Los Angels River
- Santa Clara River
- San Gabriel River
- Santa Monica Bay
- Ventura River
- Misc. Ventura Coastal Stream
- Callegus Creek

N
W E
S

0 2.5 5 M

Scale: 1 Inch = 2.5 Miles

Prepared by:

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APPENDIX A

UPDATED LIST OF LOS ANGELES COUNTY IRRIGATED LANDS GROUP, AS OF JANUARY 31, 2019

NGA #	GROUP	SAMPLING REGION	NUTRIENT GROUPING	PESTICIDE GROUPING	WATER GROUPING	OWNER/ TENANT	OPERATOR/ CONTACT	PARCEL			DWP/SCE	CROP TYPE	WATERSHED	ACREAGE		PAPERWORK			EDUCATION				GROUP DUES			
								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
3	Large	S	Average	High	Average	ABC Nursery, Inc.	Eric Yonemura	6329-001-800 6329-001-801 6330-019-801 6330-019-800	6800 Darwell Ave.	Bell Gardens	SCE	GO	LA	22.21	8.95	X	X	X	X	X	X		X	X	X	X
4	Large	S	High	High	Average	ABC Nursery, Inc.	Eric Yonemura	6126-011-028 6126-011-029 6126-011-035 6126-011-036 6126-011-800	424 E. Gardena Blvd.	Gardena	SCE	GO	D	19.19	10.51	X	X	X	X	X	X		X	X	X	X
6	Large	S	High	High	High	ABC Nursery, Inc.	Eric Yonemura	6240-008-800 6240-008-801 6240-008-802	7132 Somerset Blvd.	Paramount	SCE	GO	LA	9	4.37	X	X	X	X	X	X		X	X	X	X
7	Large	S	High	High	Low	ABC Nursery, Inc.	Eric Yonemura	7049-021-800 7049-021-801 7049-021-802 7049-021-803 7049-021-802 7049-021-800	20200 Studebaker	Cerritos	SCE	GO	SG	13.84	7.3	X	X	X	X	X	X		X	X	X	X
8	Large	S	High	High	High	ABC Nursery, Inc.	Eric Yonemura	4089-009-800 4089-016-802 4089-016-800 4089-011-801 4089-011-800 4089-010-800 4089-009-800 4089-010-800 4089-011-800 4089-011-801 4089-017-800 4089-016-802 4089-016-800	18601 Yukon Avenue	Torrance	SCE	GO	D	21.97	8.95	X	X	X	X	X	X		X	X	X	X
9	Medium	N	Low	Average	High	Acosta Growers Inc.	Heriberto Acosta	8622-022-270 8622-012-271 8622-013-270	5359 Citrus Ave	Azusa	DWP	GO	SG	3	3.66	X	X	X	X	X	X	X	X	X	X	X
10	Medium	N	Low	Average	Low	Acosta Growers Inc.	Heriberto Acosta	8630-008-274	1050 E Gladstone St	Azusa	DWP	GO	SG	7	4.62	X	X	X	X	X	X	X	X	X	X	X
11	Medium	N	Low	Average	Average	Acosta Growers Inc.	Heriberto Acosta	8620-024-273	669 S Azusa Ave	Azusa	DWP	GO	SG	3.3	3.3	X	X	X	X	X	X	X	X	X	X	X
18	Small	S	Average	Average	High	A.Y. Nursery, Inc.	Hugo Ayon	6233-003-803 6233-003-802 6233-003-800 6232-016-801 6232-016-800 6232-016-802 6232-017-804 6232-017-803	10115 South Garfield Ave	South Gate	SCE	GO	LA	4.5	3.5	X	X	X		X			X	X	X	X
19	Large	N	High	High	High	Boething Treeland Farms, Inc.	Bruce Pherson	2047-001-004 2047-001-001 2047-001-005 2047-001-002 2044-020-022 2047-001-001 2047-001-002 2047-001-004 2047-001-005	23475 Long Valley Road	Woodland Hills	Other	GO	LA	32	14.68	X	X	X					X	X	X	X
24	Micro	N	High	Low	Low	Calscape Growers	Dan Robinson	5860-004-004	2103 Villa Heights Rd	Pasadena	Other	GO	LA	0.25	0.2	X	X	X	X	X	X	X	X	X	X	X
26	Large	N	Low	High	High	Moon Valley Nurseries	Armando Rodriguez	2317-019-900 2317-018-900 2317-017-900	11745 Sherman Way	North Hollywood	DWP	GO	LA	5.3	5.3	X	X	X	X		X		X	X	X	X
27	Large	S	High	High	Low	Certified Plant Growers, Inc.	Tom Miesen	8021-020-800 8021-008-806 8021-008-802 8021-008-801 8021-008-902	10400 Downey/Norwalk Rd	Norwalk	Other	C	SG	10	5	X	X	X	X		X	X	X			

NGA #	GROUP	SAMPLING REGION	NUTRIENT GROUPING	PESTICIDE GROUPING	WATER GROUPING	OWNER/ TENANT	OPERATOR/ CONTACT	PARCEL			DWP/SCE	CROP TYPE	WATERSHED	ACREAGE		PAPERWORK			EDUCATION				GROUP DUES			
								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
31	Large	N	Low	High	Low	Moon Valley Nurseries	Armando Rodriguez	8110-029-910 8110-029-904 8110-029-905 8110-029-906 8110-029-907 8110-029-908 8115-002-908 8115-002-907 8115-002-906 8115-002-800 8115-002-905 8115-002-904 8115-002-801 8115-001-801 8115-001-908 8115-001-800 8115-001-909	285 San Fidel St	La Puente	Other	GO	SG	62	48	X	X	X	X		X		X	X	X	X
32	Large	N	Low	High	Average	Moon Valley Nurseries	Armando Rodriguez	8381-009-014 8381-009-002	3000 B Street	La Verne	Other	GO	SG	20	15	X	X	X	X		X		X	X	X	X
34	Large	N	High	High	High	Corey Nursery Co.	Jeff Corey	8307-002-032	1650 Monte Vista Avenue	Claremont	Other	GO	SG	6.8	3	X	X	X	X	X	X	1	X	X	X	X
35	Small	N	Average	High	High	C Grows	John Ridgeway	2530-003-017 2530-003-018	11545 Kagel Canyon St	Sylmar	Other	GO	LA	3.54	2.6	X	X	X		X	X	X	X	X	X	X
37	Large	S	Average	Low		Moon Valley Nurseries	Armando Rodriguez	4085-026-800	17715 Amie Ave.	Torrance	Other	IP	D	3.75	3.75				X		X		X	X	X	X
41	Small	S	Low	High	Low	Esequiel Nursery	Esequiel Hernandez	6222-005-273	9000 Atlantic Ave	South Gate	DWP	GO	LA	2.5	2.46	X	X	X		X		X	X	X	X	X
42	Small	S	Average	Low		Fausto's Nursery	Fausto Garcia	7165-020-270 7165-020-800	5759 Allington St	Lakewood	SCE	GO	SG	4.5	2.4	X	X	X					X	X		
45	Medium	N	Low	Low	Average	Shima Nursery	Frank Tsushima	5389-006-807	8625 Grand Ave	Rosemead	Other	GO	LA	2.8	1.3	X	X	X					X	X	X	
46	Medium	S	Low	Average	High	F.K. Nursery, Inc.	Eric Kageyama	4261-037-001 4261-037-005 4261-037-006 4261-037-007 4261-037-004 4261-037-008	2027 Colby Ave	Los Angeles	Other	GO	SM	1.46	0.92	X	X	X					X	X	X	X
50	Small	N	Average	Low	Low	Carreon Nursery	Guadalupe Carreon	5277-023-802 5277-023-803 5277-023-804 5277-023-805	7900 La Merced Road	Rosemead	SCE	GO	LA	6.16	6	X	X	X	X	X	X		X	X	X	X
53	Medium	S	Average	Low	Low	New West Growers, Inc.	Grace Hernandez	7318-004-803	1601 S. Santa Fe Ave	Compton	SCE	GO	LA	2	1.7	X	X	X					X	X	X	X
54	Medium	S	Average	Low	Average	New West Growers, Inc.	Grace Hernandez		110 West Greenleaf	Compton	SCE	GO	LA	8	5	X	X	X					X	X	X	X
55	Small	S	Low	Low		Moneta Nursery, Inc.	Gary Ishii	6115-019-043 6115-019-044 6115-019-045 6115-019-042	13633 South Vermont Avenue	Gardena	Other	M	D	4.75	3	X	X	X					X	X	X	X
56	Medium	S	Low		Average	Ricardo's Nursery	Ricardo Arrivillaga	7116-016-802 7116-016-801	6850 Atlantic Ave	Long Beach	SCE	GO	LA	9	5	X	X	X	X	X			X	X	X	
57	Small	N	Low	Low	Average	LA Sanchez Nursery	Eusebio Sanchez	6385-005-800 6385-005-801 6385-016-800 6385-016-801	8406 Pico Vista Dr.	Pico Rivera	SCE	GO	SG	4	1.5	X	X	X								
58	Small	N	Low	Low		GM Nursery	Juan Diaz	5283-015-806 5283-016-804	2563 Angelus Ave	Rosemead	SCE	GO	LA	4	3	X	X	X					X			
60	Large	N	High	Average	Low	Green Thumb Nursery	Frank Soriano	2012-022-012 2012-022-015 2012-022-011 2012-022-010 2012-022-014 2012-022-007	7659 Topanga Canyon Blvd	Canoga Park	Other	GO	LA	19	10	X	X	X	X	X	X		X	X	X	X
61	Unknown	S				My Hoa Farm	Han Luong	7165-012-282 7165-013-274	5760 Allington Street	Lakewood	DWP	R	SG	3.65	3.65	X			X				X	X	X	X
62	Unknown	S				Hernandez Nursery	Eric Hernandez	5047-014-902	5501 Rodeo Rd	Los Angeles	DWP	GO	SM	3	2.7					X			X	X	X	X
64	Small	S	High	Average	High	H&H Nursery	Robert Reyes	7168-033-800 7168-033-801 7168-033-274 7168-033-289 7168-033-285	6220 Lakewood Boulevard	Lakewood	SCE	M	SG	5.5	2.5	X	X	X	X	X	X	X	X	X	X	X

NGA #	GROUP	SAMPLING REGION	NUTRIENT GROUPING	PESTICIDE GROUPING	WATER GROUPING	OWNER/ TENANT	OPERATOR/ CONTACT	PARCEL			DWP/SCE	CROP TYPE	WATERSHED	ACREAGE		PAPERWORK			EDUCATION				GROUP DUES			
								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
65	Small	S	Average	Average	Low	Hawthorne Nursery, Inc.	Kei Nakai	4041-013-015 4041-013-016 4041-013-017 4041-013-018 4041-013-019 4041-013-014 4041-013-013 4042-031-010 4042-031-009 4042-031-008 4042-031-007 4042-031-006 4042-031-005	4519 W. El Segundo Bl	Hawthorne	Other	GO	D	2.87	2.5	X	X	X	X	X	X	X	X	X	X	X
66	Micro	N	Average	Low	Low	Hill Grove Nursery	Raul Mejia	5266-018-801 5266-017-802 5266-017-800 5262-028-800 5263-029-800	450 West Almora	Monterey Park	Other	GO	LA	3.5	2	X	X	X			X		X	X	X	X
305	Small	N	Outlier	Low	Low	Alonso Family Vineyard	Juan Alonso	3214-043-017 3214-043-027 3214-020-064 3214-020-044	12625 Sierra Hwy	Santa Clarita	Other	V	SC	39	6.5	X	X	X		X			X	X	X	
69	Small	S	High	Average	Average	Humedo Nursery	Martin Torres	6139-004-271 6139-004-273	860 East Redondo Beach Blvd.	Compton	DWP	GO	D	2	1.91	X	X	X	X	X	X		X	X	X	X
70	Small	S	High	Average	Average	Humedo Nursery	Martin Torres	6283-024-801	10040 Imperial Highway	Downey	Other	GO	SG	3	2.2	X	X	X	X	X	X		X	X	X	X
73	Large	S	Average	High	Average	International Plant Growers, Inc.	Peter Landowski	7409-020-009	24500 Vermont Ave	Harbor City	Other	C	D	7	4	X	X	X	X	X		X	X	X	X	X
74	Small	S	Low	Low		Jorge's Nursery	Jorge Alcaraz	7318-003-809 7318-003-808 7318-003-811 7318-003-807	100 E Greenleaf Blvd	Compton	SCE	GO	LA	6.5	5	X	X	X					X	X	X	
75	Small	S	Average	Low	Low	Bridgeman Ranch	Alexandre Bridgeman	4452-014-006	3415 Cross Creek Rd	Malibu	Other	O	SM	9.92	5	X	X	X					X	X	X	X
78	Large	S	Average	Average	Average	Centeno's Nursery & Landscaping	Jessica Centeno	6106-013-800	17600 S. Western Ave	Gardena	SCE	GO	D	4.39	3	X	X	X		X	X		X	X	X	X
79	Large	S	Average	High	Low	Centeno's Nursery & Landscaping	Jessica Centeno	7339-006-800 7339-002-803 7339-003-801 7339-003-800 7339-007-802	17514 S. Figueroa Street	Gardena	SCE	GO	D	7.7	6	X	X	X		X	X		X	X	X	X
81	Large	S	Average	Average	Low	Centeno's Nursery & Landscaping	Jessica Centeno	7113-014-800	6850 N. Paramount Blvd	Long Beach	SCE	GO	SG	4.7	3	X	X	X		X	X		X	X	X	X
84	Small	S	Low	Low		Cerritos Growers	Jose de Jesus Gallo	7050-005-800 7050-005-801	19805 Gridley Rd	Cerritos	Other	GO	SG	3.5	3	X	X	X					X	X	X	X
91	Medium	S	High	Average	Low	Kobata Growers, Inc.	Milagros Mayesh	4096-005-800 4096-005-801 4096-005-802	17622 Van Ness Avenue	Torrance	SCE	GO	D	1.01	1.01	X	X	X					X	X	X	
92	Medium	S	Low	Average	Low	Kobata Growers, Inc.	Milagros Mayesh	4095-001-800 4095-001-802	17629 Van Ness Avenue	Torrance	SCE	C	D	6.5	6.5	X	X	X					X	X	X	
94	Unknown	S				Gardena Nursery & Landscape Ma	Janet Mercado	6121-004-901	551 W. 168th Street	Gardena	DWP	GO	D	1.6	1.6								X	X	X	X
95	Micro	S	Low		Average	Wilmington Nursery	Juan Ramirez	7404-034-900	Deloras Dr. & Wilmington Ave.	Carson	DWP	GO	D	3.01	3.01	X	X	X					X	X	X	X
96	Micro	S	Low	Average	Average	Ruiz Nursery	Jose Ruiz	7304-024-802 7304-024-801 7304-024-800 7304-012-803 7304-012-804 7304-012-805 7304-012-806 7304-012-807 7304-012-808 7304-012-809 7318-006-801	7045 N. Long Beach Blvd	Long Beach	Other	GO	LA	4.16	2	X	X	X					X	X	X	
98	Unknown	S				Jauregui Nursery, LLC	Filiberto Jauregui	7336-009-271	20300 Main	Carson	DWP	GO	D	5	5								X	X	X	X
100	Unknown	S				Jauregui Nursery, LLC	Filiberto Jauregui	6120-025-900 6120-024-900	551 West Alondra	Gardena	DWP	GO	D	5.7	2.84								X	X	X	X
101	Unknown	S				Jauregui Nursery, LLC	Filiberto Jauregui	7048-021-271	6449 Del Amo Blvd.	Lakewood	DWP	GO	SG	3.1	1.23								X	X	X	X
106	Unknown	S				LOMITA PLANT GROWERS INC. / G	Jose Sanabria	7404-030-900	835 E Lomita Blvd	Wilmington	DWP	GO	D	3.03	3.03								X	X	X	X
218	Unknown	S				Cielo Farms Vineyard	Richard Hirsh	4464-008-045 4464-008-019 4464-008-044 4464-008-032	31424 Mulholland Highway	Malibu	Other	V	SM	27	10	X			X	X	X		X	X	X	X
108	Micro	S	Low	Low	Low	Marcelino Contreras	Marcelino Contreras	7326-019-800	Vera and E 213th St.	Carson	Other	R	D	1	1	X	X	X					X	X	X	X

NGA #	GROUP	SAMPLING REGION	NUTRIENT GROUPING	PESTICIDE GROUPING	WATER GROUPING	OWNER/ TENANT	OPERATOR/ CONTACT	PARCEL			DWP/SCE	CROP TYPE	WATERSHED	ACREAGE		PAPERWORK			EDUCATION				GROUP DUES			
								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
110	Medium	N	Average	Average	Low	Glendora Gardens	Melina Ferrandino	8632-020-910 8632-020-912 8632-007-270 8632-016-270 8632-019-270 8632-020-282 8641-001-274	1135 S Grand Avenue	Glendora	DWP	M	SG	6.84	6.84	X	X	X	X	X			X	X	X	X
113	Medium	N	High	High	Average	Magic Growers, Inc.	Bob & Leilani Underwood	5751-022-801 5860-013-800 5857-035-901 5857-020-801	2795 Eaton Canyon Drive	Pasadena	SCE	GO	LA	8	8	X	X	X	X	X			X	X	X	
114	Small	S	Average	Average	Average	Mariposa Garden	Ron Hill	7049-014-904	6664 South Street	Lakewood	Other	GO	SG	4	3.61	X	X	X	X	X	X	X	X	X	X	X
117	Large	N				Nick's Nursery	Nicolas Alvarado	2310-006-900 2310-007-900	11800 Roscoe Blvd.	Sun Valley	DWP	GO	LA	3.4	3.4	X	X	X	X				X	X	X	X
118	Medium	S	High	Average	Low	C Stars Nursery, Inc.	Armida Torres	7319-002-806	1400 West Greenleaf Boulevard	Compton	SCE	C	LA	4.5	2.5	X	X	X					X	X	X	X
119	Medium	S	High	Average	Average	C Stars Nursery, Inc.	Armida Torres	6111-023-800	17654 South Normandie Ave.	Gardena	SCE	C	D	8	4	X	X	X					X	X	X	X
120	Small	S	Low	Low	High	Mi Jalisco Nursery	Oscar Hernandez	7056-013-800	19820 Norwalk Blvd.	Cerritos	Other	GO	SG	4.5	2								X	X	X	X
121	Micro	S				Nakayama Nursery Inc.	Kathy Nakayama Lee	6115-013-007 6115-013-008 6115-013-009 6115-013-010 6115-013-011	1341 W. 141st Street	Gardena	Other	GO	D	0.75	0.75	X		X					X	X	X	X
125	Large	N	High	High	High	Norman's Nursery, Inc.	Nancy Norman	5387-037-800 5388-036-800 5388-036-801 5388-038-802 5388-038-803 5388-038-800 5388-038-801	8850 E Broadway	San Gabriel	SCE	GO	LA	10.4	7	X	X	X	X	X	X		X	X	X	X
129	Large	N	High	High	High	Norman's Nursery, Inc.	Nancy Norman	5376-008-800 5376-008-801 5376-008-802	8633 Duarte Rd	San Gabriel	SCE	GO	LA	12.49	9.73	X	X	X	X	X	X		X	X	X	X
131	Large	N	High	High	High	Norman's Nursery, Inc.	Nancy Norman	5282-031-901 5282-031-900 5282-028-904 5282-028-902 5282-028-903	1601 Loma Ave	El Monte	Other	GO	LA	9.13	7.3	X	X	X	X	X	X		X	X	X	X
132	Large	N	High	High		Norman's Nursery, Inc.	Nancy Norman	5381-009-814 5381-009-815 5381-009-816 5381-009-817 5381-015-805	8624 Duarte Rd South	San Gabriel	SCE	GO	LA	8.63	6.5	X	X	X	X	X	X		X	X	X	X
134	Unknown	S				Sempervirens Botanical Company	John Low	4096-001-054	18715 S Western Ave	Gardena	Other	C	D	2	1						X					
136	Small	S	Average	Average	High	Peter's Garden Center, Inc.	Peter Serrato	7502-006-802 7502-006-803 7502-004-806 7502-004-807 7502-001-803 7502-001-804 7502-001-802	814 N. Pacific Coast Hwy	Redondo Beach	SCE	M	SM	2.5	1	X	X	X	X	X	X	X	X	X	X	X
141	Large	S	High	High	High	Performance Nursery, Inc.	Tom Lucas	4151-012-800 4151-013-800 4149-006-801 4149-006-803 4149-006-805 4149-006-808 4149-006-810	2501 Manhattan Beach Blvd.	Redondo Beach	SCE	GO	D	4.78	3	X		X					X	X	X	
142	Small	S	Low	Low	Average	Sunflower Farms	Ron Akiyama	4096-005-007 4096-005-800	17609 S. Western Ave.	Gardena	Other	F	D	4	3.5	X	X	X					X	X		
143	Large	N	Low	Low		Green Landscape Nursery	Richard Green	2833-001-087 2833-004-097	22216 1/2 Placerita Canyon Rd	Santa Clarita	Other	GO	SC	4	3.75	X	X	X					X	X	X	X
144	Large	N	Low	Low		Green Landscape Nursery	Richard Green	2809-003-270	25235 Orchard Village Rd.	Valencia	Other	GO	SC	3	2	X	X	X					X	X	X	X
145	Large	S	Average	Average	High	Centeno's Nursery & Landscaping	Jessica Centeno	7339-008-913 7339-008-911	565 W. 189th Street	Gardena	DWP	GO	D	4.67	3.6	X	X	X		X	X		X	X	X	X
146	Unknown	S				Estanfor Nursery	Rafael Rangel	6134-039-270	1130 Stanford Ave	Compton	DWP	GO	LA	2.22	1.79								X	X	X	X
149	Small	S	Low	Low	High	Vargas Nursery	Oscar Vargas	7162-001-274	17020 Passage Ave	Bellflower	SCE	GO	SG	1.75	1.75	X	X	X					X	X	X	X
151	Large	S	Low	High	High	Rainforest Flora Inc.	Jerry Robinson	7522-006-800	19121 Hawthorne Blvd	Torrance	SCE	GH	D	5	1	X	X	X	X	X	X		X	X	X	X
244	Micro	S	Low	Low	Low	Clark Vineyard	Chris Shaver	7567-010-026	11 Packsaddle Rd East	Rolling Hills	Other	V	SM	0.9	0.7		X	X		X	X	1	X	X	X	X
154	Small	S				Rolling Hills Nursery	Esteban Villafana	7116-001-800	6944 Orange Ave	Long Beach	Other	GO	LA	8.5	5	X	X	X	X	X			X	X	X	X

NGA #	GROUP	SAMPLING REGION	NUTRIENT GROUPING	PESTICIDE GROUPING	WATER GROUPING	OWNER/ TENANT	OPERATOR/ CONTACT	PARCEL			DWP/SCE	CROP TYPE	WATERSHED	ACREAGE		PAPERWORK			EDUCATION				GROUP DUES			
								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
158	Medium	N	Average	High	High	Sakaida Nursery, Inc.	Mike Gutierrez	5381-015-802 5381-015-806 5381-015-807 5381-015-808 5381-015-809	8538-8601 Longden Ave	San Gabriel	SCE	GO	LA	7	6.89	X	X	X	X	X	X		X	X	X	
159	Medium	N	Average	High	Average	Sakaida Nursery, Inc.	Mike Gutierrez	5389-005-800 5389-005-803	8626 E Grand Ave	Rosemead	SCE	GO	LA	4.5	4	X	X	X	X	X	X		X	X	X	
160	Medium	N	Average	High	High	Sakaida Nursery, Inc.	Mike Gutierrez	5381-011-011	6544 N. Vista Street	San Gabriel	SCE	GO	LA	4	3	X	X	X	X	X	X		X	X	X	
161	Micro	S	High	Average	Average	Salco Growers	Frank Spina	7165-001-270 7165-001-271 7165-001-275 7165-001-272 7165-019-270 7165-001-011 7165-001-801 7165-001-800 7165-019-800 7165-019-801 7165-019-803 7165-019-804 7165-019-805	6236 Bellflower Rd	Lakewood	DWP	C	SG	3.83	3.83	X	X	X					X	X	X	X
164	Medium	N	Low	Average	Average	San Gabriel Nursery & Florist	Mary Swanton	5373-028-025 5373-028-026 5373-028-027 5373-028-028 5373-028-029 5373-028-036 5373-028-009 5373-028-010 5373-028-011 5373-028-012 5373-028-013 5373-028-014 5373-028-015 5373-028-016 5373-028-017 5373-028-018 5373-028-019 5373-028-020 5373-028-021	632 S San Gabriel Blvd	San Gabriel	Other	M	LA	2	1.89	X	X	X	X	X	X	X	X	X	X	X
168	Medium	S	Average	High	Average	S Y Nursery, Inc.	Patty Yasutake	7055-008-800	19900 S Pioneer Blvd	Cerritos	SCE	GO	SG	6	4.75	X	X	X	X	X	X	1	X	X	X	X
171	Large	S				T-Y Nursery, Inc.	Terry Yasutake	7521-012-800 7521-001-802 7522-006-800 7520-009-801	Between Firmona Ave. / N. Beryl St.	Torrance	Other	GO	SM	21.25	13.5		X		X		X		X	X	X	X
176	Large	S				T-Y Nursery, Inc.	Terry Yasutake	7502-012-800 7502-008-804 7502-008-802 7502-008-805 7502-008-800 7502-013-800	Between Flagler Ln. / N. Paulina Ave.	Redondo Beach	Other	GO	SM	12	7.5		X		X		X		X	X	X	X
178	Large	N				Ultra Greens Nursery	Michael Lentz	2525-001-802 2525-001-801 2525-001-800	13102 Maclay Street	Sylmar	Other	GO	LA	10	8.5		X	X	X	X	X		X	X		
179	Large	N				Ultra Greens Nursery	Michael Lentz	2504-009-800	14025 Polk Street	Sylmar	Other	GO	LA	1.5	1.23		X	X	X	X	X		X	X		
180	Medium	S	High	High	High	United Plant Growers	Jose Gomez	7311-013-800 7311-017-800	3698 Caspian Avenue	Long Beach	SCE	C	LA	7.3	5.8	X	X	X	X	X	X	X	X	X	X	X
184	Large	N	Low	Low	Low	Valley Sod Farm, Inc.	Dan Gibson	2689-002-910 2689-002-909	16405 Chase Street	North Hills	Other	S	LA	16.5	16.5	X	X	X	X	X		1	X	X	X	X
186	Small	S	Average	Average	Average	I.T. Nursery Inc	Wayne Tagawa	6125-014-003	256 East Alondra	Gardena	Other	GO	D	2.75	1.75	X	X	X					X	X	X	
187	Large	N	High	Average	High	West Covina Wholesale Nursery	Dave Zylstra	8666-021-902 8666-021-904	2820 Amherst Ave	La Verne	Other	GO	SG	5	4.5	X	X	X	X	X	X		X	X	X	X
188	Large	N	Average	High	Low	West Covina Wholesale Nursery	Dave Zylstra	8378-022-910	West end of Puddingstone West off of Fairplex at Bracket Field / 1420 Puddingstone Dr.	La Verne	Other	GO	SG	20	15.25	X	X	X	X	X	X		X	X	X	X

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								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
190	Large	N				West Covina Wholesale Nursery	Dave Zylstra	5386-015-800 5386-015-801 5386-015-802 5386-015-803 5387-004-801 5387-004-800 5387-004-802 5387-004-803	5820 Burton Ave.	San Gabriel	SCE	GO	LA	15	15	X	X	X	X	X	X		X	X	X	X
250	Unknown	S				Greene-Lania Vineyard	Jeff Greene	4387-028-008	9505 Lania Ln.	Beverly Hills	Other	V	SM	5	3								X	X	X	X
200	Large	S	Average	Average	Low	C&S Nursery, Inc.	Santiago Rosales II	5025-006-900	3615 Hauser Bl	Los Angeles	DWP	GO	SM	2.46	2.46	X	X	X		X	X		X	X	X	X
202	Large	N	Average	High	High	El Nativo Growers, Inc.	James Campbell	8533-010-909 8619-002-903 8533-012-908	200 S. Peckham	Azusa	Other	GO	SG	13	10	X	X	X		X	X		X	X	X	X
204	Small	N	High	Average	Low	Worldwide Exotics Inc.	Michelle Jennings	2528-025-800	11157 Orcas Avenue	Lake View Terrace	SCE	GO	LA	6.8	2	X	X	X	X		X		X	X	X	X
205	Large	N	High	High	High	California State Polytechnic Univer	Duncan McKee	8709-023-908 8709-023-907 8709-023-910	3801 W. Temple	Pomona	Other	M	SG	1,200.00	70	X	X	X	X	X	X		X	X	X	X
207	Medium	N	Low	Average		Golden Oak Ranch	Steve Sligh	2848-010-020	19802 Placerita Canyon Rd	Newhall	Other	M	SC	890	70	X	X	X					X	X	X	X
210	Small	S	Low	Average		Hevadu	Megan Cunha	4469-021-032	6415 Busch Drive	Malibu	Other	V	SM	8	2.75	X	X	X		X	X	1	X	X	X	
211	Micro	N	Low	Low		Barranquillas Nursery	Rosalina Malta	2812-005-016	28920 Bouquet Canyon Road	Saugus	Other	GO	SC	2.5	2	X	X	X					X	X	X	X
68	Small	S	Low	Average		Hoyt Family Vineyards	Carol & Steven Hoyt	4467-018-025	5929 Kanan Dume Rd	Malibu	Other	V	SM	1.5	0.8	X	X	X	X	X	X		X	X	X	
235	Small	S				Malibu Rocky Oaks Vineyard	Howard Leight	2058-017-025	340 Kanan Road	Malibu	Other	V	SM	37	9	X			X	X	X		X	X	X	
225	Small	S	Low	Average	Low	Caro's Ridge	David Valdez	4467-018-038	5950 Cavalleri Rd	Malibu	Other	V	SM	3.75	2	X	X	X					X	X	X	X
226	Micro	N	Average	High	Low	Choji Matsushita	Richard Matsushita	8392-014-036 8392-014-035	724 N. Cataract Avenue	San Dimas	Other	F	SG	3.8	1.7	X	X	X	X	X			X	X	X	X
230	Small	S	Low	Average	Low	Rancho Mar LLC	Bob Tobias	4457-004-048	2621 Malibu Canyon Road	Malibu	Other	M	SM	40	5	X	X	X	X	X	X		X	X	X	X
271	Micro	S		Low	Low	Melhill Vineyards	Jeff Lotman	4432-011-045	1805 Melhill Way	Los Angeles	Other	V	SM	0.3	0.3	X	X	X		X	X	1	X	X	X	X
233	Medium	N	Outlier	High	Low	Nuccio's Nursery, Inc.	Julius Nuccio	583-0018-003	3555 Chaney Trail	Altadena	Other	GO	LA	78	5	X	X	X	X				X	X	X	X
401	Micro	S	Low			Montage Vineyards	John Gooden		27326 Winding Way	Malibu	Other	V	SM	3.4	0.75	X		X	N/A	X	X	1	X	X	X	X
236	Small	S	Low	Low	Low	Amigos Nursery, LLC	Sergio Vasquez	6049-008-278 6049-009-282 6049-009-285 6049-018-291 6049-018-292 6043-032-270 6043-032-272 6043-032-275 6044-007-902	1420 E. 92nd Street	Los Angeles	DWP	GO	LA	12.86	12.78	X	X	X	X	X	X	X	X	X	X	X
237	Small	S	Low	Low	Low	Saddlerock Ranch / The Semler Co	Ronald H. Semler	2058-016-008 2058-016-022	31727 Mulholland Hwy	Malibu	Other	M	SM	90	24	X	X	X	X	X			X	X	X	
239	Medium	N	Low	Low		California Nurseries	Jose Gutierrez	2644-002-900 2644-002-904 2644-002-905 2644-004-900 2644-004-901 2644-004-902 2644-004-903	14301 Van Nuys Blvd	Arleta	DWP	GO	LA	4.27	4.27	X	X	X		X	X		X	X	X	X
240	Medium	N	Low	Low		California Nurseries	Jose Gutierrez	2784-009-902	18955 Roscoe Blvd	Northridge	DWP	GO	LA	2.5	2.5	X	X	X		X	X		X	X	X	X
199	Small	S	Low	Average	Low	Moraga Vineyards	Scott Rich	4368-005-025 4368-006-007 4368-024-020 4368-024-025	1070 Moraga Dr.	Los Angeles	Other	V	SM	14	6.2	X	X	X		X	X		X	X	X	X
246	Small	S	Average	Average	Low	Dolin Malibu Estates	Elliott Dolin	4467-018-045	5970 Cavalleri Rd	Malibu	Other	V	SM	1.8	0.8	X	X	X	X	X			X	X	X	
247	Small	S	Average	Low	High	Fuku Bonsai Nursery	Juan Duran	6121-003-902 6121-002-901	560 W. 168th St.	Gardena	DWP	GO	D	2.2	2.2	X	X	X					X	X		X
152	Medium	S	Low	Average	Low	Rancho Escondido Vineyard	George Rosenthal	4464-027-018 4464-027-013	Newton Cyn & Kanan Rd	Malibu	Other	V	SM	40	25	X	X	X	X	X	X		X	X	X	X
251	Small	N	Average	Low	Low	Kenyon Landscape	Kenny Unger	2615-010-901	14899 Chatsworth Dr.	North Hills	DWP	GO	LA	2	1.64	X	X	X					X	X	X	X
253	Medium	N	Low		High	Landscape Warehouse Nursery &	Jose Robles	8610-001-800	2800 Royal Oaks Dr	Duarte	SCE	GO	SG	2	1.25	X	X	X					X	X	X	X
255	Micro	N	Outlier	Average	Low	Organicado	Lily Peratoner	8527-025-022	460 Old Ranch Rd	Bradbury	Other	O	LA	2.5	1	X	X	X					X	X	X	X
256	Medium	S	Low	Average	High	Pro Growers, Inc.	Sal Mora	6230-023-801 6230-023-800	8303 S. Scout Ave	Bell Gardens	SCE	GO	LA	13	8	X	X	X	X	X	X		X	X	X	X
257	Small	S	Low	Low	Average	Scarborough Farms	Ann Stein	2068-001-003	23302 Mulholland Dr	Woodland Hills	Other	R	LA	7	6	X	X	X					X	X	X	
258	Medium	N	Average	Average	Low	Shima Nursery	Frank Tsushima	5372-020-804 5372-020-801	8521 Valley Blvd.	Rosemead	Other	GO	LA	7.8	4	X	X	X					X	X	X	
259	Medium	N	Low	Average	Low	Shima Nursery	Frank Tsushima	5371-010-802	8500 E. Marshall	Rosemead	Other	GO	LA	4.67	2.2	X	X	X					X	X	X	
107	Small	S	Low	Average	Low	Riverview Farm/Dolphinhead Vine	Marty Cable	4472-028-022	3640 Noranda Lane	Malibu	Other	V	SM	1.8	0.75		X	X	X	X			X	X	X	X
265	Unknown	S				Chikugo-En Bonsai Nursery	Gary Ishii	6106-019-064 6106-019-063 6106-019-062	18110 S Western Ave	Gardena	Other	M	D	3	2								X	X	X	X

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								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
266	Unknown	N				Girasol Nursery	Angela Montoya	6373-016-270 6373-017-272 6373-016-906 5272-031-274 5272-032-271 5272-005-271 5272-005-273	8555 Spruce St	Pico Rivera	DWP	GO	LA	3	2.92	X	X	X		X	X		X	X	X	X
267	Large	N	Average	High	High	Jackson Shrub Supply, Inc.	Gary Jackson	2320-009-902 2320-006-907 2320-005-904 2320-005-903	11505 Vanowen St	North Hollywood	DWP	GO	LA	6.7	6.7	X	X	X		X			X	X	X	X
269	Micro	S				Rudy's Plants	Rudy Villareal	6129-004-024	336 W Redondo Beach Blvd	Gardena	Other	C	D	1.86	1	X	X	X	X				X	X	X	
270	Small	S	Average	Low	Low	Lucky Plants	Gerardo Ramirez	7404-001-278	902 E. Sepulveda Blvd	Carson	DWP	GO	D	0.82	0.82	X		X					X	X	X	X
285	Medium	S	Low	Average	Low	Rusack Vineyard/Kangaru Enterpri	Steven Gerbac	7480-043-020	1 El Rancho Escondido Rd.	Avalon	Other	V	SM	6.4	6	X	X	X					X	X	X	X
272	Medium	N	Average	High	Average	Paramount Nursery	Cecilio Cabral	2531-016-801 2530-006-800	11944 Terra Bella St	Sylmar	SCE	GO	LA	7	5	X	X	X	X				X	X	X	X
274	Micro	S	Low	Low	Low	SAM Trust- Amalfi Vineyard	Andrea Spencer	4425-005-032	1515 Amalfi Dr	Pacific Palisades	Other	V	SM	5	1	X	X	X	X				X	X	X	X
278	Small	N	High	Low	Low	Bertha's Gardens/Western Garder	Bertha Diehl	2731-024-901 2729-024-901	18451 Lassen St.	Northridge	DWP	GO	LA	1.21	1.21	X	X	X					X	X	X	X
279	Unknown	S				Castaneda Nursery	Salud Castaneda	6332-018-809 6332-018-811 6332-018-815 6332-018-818	6270 Slauson Ave	Commerce	SCE	GO	LA	8.5	8.5				X	X			X	X	X	X
280	Unknown	N				Castaneda Nursery	Salud Castaneda	5263-037-804 5263-037-801 5263-037-802 5263-037-805	1690 Isabella Ave.	Monterey Park	Other	GO	LA	5	4				X	X			X	X	X	X
281	Micro	N	Low	Low	Low	Fairgrove Nursery	Ruben Martinez	8471-002-804 8471-002-805	14855 Fairgrove Ave	La Puente	SCE	GO	SG	2.5	2	X	X	X	X				X	X	X	
282	Medium	N	Average	Low	High	Garden View Inc.	Julie Meahl	8535-020-902 8535-020-801 8535-020-800	12901 Lower Azusa Rd	Irwindale	SCE	GO	SG	10	5	X	X	X	X	X	X		X	X	X	X
283	Small	S	Average	Low	Low	Gardena Hills Nursery	Gilberto Lopez	6089-023-282	12597 S Budlong Ave	Los Angeles	DWP	GO	D	2	2	X	X	X					X	X	X	X
284	Small	S	Low	Low	High	House of Bonsai	Victoria Lee	7048-012-800 7048-012-801 7048-012-802	5214 Palo Verde Avenue	Lakewood	SCE	GO	SG	5	4	X	X	X					X	X	X	X
221	Small	S	Low	Average	Low	The Malibu Vineyard	Michael McCarty	4451-016-022 4451-016-050	3222 Rambla Pacifico	Malibu	Other	V	SM	2.5	2	X	X	X	X	X			X	X	X	X
286	Large	S	Low	High	High	Moon Valley Nurseries	Armando Rodriguez	7107-004-800	17020 Downey Rd.	Bellflower	SCE	GO	LA	4.5	4	X	X	X	X		X		X	X	X	X
289	Large	S	Low			MB Landscaping & Nursery	Maria Martinez	7336-004-010	20300 S. Figueroa St	Carson	DWP	GO	D	2.5	2.5	X	X	X	X	X	X		X	X	X	X
290	Large	S	Low			MB Landscaping & Nursery	Maria Martinez	6126-009-802	201 E Walnut Street	Carson	Other	GO	D	6.2	5	X	X	X	X	X	X		X	X	X	
292	Large	S	Low			MB Landscaping & Nursery	Maria Martinez	6134-008-270 6134-001-271 6134-001-270	700 135th St.	Los Angeles	DWP	GO	LA	6.2	5.7	X	X	X	X	X	X		X	X	X	X
293	Small	N	Low		Low	N.K. Nursery	Kaz Kitajima	8242-016-810	780 S. Stimson Ave	City of Industry	Other	GO	SG	2	1	X	X	X	X				X	X	X	X
294	Large	N	Low	High	High	Moon Valley Nurseries	Armando Rodriguez	5268-005-801 5268-005-802	2600 W Lincoln Ave	Montebello	SCE	GO	LA	16.5	7	X	X	X	X		X		X	X	X	X
296	Medium	S	High	High	High	United Plant Growers	Jose Gomez	7048-015-801 7048-015-802	5150 Knoxville Ave	Lakewood	SCE	C	SG	3.5	3	X	X	X	X	X	X	X	X	X	X	X
297	Micro	S		Low	Low	UVA Nursery	Alberto Gomez	7339-009-272 7339-009-901 7339-009-272	19033 Anelo Ave	Gardena	DWP	GO	D	2.1	2.1	X	X	X					X	X	X	X
298	Unknown	N				Vineland Growers Nursery	Fidel Montenegro	2414-003-901 2414-003-902 2414-003-907	6200 Vineland Ave	North Hollywood	DWP	GO	LA	5	5	X	X	X	X	X			X	X	X	X
299	Small	N	Low	Low	Low	V&N Nursery	Jose Uribe	2126-014-900 2126-015-902 2126-028-902 2126-001-901	18841 Hart St	Reseda	DWP	GO	LA	5.05	3.7	X	X	X	X	X	X	X	X	X	X	X
300	Small	S	High	Low	High	Garibaldo's Nursery	Filemon Garibaldo	7160-003-801 7160-003-800 7162-007-800 7162-007-801	8834 Rose St.	Bellflower	SCE	GO	SG	1.8	1	X	X	X					X	X	X	X
302	Micro	S	Average	Average	High	Ramirez Strawberry Ranch	Rigoberto Ramirez	7317-015-805 7317-015-806	3511 Santa Fe Ave.	Long Beach	Other	R	LA	2.5	2	X	X	X		X			X	X	X	X
260	Micro	S	Low	Low	Low	Triunfo Canyon Vineyards	Steve and Laura Gilbard	2063-002-092	3030 Triunfo Canyon Rd	Agoura	SCE	V	SM	9	3.5	X	X	X					X	X	X	X
306	Small	N	Average	Low	High	Mimosa Nursery	Khiem Doan	6351-035-803 6351-035-804 6351-035-807	6270 Allston Street	East Los Angeles	SCE	GO	LA	3.3	2.2	X	X	X					X	X	X	X
307	Unknown	N				Hana Star Farms, Inc	Hidehiko Kasahara	8174-013-800 8174-004-800	6509 Pioneer Blvd	Whittier	Other	R	SG	5.9	2.5								X	X	X	X
309	Micro	N	Average	Low	High	Pedro Perez Nursery	Pedro Perez	2666-003-901	11362 Woodley Ave.	Granada Hills	DWP	GO	LA	3.19	3.19								X	X	X	X

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								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
311	Small	N	Average	Low		LA Sanchez Nursery	Eusebio Sanchez	8294-030-800	16525 Circle Hill Ln	Hacienda Heights	SCE	GO	SG	1.5	1	X	X	X								
312	Small	S	High	Low	High	Martinez Nursery	Angel Martinez	7165-019-803	5761 Ashworth St	Lakewood	SCE	GO	SG	2	1.5	X	X	X	X	X			X	X	X	X
313	Large	S				Moon Valley Nurseries	Armando Rodriguez	4467-021-002 4467-021-001	29081 Pacific Coast Hwy	Malibu	Other	GO	SM	4.76	4.76				X		X		X	X	X	X
314	Unknown	N				Plascencia Nursery	Maria Silva	8551-011-271 8551-011-270 8556-009-272	12920 Ramona Blvd	Baldwin Park	DWP	GO	SG	7.84	7.84								X	X	X	X
315	Large	N	Low	Average	Low	San Antonio Nursery Corp	Rafael Macias	2538-002-900 2538-003-900 2538-021-901 2538-022-901 2538-023-902	11753 Wicks St.	Sun Valley	DWP	GO	LA	19.07	19.07	X	X	X					X	X	X	X
316	Small	N	Low	Low	Low	Saticoy Nursery	Armando Orozco Torres	2715-013-900	18058 San Fernando Mission Blvd.	Granada Hills	DWP	GO	LA	5	5	X	X	X					X	X	X	X
320	Large	N	Low	High	High	Brightview Tree Company	Robert Crudup	2548-001-011	9500 Foothill Blvd	Sunland	Other	GO	LA	10	5	X	X	X	X	X	X		X	X	X	X
322	Small	N	Low	Low	Low	Reyes Winery	Robert Reyes	3213-016-029	10262 Sierra Hwy	Santa Clarita	Other	V	SC	16.25	14	X	X	X	X	X	X					
323	Small	N	Average	Average	Average	3 Pinos Nursery	Bartolo Lopez S.	2118-024-909 2118-024-910	18899 Sherman Way	Reseda	DWP	GO	LA	3.5	1.8	X	X	X					X	X	X	X
324	Unknown	N				90-90 Nursery	Jose Salazar	2629-015-902 2629-020-901	14667 Tupper St.	Panorama City	DWP	IP	LA	1	0.86								X	X	X	X
325	Small	S	Low	Low	Low	Juan Aguirre Farming	Juan Gregorio Aguirre	6045-015-271 6045-015-270 6045-015-272 6045-015-273	North of 92nd St, between Fir Ave and Minder St. & North of 92nd St, between Miner St and Juniper St.	Los Angeles	DWP	IP	LA	2.73	2.73	X	X	X					X	X	X	X
326	Small	N	High	Low	High	American Growers Plus, Inc.	Nick A. Gomez	2103-013-901	18830 Strathem St.	Reseda	DWP	IP	LA	1.05	1.05	X	X	X	X	X			X	X	X	X
329	Unknown	S				RJ's Demolition and Disposal	Maricela Rodriguez	6132-004-900	599 W. 135 St.	Gardena	DWP	IP	D	2.93	2.93								X	X	X	X
330	Small	S	Low	Low	Low	Arny's Garden	Arny Gonzales	7337-005-273	South of the 405 Fwy & North of Carson St.	Carson	DWP	IP	D	1.19	1.19	X	X	X		X			X	X	X	X
331	Unknown	N				Lorenzo Sanchez Nursery	Lorenzo Sanchez	2642-001-900	14001 Garber St.	Arleta	DWP	IP	LA	0.81	0.81								X	X	X	X
332	Unknown	N				Ramy's Nursery	Ramy Cohen	2103-015-903 2103-013-901	East of Wilbur Ave. between Blythe St. and Elkwood St.	Reseda	DWP	IP	LA	3.6	3.6								X	X	X	X
333	Micro	S				Billy Lee	Billy Lee	6268-017-270 6268-017-274 6268-017-275	8600 Jefferson St.	Paramount	DWP	IP	SG	2.85	2.85					X				X	X	X
334	Micro	N	High	Average	Average	Bird of Paradise Nursery	Rogelio Garhlo	5272-009-277	4112 Paramount Blvd.	Pico Rivera	DWP	IP	LA	0.7	0.7	X	X	X					X	X	X	X
335	Small	N	Low	Low		C&Y Nursery	Carlos Mejia	2310-008-900	11811 Strathern St.	North Hollywood	DWP	IP	LA	3	3	X	X	X					X	X	X	X
337	Unknown	N				Arturo Carbajal Nursery	Arturo Carbajal	8125-001-901	12201 Pellissier Rd.	Whittier	DWP	IP	SG	2.4	2.4								X	X	X	X
338	Small	N	Low	Low	Low	Classic Landscaping & Nursery	Sam Mozes	2127-014-006	18756 Erwin St.	Tarzana	Other	IP	LA	1	0.75	X	X	X	X	X			X	X	X	X
339	Unknown	N				Daniel Velazquez Nursery	Daniel Velazquez	2681-009-902	11363 Woodley Ave.	Granada Hills	DWP	IP	LA	1.64	1.64								X	X	X	X
340	Unknown	S				David's Nursery	Ana G. Meza-Arredondo	7315-037-271	909 E. Sepulveda Blvd.	Carson	DWP	IP	D	3.1	3.1								X	X	X	X
341	Unknown	S				Eden Nursery	Trinindad Alcaraz	6089-022-283	11600 Berendo Ave.	Gardena	DWP	IP	D	1.4	1.4								X	X	X	X
342	Unknown	N				El Bajio Nursery	Benancio Queme	2642-022-902 2625-025-900	13760 Sunburst St.	Arleta	DWP	IP	LA	1.64	1.64								X	X	X	X
343	Unknown	S				El Castillo Nursery	Jesus Aguilar	6119-006-900	555 W. 146th St.	Gardena	DWP	IP	D	1.55	1.55								X	X	X	X
344	Unknown	S				Environmental Arts	Peter Lee	6120-029-900	North Side of 152nd St. / Figueroa	Gardena	DWP	IP	D	1.1	1.1								X	X	X	X
345	Small	N	High	Low	Low	Exotic Garden Nursery	Jimmy King	2127-021-900	18801 Victory Blvd.	Reseda	DWP	IP	LA	2.35	2.35	X	X	X					X	X	X	X
346	Unknown	S				F&A Nursery	Francisco Garcia	7162-014-270	8650 Artesia Blvd.	Bellflower	DWP	IP	LA	1.32	1.32								X	X	X	X
347	Unknown	N				Four Seasons Wholesale Nursery	Dan LaFleur	2763-021-900 2770-001-900 2763-019-902	18840 Nordhoff St.	Northridge	DWP	IP	LA	12.75	12.75								X	X	X	X
348	Micro	N				Wilmington Nursery	Juan Ramirez	2310-023-901	West of Morella Ave between Arminta St. and Stagg St. Los Angeles	Los Angeles	DWP	IP	LA	1.68	1.68								X	X	X	X
349	Unknown	N				F&A Nursery	Francisco Garcia	6369-003-273	East of Crider Ave, between Washington Blvd and the railroad tracks, Pico Rivera	Norwalk	DWP	IP	LA	2.4	2.4								X	X	X	X
350	Unknown	S				Gil Hernandez Nursery	Gil Hernandez	6115-039-270	12969 Vermont Ave.	Gardena	DWP	IP	D	2.6	2.6								X	X	X	X
352	Unknown	S				Grace Farms	Myong H. Koches	7404-003-278	Intersection of Bonita St. and E. Pacific St.	Carson	DWP	IP	D	0.89	0.89								X	X	X	X
353	Unknown	S				Grace Farms	Myong H. Koches	7404-004-273	Realty St. and Delores Dr. (intersecting Wilmington Ave.)	Carson	DWP	IP	D	1.62	1.62								X	X	X	X
354	Small	N				Green Effects Inc.	Gary Jackson	2321004901 2321-003-902	11739 1/2 Vose St.	North Hollywood	DWP	GO	LA	4.1	4.1	X	X	X		X			X	X	X	X
355	Medium	N	Low	Average	Low	Green House Nurseries, Inc.	Mark Whitten	2642-021-900	9400 Canterbury Ave.	Arleta	DWP	IP	LA	3.48	3.48	X	X	X	X				X	X	X	X
356	Medium	N	Low	Average	High	Green Set, Inc.	Dan Needham	2320-016-903	11520 Vanowen St.	North Hollywood	DWP	IP	LA	0.9	0.9		X						X	X	X	X
357	Medium	N	Low	Average	Low	Green Set, Inc.	Dan Needham	2320-017-900 2320-017-901	6732 Camellia Ave.	North Hollywood	DWP	IP	LA	2	2		X						X	X	X	X

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								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
358	Medium	N	Low	Average	Low	Green Set, Inc.	Dan Needham	2321-007-901 2320-001-902 2320-008-904	11617 Dehougne St.	North Hollywood	DWP	IP	LA	4.82	4.82		X						X	X	X	X
359	Unknown	S				La Escondida Nursery (Growing Nu	Luis Humberto Mercado	6236-001-270	East of the LA River, between Century Ave. and the 105 Fwy	Paramount	DWP	IP	LA	3.84	3.84								X	X	X	X
360	Unknown	N				El Dorado Nursery	Eugenia Torres	2629-006-900	Southwest of San Fernando Rd and North East of Telfair Ave.	San Fernando	DWP	IP	LA	1.96	1.96								X	X	X	X
361	Unknown	N				Green Spot Nursery	Hector Hernandez	2307-008-900 2307-007-900	West of Laurel Canyon Blvd, between Saticoy and Stagg St.	Los Angeles	DWP	IP	LA	4.13	4.13								X	X	X	X
362	Small	S	Average	Low	Low	Mi Jalisco Nursery	Oscar Hernandez	7165-020-270	5760 Ashworth St.	Lakewood	DWP	GO	SG	3	2	X	X	X					X	X	X	X
363	Small	N	High	Low	Low	International Environmental Corp.	Henry Cespedes	2642-021-900	9312 Canterbury Ave.	Arleta	DWP	IP	LA	3.41	3.41	X	X	X					X	X	X	X
364	Unknown	N				Isaac Ortega Nursery	Isaac Ortega	2648-010-904 2648-013-900 2648-013-901	11925 Bromont Ave.	Pacoima	DWP	IP	LA	2.2	2.2								X	X	X	X
365	Unknown	S				Isaias Gonzalez Nursery	Isaias Gonzalez	6310-027-274	East of Alcoa Avenue, between Slauson and Randolph	Vernon	DWP	IP	LA	3.5	3.5								X	X	X	X
366	Unknown	S				James T. Jung Nursery	James T. Jung	7404-002-278	East of Bonita Ave, between Lincoln St and Pacific St, Carson	Carson	DWP	IP	D	0.83	0.83								X	X	X	X
367	Unknown	S				Javier's Nursery	Javier Hernandez	7339-018-902 7339-018-271 7339-018-903	610 E. Carson Plaza Dr.	Carson	DWP	IP	D	2.64	2.64								X	X	X	X
368	Unknown	N				Jesus & Juan Munoz Nursery	Jesus Munoz	2415-013-901 2415-014-900 2415-015-901	East of Whitnall Hwy, between Oxnard St and Cahuenga Blvd	North Hollywood	DWP	IP	LA	3.04	3.04								X	X	X	X
369	Unknown	N				Rafael Macias	Jesus Macias Gonzalez	2538-008-900	11770 Wicks St	Sun Valley	DWP	IP	LA	1.6	1.6								X	X	X	X
370	Unknown	N				Jose Vasquez Nursery	Jose Vasquez	2715-012-903	18150 Tribune St	Porter Ranch	DWP	IP	LA	5	5								X	X	X	X
371	Unknown	S				Juan Aguilar Nursery	Juan Aguilar	6051-002-900	10718 S. Stanford Ave.	Los Angeles	DWP	IP	LA	1	1								X	X	X	X
372	Small	N	Average	Low		Junior's Nursery	David Martinez	2118-001-901	18836 Saticoy	Reseda	DWP	IP	LA	2	2	X	X	X					X	X	X	X
373	Unknown	N				Juarez Nursery	Rolando E. Juarez	8664-019-270	6375 Wheeler Ave.	La Verne	DWP	IP	SG	1.3	1.3	X							X	X	X	X
374	Small	N	Average	Low	High	Junior's Nursery	David Martinez	2156-021-903	West of Yolanda Ave. between Hatteras and Miranda Ave.	Los Angeles	DWP	IP	LA	1.1	1.1	X	X	X					X	X	X	X
375	Unknown	S				First Image Nursery	Julio De Luis Espinoza	5048-008-900 5048-008-901 5048-012-900 5048-013-900	2700 S Fairfax Ave	Los Angeles	DWP	IP	SM	1.88	1.88				X				X	X	X	X
376	Unknown	N				La Cienega Nursery	Cirilo Gutierrez	2627-026-900	8612 Canterbury Ave.	Pacoima	DWP	IP	LA	3.7	3.7								X	X	X	X
377	Unknown	N				Lopez Nursery	Francisco Lopez	2631-011-900	11763 Rialto St.	Sun Valley	DWP	IP	LA	1.51	1.51								X	X	X	X
378	Unknown	N				Los Pinos Nursery	Rodolfo Reynoso	2308-024-900	7860 Whisett Ave	North Hollywood	DWP	IP	LA	3.15	3.15								X	X	X	X
379	Micro	N	Low	Low	High	Rose Lane Farms	Lynne Vinkovic	2321-003-900	11740 Sherman Way	North Hollywood	DWP	F	LA	1	0.28	X	X	X					X	X	X	X
380	Unknown	N				Macias Nursery	Ignacio Macias	2604-041-903	15594 Bledsoe St.	Sylmar	DWP	IP	LA	2.24	2.24								X	X	X	X
381	Large	S				Raul Martinez Nursery	Raul Martinez	7339-007-901	565 189 St.	Gardena	DWP	IP	D	1	1								X	X	X	X
382	Unknown	S				Victor's Nursery	Victor Martinez	7162-021-270 7162-022-270 7162-005-270 7162-005-271	8699 Cedar St.	Bellflower	DWP	IP	SG	1.88	1.88								X	X	X	X
383	Medium	S	Outlier			Miyako Bonsai Nursery	Kenichiro Kawaguchi	6132-006-900	552 W. 140th St.	Gardena	DWP	C	D	2.18	2.18			X					X	X	X	X
384	Unknown	N				Jose Munoz Nursery	Jose Munoz	8115-001-907 8115-001-905	Between the 60 and 605 Fwy	Whittier	DWP	IP	SG	4	4								X	X	X	X
385	Medium	N	Average	Low	Low	New View Landscape, Inc./Green V	Michael Stell	2763-002-900 2763-030-901 2729-024-901 2763-001-905	18590 Lassen St.	Northridge	DWP	GO	LA	9.31	9.31	X	X	X		X		X	X	X	X	X
386	Medium	N	Average	Low	High	New View Landscape, Inc./Green V	Michael Stell	2731-012-901	West of Lindley between San Jose and Devonshire	Northridge	DWP	GO	LA	5.1	5.1	X	X	X		X		X	X	X	X	X
387	Micro	S	High	Low		Aguilar Products	Pascual Aguilar	6071-001-900	West of Stanford Ave, between Alondra and Flower Ave.	Los Angeles	DWP	IP	LA	1.18	1.18	X	X	X					X	X	X	X
388	Small	S	Low	Low	Average	Plantasia, Inc.	Alex Colovic	7107-001-271 7107-001-270 7107-002-900 7107-002-272 7107-002-271 7107-002-272	West of Lakewood Blvd., between Alondra and Flower Ave.	Paramount	DWP	IP	SG	5.57	5.57	X	X	X					X	X	X	X
389	Unknown	S				Ramirez Nursery	Guillermo Ramirez	6132-005-900	570 W. 135th St.	Gardena	DWP	IP	D	2.96	2.96	X	X	X					X	X	X	X
390	Small	S	Average	Low	Low	Rio Verde Nursery	Antonio Garcia	6241001270 6241001271	14809 Downey Ave.	Paramount	DWP	IP	SG	3.8	3.7	X	X	X					X	X	X	X

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								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
391	Unknown	N				RJ's Demolition and Disposal	Maricela Rodriguez	2604-002-903	15755 Roxford St	Sylmar	DWP	IP	LA	5.24	5.24								X	X	X	X
392	Micro	N	Average	Low		Roscoe Nursery	Gustavo Ramirez	2305-003-900 2305-002-018 2305-001-900	12741 Cantara St.	North Hollywood	DWP	IP	LA	2.6	2.6	X	X	X		X			X	X	X	X
393	Medium	N				Senna Tree Company	John Mote	2552-007-906	11523 Mount Gleason	Sunland	DWP	IP	LA	2.5	2.5	X	X	X					X	X	X	X
394	Small	S				Soto Nursery	Carlos A. Soto	6120-023-910 6120-023-908	600 W. Alondra Blvd.	Gardena	DWP	O	D	2.02	2.02	X	X	X					X	X	X	X
395	Unknown	N				Tops Landscape Co.	Kong Yun	2127-021-900 2127-017-901 2127-013-902 2127-014-900	18809 Calvert St.	Reseda	DWP	IP	LA	4.5	4.5								X	X	X	X
396	Small	N	High	Low		Wendy's Nursery	Xiomara Diaz	2307-020-902 2307-025-900	West of Laurel Canyon Blvd. between Saticoy and Cohasset	Los Angeles	DWP	C	LA	2	1.7	X	X	X					X	X	X	X
397	Unknown	S				Nick Williams Nursery	Nick Williams	2161-004-907	West of Yoland Ave. between Linnet St. and Wells Dr.	Los Angeles	DWP	IP	LA	0.69	0.69								X	X	X	X
399	Small	N	Average	Low	High	Saticoy Nursery	Armando Orozco Torres	2307-015-900 2307-015-903	12205 Saticoy St	North Hollywood	DWP	IP	LA	1.57	1.57	X	X	X					X	X	X	X
400	Medium	N	High	Low		Acosta Growers Inc.	Heriberto Acosta	8620-015-270 8620-022-270 8620-015-272	17000 Block of Renwick Rd between Homerest Ave and Lark Ellen Ave	Azusa	DWP	GO	SG	3.71	3.71		X	X	X	X	X	X	X	X	X	X
232	Small	S	Low	Average	Low	Wish Vineyard LLC	Susan Hayes	2049-006-031	25045 Jim Bridger Rd	Hidden Hills	Other	V	SM	1.23	0.66	X	X	X	X				X	X	X	X
402	Micro	N				Fantasy Nursery	Apolonio Diaz	IP	16526 Circle Hill Ln.	Hacienda Heights	SCE	GO	SG	3	2	X	X	X	X	X			X			
403	Medium	N	Low	Low	Low	San Gabriel Nursery & Florist	Mary Swanton	5373-031-008	714 S. Gladys Ave.	San Gabriel	Other	IP	LA	0.75	0.39	X	X	X	X	X	X	X	X	X	X	X
405	Medium	S	Low	Average	Low	Ayon Nursery	Jesus Ayon	IP	7044 Long Beach Blvd.	Long Beach	Other	IP	IP	16	14	X	X	X					X	X	X	
407	Small	N	High	Low		American Growers Plus, Inc.	Nick A. Gomez	2103-011-901	Wilbur Ave & Strathern St.	Reseda	DWP	IP	LA	1.38	1.38				X	X			X	X	X	X
408	Micro	N	High	Average		Bird of Paradise Nursery	Rogelio Garhlo	5272-008-278 5275-008-281 5272-008-283 5272-007-270 5272-007-271	Paramount Blvd & Isora St.	Pico Rivera	DWP	IP	LA	0.88	0.88								X	X	X	X
410	Medium	N	Low	Low		California Nurseries	Jose Gutierrez	2104-004-904	18924 Roscoe Blvd.	Northridge	DWP	GO	LA	2.19	2.19					X	X		X	X	X	X
412	Unknown	S				Jauregui Nursery, LLC	Filiberto Jauregui	7238-030-274 7238-030-273	7198 E. Atherton	Long Beach	DWP	GO	SG	0.81	0.81				N/A				X	X	X	X
416	Unknown	N				Clifford Sussman Nursery	Clifford Sussman	8661-013-907	1243 N. San Dimas Ave.	San Dimas	DWP	IP	SG	1.73	1.73								X	X	X	X
421	Unknown	N				Tops Landscape Co.	Kong Yun	2156-020-900	18807 Hatteras St	Reseda	DWP	IP	LA	1.14	1.14								X	X	X	X
422	Unknown	N				Green Valley Growers Wholesale I	Erik Estrada	2336-009-901 2336-007-901	Victory Blvd. / Fair Ave.	North Hollywood	DWP	IP	LA	2.03	2.03									X	X	X
423	Micro	N	Average	Low		Robles Nursery	Jorge Robles-Cervantes	2414-014-900	6000 Riverton	North Hollywood	DWP	IP	LA	1	0.8	X	X	X					X	X	X	X
425	Unknown	S				Ramon Ramirez Nursery	Ramon Ramirez	6120-028-901	Figueroa St. & 152nd St.	Los Angeles	DWP	IP	D	1.41	1.41				N/A				N/A	X	X	X
427	Unknown	S				R&A Nursery	Julia Arrolla Garrido	7167-033-270 7167-034-270	6229 Bellflower Blvd.	Lakewood	DWP	IP	SG	3	3								X	X	X	X
428	Large	S				MB Landscaping & Nursery	Maria Martinez	6233-031-271	5531 Leeds St.	South Gate	DWP	GO	D	1.99	1.99	X	X	X	X	X	X		X	X	X	X
430	Small	N	High	Low	High	Classic Landscaping & Nursery	Sam Mozes	2629-005-900 2629-015-902 2629-020-901	9090 Laurel Canyon Blvd.	Sun Valley	DWP	IP	LA	6.88	6.88	X	X	X	X	X			X	X	X	X
432	Unknown	S				Cosentino's	John Cosentino		25019 Pacific Coast Highway	Malibu	Other	IP	SM	1.5	0.75	X							X	X		
434	Unknown	N	Low	Low	Low	Robert Arreola	Robert Arreola	2317-006-901	11772 Saticoy St	North Hollywood	DWP	IP	LA	3.44	3.44				N/A	X			N/A	X	X	X
438	Small	S	Low	Low	Low	Mi Jalisco Nursery	Oscar Hernandez	7165-020-800	5761 Allington St.	Lakewood	Other	GO	SG	1.84	1.84	X	X	X					X	X	X	X
464	Unknown	N				Castaneda Nursery	Salud Castaneda	5272-032-271	Beverly Park Place	Pico Rivera	DWP	IP	IP	0.59	0.59										X	X
484	Unknown	N	Low	Low		Castaneda Nursery	Salud Castaneda		6301 Hereford Drive	Los Angeles	Other	V	LA	1	0.25				N/A	X			N/A	X	X	X
485	Unknown	S				Castaneda Nursery	Salud Castaneda		Bandini/Garfield	Commerce	Other	V	LA	4	3				N/A	X			N/A	X	X	X
486	Large	S				MB Landscaping & Nursery	Maria Martinez	621-009-802	5777 South Street	Lakewood	Other	GO	SG	5	0.75	X	X	X	N/A	X	X		N/A	X	X	
487	Micro	S				Ruiz Nursery	Jose Ruiz	IP	120 W. Greenleaf Blvd.	Compton	Other	IP	LA	0.4	0.2	X	X	X					X	X	X	
488	Medium	N				Landscape Warehouse Nursery & I	Jose Robles		3175/3200 Del Mar Blvd	Pasadena	Other	IP	LA	4	4	X	X	X	N/A				N/A	X	X	X
489	Large	N				Jackson Shrub Supply, Inc.	Gary Jackson	2320-018-902	Archwood St. & Farmdale Avenue	North Hollywood	DWP	GO	LA	0.93	0.93	X				X			X	X	X	X
490	Unknown	S				Jauregui Nursery, LLC	Filiberto Jauregui	6120-026-902	550 W. 157th St	Gardena	DWP	IP	D	1.73	1.73								X	X	X	X
491	Unknown	S				Jauregui Nursery, LLC	Filiberto Jauregui	6140-007-270 6140-038-270	E. Claude St. & S. McKinley Ave	Compton	DWP	IP	D	2.87	2.87								X	X	X	X
493	Unknown	S				Jauregui Nursery, LLC	Filiberto Jauregui	7061-008-276 7061-008-270 7061-008-275	6446 Del Amo	Lakewood	DWP	IP	SG	2.15	2.15								X	X	X	X
494	Unknown	S				Jauregui Nursery, LLC	Filiberto Jauregui	6268-005-270 6268-005-271	Somerest Blvd. & Hayter Avenue	Paramount	DWP	IP	SG	2.5	2.5								X	X	X	X
495	Unknown	S				Jauregui Nursery, LLC	Filiberto Jauregui	7075-001-901 7075-002-271	7102 E. Carson St.	Lakewood	DWP	IP	SG	6.2	6.2								X	X	X	X
496	Unknown	S				Jauregui Nursery, LLC	Filiberto Jauregui	7078-001-274 7075-002-271 7075-002-273 7075-002-275	7200 E. Wardlow Road	Long Beach	DWP	IP	SG	12	12								X	X	X	X

NGA #	GROUP	SAMPLING REGION	NUTRIENT GROUPING	PESTICIDE GROUPING	WATER GROUPING	OWNER/ TENANT	OPERATOR/ CONTACT	PARCEL			DWP/SCE	CROP TYPE	WATERSHED	ACREAGE		PAPERWORK			EDUCATION				GROUP DUES			
								APN	ADDRESS	CITY				TOTAL	IRRIGATED	Info	BMP Q	General Q	2017-18	2018-19	2019-20	2020-21	2017-18	2018-19	2019-20	2020-21
																X = COMPLIANT			X = COMPLIANT; N/A= site not operational; 1 = 1 HOUR EARNED				X = COMPLIANT; N/A= site not operational			
497	Small	S				Gardena Hills Nursery	Gilberto Lopez	6050-025-900 6050-035-900 6051-002-900	98th St. & Avalon Blvd	Los Angeles	DWP	IP	LA	2.66	2.66								X	X	X	X
498	Medium	N				California Nurseries	Jose Gutierrez	2644-007-900	Canterbury Avenue & Pierce St.	Arleta	DWP	IP	LA	2.2	2.2					X	X		X	X	X	X
499	Medium	N				California Nurseries	Jose Gutierrez	2647-023-902 2647-023-903 2647-025-900 2647-025-901 2647-025-902	14115 Van Nuys Blvd.	Arleta	DWP	IP	LA	3.62	3.62					X	X		X	X	X	X
500	Small	N				El Monte Nursery	Chien Fa Liao	8570-004-001	4628 Santa Anita Ave.	El Monte	Other	GO	LA	0.87	0.67	X	X	X				1	X	X	X	X
501	Small	N				Annandale Nursery	Kyle Calvillo	5708-002-801	7720 N Figueroa St.	Los Angeles	SCE	GO	LA	1.8	0.5	X	X	X			X		X	X	X	X
502	Unknown	N				Monica's Nursery	Martha Munoz	8564-604-901	266 Cloverleaf Rd	Baldwin Park	SCE	IP	IP	4.5	2	X							X	X		
503	Small	N				Champa Nursery	Jimmy Nguyen	8569-008-001	4254 Tyler Ave.	El Monte	Other	GO	LA	0.5	0.5	X	X	X					X	X	X	X
504	Unknown	S				Cazares Nursery	Marcos Cazares	6181-023-008 6181-023-007	15730 Butler Ave.	Compton	Other	GO	LA	0.5	0.25	X	X	X					X	X	X	X
506	Unknown	N				Fuji Bonsai Nursery, LLC	Roy K. Nagatoshi	2502-024-022	13170 Glenoaks Blvd	Sylmar	Other	GO	LA	0.75	0.33	X	X	X					X	X	X	X
507	Unknown	N				El Grano de Oro Growers	Jose Munoz	2505-026-003	14852 Bledsoe St.	Sylmar	Other	GO	LA	2	1.6	X							X	X	X	X
TOTALS														2574.72	1232.37	191	189	189	95	108	86	21	270	275	269	243
																67.49%	66.78%	66.78%	33.57%	38.16%	30.39%	7.42%	95.41%	97.17%	95.05%	85.87%
283																961.4	970.46	949.24	627.02	599.58	556.61	81.13	1196.55	1204.28	1184.29	1060.04
208																78.01%	78.75%	77.03%	50.88%	48.65%	45.17%	6.58%	97.09%	97.72%	96.10%	86.02%
IP																						8 3%				

Watersheds:

D	52	139.84
LA	135	508.94
SC	6	98.25
SG	57	324.07
SM	30	144.68
SA	0	0
IP	3	16.59
	283	**1232.37**

Crop Type:

		# Operation	Irrigated Acres	# North Group	North Group Irrigated Acres	# South Group	South Group Irrigated Acres
F	Cutflower	3	5.48	26	315.34	25	121.59
GO	Ornamental	136	618.69	32	186.94	16	95.36
C	Color Plants	12	40.51	30	84.11	45	158.05
V	Vineyard	22	98.96	14	21.03	16	26.17
GH	Greenhouse	1	1	36	105.04	43	118.74
O	Orchard	3	8.02				
S	Sod	1	16.5	102	607.42	102	401.17
M	Multiple	10	186.23	138	712.46	145	519.91
R	Row Crop	5	15.15				
IP	In Progress	90	241.83				
		283	**1232.37**				

NGA #	GROUP	SAMPLING REGION	NUTRIENT GROUPING	PESTICIDE GROUPING	WATER GROUPING	OWNER/ TENANT	OPERATOR/ CONTACT	CROP TYPE	WATERSHED	ACREAGE	
										TOTAL	IRRIGATED
208	Unknown	N				1940 Las Palomas, LLC	Raul Alvarado	O	SM	4.00	3.50
206	Micro	N	Low	Low	High	A & R Nursery, Inc.	Adrian Lopez	GO	LA	2.50	0.80
277	Unknown	S				Abeja Nursery	Dimas Carbajal	GO	D	4	3
308	Unknown	N				Agua Dulce Winery	Judy Kajama	V	SC	75	62
276	Small	S	Low	Low		AJ Nursery, Inc.	Juan Ramos	GO	LA	6.5	5
327	Unknown	N				Cardanali Nursery	IP	IP	LA	2.05	2.05
17	Medium	N	Low	Average	Low	Arbor Nursery Plus	Tony Rodriguez	GO	SG	8.00	6.00
264	Small	N	Low	Low	Low	Ben K Bonsai Nursery	Young Min	GO	LA	1.60	0.75
304	Unknown	N				Chuy's Nursery	Jesus Martinez	GO	LA	3	2
39	Micro	N	Low	Low	Low	Dave's Four Seasons Wholesale Nu	Dave Martinez	GO	SG	0.75	0.57
398	Unknown	N				David Garcia Nursery	David Garcia	IP	SC	0.35	0.35
424	Unknown	S				Felipe Serrano	Felipe Serrano	IP	IP	0.61	0.61
33						formally Color Spot		C	D	31.55	18.50
351	Unknown	S				Gomez Calderon Nursery	Gomez Calderon	IP	LA	3.8	3.8
492	Unknown	N				Green Landscape Nursery	Richard Green	IP	IP	4.00	3.41
44	Small	N	Low	Low		Green Leaf Nursery	Fermin Gutierrez	GO	LA	3.50	3.00
310	Small	S	Average	Low	Low	Green Touch Nursery	Oscar Vargas	GO	LA	0.81	0.81
209	Unknown	N				Greenshower Nursery	Steven Lin	GO	SM	2.60	2.00
431	Unknown	N				Hacienda Growers Nursery	Daniel Keefe	IP	IP	5.20	1.80
301	Unknown	N				Horizon Nursery	Rafael Rosalez	GO	IP	3.5	2
105	Small	N	High	Average	Low	Live Art Plantscapes, Inc.	Larry Tabeling	GH	LA	3.91	3.91
321	Unknown	S				Lucky Plants Nursery	Steven Chu	IP	D	3	2.5
287	Unknown	N				Maggie's Farm	Nate Peitso	R	IP	4	4
112	Small	S	Average	Low	Average	Mezcala Nursery	Sergio Vargas	GO	LA	3.00	2.00
135	Unknown	S				Okada Nursery, Inc.	Herb Okada	GO	SG	8.00	6.00
429	Unknown	N				Pine Hills Nursery	Francisco Huizar	IP	IP	3	2.25
433	Unknown	N				Pine Hills Nursery	Francisco Huizar	IP	IP	2	1.5
426	Unknown	N				Ramon Ramirez Nursery	Ramon Ramirez	IP	IP	2.6	2.6
418	Unknown	S				RJ's Demolition and Disposal	Maricela Rodriguez	IP	LA	1.59	1.59
419	Unknown	S				RJ's Demolition and Disposal	Maricela Rodriguez	IP	LA	2.91	2.91
317	Unknown	N				Starline Nursery Company	David Mejia	GO	SG	2.5	2
318	Unknown	N				Starline Nursery Company	David Mejia	GO	SG	2.5	2
319	Unknown	N				Sunshine Food & Nursery	Kevin Wong	GO	LA	6.50	5.00
169	Medium	N	Average	High	Average	Tapia Bros., Inc.	Tom Tapia	R	LA	60.00	40.00
170	Unknown	~~S~~				Toro Nursery Inc.	Salvador Sanchez	C	D	17.00	15.78
295	Small	S				Torrance Wholesale Nursery	Margaret Edelman	GO	D	2	1.87
303	Unknown	S				Western Plants and Trees	Alberto Reyes	GO	IP	0.68	0.5

NOT Submitted

NGA #	OWNER/ TENANT	OPERATOR/ CONTACT	PARCEL				MAILING				CROP TYPE	Watershed	ACREAGE	
			APN	ADDRESS	CITY	DWP/SCE	ADDRESS	CITY	STATE	ZIP			TOTAL	IRRIGATED
5	ABC Nursery, Inc.	Eric Yonemura	7168-034-800 7168-034-801 7168-034-281 7168-034-285 7168-034-270 7168-034-289 7168-034-276 7168-034-278 7168-034-272 7168-034-280 7168-034-273 7168-034-274	6221 Clark Avenue	Lakewood	SCE	424 East Gardena Blvd.	Gardena	CA	90248	GO	SG	6.4	1.66
14	Acosta Growers Inc.	Eddie Acosta / Carlos Acosta	5283007271	2657 Delta Ave	Rosemead		18012 E. Alford St.	Azusa	CA	91702	General Ornamental	LA	1.5	1.13
15	Acosta Growers Inc.	Eddie Acosta / Carlos Acosta	5283017270 5283017271 5283017271	2450 Charlotte Ave	Rosemead		18012 E. Alford St.	Azusa	CA	91702	General Ornamental	LA	2.5	1.88
28	Certified Plant Growers, Inc.	Tom Miesen	8021-005-915 8021-004-801 8021-004-800 8021-004-805 8021-004-804	10524 E Firestone Blvd	Norwalk		P.O. Box 1696	Temecula	CA	92593	C	SG	2.50	1.50
57	Specialized Growers	Ruben Valdez												
90	Kobata Growers,Inc.	Jack Mayesh	7336004277 7336004276	20300 Figueroa Street	Carson		17622 Van Ness	Torrance	CA	90504	Color	D	3	2.5
137	Pacific Nursery	Sharon/Glenn Tachibana	6114001007	14504 S Normandie Ave	Gardena		14504 S. Normandie Ave.	Gardena	CA	90247	General Ornamental	D	4.5	3
150	Colorama WholesaleNursery	Richard Wilson	8617001029	1025 N. Todd Ave.	Azusa		1025 N Todd Avenue	Azusa	CA	91702	C	SG	26	15.3
162	San Gabriel Nursery& Florist	Fred Yoshimura/ Mary Swanton	5276018003	2015 Potrero Grande	Monterey Park		632 South San Gabriel Blvd.	San Gabriel	CA	91776	GO	LA	10	6
165	SempervirensBotanical Company	John Low	5373028022 4091025800	3237 West 178th Street	Torrance		3237 West 178th Street	Torrance	CA	90504	General Ornamental	D	2	1.5
189	West Covina Wholesale Nursery	Dave Zylstra	8391003911	3425 Damien Ave	La Verne		P. O. Box 8046	La Verne	CA	91750	General Ornamental	SG	1.5	1.25
212	Lam Farm	Nhi Lam	6268-017-270 6268-017-274 6268-017-275	8600 Jefferson St.	Paramount	DWP	6319 California Ave	Long Beach	CA	90805	R	LA	3	1
223	Nijjar Vineyard	Sanjeet Nijjar	8527004025	29 Starlite Drive	Bradbury		29 Starlite Drive	Bradbury	CA	91010	Vineyard	LA	0.9	0.5
224	Schoelkopf Vineyard	Juergen Schoelkopf	4470009058	31499 Pacific Coast Hwy	Malibu		31499 Pacific Coast Highway	Malibu	CA	90265	V	LA	1	0.8
228	El Corazon En Las Nubes	Bob Tobias / David Gomez	2058-014-014	32720 Mulholland Hwy	Malibu	SCE	P.O. Box 577	Agoura Hills	CA	91376	V	LA	5	0.9
238	Zuma Canyon Orchids	George Vasquez	4467-024-003	5949 Bonsall Drive	Malibu		5949 Bonsall Dr.	Malibu	CA	90265	GH	SM	3.89	1.20
243	Chartwell Estate Vineyard	Jim Burrows	4362016008	750 Bel Air Rd	Los Angeles		750 Bel Air Rd	Los Angeles	CA	90077	V	SM	1.5	1
249	Hotchkis Vineyard	Frances Lacey	4369028005	10939 Chalon Rd	Los Angeles		10939 Chalon Rd	Los Angeles	CA	90077	V	SM	1.7	0.4
252	Kolawa Properties,LLC	Adam Kolawa	8527007032	673 Deodar Ln	Bradbury		2nd Floor	Monrovia	CA	91016	Vineyard	SG	4	1
254	Manassero Farms	Dan Manassero	7016007906	166th & Studebaker Rd.	Cerritos		9925 Via La Granja	Yorba Linda	CA	92886	R	SG	4	3
261	ABC Rhubarb Farms	Sonia Chavez	6230022800	6208 Clara St	Gardens		PO Box 39145	Downey	CA	90239	Row Crop	LA	5.83	5
262	The Orchid Garden	James Weiss	4088019803	3511 W. 182nd St.	Torrance		2506 Ardmore Ave.	Beach	CA	90254	Ornamental	D	1.25	0.2

NOT Submitted

NGA #	OWNER/ TENANT	OPERATOR/ CONTACT	PARCEL				MAILING				CROP TYPE	Watershed	ACREAGE	
			APN	ADDRESS	CITY	DWP/SCE	ADDRESS	CITY	STATE	ZIP			TOTAL	IRRIGATED
273	Pierce College	Paul Nieman	2149007902	6201 Winnetka Ave	Woodland Hills		6201 Winnetka Ave	Woodland Hills	CA	91371	M	LA	430	200
288	Malibu Organic Lemon	Mike Zacha	4472-010-023	1700 Decker Canyon Rd	Malibu	SCE	1700 Decker Canyon Rd	Malibu	CA	90265	O	LA	220	15
291	MB Landscapingand Nursery	Maria Martinez	7339017014	19202 Main St.	Carson		20300 S. Figueroa St.	Carson	CA	90745	Ornamental	D	6	1.5
313	Pacific View Nursery	Erik Munoz	4467021001	29081 Pacific Coast Hwy	Malibu		29081 Pacific Coast Hwy	Malibu	CA	90265	GO	SM	4.76	4
336	Cal-Tokyo Landscape Co.	Yoshiharu Kariya	Questionnaire	5531 Leeds St.	South Gate		15428 Cornuta Ave.	Bellflower	CA	90706	Questionnaire	LA	1.99	1.99
404	San Gabriel Nursery & Florist	Swanton	IP	Blvd.	San Gabriel		Blvd.	San Gabriel	CA	91776	IP	IP	6.25	4.13
	Grand Vista Geranium Gardens	Henry Andrade	IP				18307 S. Central Ave.	Carson	CA	90746				
120	Cerritos Nursery LLC	Timothy Chiu		19820 Norwalk Blvd.	Cerritos		19820 Norwalk Blvd.	Cerritos	CA	90703			4.5	2
328	Crair Vineyards	Daniela Crair	4467-018-024	5931 Kanan Dume Rd.	Malibu		5931 Kanan Dume Rd.	Malibu	CA	90265	V	SM	1.8	1
82	Damas Nursery	Julian Damas	6351-036-8016,	6265 E. Hereford Dr.	E. Los Angeles		8210 Passons Blvd	Pico Rivera	CA	90660	GO	LA	5.96	5.00
415	Girasol Nursery	Humberto Cardenas/Salva	6373-021-270	4765 Calada Ave	Pico Rivera	DWP	PO Box 6862	Pico Rivera	CA	90661	IP	LA	0.33	0.33
406	Gooch Vineyard	Patrice Gaburo	IP	27366 Winding Way	Malibu		27366 Winding Way	Malibu	CA	90265	V	LA	2.6	0.75
229	Katharina Hahn Vineyard	Katharina Hahn/Jaime Pag	4467-003-023	5825 Murphy Way	Malibu		5825 Murphy Way	Malibu	CA	90265	V	LA	0.8	0.5
2	Ayon Nursery	Jesus Ayon	8207-019-8018,	16448 Haliburton Rd	Hacienda Heights		PO Box 91922	City of Industry	CA	91745	GO	SG	6.00	5.00
40	Mikamo Nursery	Edith Mikamo	7344-007-039	1029 W. 223 Street	Torrance		1029 W. 223 Rd St.	Torrance	CA	90502	F	D	1.00	0.75
263	Malibu Vineyard	James Palmer	4472-019-030	33169 Decker School Rd	Malibu		22631 Pacific CoastHighw	Malibu	CA	90265	V	SM	4.2	3
268	K. Yuge Nursery	Dora Yuge	4066-016-054	2027 W 164th St	Torrance		2027 W 164th St	Torrance	CA	90504	GH	D	1.5	0.75

APPENDIX B

TABULATED DATA, CURRENT AND HISTORICAL SAMPLING RESULTS

LIST OF SITE VISITS AND COLLECTED SAMPLES
NURSERY GROWERS ASSOCIATION
LOS ANGELES COUNTY IRRIGATED LANDS GROUP

	OWNER/TENANT	NGA #	PROPERTY ADDRESS	ACREAGE (Irrigated)	CWIL Order # R4-2005-0080												CWIL Order # R4-2010-0186																CONTINUATION, CWIL				CWIL Order # R4-2016-0143													
					YEAR 1 [1]				YEAR 2 [2]				YEAR 3		YEAR 4		Interim Sampling Event [3]	YEAR 1				YEAR 2				YEAR 3				YEAR 4				YEAR 5				YEAR 1, Interim Locations				YEAR 2, Interim Locations				YEAR 3, Interim Locations				YEAR 4, Interim Locations	
					Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Dry Season			Dry Season		Wet Season		Dry Season		Wet Season [4]		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season		Wet Season		Dry Season	
					Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #1	Event #1	Event #1		Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2	Event #1	Event #2
GROUP 1	Boething Treeland Farms, Inc.	19	23475 Long Valley Road, Woodland Hills	14.68	**8/13/2007**	9/25/2007	**12/18/2007**	**1/5/2008**	**8/12/2008**	9/23/2008	**11/26/2008**	12/15/2008	10/12/2009	ns*	8/19/2010	ns*	**3/23/2011**	10/11/2011						nv				**2/28/2014**			10/7/2014				9/30/2015					9/20/2016		**1/20/2017**			10/6/2017		**3/22/2018**	9/13/2018			**1/14/2019**		8/30/2019
GROUP 1	Norman's Noy-Broadway	124/125	8550 E Broadway, San Gabriel	7.00	**8/13/2007**	9/24/2007	**12/7/2007**	**1/5/2008**	8/12/2008	9/24/2008	**11/26/2008**	**12/15/2008**	10/12/2009	ns*	8/18/2010	ns*	**3/21/2011**	10/11/2011						nv				**2/28/2014**			10/7/2014				9/30/2015					9/20/2016	1/20/2017	**2/17/2017**	9/28/2017		**1/9/2018**			9/18/2018	**11/29/2018**		8/22/2019	
GROUP 1	Ultra Greens	178	13102 Maclay Street, Sylmar	8.50	Site not included as a sampling location.						11/26/2008	**12/15/2008**	10/12/2009	ns*	8/17/2010	ns*		10/11/2011						nv				**2/28/2014**			10/7/2014				9/30/2015					9/20/2016		**2/17/2017**	9/28/2017		**1/9/2018**			9/18/2018	**11/29/2018**		8/22/2019	
GROUP 1	Valley Sod Farms, Inc.	184	16405 Chase Street, North Hills	36.00	Site not included as a sampling location.				**11/26/2008**	**12/15/2008**	10/12/2009	ns*	8/17/2010	ns*	8/17/2010	ns*		10/11/2011						nv				**2/28/2014**			10/7/2014				9/30/2015					9/20/2016			9/28/2017		**1/9/2018**			9/18/2018	11/29/2018		8/22/2019	
GROUP 2	Acosta Growers Inc.	11	669 S. Azusa Ave., Azusa	7.50	Site not included as a sampling location.													Rotating Site				8/28/2012						nv			12/2/2014				10/2/2015													
GROUP 2	M Downard-Rainbow Garden Nursery	110	1132 S Grand Avenue, Glendora	3.75	8/8/2007	9/25/2007	**1/4/2008**	ns[4]	8/12/2008	9/23/2008	11/26/2008	**12/15/2008**	10/11/2009	ns*	8/18/2010	ns*			10/12/2011			8/28/2012						nv			12/2/2014				10/2/2015													
GROUP 2	R Wilson-Colorama Wholesale Nursery	150	1025 N. Todd Avenue, Azusa	15.30	8/8/2007	**9/25/2007**	**12/7/2007**	ns[4]	8/12/2008	9/23/2008	**11/26/2008**	**12/15/2008**	10/12/2009	ns*	8/18/2010	ns*	**3/21/2011**		10/12/2011			8/28/2012						nv			**12/2/2014**				10/2/2015					9/20/2016		**2/17/2017**	9/28/2017		Site no longer in Operation.						
GROUP 2	West Covina Wholesale-Damien	189	3424 Damien Ave, La Verne	1.25	8/8/2007	9/25/2007	**1/4/2008**	ns[4]	8/12/2008	9/23/2008	11/26/2008	**12/15/2008**	10/12/2009	ns*	8/18/2010	ns*			10/12/2011			8/28/2012						nv			12/2/2014				10/2/2015													
GROUP 3	Coiner Nursery	31	285 San Fidel, La Puente	48.00	8/21/2007	9/28/2007	ns[4]	ns[4]	8/12/2008	**9/23/2008**	**11/26/2008**	**12/15/2008**	10/12/2009	ns*	8/18/2010	ns*				**3/17/2012**			9/26/2012			10/10/2013		**2/28/14**[5]				5/15/2015			1/15/2016													
GROUP 3	H&H Nursery of Lakewood	64	6220 Lakewood Boulevard, Lakewood	2.50	8/21/2007	9/28/2007	**1/23/2008**	ns[4]	8/12/2008	9/25/2008	11/26/2008	**12/15/2008**	10/13/2009	ns*	8/17/2010	ns*				**3/17/2012**			9/26/2012			10/10/2013						5/15/2015			**1/15/2016**										**3/22/2018**	9/13/2018			**1/14/2019**		8/30/2019
GROUP 3	Centeno's Nursery and Landscaping	81	6850 Paramount Blvd., Long Beach	3.00	Site not included as a sampling location.																					10/10/2013				5/15/2015			1/15/2016													
GROUP 3	SY Nursery Inc.	168	19900 S Pioneer Blvd, Cerritos	4.75	**8/13/2007**	**9/28/2007**	**11/30/2007**	**1/25/2008**	8/12/2008	9/24/2008	11/26/2008	**12/15/2008**	10/13/2009	ns*	8/17/2010	ns*				**3/17/2012**			9/26/2012			10/10/2013						**5/15/2015**			**1/15/2016**		9/2/2016		1/20/2017			10/6/2017		**3/22/2018**	9/13/2018			**1/14/2019**		8/30/2019
GROUP 4	ABC Nursery, Inc.	4	424 E. Gardena Boulevard, Gardena	11.51	8/9/2007	9/24/2007	**12/7/2007**	**1/23/2008**	**8/13/2008**	9/24/2008	11/26/2008	**12/15/2008**	10/12/2009	ns*	8/17/2010	ns*	**3/21/2011**				**3/25/2012**			1/25/2013			10/11/2013			10/8/2014					nv	9/2/2016		**1/20/2017**			10/6/2017		**3/22/2018**	9/13/2018			**1/14/2019**		8/30/2019
GROUP 4	G Hernandez-New Westgrowers	53	1601 S. Santa Fe Ave, Compton	1.70	8/9/2007	9/24/2007	**12/18/2007**	**1/23/2008**	8/12/2008	9/24/2008	11/26/2008	12/15/2008	10/13/2009	ns*	8/17/2010	ns*					3/25/2012			1/25/2013			10/11/2013			10/8/2014					nv														
GROUP 4	T-Y Nursery	176	Between Paulina/Prospect, Redondo Beach	7.50	8/9/2007	9/24/2007	**12/18/2007**	ns[4]	8/13/2008	9/24/2008	11/26/2008	12/15/2008	10/13/2009	ns*	8/17/2010	ns*					**3/25/2012**						10/11/2013			10/8/2014					nv	9/2/2016		**1/20/2017**			10/6/2017		3/22/2018	9/13/2018			1/14/2019		8/30/2019
GROUP 4	Church Estate Vinyard	210	6415 Busch Drive, Malibu	2.75	Site not included as a sampling location.				**11/26/2008**	12/15/2008	10/13/2009	ns*	8/19/2010	ns*							**3/25/2012**						10/11/2013			10/8/2014					nv														
ROTATING SAMPLE SITES	Canyon Way Nursery	26	11745 Sherman Way, Studio City	4.25	Site not included as a sampling location.																							**2/28/2014**																					
ROTATING SAMPLE SITES	Color Spot Nurseries, Inc.	33	321 W. Sepulveda Blvd., Carson	18.50	Site not included as a sampling location.																						10/11/2013																					
ROTATING SAMPLE SITES	Carreon Nursery	50	7900 La Merced Road, Rosemead	6.00	Site not included as a sampling location.																		9/26/2012																									
ROTATING SAMPLE SITES	Live Art Plantscapes, Inc.	105	18809 Plummer St, Northridge	1.80	Site not included as a sampling location.													10/11/2011																															
ROTATING SAMPLE SITES	Sakaida Nursery	158	8601 Longden Ave., San Gabriel	6.89	Site not included as a sampling location.																									10/17/2014							9/20/2016		**2/17/2017**	9/28/2017		1/9/2018			9/18/2018	**11/29/2018**		8/22/2019	
ROTATING SAMPLE SITES	West Covina Wholesale-Damien	188	1340 Puddingstone Dr., La Verne	15.25	Site not included as a sampling location.																										**12/2/2014**																				
ROTATING SAMPLE SITES	El Nativo Growers	202	200 S. Peckham Azusa, CA	7.00	Site not included as a sampling location.																															9/2/2016			**2/17/2017**		10/6/2017	**1/9/2018**			9/18/2018	**11/29/2018**		8/22/2019	
ROTATING SAMPLE SITES	Worldwide Exotics	204	11157 Orcas Ave., Lake Terrace	2.00	Site not included as a sampling location.																													9/30/2015																
ROTATING SAMPLE SITES	Lam Farms	212	8600 Jefferson, Paramount	1.00	Site not included as a sampling location.																														1/15/2016														
ROTATING SAMPLE SITES	Choji Matsushita	226	724 N. Cataract Av., San Dimas	1.70	Site not included as a sampling location.																														10/2/2015														
ROTATING SAMPLE SITES	ABC Rhubarb	261	6208 Clara St., Bell Gardens	5.00	Site not included as a sampling location.																																											
DISCONTINUED SAMPLING SITES	Acosta Growers Inc.	13	16412 Wedgeworth Dr, Hacienda Hights	4.50	8/8/2007	9/24/2007	**12/18/2007**	ns[4]	8/13/2008	9/24/2008	11/26/2008	12/15/2008	10/12/2009	ns*	8/18/2010	ns*			10/12/2011			8/28/2012				Site no longer in operation.																									
DISCONTINUED SAMPLING SITES	Brothers Nursery, Inc.	20	Cerritos & Newburgh St, Azusa	2.98	Site not included as a sampling location.													10/12/2011							Site no longer in operation.																									
DISCONTINUED SAMPLING SITES	Carlos Soto, Jr^	25	600 W. Alondra Blvd, Gardena	3.50	8/9/2007	9/24/2007	ns[4]	ns[4]	8/13/2008	9/25/2008	**11/26/2008**	12/15/2008	10/11/2009	ns*	8/19/2010	ns*	Site no longer in operation.																																			
DISCONTINUED SAMPLING SITES	Norman's Nursery-Ramona	122	12500 Ramona Blvd, Baldwin Park	39.93	Site not included as a sampling location.										3/17/2012								9/26/2012			Site no longer in operation.																									
DISCONTINUED SAMPLING SITES	Norman's Noy-Rosemead^	130	475 Rosemead Blvd, S. El Monte	16.56	**8/6/2007**	9/24/2007	**12/7/2007**	**1/24/2008**	8/13/2008	9/24/2008	**11/26/2008**	**12/15/2008**	10/13/2009	ns*	8/19/2010	ns*	Site no longer in operation.																																			
DISCONTINUED SAMPLING SITES	San Gabriel Nursery & Florist	162	2015 Potrero Grande, Monterey Park	6.00	Site not included as a sampling location.										**3/17/2012**											10/10/2013										Lot Sold														
DISCONTINUED SAMPLING SITES	Toro Nursery Inc.	170	17585 Crenshaw Blvd, Torrance	15.78	Site not included as a sampling location.											**3/25/2012**				1/25/2013															Unknown														
DISCONTINUED SAMPLING SITES	Valley Crest Tree Company ^	182	16202 Yarnell St. and 16222 Filbert St, Sylmar	16.00	8/21/2007	9/25/2007	**12/7/2007**	**1/24/2008**	Site no longer in operation.																																											
DISCONTINUED SAMPLING SITES	Valley Sod Farms, Inc. ^	183	6301 Balboa Boulevard, Encino	60.00	**8/6/2007**	**9/26/2007**	**12/18/2007**	**1/5/2008**	Site no longer in operation.																																											
DISCONTINUED SAMPLING SITES	Malibu Vineyard	221	3222 Rambla Pacifica, Malibu	2.00	Site not included as a sampling location.																								10/8/2014				Unknown																			
DISCONTINUED SAMPLING SITES	Schoolkopf Vineyard^	224	31499 Pacific Coast Highway, Malibu	0.80	Site not included as a sampling location.				11/26/2008	12/15/2008	10/11/2009	ns*	8/19/2010	ns*	Site no longer in operation.																																						
DISCONTINUED SAMPLING SITES	ABC Rhubarb	261	6208 Clara St., Bell Gardens	5.00	Site not included as a sampling location.																																												

1 Wet Season sampling events took place over five storms due to localized rain patterns and a general lack of uniform storm intensity and duration.

2 Wet Season sampling events took place during two storm days where all sites were visited.

3 The previous CWIL (Order R4-2005-0080) was replaced on October 7, 2010 with the adoption of a new Waiver (Order R4-2010-0186). As a good faith measure, the LAILG conducted a sampling event during the wet season between the execution of the new CWIL and the required submittal date of an MRP on April 7, 2011.

4 Site visited on multiple dates during multiple storms

5 Sample collected for Council of Watershed Health

6 Event #1 aborted early due to lack of rain

ns Not sampled due to minimal rainfall and/or no runoff observed during sampling event.

* No sampling activities were conducted

nv Not visited, no storm event sufficient to trigger sampling.

Sample Collected

RANDOMIZED LIST OF SITE VISITS AND COLLECTED SAMPLES
NURSERY GROWERS ASSOCIATION
LOS ANGELES COUNTY IRRIGATED LANDS GROUP

	OWNER/TENANT	NGA #	PROPERTY ADDRESS	ACREAGE (Irrigated)	CWIL Order # R4-2016-0143	
					YEAR 4	YEAR 5
					Wet Season [1]	Dry Season
					Event #1	Event #1
LARGE	Green Landscape Nursery	143	22216 1/2 Placerita Canyon Rd., Santa Clarita	3.75	3/10/2020	
LARGE	Brightview Tree Company	320	9500 Foothill Blvd., Sunland	5.00		9/9/2020
LARGE	Normans Nursery, Inc.	132	8624 Duarte Rd South, San Gabriel	6.50		9/9/2020
MEDIUM	New View Landscape, Inc./Green View Nursery	386	West of Lindley between San Jose and Devonshire, Northridge	5.10	3/10/2020	
MEDIUM	Acosta Growers Inc.	400	17000 Block of Renwick Rd, Azusa	3.71		9/9/2020
SMALL	Champa Nursery	503	4254 Tyler Ave., El Monte	0.50	3/10/2020	
SMALL	Ben K Bonsai Nursery	264	2301 Kelburn Ave., Rosemead	0.75		9/9/2020
SMALL	Saticoy Nursery	316	18058 San Fernando Mission Blvd.	5.00		9/9/2020
MICRO	Roscoe Nursery	392	12741 Cantara St., North Hollywood	2.60	3/10/2020	
MICRO	Barranquilla Nursery	211	28920 Bouquet Canyon Rd., Saugus	2.00		9/9/2020
RESAMPLE	Ultra Greens	178	13102 Maclay Street, Sylmar	8.50	3/10/2020	9/9/2020

1 Backup Sites for Event #1 aborted early due to end of storm

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 3 INTERIM
GENERAL CHEMISTRY
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	General Chemistry												
			Ammonia	Chloride	Diss Ortho	Nitrate	Sulfate	Diss Phos	TDS	Total Ortho	Total Phos	TSS	CA Hardness, as CaCO3	Ca/Mg	Cu
NGA #124	LAILG-NGA-124-10	11/29/2018	1.1	44	1.800	**28**	140	1.9	610	1.8	0.28	420	186	74.7	0.120
NGA #158	LAILG-NGA-158-2	11/29/2018	0.67	13	0.610	**8.0**	74	0.68	190	0.59	1.4	300	90	36.0	0.096
NGA #178	LAILG-NGA-178-5	11/29/2018	3.6	**290**	2.300	**17**	**250**	2.4	**1300**	2.3	2.8	160	242	96.8	0.042
NGA #202	LAILG-NGA-202-3	11/29/2018	0.22	37	1.200	**8.5**	56	1.3	300	1.2	1.4	87	83.8	33.5	0.056
Duplicate	LAILG-NGA-DUP	11/29/2018	0.22	38	1.300	**8.7**	58	1.2	310	1.3	1.3	77	85.9	34.4	0.056
Equip Blank	LAILG-NGA-EB	11/29/2018	<0.10	<0.50	<0.0020	<0.11	<0.50	<0.010	19	<0.0020	<0.010	<5	0.372	0.149	0.0014
Field Blank	LAILG-NGA- FB	11/29/2018	<0.10	<0.50	<0.0020	<0.11	<0.50	<0.010	<10.0	<0.0020	<0.010	<5	<0.250	0.149	0.00060
NGA #4	LAILG-NGA-4-10	1/14/2019	0.24	1.8	0.086	0.67	1.1	0.16	<10	0.084	0.21	31	12.5	3.70/0.784	0.009
NGA #19	LAILG-NGA-19-10	1/14/2019	1.9	51	0.630	**31/40** [EO]	40	0.11	490	0.63	3.2	780	287	81.6/20.1	0.057
NGA #64	LAILG-NGA-64-6	1/14/2019	0.21	6.0	0.240	3.1	7.8	0.018	49	0.23	0.51	140	39.4	10.6/3.15	0.013
NGA #168	LAILG-NGA-168-10	1/14/2019	0.18	27	0.400	**11**	44	0.054	220	0.41	0.90	97	98.5	25.9/8.21	0.026
CWIL Limits			See Table 7												
MRL			0.10	0.50	0.0020	0.11	0.5	0.010	10.0	0.0020	0.010	5	0.250	0.100	0.00050

Concentrations are reported in milligrams per liter (mg/L). Results above CWIL Limits are presented in**BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated by the QA Officer.

CWIL	Conditional waiver for irrigated lands	**	The recommended holding time for filtering is only 15 minutes. The sample was filtered as soon as possible but was filtered past holding time. However, the sample was analyzed within holding time.
EB	Estimated concentration, constituent detected at greater than 10% in equipment blank		
FD	Estimated concentration. Field Duplicate RPD >25%.	MRL	Method Reporting Limit
FB	Estimated concentration, constituent detected at greater than 10% in field blank	*	Due to the high concetration of analyte inherent in the sample, sample was diluted prior to analysis. The MDL and MRL were raised due to this dilution.
EO	First reported value above calibration range, second run 1 hour out of holding time		

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 1
GENERAL CHEMISTRY
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	General Chemistry											
			Ammonia	Chloride	Diss Ortho	Nitrate	Sulfate	Diss Phos	TDS	Total Ortho	Total Phos	TSS	CA Hardness, as CaCO3	Ca	Cu
NGA #4	LAILG-NGA4-5	3/21/2011	0.69	10	0.31 EB	1.5	8.3	0.52	110	0.31 EB	2.6	810	62	25	0.230
NGA #124	LAILG-NGA124-6	3/21/2011	0.36	9.7	1.8 EB	6.7	24	1.8	240	1.8 EB	2.7	620 FD	61	24	0.045
NGA # 150	LAILG-NGA 150-5	3/21/2011	3.7	28	12 EB	**120**	60 MS-02	32	**1,200**	12 EB	32	110	300	120	0.031
NGA #19	LAILG-NGA19-6	3/23/2011	0.54 MS-01	110	0.86 EB,MS-01	**55**	250	1.1	**1,200**	0.86 EB,MS-02	3.4	550	440	180	0.090
Duplicate	LAILG-NGA-DUP	3/21/2011	0.35	9.7	1.7 EB	6.6	24	1.8	220	1.7 EB	2.3	82	57	23	0.035
Equip Blank	LAILG-NGA-EB	3/21/2011	nd	nd	2.0	nd	nd	nd	nd	2.0	nd	nd	0.37	0.15	0.0028
Field Blank	LAILG-NGA- FB	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168	LAILG-NGA168-6	3/17/2012	0.89	82	1.1 O9	**35**	**470**	1.7	**1,100**	1.1 O9	8.4	1200	500	200	0.110
NGA #31	LAILG-NGA31-4	3/17/2012	1.1	55	1.0 O9	**12**	160	0.90	520	1.0 O9	2.0	81	240	95	0.027
NGA #162	LAILG-NGA162-1	3/17/2012	0.16	35	0.96 O9	5.9	120	0.95	350	0.96 O9	1.0	5	140	57	0.014
NGA #64	LAILG-NGA64-3	3/17/2012	0.79 FD	5.8	0.28 O9	0.70 FD	8.4	0.32	57	0.28 O9	1.5 FD	500 FD	51	21	0.047
Duplicate	LAILG-NGA-DUP	3/17/2012	0.60	5.4	0.25 O9	1.3	8.6	0.27	46	0.25 O9	1.1	380	44	18	0.049
Equip Blank	LAILG-NGA-EB	3/17/2012	nd	nd	nd O9	nd	nd	nd	nd	nd O9	nd	nd	nd	nd	0.00073
Field Blank	LAILG-NGA- FB	3/17/2012	nd	nd	nd O9	nd	nd	nd	nd	nd O9	nd	nd	nd	nd	0.00050
NGA #4	LAILG-NGA4-6	3/25/2012	na*	69	1.1	**17**	52	1.0	320	1.1	1.4	34 FD	100 FD	42 FD	0.051
NGA #170	LAILG-NGA170-1	3/25/2012	0.31	18	0.65	1.6	14	0.60	130	0.65	0.86	100	61	24	0.030
NGA #176	LAILG-NGA176-2	3/25/2012	0.30	29	0.99	8.7	43	0.99	220	0.99	2.2	550	80	32	0.066
NGA #210	LAILG-NGA210-2	3/25/2012	0.20	110	1.4	0.57	**250**	1.3	**700**	1.4	2.8 MS-02	86	270	110	0.0060
Duplicate	LAILG-NGA-DUP	3/25/2012	2.2 P	55	1.1	**17**	44	1.1	290	1.1	1.3	21	61	25	0.051
Equip Blank	LAILG-NGA-EB	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Field Blank	LAILG-NGA- FB	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CWIL Limits			See Table 7												
MDL			0.048	0.10	0.00022	0.020	0.10	0.0014	4.0	0.00022	0.0014	5	0.039	0.016	0.00027
RL			0.10	0.50	0.002	0.11	0.50	0.010	10	0.002	0.010	5	0.25	0.10	0.00050

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CWIL	Conditional waiver for irrigated lands
EB	Estimated concentration, constituent detected at greater than 10% in equipment blank
FD	Estimated concentration. Field Duplicate RPD >25%.
FB	Estimated concentration, constituent detected at greater than 10% in field blank
na*	Ammonia not analyzed due to sample collection via peristaltic pump
p	Estimated concentration due to sample collection via peristaltic pump
O9	This sample was received with the EPA recommended holding time expired.
MS-01	The spike recovery for this QC sample is outside of the established control limits possibly due to matrix interference.
MS-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 3
GENERAL CHEMISTRY
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	General Chemistry											
			Ammonia	Chloride	Diss Ortho	Nitrate	Sulfate	Diss Phos	TDS	Total Ortho	Total Phos	TSS	CA Hardness, as CaCO3	Ca	Cu
NGA #19	LAILG-NGA19-7	2/28/2014	1.4	120	2.400**	**53**	160	2.8	**1,000**	2.4**	4.7	650[FD]	319	128	0.056
NGA #26	LAILG-NGA26-1	2/28/2014	2.4	73	1.800**	6.4	180	2.1	590	1.8**	2.3	49	158	63.2	0.056
NGA #124	LAILG-NGA124-7	2/28/2014	4.5	21	1.200**	**13**	100	1.5	420	1.2**	2.2	160	125	50.2	0.049
NGA #178	LAILG-NGA178-2	2/28/2014	0.87	**120**	2.200**	**10**	**370**	2.4	**940**	2.2**	3.6	270	324	130	0.030
NGA #184	LAILG-NGA184-3	2/28/2014	0.23	2.5	0.330**	0.40	1.6	0.44	41	0.33**	0.72	160	13.8	5.54	0.0079
Duplicate	LAILG-NGA-DUP	2/28/2014	1.4	120	2.800**	**51**	170	3.1	**1100**	2.8**	5.4	470[FD]	320	128	0.057
Equip Blank	LAILG-NGA-EB	2/28/2014	<0.10	<0.50	<0.0020	<0.11	<0.50	<0.010	<10	<0.0020	<0.10	<5	<0.250	<0.100	<0.00050
Field Blank	LAILG-NGA- FB	2/28/2014	<0.10	<0.50	<0.0020	<0.11	<0.50	<0.010	<10	<0.0020	<0.10	<5	<0.250	<0.100	<0.00050
CWIL Limits			See Table 7												
MRL			0.10	0.50	0.0020	0.11	0.50	0.010	10.0	0.0020	0.10	5	0.250	0.100	0.00050

Concentrations are reported in milligrams per liter (mg/L). Results above CWIL Limits are presented in**BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated by the QA Officer.

CWIL Conditional waiver for irrigated lands
EB Estimated concentration, constituent detected at greater than 10% in equipment blank
FD Estimated concentration. Field Duplicate RPD >25%.
FB Estimated concentration, constituent detected at greater than 10% in field blank
** The recommended holding time for filtering is only 15 minutes. The sample was filtered as soon as possible but was filtered past holding time. However, the sample was analyzed within holding time.
MRL Method Reporting Limit

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 4
GENERAL CHEMISTRY
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	General Chemistry											
			Ammonia	Chloride	Diss Ortho	Nitrate	Sulfate	Diss Phos	TDS	Total Ortho	Total Phos	TSS	CA Hardness, as CaCO3	Ca	Cu
NGA #150	LAILG-NGA-150-6	12/2/2014	0.41	60	2.4**	**13**	**130**	2.6	**530**	2.5**	3.7	240	179	71.8	0.095
NGA #188	LAILG-NGA-188-1	12/2/2014	0.31	38	0.56**	4.4	110	0.80	330	0.56**	2.0**FD**	2000**FD**	141	56.3	0.036
Duplicate	LAILG-NGA-DUP	12/2/2014	0.27	35	0.58**	4.4	92	0.64	290	0.60**	1.4	430	126	50.6	0.031
NGA #168	LAILG-NGA-168-7	5/15/2015	0.18	57	0.36**	**11**	120	0.44	400	0.36**	0.74	91	134	53.7	0.036
Equip Blank	LAILG-NGA-EB	12/2/2014	<0.10	2.0	<0.0020**	<0.100	<0.50	<0.010	10	<0.0020**	<0.010	<5	1.64	0.656	0.0011
Field Blank	LAILG-NGA- FB	12/2/2014	<0.10	<0.50	<0.0020**	<0.100	<0.50	<0.010	<10.0	<0.0020**	<0.010	<5	<0.250	<0.100	<0.00050
CWIL Limits			See Table 7												
MRL			0.10	0.50	0.0020	0.100	0.50	0.010	10.0	0.0020	0.010	5	0.250	0.100	0.00050

Concentrations are reported in milligrams per liter (mg/L). Results above CWIL Limits are presented in**BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated by the QA Officer.

CWIL Conditional waiver for irrigated lands
EB Estimated concentration, constituent detected at greater than 10% in equipment blank
FD Estimated concentration. Field Duplicate RPD >25%.
FB Estimated concentration, constituent detected at greater than 10% in field blank
** The recommended holding time for filtering is only 15 minutes. The sample was filtered as soon as possible but was filtered past holding time. However, the sample was analyzed within holding time.
MRL Method Reporting Limit

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 5 CONTINUATION
GENERAL CHEMISTRY
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	General Chemistry											
			Ammonia	Chloride	Diss Ortho	Nitrate	Sulfate	Diss Phos	TDS	Total Ortho	Total Phos	TSS	CA Hardness, as CaCO3	Ca	Cu
NGA #64	LAILG-NGA-64-4	1/5/2016	0.63	3.9	0.15**	0.70	7.2	0.17	45	0.16**	0.5	190	28.3	11.3	0.027
NGA #168	LAILG-NGA-168-8	1/5/2016	0.36	41	0.32**	**15**	160	0.45	410	0.32**	0.80	140	162	64.9	0.036
Duplicate	LAILG-NGA-DUP	1/5/2016	0.36	39	0.35**	**15**	160	0.5	410	0.35**	0.91	160	159	63.6	0.041
Equip Blank	LAILG-NGA-EB	1/5/2016	<0.10	<0.50	<0.0020**	<0.100	<0.50	<0.010	<10.0	<0.0020**	<0.010	<5	<0.250	<0.100	<0.00050
Field Blank	LAILG-NGA- FB	1/5/2016	<0.10	<0.50	<0.0020**	<0.100	<0.50	<0.010	<10.0	<0.0020**	<0.010	<5	<0.250	<0.100	<0.00050
CWIL Limits			See Table 7												
MRL			0.10	0.50	0.0020	0.100	0.50	0.010	10.0	0.0020	0.010	5	0.250	0.100	0.00050

Concentrations are reported in milligrams per liter (mg/L). Results above CWIL Limits are presented in**BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated by the QA Officer.

CWIL Conditional waiver for irrigated lands

EB Estimated concentration, constituent detected at greater than 10% in equipment blank

FD Estimated concentration. Field Duplicate RPD >25%.

FB Estimated concentration, constituent detected at greater than 10% in field blank

** The recommended holding time for filtering is only 15 minutes. The sample was filtered as soon as possible but was filtered past holding time. However, the sample was analyzed within holding time.

MRL Method Reporting Limit

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 1 INTERIM
GENERAL CHEMISTRY
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	General Chemistry											
			Ammonia	Chloride	Diss Ortho	Nitrate	Sulfate	Diss Phos	TDS	Total Ortho	Total Phos	TSS	CA Hardness, as CaCO3	Ca	Cu
NGA #4	LAILG-NGA-4-8	1/20/2017	0.33	3.3	0.082**	0.76	2.4	0.080	46	0.082**	0.12	15	7.58	3.04	0.0045
NGA #19	LAILG-NGA-19-8	1/20/2017	0.31	42 FD	0.78**	**25** FD	61 FD	0.82	700 FD	0.78**	2.7 FD	430 FD	163	65.2	0.047 FD
NGA #176	LAILG-NGA-176-3	1/20/2017	<0.10	3.9	0.28**	0.70	3.6	0.32	97	0.28**	0.70	360	13.4	5.38	0.029
Duplicate	LAILG-NGA-DUP	1/20/2017	0.33	27	0.86**	**15**	42	0.85	400	0.86**	5.2	1000	180	72.2	0.095
NGA #124	LAILG-NGA-124-8	2/17/2017	0.50	7.6	0.77**	3.8	70	0.73*	270	0.76**	3.9	740	120	48.1	0.120
NGA #150	LAILG-NGA-150-7	2/17/2017	1.4	10	3.3**	**11**	54	3.3*	300	3.3**	4.0	180	73.8	29.6	0.057
NGA #158	LAILG-NGA-158-1	2/17/2017	0.18	1.9	0.19**	0.55	20	0.29	38	0.19**	0.60	110	29.5	11.8	0.039
NGA #178	LAILG-NGA-178-3	2/17/2017	0.58	**74**	1.3**	0.55	**200**	1.3*	**720**	1.3**	13*	2900	431	173	0.37
NGA #202	LAILG-NGA- 202-1	2/17/2017	0.11	6.5	0.45**	1.8	18	0.47*	140	0.46**	0.81	130	39.7	15.9	0.038
CWIL Limits			See Table 7												
MRL			0.10	0.50	0.0020	0.100	0.50	0.010	10.0	0.0020	0.010	5	0.250	0.100	0.00050

Concentrations are reported in milligrams per liter (mg/L). Results above CWIL Limits are presented in **BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated by the QA Officer.

CWIL	Conditional waiver for irrigated lands	**	The recommended holding time for filtering is only 15 minutes. The sample was filtered as soon as possible but was filtered past holding time. However, the sample was analyzed within holding time.
EB	Estimated concentration, constituent detected at greater than 10% in equipment blank		
FD	Estimated concentration. Field Duplicate RPD >25%.	MRL	Method Reporting Limit
FB	Estimated concentration, constituent detected at greater than 10% in field blank	*	Due to the high concetration of analyte inherent in the sample, sample was diluted prior to analysis. The MDL and MRL were raised due to this dilution.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 2 INTERIM
GENERAL CHEMISTRY
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	General Chemistry											
			Ammonia	Chloride	Diss Ortho	Nitrate	Sulfate	Diss Phos	TDS	Total Ortho	Total Phos	TSS	CA Hardness, as CaCO3	Ca	Cu
NGA #124	LAILG-NGA-124-9	1/9/2018	4.1	44	1.900	1.0	270	2.0	**840**	1.8	3.0	150	327	131	0.059
NGA #178	LAILG-NGA-178-4	1/9/2018	0.48	**87**	2.400	3.9	**100**	2.4	**520**	2.4	5.6	930	172	69	0.073
NGA #184	LAILG-NGA-184-4	1/9/2018	7.4	23	1.500	1.3	61	1.7	240	1.5	10	230	104	41.8	0.110
NGA #202	LAILG-NGA-202-2	1/9/2018	0.23	30	1.800	7.2	60	1.8	310	1.8	2.2	61	99.2	39.7	0.037
NGA #4	LAILG-NGA-4-9	3/22/2018	0.32	2.4	0.250	0.58	2.5	0.22	42	0.25	0.44	82	13.5	5.42	0.022
NGA #19	LAILG-NGA-19-9	3/22/2018	0.53	140	0.480	**93**	150	0.54	**1,400**	0.48	3.3	760	434	174	0.060
NGA #64	LAILG-NGA-64-5	3/22/2018	0.37	3.3	0.260	1.4	5.8	0.26	92	0.26	0.64	110	29.1	11.7	0.013
NGA #168	LAILG-NGA-168-9	3/22/2018	0.14	32	0.450	**10**	200	0.52	470	0.45	0.69	35	155	62.0	0.027
CWIL Limits			See Table 7												
MRL			0.10	0.50	0.0020	0.11	2.0	0.010	10.0	0.0020	0.010	5	0.250	0.100	0.00050

Concentrations are reported in milligrams per liter (mg/L). Results above CWIL Limits are presented in **BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated by the QA Officer.

CWIL	Conditional waiver for irrigated lands	**	The recommended holding time for filtering is only 15 minutes. The sample was filtered as soon as possible but was filtered past holding time. However, the sample was analyzed within holding time.
EB	Estimated concentration, constituent detected at greater than 10% in equipment blank		
FD	Estimated concentration. Field Duplicate RPD >25%.	MRL	Method Reporting Limit
FB	Estimated concentration, constituent detected at greater than 10% in field blank	*	Due to the high concetration of analyte inherent in the sample, sample was diluted prior to analysis. The MDL and MRL were raised due to this dilution.

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
GENERAL CHEMISTRY
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	General Chemistry									
			Ammonia	Chloride	Diss Ortho	Nitrate	Sulfate	Total Diss Phos	TDS	Total Ortho	Total Phos	TSS
NGA #130	NGA-#130-LAILG-1	8/6/2007	2.5	58.34	2.2457	**50.44**	43.04	2.29	**1,170**	2.05	2.305	6.3
NGA #183	NGA-#183-LAILG-1	8/6/2007	0.04[J]	**209.97**	0.2336	0.13	177.83	0.23	223	0.23	0.264	11
NGA #19	NGA-#19-LAILG-1	8/13/2007	1	108.57	2.2882	**10.84**	118.85	2.68	**772**	4.62	5.09	568
NGA #124	NGA-#124-LAILG-1	8/13/2007	9.8	69.23	3.5006	**72.48**	206.25	4.31	**1,002**	3.96	4.627	99.5
NGA #168	NGA-#168-LAILG-1	8/13/2007	0.4	81.85	1.977	4.93	131.16	2.28	**664**	2.13	3.243	122
NGA BLANK	NGA LAILG-BLANK-1	8/13/2007	0.04[J]	nd	nd	nd	nd	nd	32	nd	nd	nd
NGA FBLI	NGA-LAILG-FBLI	8/21/2007	0.01[J]	nd	nd	0.016[J]	nd	nd	nd	nd	nd	nd
NGA EQBLI	NGA-LAILG-EQBLI	8/21/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #150	NGA-#150-LAILG	9/25/2007	**52.4**	95.9	26.84	**355.6**	87	22.5	**2279**	23	24	57
NGA #183	ILG-#183	9/26/2007	13.5[B]	51.63	1.4457[B]	**11.35**[B]	57.38[B]	1.64[B]	317[B]	2.24[B]	0.858[B]	28.7[B]
GA #183-DU	ILGNGA-#Dup	9/26/2007	29[B]	55.3	4.193[B]	**26.77**[B]	89.17[B]	4.29[B]	434[B]	5.66[B]	4.488[B]	20[B]
NGA #EQUIP	ILGNGA-#Equip	9/26/2007	nd	nd	nd	nd	nd	nd	5	nd	nd	nd
NGA #FIELD	ILGNGA-#FIELD-2	9/28/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168-2	ILGNGA-#168-2	9/28/2007	2.2	172.52	1.582[C]	8.91	340.14[E]	2.15	**1,297**	3.51	5.379	504
NGA #168	NGA-#168-LAILG-3	11/30/2007	0.48	101.43	2.1635	**30.81**	245.04[E]	2.67	**951**	3.13	3.548	nd
NGA #182	NGA #182-LAILG-1	12/7/2007	0.4	**60.71**	1.7533	**19.85**	**159.87**[F]	1.52	**456**	1.41	1.554	20.3
GA #182-DU	NGA-Duplicate	12/7/2007	0.42	59.2	1.8269	**19.71**	118.48[F]	1.51	**552**	1.56	1.523	20.7
NGA #4	NGA #4-LAILG-1	12/7/2007	0.48	20.64	1.1355	4.03	20.39[F]	0.8	186	0.77	0.829	58
NGA #130	NGA #130-LAILG-2	12/7/2007	0.3	**162.95**	1.0247	**26.16**	190[F]	0.91	**830**	0.74	0.94	51
NGA #150	NGA #150-LAILG-2	12/7/2007	2.9	27.34	14.0243	**80.89**	56.59[F]	9.43	**780**	8.89	9.445	40
NGA #124	NGA-#124-LAILG-2	12/7/2007	4.6	33.03	3.9247	**45.41**	59.24[F]	2.9	**550**	2.76	3.168	90
NGA #EQUIP	NGA-equip blank	12/7/2007	nd	nd	nd	nd	1.13	nd	nd	nd	nd	nd
NGA #FIELD	Field Blank-2	12/18/2007	nd	nd	nd	nd	nd	nd	6	nd	nd	nd
NGA #176	NGA-#176-LAILG-1	12/18/2007	5.5	56.82	0.7145	3.85	293.12	0.54	**680**	12.21	3.447	6,168
NGA #183	LAILG-NGA#183-3	12/18/2007	1.95	28.41	2.344	**11.37**	41.11	2.78	292	3.14	3.561	92
NGA #19	LAILG-NGA#19-2	12/18/2007	1.4	162.66	11.2352	**86.7**	290.99	2.13	**1,292**	4.01	5.544	684
NGA #13	LAILG-NGA#13-1	12/18/2007	1.6	5.46	0.2033	1.72	32.27	0.49	32	1.44	2.878	944
NGA #53	LAILG-NGA#53-1	12/18/2007	0.7	4.72	0.2973	0.49	12.51	0.57	132	0.75	1.188	124
CWIL Limits			See Table X									
MDL			0.01	0.01	0.0075	0.01	0.01	0.016	0.1	0.01	0.016	0.5
RL			0.05	0.05	0.01	0.05	0.05	0.05	5	0.01	0.05	5

Concentrations are reported in milligrams per liter (mg/L). Results above CWIL Limits are presented in**BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes;

CWIL	Conditional waiver for irrigated lands
B	**Estimated concentration, since RPD of duplicate is >25%**
C	Procedural blank matrix spike recovery out of limits
E	ESTIMATED CONCENTRATION, matrix spike does not meet acceptance criteria
F	Sulfate detected in lab blank, at 1.09 mg/L.
J	Estimated concentrations, results above MDL but less than RL

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
GENERAL CHEMISTRY
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	General Chemistry									
			Ammonia	Chloride	Diss Ortho	Nitrate	Sulfate	Total Diss Phos	TDS	Total Ortho	Total Phos	TSS
NGA #110	LAILG-NGA110-1	1/4/2008	0.41	10.65	1.3052	2.36	18.22	1.74	162	1.81	2.033	24
NGA #189	LAILG-NGA189-1	1/4/2008	0.59	7.29	0.6851	1.83	26.43	1.33	192	1.8	2.475	20
NGA #19	LAILG-NGA19-3	1/5/2008	0.12	**157.52**	0.2125	0.44	**451.78**	0.96	**1,030**	1.26	1.173	84
NGA #124	LAILG-NGA124-3	1/5/2008	15.5	28.3	0.9814	**28.34**[Q1]	57.68	1.66	378	1.66	2.228	40
NGA #183	LAILG-NGA183-4	1/5/2008	0.73	5.82	1.0874	1.4	6.36	0.23	106	1.29	1.729	510
NGA #4	LAILG-NGA4-2	1/23/2008	0.24	1.45	0.1891	0.6	3.87	0.15	145	0.26	1.848	27
NGA #53	LAILG-NGA53-2	1/23/2008	0.31	2.19	0.6425	0.76	14.92	0.82	nd	0.68	1.993	516
NGA #64	LAILG-NGA64-1	1/23/2008	0.20	3.82	0.2818	3.83	101.1	0.3	nd	0.46	0.393	76
NGA #130	LAILG-NGA130-3	1/24/2008	0.15	58.12	0.264	3.64	107.65	0.26	383	0.27	0.314	16
NGA #182	LAILG-NGA182-2	1/24/2008	0.17[M4]	7.39	0.6085	1.91[M4]	14.22	0.76	218	0.81	0.825	64
NGA #168	LAILG-NGA168-4	1/25/2008	0.38	65.9	3.053	**14.58**	117.44	3.07	**592**	5.45	2.363	1126.7
NGA # 19	LAILG-NGA 19-4	8/12/2008	0.03[FB]	104.03	1.1877	**12.65**	107.33	1.75	834	1.86	15.494	213
NGA # 4	LAILG-NGA 4-3	8/13/2008	0.68	350.11	11.5262	**200.18**	219.52	69.7[FD]	**2,238**	13.05	31.713	371[FD]
Duplicate	LAILG-NGA-DUP	8/13/2008	0.71	397.47	9.0404	**212**	252.22	34.87[FD]	**2,350**	12	26.483	787[FD]
NGA # 31	LAILG-NGA 31-1	9/23/2008	0.13[FD]	82.13[EB,FB]	1.562[H,FD]	**17.3**	134.93	1.472[H]	602	2.34[H]	1.813[H,FD]	162
Duplicate	LAILG-NGA-DUP	9/23/2008	0.37[FD]	82.37[EB,FB]	2.629[H,FD]	**19.64**	136.19[M4]	1.84 [H]	626	2.10[H]	0.883 [H,M3]	127
NGA # 19	LAILG-NGA 19-5	11/26/2008	0.96	115.72	1.507	**26.94**	126.35	1.356	748	4.69	4.884	995
NGA # 210	LAILG-NGA 210-1	11/26/2008	0.11	155.92	1.892	0.92	**336.78**	2.185	**884**	3.23	3.722	542
NGA # 184	LAILG-NGA 184-1	11/26/2008	0.46	31.44	0.609	3.12	17.92	0.643	206[FB]	0.88	1.3	129.5
Duplicate	LAILG-NGA-DUP	11/26/2008	0.48	32.51	0.616	3.1	18.68	0.65	214[FB]	0.86	1.297	128
NGA # 124	LAILG-NGA 124-4	11/26/2008	0.48	37.78	2.595	**28.36**	84.22	2.975	568	2.53	3.297	117
NGA # 31	LAILG-NGA 31-2	11/26/2008	0.76	6.12	0.474	3.6	14.84	0.497	104[FB]	1.63	1.94	353
NGA # 130	LAILG-NGA 130-4	11/26/2008	0.68	95.81	0.228	**9.17**	183.82	0.652	616	0.8	1.046	97
NGA # 150	LAILG-NGA 150-3	11/26/2008	**32.2**	65.92	31.579	**114.76**	**258.65**	49.896	**2,446**	37.69	48.048	45.5
NGA # 25	LAILG-NGA 25-1	11/26/2008	0.85	21.99	1.1712	5.31	51.95	1.338	166[FB]	1.38	1.641	168.5
NGA # 150	LAILG-NGA 150-4	12/15/2008	15.75	47.27	26.0911	**268.53**	**125.27**[M4]	24.935[M4]	**1704**[EB]	2.94	24.75[M4]	333.5
NGA # 124	LAILG-NGA 124-5	12/15/2008	1.68	26.51	24.4087	**40.43**	45.28	21.115	424[EB]	3.66	2.706	115.5
NGA # 189	LAILG-NGA 189-2	12/15/2008	0.54	31.28	0.6795	**9.87**	41.27	0.813	220[EB]	0.99	1.261	111.3
NGA # 110	LAILG-NGA 110-2	12/15/2008	0.31	28.59	1.186	**8.48**	50.87	1.469	328[EB]	1.6	1.868	93
NGA # 31	LAILG-NGA 31-3	12/15/2008	4.32	36.98	3.0228	**12.14**	57.58	2.148	364[EB]	2.87	3.155	85.5
NGA # 184	LAILG-NGA 184-2	12/15/2008	0.64	27.46	0.7339	4.41	33.57	0.502	240[EB]	2.16	2.94	1,079
NGA # 130	LAILG-NGA 130-5	12/15/2008	0.52	46.43	0.4392	**11.81**	67.8	0.481	258[EB]	0.47	0.512	59.7
NGA # 178	LAILG-NGA 178-1	12/15/2008	0.81	**85.04**	2.4077	**12.99**	**148.27**	2.648	**462**[EB]	2.64	2.934	72.7[FD]
Duplicate	LAILG-NGA-DUP	12/15/2008	0.79	**102.32**	2.3169	**14.99**	**173.96**	2.604	**588**	2.62	2.944	49.3
NGA # 64	LAILG-NGA 64-2	12/15/2008	1.15	12.38[EB]	0.4307	5.39	35.34	0.49	232[EB]	0.71	0.868	112
NGA # 168	LAILG-NGA 168-5	12/15/2008	0.25	53.4	1.4434	**15.33**	130.75	1.568	492[EB]	2.24	2.386	236
NGA # 4	LAILG-NGA 4-4	12/15/2008	0.52	8.67[EB]	1.0382	2.7	15.23	0.158	238[EB]	2.33	2.231	295
CWIL Limits			See Table X									
MDL			0.01	0.01	0.0075	0.01	0.01	0.016	0	0.01	0.016	0.5
RL			0.05	0.05	0.01	0.05	0.05	0.05	5	0.01	0.05	5

Concentrations are reported in milligrams per liter (mg/L). Results above CWIL Limits are presented in **BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes;

CWIL Conditional waiver for irrigated lands
EB Estimated concentration, constituent detected at greater than 10% in equipment blank
FD Estimated concentration. Field Duplicate RPD >25%.
FB Estimated concentration, constituent detected at greater than 10% in field blank
H Sample received and /or analyzed past the recommended holding time.
M3 Detection of the analyte was difficult due to matrix interference.
M4 Spike or surrogate compound recovery was out of control due to matrix interference. The associated method blank spike or surrogate compound was in control and therefore the sample data was reported without further clarification.
Q1 Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 3 INTERIM
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides															
			2,4'-DDD	2, 4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	BHC-alpha	BHC-beta	BHC-delta	BHC-gamma	Chlordane-alpha	Chlordane-gamma	Dieldrin	Endosulfan Sulfate	Endosulphan-I	Endosulfan-II
NGA #124	LAILG-NGA-124-10	11/29/2018	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
NGA #158	LAILG-NGA-158-2	11/29/2018	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
NGA #178	LAILG-NGA-178-5	11/29/2018	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
NGA #202	LAILG-NGA-202-3	11/29/2018	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Duplicate	LAILG-NGA-DUP	11/29/2018	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
Equip Blank	LAILG-NGA-EB	11/29/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Field Blank	LAILG-NGA- FB	11/29/2018	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NGA #4	LAILG-NGA-4-10	1/14/2019	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
NGA #19	LAILG-NGA-19-10	1/14/2019	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
NGA #64	LAILG-NGA-64-6	1/14/2019	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
NGA #168	LAILG-NGA-168-10	1/14/2019	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100
WQB			nl	**0.59**	nl	**0.84**	**0.59**	**0.59**	**0.13**	**3.9**	**14**	nl	**19**	nl	nl	**0.14**	**110,000**	**110,000**	**110,000**
MRL			5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD.** Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL	Conditional waiver for irrigated lands
WQB	Water Quality Benchmarks
MRL	Method Reporting Limits
nl	not listed

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 2 INTERIM
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides															
			2,4'-DDD	2, 4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	BHC-alpha	BHC-beta	BHC-delta	BHC-gamma	Chlordane-alpha	Chlordane-gamma	Dieldrin	Endosulfan Sulfate	Endosulphan-I	Endosulfan-II
NGA #124	LAILG-NGA-124-9	1/9/2018	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #178	LAILG-NGA-178-4	1/9/2018	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #184	LAILG-NGA-184-4	1/9/2018	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #202	LAILG-NGA-202-2	1/9/2018	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #4	LAILG-NGA-4-9	3/22/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NGA #19	LAILG-NGA-19-9	3/22/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NGA #64	LAILG-NGA-64-5	3/22/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
NGA #168	LAILG-NGA-168-9	3/22/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10
WQB			nl	**0.59**	nl	**0.84**	**0.59**	**0.59**	**0.13**	**3.9**	**14**	nl	**19**	nl	nl	**0.14**	**110,000**	**110,000**	**110,000**
MRL			5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD.** Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL Conditional waiver for irrigated lands
WQB Water Quality Benchmarks
MRL Method Reporting Limits
nl not listed

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 1 INTERIM
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides															
			2,4'-DDD	2, 4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	BHC-alpha	BHC-beta	BHC-delta	BHC-gamma	Chlordane-alpha	Chlordane-gamma	Dieldrin	Endosulfan Sulfate	Endosulphan-I	Endosulfan-II
NGA #4	LAILG-NGA-4-8	1/20/2017	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #19	LAILG-NGA-19-8	1/20/2017	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #176	LAILG-NGA-176-3	1/20/2017	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Duplicate	LAILG-NGA-DUP	1/20/2017	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #124	LAILG-NGA-124-8	2/17/2017	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #150	LAILG-NGA-150-7	2/17/2017	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #158	LAILG-NGA-158-1	2/17/2017	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #178	LAILG-NGA-178-3	2/17/2017	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #202	LAILG-NGA- 202-1	2/17/2017	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
WQB			nl	**0.59**	nl	**0.84**	**0.59**	**0.59**	**0.13**	**3.9**	**14**	nl	**19**	nl	nl	**0.14**	**110,000**	**110,000**	**110,000**
MRL			5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD.** Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL	Conditional waiver for irrigated lands
WQB	Water Quality Benchmarks
MRL	Method Reporting Limits
nl	not listed

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 5 CONTINUATION
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides															
			2,4'-DDD	2, 4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	BHC-alpha	BHC-beta	BHC-delta	BHC-gamma	Chlordane-alpha	Chlordane-gamma	Dieldrin	Endosulfan Sulfate	Endosulphan-I	Endosulfan-II
NGA #64	LAILG-NGA-64-4	1/5/2016	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #168	LAILG-NGA-168-8	1/5/2016	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Duplicate	LAILG-NGA-DUP	1/5/2016	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Equip Blank	LAILG-NGA-EB	1/5/2016	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Field Blank	LAILG-NGA-FB	1/5/2016	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
WQB			nl	**0.59**	nl	**0.84**	**0.59**	**0.59**	**0.13**	**3.9**	**14**	nl	**19**	nl	nl	**0.14**	**110,000**	**110,000**	**110,000**
MRL			5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD.** Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL Conditional waiver for irrigated lands
WQB Water Quality Benchmarks
MRL Method Reporting Limits
nl not listed

M-04 Visual evaluation of the sample indicates the RPD or QC spike is above the control limit due to a non-homogeneous sample matrix

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 4
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides															
			2,4'-DDD	2, 4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	BHC-alpha	BHC-beta	BHC-delta	BHC-gamma	Chlordane-alpha	Chlordane-gamma	Dieldrin	Endosulfan Sulfate	Endosulphan-I	Endosulfan-II
NGA #150	LAILG-NGA-150-6	12/2/2014	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50
NGA #188	LAILG-NGA-188-1	12/2/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Duplicate	LAILG-NGA-DUP	12/2/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
NGA #168	LAILG-NGA-168-7	5/15/2015	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Equip Blank	LAILG-NGA-EB	12/2/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Field Blank	LAILG-NGA- FB	12/2/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
WQB			nl	**0.59**	nl	**0.84**	**0.59**	**0.59**	**0.13**	**3.9**	**14**	nl	**19**	nl	nl	**0.14**	**110,000**	**110,000**	**110,000**
MRL			5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD.** Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL Conditional waiver for irrigated lands
WQB Water Quality Benchmarks
MRL Method Reporting Limits
nl not listed

M-04 Visual evaluation of the sample indicates the RPD or QC spike is above the control limit due to a non-homogeneous sample matrix

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 3
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides															
			2,4'-DDD	2, 4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	BHC-alpha	BHC-beta	BHC-delta	BHC-gamma	Chlordane-alpha	Chlordane-gamma	Dieldrin	Endosulfan Sulfate	Endosulphan-I	Endosulfan-II
NGA #19	LAILG-NGA19-7	2/28/2014	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #26	LAILG-NGA26-1	2/28/2014	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #124	LAILG-NGA124-7	2/28/2014	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #178	LAILG-NGA178-2	2/28/2014	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
NGA #184	LAILG-NGA184-3	2/28/2014	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Duplicate	LAILG-NGA-DUP	2/28/2014	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
Equip Blank	LAILG-NGA-EB	2/28/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Field Blank	LAILG-NGA- FB	2/28/2014	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
WQB			nl	**0.59**	nl	**0.84**	**0.59**	**0.59**	**0.13**	**3.9**	**14**	nl	**19**	nl	nl	**0.14**	**110,000**	**110,000**	**110,000**
MRL			5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD.** Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL Conditional waiver for irrigated lands
WQB Water Quality Benchmarks
MRL Method Reporting Limits
nl not listed

M-04 Visual evaluation of the sample indicates the RPD or QC spike is above the control limit due to a non-homogeneous sample matrix

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 1
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides																
			2,4'-DDD	2, 4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	BHC-alpha	BHC-beta	BHC-delta	BHC-gamma	Chlordane-alpha	Chlordane-gamma	Dieldrin	Endosulfan Sulfate	Endosulphan-I	Endosulfan-II
NGA #4	LAILG-NGA4-5	3/21/2011	nd	nd	nd	nd	**17**	**21**	nd	nd	nd	nd	nd	**13**	**18**	nd	nd	nd	nd
NGA #124	LAILG-NGA124-6	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	**33**[FD]	nd	nd	nd
NGA # 150	LAILG-NGA 150-5	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #19	LAILG-NGA19-6	3/23/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	**22**	nd	nd	nd
Equip Blank	LAILG-NGA-EB	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Field Blank	LAILG-NGA- FB	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168	LAILG-NGA168-6	3/17/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[BSL]	nd
NGA #31	LAILG-NGA31-4	3/17/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[BSL]	nd
NGA #162	LAILG-NGA162-1	3/17/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[BSL]	nd
NGA #64	LAILG-NGA64-3	3/17/2012	nd	nd	nd	nd	**28**[FD]	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[BSL]	nd
Duplicate	LAILG-NGA-DUP	3/17/2012	nd	nd	nd	nd	**51**	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[BSL]	nd
Equip Blank	LAILG-NGA-EB	3/17/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[BSL]	nd
Field Blank	LAILG-NGA- FB	3/17/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[BSL]	nd
NGA #4	LAILG-NGA4-6	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #170	LAILG-NGA170-1	3/25/2012	nd	nd	nd	nd	**9.6**	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #176	LAILG-NGA176-2	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #210	LAILG-NGA210-2	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Equip Blank	LAILG-NGA-EB	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Field Blank	LAILG-NGA- FB	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CWIL Limits			nl	**0.59**	nl	**0.84**	**0.59**	**0.59**	nl	nl	nl	nl	nl	nl	nl	**0.14**	nl	nl	nl
MDL			5.0	5.0	5.0	5.0	2.5	3.1	1.5	1.8	3.1	2.5	2.1	5.0	5.0	2.1	5.0	1.7	1.9
RL			5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0

Concentrations are reported in nanograms per liter (ng/L). **Results above CWIL Limits are presented in BOLD.** Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL	Conditional waiver for irrigated lands
FD	Estimated concentration. Field Duplicate RPD >25%.
J	Estimated concentrations, results above MDL but less than RL
MDL	Method Detection Limits
RL	Reporting Limits
nd	not detected
nl	not listed

S4	The surrogate recovery for this sample is outside of established control limits due to possible sample matrix effect.
SGC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
BS-L	The recovery of this analyte in the BS/LCS was below the control limit. Sample result is suspect.

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides																
			2,4'-DDD	2, 4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	BHC-alpha	BHC-beta	BHC-delta	BHC-gamma	Chlordane-alpha	Chlordane-gamma	cis-Nonachlor	DCPA	Dicofol	Dieldrin
NGA #110	LAILG-NGA110-1	1/4/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #189	LAILG-NGA189-1	1/4/2008	nd	nd	nd	nd	**22.5**	nd	nd	nd	nd	nd	nd	nd	6	nd	nd	nd	nd
NGA #19	LAILG-NGA19-3	1/5/2008	nd	nd	nd	nd	nd	**5.6**	nd	nd	nd	nd	nd	2.3[J]	nd	nd	nd	nd	nd
NGA #124	LAILG-NGA124-3	1/5/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #183	LAILG-NGA183-4	1/5/2008	nd	nd	nd	**12**	**26.5**	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #4	LAILG-NGA4-2	1/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #53	LAILG-NGA53-2	1/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #64	LAILG-NGA64-1	1/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #130	LAILG-NGA130-3	1/24/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #182	LAILG-NGA182-2	1/24/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168	LAILG-NGA168-4	1/25/2008	nd	nd	nd	nd	**19.2**	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 19	LAILG-NGA19-4	8/12/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.0[J]	2.1[J]	nd	nd	nd	nd
NGA # 4	LAILG-NGA 4-3	8/13/2008	nd	nd[M4]	nd	nd	nd	nd	nd	nd	nd[M4]	nd	nd	9.2[Q2,FD]	9.8[M4,Q2,FD]	12.7[Q2,FD]	nd	485.7[Q1,Q2,FD]	nd[M4]
Duplicate	LAILG-NGA-DUP	8/13/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	29.8[FD]	41.3[FD]	44.3[FD]	nd	1064.3[FD]	nd
NGA # 31	LAILG-NGA 31-1	9/23/2008	nd	nd	nd	nd	**13.5**	nd	nd	nd	nd	nd	nd	nd	7.6[FD]	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	9/23/2008	nd	nd	nd	nd	**13.6**	nd	nd	nd	nd	nd	nd	nd	11.6[FD]	nd	nd	nd	nd
NGA # 19	LAILG-NGA 19-5	11/26/2008	nd	nd	nd	nd	**24.7[Q6]**	nd	nd	nd	nd	nd	nd	7.5[J,Q3]	6.1	nd	nd	nd	nd
NGA # 210	LAILG-NGA 210-1	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 184	LAILG-NGA 184-1	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 124	LAILG-NGA 124-4	11/26/2008	nd	nd	nd	nd	**19.3**	nd	nd	nd	nd	nd	nd	3.7[J]	2.8[J]	nd	nd	nd	nd
NGA # 31	LAILG-NGA 31-2	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.8	6.3	nd	nd	nd	nd
NGA # 130	LAILG-NGA 130-4	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.7[J]	nd	nd
NGA # 150	LAILG-NGA 150-3	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 25	LAILG-NGA 25-1	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.6	4.9[J]	1.0[J]	nd	nd	nd
NGA # 150	LAILG-NGA 150-4	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 124	LAILG-NGA 124-5	12/15/2008	nd	nd	nd	**10.4**	nd	nd	nd	nd	nd	nd	nd	5.5	4.2[J]	nd	6.3[J]	nd	nd
NGA # 189	LAILG-NGA 189-2	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 110	LAILG-NGA 110-2	12/15/2008	nd	nd	nd	**6.2**	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 31	LAILG-NGA 31-3	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 184	LAILG-NGA 184-2	12/15/2008	nd	nd	nd	nd	**22**	nd	nd	nd	nd	nd	nd	nd	4.2[J]	nd	nd	nd	nd
NGA # 130	LAILG-NGA 130-5	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 178	LAILG-NGA 178-1	12/15/2008	nd	nd[M4]	nd[M4]	nd[M4]	**25.3[FD]**	nd[M4]	nd	nd	nd[M4]	nd	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	12/15/2008	nd	nd	nd	nd	nd[FD]	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 64	LAILG-NGA 64-2	12/15/2008	nd	nd	nd	nd	**43.3**	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 168	LAILG-NGA 168-5	12/15/2008	nd	nd	nd	nd	**11.8**	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 4	LAILG-NGA 4-4	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	35.1	34.2	6.5	nd	nd	nd
CWIL Limits			nl	nl	nl	**0.59**	**0.59**	**0.83**	**0.13**	**3.9**	**14**	nl	**19**	**a)**	**a)**	**a)**	nl	nl	**0.14**
MDL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	50	1
RL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	10	100	5

Concentrations are reported in nanograms per liter (ng/L). **Results above CWIL Limits are presented in BOLD.** Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL Conditional waiver for irrigated lands
FD Estimated concentration. Field Duplicate RPD >25%.
J Estimated concentrations, results above MDL but less than RL
MDL Method Detection Limits
RL Reporting Limits
nd not detected
nl not listed

M4 Spike or surrogate compound recovery was out of control due to matrix interference. The associated method blank spike or surrogate compound was in control and therefore the sample data was reported without further clarification.

Q1 Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration.

Q2 The sample RPD was out of control. Sample is heterogeneous and sample homogeneity could not be readily achieved using routine laboratory practices.

Q3 RPD values are not accurate and not applicable because the results for R1 and/or R2 are lower than ten times the MDL.

Q6 CRG's Quality Assurance Program Document allows for 5% of the target compounds greater than ten times the MDL to be outside the specified acceptance limits for precision and/or accuracy. This is often due to random error and cannot be attributed to a specific reason.

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides																
			2,4'-DDD	2, 4'-DDE	2,4'-DDT	4,4'-DDD	4,4'-DDE	4,4'-DDT	Aldrin	BHC-alpha	BHC-beta	BHC-delta	BHC-gamma	Chlordane-alpha	Chlordane-gamma	cis-Nonachlor	DCPA	Dicofol	Dieldrin
NGA #130	NGA-#130-LAILG-1	8/6/2007	nd	nd	nd	**22.8**	**34.7**	**16.1**	nd	nd	nd	nd	nd	nd	nd	nd	nd	68.3[J]	nd
NGA #183	NGA-#183-LAILG-1	8/6/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #19	NGA-#19-LAILG-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #124	NGA-#124-LAILG-1	8/13/2007	nd	nd	nd	**22.5**	**15.3**	**13.7**	nd	nd	nd	nd	nd	nd	nd	12.1	nd	nd	nd
NGA #168	NGA-#168-LAILG-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA BLANK	NGA LAILG-BLANK-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA FBLI	NGA-LAILG-FBLI	8/21/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA EQBLI	NGA-LAILG-EQBLI	8/21/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #150	NGA-#150-LAILG	9/25/2007	nd	nd	nd	nd	nd	nd[D]	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #183	ILG-#183	9/26/2007	25[B]	nd	31.8[B]	**90.3**[B]	**113.8**[B]	**51.1**[B,D]	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #183-DUP	ILGNGA-#Dup	9/26/2007	nd[B]	nd	nd[B]	**64.5**[B]	**70.2**[B]	nd[B,D]	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #EQUIP	ILGNGA-#Equip	9/26/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #FIELD	ILGNGA-#FIELD-2	9/28/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168-2	ILGNGA-#168-2	9/28/2007	nd	nd	17.3	**16.7**	nd	**84**[D]	nd	nd	nd	nd	nd	nd	nd	nd	nd	52[J]	nd
NGA #168	NGA-#168-LAILG-3	11/30/2007	nd	nd	nd	nd	**2.7**[J]	nd[C]	nd	nd	nd	nd	nd	1.4[J]	1.4[J]	1.1[J]	nd	nd	nd
NGA #182	NGA #182-LAILG-1	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #182-DUP	NGA-Duplicate	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #4	NGA #4-LAILG-1	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #130	NGA #130-LAILG-2	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #150	NGA #150-LAILG-2	12/7/2007	nd	nd	nd	nd	nd	nd	**35.2**	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #124	NGA-#124-LAILG-2	12/7/2007	nd	nd	nd	**6.0**	**22.1**	**9.3**	nd	nd	nd	nd	nd	1.1[J]	3.0[J]	nd	nd	63.7[J]	nd
NGA #EQUIP	NGA-equip blank	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #FIELD	Field Blank-2	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #176	LAILG-NGA#176-1	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #183	LAILG-NGA#183-3	12/18/2007	36.8	5.7	20.6	**224.8**	**344.4**	**73.5**	nd	nd	nd	nd	nd	nd	nd	nd	nd	51.5[J]	nd
NGA #19	LAILG-NGA#19-2	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #13	LAILG-NGA#13-1	12/18/2007	nd	nd	nd	nd	**32.7**	nd	nd	nd	nd	nd	nd	18	19.2	19.6	nd	nd	nd
NGA #53	LAILG-NGA#53-1	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CWIL Limits			nl	nl	nl	**0.59**	**0.59**	**0.83**	**0.13**	**3.9**	**14**	nl	**19**	**a)**	**a)**	**a)**	nl	nl	**0.14**
MDL			1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	50	1
RL			5	5	5	5	5	5	5	5	5	5	5	5	5	5	10	100	5

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in **BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL	Conditional waiver for irrigated lands	MDL	Method Detection Limits
A	Component of total chlordane, see total chlordane for CWIL limitations	RL	Reporting Limits
B	**Estimated concentration, RPD of duplicate sample >25%**	nd	not detected
C	Procedural blank Matrix Spike recovery out of limits	nl	not listed
D	Procedural blank Matrix Spike Duplicate RPD out of limits	na	not analyzed
J	Estimated concentrations, results above MDL but less than RL		

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 3 INTERIM
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides												Sample Notes
			Aroclor XXXX, Sum of	Endrin	Endrin Aldehyde	Chlordane (tech)	Heptachlor	Heptachlor Epoxide	Methoxychlor	Mirex	Toxaphene	trans-Nonachlor	cis-Nonachlor	Total Chlordane	
NGA #124	LAILG-NGA-124-10	11/29/2018	<2000	<100	<100	<2000	<100	<100	<100	<100	<10000	<100	<100	<100	M-04
NGA #158	LAILG-NGA-158-2	11/29/2018	<2000	<100	<100	<2000	<100	<100	<100	<100	<10000	<100	<100	<100	M-04
NGA #178	LAILG-NGA-178-5	11/29/2018	<5000	<50	<50	<1000	<50	<50	<50	<50	<5000	<50	<50	<50	M-04
NGA #202	LAILG-NGA-202-3	11/29/2018	<5000	<50	<50	<1000	<50	<50	<50	<50	<5000	<50	<50	<50	M-04
Duplicate	LAILG-NGA-DUP	11/29/2018	<5000	<50	<50	<1000	<50	<50	<50	<50	<5000	<50	<50	<50	M-04
Equip Blank	LAILG-NGA-EB	11/29/2018	<100	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<500	<5.0	<5.0	<5.0	
Field Blank	LAILG-NGA- FB	11/29/2018	<100	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<500	<5.0	<5.0	<5.0	
NGA #4	LAILG-NGA-4-10	1/14/2019	<2000	<100	<100	<2000	<100	<100	<100	<100	<10000	<100	<100	<100	M-04
NGA #19	LAILG-NGA-19-10	1/14/2019	<2000	<100	<100	<2000	<100	<100	<100	<100	<10000	<100	<100	<100	M-04
NGA #64	LAILG-NGA-64-6	1/14/2019	<1000	<50	<50	<1000	<50	<50	<50	<50	<5000	<50	<50	<50	M-04
NGA #168	LAILG-NGA-168-10	1/14/2019	<2000	<100	<100	<2000	<100	<100	<100	<100	<10000	<100	<100	<100	M-04
WQB			nl	**760**	**760**	nl	**0.21**	**0.1**	nl	nl	**0.75**	nl	nl	**0.59**	
MRL			100	5.0	5.0	100	5.0	5.0	5.0	5.0	500	5	5.0	5.0	

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD**. Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL Conditional waiver for irrigated lands
WQB Water Quality Benchmarks
MRL Method Reporting Limits
nl not listed

M-04 Due to the nature of marix interfrenences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 2 INTERIM
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides											Sample Notes
			Aroclor XXXX, Sum of	Endrin	Endrin Aldehyde	Chlordane (tech)	Heptachlor	Heptachlor Epoxide	Methoxychlor	Mirex	Toxaphene	trans-Nonachlor	cis-Nonachlor	Total Chlordane	
NGA #124	LAILG-NGA-124-9	1/9/2018	<1000	<50	<50	<1000	<50	<50	<50	<50	<5000	<50	<50	<50	M-04
NGA #178	LAILG-NGA-178-4	1/9/2018	<2500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #184	LAILG-NGA-184-4	1/9/2018	<2000	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #202	LAILG-NGA-202-2	1/9/2018	2500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #4	LAILG-NGA-4-9	3/22/2018	<500	<10	<10	<200	<10	<10	<10	<10	<2500	<10	<10	<10	M-04
NGA #19	LAILG-NGA-19-9	3/22/2018	<500	<10	<10	<200	<10	<10	<10	<10	<2500	<10	<10	<10	M-04
NGA #64	LAILG-NGA-64-5	3/22/2018	<500	<10	<10	<200	<10	<10	<10	<10	<2500	<10	<10	<10	M-04
NGA #168	LAILG-NGA-168-9	3/22/2018	<500	<10	<10	<200	<10	<10	<10	<10	<2500	<10	<10	<10	M-04
WQB			nl	**760**	**760**	nl	**0.21**	**0.1**	nl	nl	**0.75**	nl	nl	**0.59**	
MRL			100	5.0	5.0	100	5.0	5.0	5.0	5.0	500	5	5.0	5.0	

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD**. Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL	Conditional waiver for irrigated lands
WQB	Water Quality Benchmarks
MRL	Method Reporting Limits
nl	not listed

M-04	Due to the nature of marix interfrenences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 1 INTERIM
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides												Sample Notes
			Aroclor XXXX, Sum of	Endrin	Endrin Aldehyde	Chlordane (tech)	Heptachlor	Heptachlor Epoxide	Methoxychlor	Mirex	Toxaphene	trans-Nonachlor	cis-Nonachlor	Total Chlordane	
NGA #4	LAILG-NGA-4-8	1/20/2017	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #19	LAILG-NGA-19-8	1/20/2017	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #176	LAILG-NGA-176-3	1/20/2017	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
Duplicate	LAILG-NGA-DUP	1/20/2017	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #124	LAILG-NGA-124-8	2/17/2017	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #150	LAILG-NGA-150-7	2/17/2017	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #158	LAILG-NGA-158-1	2/17/2017	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #178	LAILG-NGA-178-3	2/17/2017	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #202	LAILG-NGA- 202-1	2/17/2017	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
WQB			nl	**760**	**760**	nl	**0.21**	**0.1**	nl	nl	**0.75**	nl	nl	**0.59**	
MRL			100	5.0	5.0	100	5.0	5.0	5.0	5.0	500	5	5.0	5.0	

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD**. Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL Conditional waiver for irrigated lands
WQB Water Quality Benchmarks
MRL Method Reporting Limits
nl not listed

M-04 Due to the nature of matrix interfrenences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 5 CONTINUATION
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides												Sample Notes
			Aroclor XXXX, Sum of	Endrin	Endrin Aldehyde	Chlordane (tech)	Heptachlor	Heptachlor Epoxide	Methoxychlor	Mirex	Toxaphene	trans-Nonachlor	cis-Nonachlor	Total Chlordane	
NGA #64	LAILG-NGA-64-6	1/5/2016	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #168	LAILG-NGA-168-1	1/5/2016	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
Duplicate	LAILG-NGA-DUP	1/5/2016	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
Equip Blank	LAILG-NGA-EB	1/5/2016	<100	<5.0	<5.0	<100	**68**	<5.0	<5.0	<5.0	<500	<5.0	<5.0	<5.0	
Field Blank	LAILG-NGA-FB	1/5/2016	<100	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<500	<5.0	<5.0	<5.0	
WQB			nl	**760**	**760**	nl	**0.21**	**0.1**	nl	nl	**0.75**	nl	nl	**0.59**	
MRL			100	5.0	5.0	100	5.0	5.0	5.0	5.0	500	5	5.0	5.0	

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD**. Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL	Conditional waiver for irrigated lands
WQB	Water Quality Benchmarks
MRL	Method Reporting Limits
nl	not listed

M-04	Due to the nature of marix interfrenences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 4
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides												Sample Notes
			Aroclor XXXX, Sum of	Endrin	Endrin Aldehyde	Chlordane (tech)	Heptachlor	Heptachlor Epoxide	Methoxychlor	Mirex	Toxaphene	trans-Nonachlor	cis-Nonachlor	Total Chlordane	
NGA #150	LAILG-NGA-150-6	12/2/2014	<1000	<50	<50	<1000	<50	<50	<50	<50	<5000	<50	<50	<50	M-04
NGA #188	LAILG-NGA-188-1	12/2/2014	<100	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<500	<5.0	<5.0	<5.0	
Duplicate	LAILG-NGA-DUP	12/2/2014	<100	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<500	<5.0	<5.0	<5.0	
NGA #168	LAILG-NGA-168-7	5/15/2015	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
Equip Blank	LAILG-NGA-EB	12/2/2014	<100	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<500	<5.0	<5.0	<5.0	
Field Blank	LAILG-NGA- FB	12/2/2014	<100	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<500	<5.0	<5.0	<5.0	
WQB			nl	**760**	**760**	nl	**0.21**	**0.1**	nl	nl	**0.75**	nl	nl	**0.59**	
MRL			100	5.0	5.0	100	5.0	5.0	5.0	5.0	500	5	5.0	5.0	

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD**. Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL	Conditional waiver for irrigated lands
WQB	Water Quality Benchmarks
MRL	Method Reporting Limits
nl	not listed

M-04	Due to the nature of marix interfrenences, sample extract was diluted prior to analysis. The MDL and MRL were raised due to the dilution.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 3
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides											Sample Notes
			Aroclor XXXX, Sum of	Endrin	Endrin Aldehyde	Chlordane (tech)	Heptachlor	Heptachlor Epoxide	Methoxychlor	Mirex	Toxaphene	trans-Nonachlor	cis-Nonachlor	Total Chlordane	
NGA #19	LAILG-NGA19-7	2/28/2014	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #26	LAILG-NGA26-1	2/28/2014	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #124	LAILG-NGA124-7	2/28/2014	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #178	LAILG-NGA178-2	2/28/2014	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
NGA #184	LAILG-NGA184-3	2/28/2014	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
Duplicate	LAILG-NGA-DUP	2/28/2014	<500	<25	<25	<500	<25	<25	<25	<25	<2500	<25	<25	<25	M-04
Equip Blank	LAILG-NGA-EB	2/28/2014	<100	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<500	<5.0	<5.0	<5.0	
Field Blank	LAILG-NGA- FB	2/28/2014	<100	<5.0	<5.0	<100	<5.0	<5.0	<5.0	<5.0	<500	<5.0	<5.0	<5.0	
WQB			nl	**760**	**760**	nl	**0.21**	**0.1**	nl	nl	**0.75**	nl	nl	**0.59**	
MRL			100	5.0	5.0	100	5.0	5.0	5.0	5.0	500	5	5.0	5.0	

Concentrations are reported in nanograms per liter (ng/L). **Results above WQB are presented in BOLD**. Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL Conditional waiver for irrigated lands
WQB Water Quality Benchmarks
MRL Method Reporting Limits
nl not listed

M-04 Visual evaluation of the sample indicates the RPD or QC spike is above the control limit due to a non-homogeneous sample matrix

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 1
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Chlorinated Pesticides										
			Aroclor XXXX, Sum of	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Mirex	Toxaphene	trans-Nonachlor	Total Chlordane
NGA #4	LAILG-NGA#4-2	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.6	**39.6**
NGA #124	LAILG-NGA#124-3	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 150	LAILG-NGA 150-3	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #19	LAILG-NGA#19-2	3/23/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Equip Blank	LAILG-NGA-EB	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Field Blank	LAILG-NGA- FB	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168	LAILG-NGA168-6	3/17/2012	nd	nd	nd	nd[S4]	nd	nd	nd	nd	nd	nd	nd
NGA #31	LAILG-NGA31-4	3/17/2012	nd	nd	nd	nd[S4]	nd	nd	nd	nd	nd	nd	nd
NGA #162	LAILG-NGA162-1	3/17/2012	nd	nd	nd	nd[S4]	nd	nd	nd	nd	nd	nd	nd
NGA #64	LAILG-NGA64-3	3/17/2012	nd	nd	nd	nd[S4]	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	3/17/2012	nd	nd	nd	nd[S4]	nd	nd	nd	nd	nd	nd	nd
Equip Blank	LAILG-NGA-EB	3/17/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Field Blank	LAILG-NGA- FB	3/17/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #4	LAILG-NGA4-6	3/25/2012	nd	nd	nd	nd[SGC]	nd	nd	nd	nd	nd	nd	nd
NGA #170	LAILG-NGA170-1	3/25/2012	nd	nd	nd	nd[SGC]	nd	nd	nd	nd	nd	nd	nd
NGA #176	LAILG-NGA176-2	3/25/2012	nd	nd	nd	nd[SGC]	nd	nd	nd	nd	nd	nd	nd
NGA #210	LAILG-NGA210-2	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	3/25/2012	nd	nd	nd	nd[S4]	nd	nd	nd	nd	nd	nd	nd
Equip Blank	LAILG-NGA-EB	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Field Blank	LAILG-NGA- FB	3/25/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CWIL Limits			nl	nl	nl	nl	nl	nl	nl	nl	**0.75**	nl	**0.59**
MDL			40	2.8	3.0	2.0	1.7	1.9	5.0	5.0	120	5.0	5.0
RL			100	5.0	5.0	20.0	5.0	5.0	5.0	5.0	500	5.0	5.0

Concentrations are reported in nanograms per liter (ng/L). **Results above CWIL Limits are presented in BOLD**. Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL	Conditional waiver for irrigated lands	S4	The surrogate recovery for this sample is outside of established control limits due to possible sample matrix effect.
MDL	Method Detection Limits		
J	Estimated concentrations, results above MDL but less than RL	SGC	Surrogate recovery outside of control limits due to a possible matrix effect . The data was accepted based on valid recovery of the remaining surrogate.
RL	Reporting Limits		
nd	not detected	BS-L	The recovery of this analyte in the BS/LCS was below the control limit. Sample result is suspect.
nl	not listed		
FD	Estimated concentration. Field Duplicate RPD >25%.		

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Endosulfan Sulfate	Endosulphan-I	Endosulfan-II	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Kepone	Mirex	Oxychlordane	Perthane	Toxaphene	trans-Nonachlor	Total Chlordane
NGA #110	LAILG-NGA#110-1	1/4/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #189	LAILG-NGA#189-1	1/4/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.9	**14.9**
NGA #19	LAILG-NGA#19-2	1/5/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	14	**16.3**
NGA #124	LAILG-NGA#124-3	1/5/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	17.1	**17.1**
NGA #183	LAILG-NGA#183-4	1/5/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #4	LAILG-NGA#4-2	1/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #53	LAILG-NGA#53-2	1/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #64	LAILG-NGA#64-1	1/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #130	LAILG-NGA#130-3	1/24/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #182	LAILG-NGA#182-2	1/24/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168	LAILG-NGA#168-4	1/25/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 19	LAILG-NGA19-4	8/12/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.3[J]	**4.4[J]**
NGA # 4	LAILG-NGA 4-3	8/13/2008	nd[M4]	nd[M4]	nd[M4]	nd[M4]	nd[M4]	nd[M4]	nd	nd[M4]	nd	nd	nd	nd[M4]	nd[M4]	nd	7.1[M4,Q2,FD]	**38.8**
Duplicate	LAILG-NGA-DUP	8/13/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	27[FD]	**124.4**
NGA # 31	LAILG-NGA 31-1	9/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.6	**15.2**
Duplicate	LAILG-NGA-DUP	9/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.5	**20.1**
NGA # 19	LAILG-NGA 19-5	11/26/2008	nd	nd	nd	nd	nd	339.4[Q3]	nd	nd	nd	nd	nd	nd	nd	nd	6.6[J,Q3]	**20.2[J]**
NGA # 210	LAILG-NGA 210-1	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 184	LAILG-NGA 184-1	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 124	LAILG-NGA 124-4	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.7[J]	**8.2[J]**
NGA # 31	LAILG-NGA 31-2	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.8[J]	**17.9[J]**
NGA # 130	LAILG-NGA 130-4	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 150	LAILG-NGA 150-3	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 25	LAILG-NGA 25-1	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd[Q6]	nd	nd	nd	nd	nd	4.7[J]	**16.2[J]**
NGA # 150	LAILG-NGA 150-4	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 124	LAILG-NGA 124-5	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.9[J]	**13.6[J]**
NGA # 189	LAILG-NGA 189-2	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 110	LAILG-NGA 110-2	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 31	LAILG-NGA 31-3	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 184	LAILG-NGA 184-2	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	**4.2[J]**
NGA # 130	LAILG-NGA 130-5	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 178	LAILG-NGA 178-1	12/15/2008	nd	nd[M4]	nd[M4]	nd	nd	nd	nd	nd	nd[M4]	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 64	LAILG-NGA 64-2	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	**666**	nd	nd
NGA # 168	LAILG-NGA 168-5	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 4	LAILG-NGA 4-4	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	23.7	**99.5**
CWIL Limits			nl	**5.6**	**5.6**	**36**	nl	nl	**0.21**	**0.1**	nl	nl	nl	**a)**	nl	**25**	**a)**	**0.57**
MDL			1	1	1	1	1	1	1	1	1	1	1	1	5	10	1	1
RL			5	5	5	5	5	5	5	5	5	5	5	5	10	50	5	5

Concentrations are reported in nanograms per liter (ng/L). Results above **CWIL Limits are presented in BOLD**. Footnotes in BOLD indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL Conditional waiver for irrigated lands
MDL Method Detection Limits
J Estimated concentrations, results above MDL but less than RL
RL Reporting Limits
nd not detected
nl not listed
FD Estimated concentration. Field Duplicate RPD >25%.

M4 Spike or surrogate compound recovery was out of control due to matrix interference. The associated method blank spike or surrogate compound was in control and therefore the sample data was reported without further clarification.

Q2 The sample RPD was out of control. Sample is heterogeneous and sample homogeneity could not be readily achieved using routine laboratory practices.

Q3 RPD values are not accurate and not applicable because the results for R1 and/or R2 are lower than ten times the MDL.

Q6 CRG's Quality Assurance Program Document allows for 5% of the target compounds greater than ten times the MDL to be outside the specified acceptance limits for precision and/or accuracy. This is often due to random error and cannot be attributed to a specific reason.

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
CHLORINATED PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Endosulfan Sulfate	Endosulphan-I	Endosulfan-II	Endrin	Endrin Aldehyde	Endrin Ketone	Heptachlor	Heptachlor Epoxide	Methoxychlor	Kepone	Mirex	Oxychlordane	Perthane	Toxaphene	trans-Nonachlor	Total Chlordane
NGA #130	NGA-#130-LAILG-1	8/6/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	na	nd	nd	nd	nd	nd	nd
NGA #183	NGA-#183-LAILG-1	8/6/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	na	nd	nd	nd	nd	nd	nd
NGA #19	NGA-#19-LAILG-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	na	nd	nd	nd	nd	nd	nd
NGA #124	NGA-#124-LAILG-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	na	nd	nd	nd	nd	21.9	**34**
NGA #168	NGA-#168-LAILG-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	na	nd	nd	nd	nd	nd	nd
NGA BLANK	NGA LAILG-BLANK-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA FBLI	NGA-LAILG-FBLI	8/21/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA EQBLI	NGA-LAILG-EQBLI	8/21/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #150	NGA-#150-LAILG	9/25/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	na	nd	nd[D]	nd	nd	nd	nd
NGA #183	ILG-#183	9/26/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	na	nd	nd[D]	nd	nd	nd	nd
NGA #183-DUP	ILGNGA-#Dup	9/26/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	na	nd	nd[D]	nd	nd	nd	nd
NGA #EQUIP	ILGNGA-#Equip	9/26/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #FIELD	ILGNGA-#FIELD-2	9/28/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168-2	ILGNGA-#168-2	9/28/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	na	nd	nd[D]	nd	nd	nd	nd
NGA #168	NGA-#168-LAILG-3	11/30/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd[C]	nd	nd	nd	nd	nd	1.7[J]	**5.6**[J]
NGA #182	NGA #182-LAILG-1	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #182-DUP	NGA-Duplicate	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #4	NGA #4-LAILG-1	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #130	NGA #130-LAILG-2	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #150	NGA #150-LAILG-2	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #124	NGA-#124-LAILG-2	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.3	**11.4**
NGA #EQUIP	NGA-equip blank	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #FIELD	Field Blank-2	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #176	LAILG-NGA#176-1	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[C]	nd	nd	nd	nd	nd	nd
NGA #183	LAILG-NGA#183-3	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[C]	nd	nd	nd	nd	nd	nd
NGA #19	LAILG-NGA#19-2	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[C]	nd	nd	nd	nd	2.4[J]	**2.4**[J]
NGA #13	LAILG-NGA#13-1	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[C]	nd	nd	nd	nd	54.1	**110.9**
NGA #53	LAILG-NGA#53-1	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd[C]	nd	nd	nd	nd	nd	nd
CWIL Limits			nl	**5.6**	**5.6**	**36**	nl	nl	**0.21**	**0.1**	nl	nl	nl	**a)**	nl	**25**	**a)**	**0.57**
MDL			1	1	1	1	1	1	1	1	1	1	1	1	5	10	1	1
RL			5	5	5	5	5	5	5	5	5	5	5	5	10	50	5	5

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in **BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL	Conditional waiver for irrigated lands
A	Component of total chlordane, see total chlordane for CWIL limitations
B	**Estimated concentration, RPD of duplicate sample >25%**
C	Procedural blank Matrix Spike recovery out of limits
D	Procedural blank Matrix Spike Duplicate RPD out of limits
J	Estimated concentrations, results above MDL but less than RL
MDL	Method Detection Limits
RL	Reporting Limits
nd	not detected
nl	not listed
na	not analyzed

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 3 INTERIM
ORGANOPHOSPHORUS PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Organophosphorus Pesticides																							Sample Notes
			Azinphos methyl	Bolstar	Chlorpyrifos	Coumaphos	Demeton-o	Demeton-s	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethyl parathion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl Parathion	Mevinphos	Naled	Phorate	Ronnel	Stirophos	Tokuthion	Trichloronate	
NGA #124	LAILG-NGA-124-10	11/29/2018	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	M-02
NGA #158	LAILG-NGA-158-2	11/29/2018	<20	<20	<20	<20	<20	<20	**150**	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	M-02
NGA #178	LAILG-NGA-178-5	11/29/2018	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	M-02
NGA #202	LAILG-NGA-202-3	11/29/2018	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	M-02
Duplicate	LAILG-NGA-DUP	11/29/2018	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	M-02
Equip Blank	LAILG-NGA-EB	11/29/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Field Blank	LAILG-NGA- FB	11/29/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #4	LAILG-NGA-4-10	1/14/2019	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	M-02
NGA #19	LAILG-NGA-19-10	1/14/2019	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	M-02
NGA #64	LAILG-NGA-64-6	1/14/2019	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	M-02
NGA #168	LAILG-NGA-168-10	1/14/2019	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	M-02
WQB			**80**	nl	**50**	**37**	nl	nl	**100**	**35**	**21,500**	**1,950**	**22,000**	nl	nl	**2,600**	**49**	nl	**485**	nl	**70**	**300**	nl	nl	nl	nl	
MRL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits or ALB guidelines are presented in BOLD. **Footnotes in BOLD indicate estimated concentration.** All other footnotes are for reference purposes; data was not deemed to be estimated.

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
MRL Method Detection Limits
WQB Water Quality Benchmarks
! Estimated concentration. Field Duplicate RPD >25%.
nl not listed
nd not detected
M-02 Due to the nature of matrix interfrenences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 2 INTERIM
ORGANOPHOSPHORUS PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Organophosphorus Pesticides																							Sample Notes
			Azinphos methyl	Bolstar	Chlorpyrifos	Coumaphos	Demeton-o	Demeton-s	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethyl parathion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl Parathion	Mevinphos	Naled	Phorate	Ronnel	Stirophos	Tokuthion	Trichloronate	
NGA #124	LAILG-NGA-124-9	1/9/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #178	LAILG-NGA-178-4	1/9/2018	<10	<10	<10	<10	<10	<10	<10	<10	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #184	LAILG-NGA-184-4	1/9/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #202	LAILG-NGA-202-2	1/9/2018	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	**73**	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #4	LAILG-NGA-4-9	3/22/2018	<50	<50	**360**	<50	<50	<50	62	<50	<50	<50	<50	<50	<50	<50	**160**	<50	<50	<50	<50	<50	<50	<50	<50	<50	M-02
NGA #19	LAILG-NGA-19-9	3/22/2018	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	M-02
NGA #64	LAILG-NGA-64-5	3/22/2018	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	M-02
NGA #168	LAILG-NGA-168-9	3/22/2018	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	M-02
WQB			**80**	nl	**50**	**37**	nl	nl	**100**	**35**	**21,500**	**1,950**	**22,000**	nl	nl	**2,600**	**49**	nl	**485**	nl	**70**	**300**	nl	nl	nl	nl	
MRL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0	10	10	10	10	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits or ALB guidelines are presented in BOLD. **Footnotes in BOLD indicate estimated concentration.** All other footnotes are for reference purposes; data was not deemed to be estimated.

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
MRL Method Detection Limits
WQB Water Quality Benchmarks
! Estimated concentration. Field Duplicate RPD >25%.
nl not listed
nd not detected
M-02 Due to the nature of matrix interfrenences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 1 INTERIM
ORGANOPHOSPHORUS PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Organophosphorus Pesticides																							Sample Notes
			Azinphos methyl	Bolstar	Chlorpyrifos	Coumaphos	Demeton-o	Demeton-s	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethyl parathion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl Parathion	Mevinphos	Naled	Phorate	Ronnel	Stirophos	Tokuthion	Trichloronate	
NGA #4	LAILG-NGA-4-8	1/20/2017	<10	<10	11	<10	<10	<10	17	<10	<10	<10	<10	<10	<10	<10	30	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #19	LAILG-NGA-19-8	1/20/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #176	LAILG-NGA-176-3	1/20/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Duplicate	LAILG-NGA-DUP	1/20/2017	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #124	LAILG-NGA-124-8	2/17/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	M-02
NGA #150	LAILG-NGA-150-7	2/17/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	M-02
NGA #158	LAILG-NGA-158-1	2/17/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	M-02
NGA #178	LAILG-NGA-178-3	2/17/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	M-02
NGA #202	LAILG-NGA- 202-1	2/17/2017	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	M-02
WQB			**80**	nl	**25**	**37**	nl	nl	**100**	**35**	**21,500**	**1,950**	**22,000**	nl	nl	**2,600**	**295**	nl	**485**	nl	70	**300**	nl	nl	nl	nl	
MRL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0	10	10	10	10	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits or ALB guidelines are presented in BOLD. **Footnotes in BOLD indicate estimated concentration.** All other footnotes are for reference purposes; data was not deemed to be estimated.

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
MRL Method Detection Limits
WQB Water Quality Benchmarks
! Estimated concentration. Field Duplicate RPD >25%.
nl not listed
nd not detected
M-02 Due to the nature of matrix interfrenences, sample was diluted prior to preparation. The MDL and MRL were raised due to the dilution.

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 5 CONTINUATION
ORGANOPHOSPHORUS PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Organophosphorus Pesticides																							Sample Notes
			Azinphos methyl	Bolstar	Chlorpyrifos	Coumaphos	Demeton-o	Demeton-s	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethyl parathion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl Parathion	Mevinphos	Naled	Phorate	Ronnel	Stirophos	Tokuthion	Trichloronate	
NGA #64	LAILG-NGA-64-4	1/5/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #168	LAILG-NGA-168-8	1/5/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Duplicate	LAILG-NGA-DUP	1/5/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Equip Blank	LAILG-NGA-EB	1/5/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Field Blank	LAILG-NGA-FB	1/5/2016	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
WQB			**80**	nl	**25**	**37**	nl	nl	**100**	**35**	**21,500**	**1,950**	**22,000**	nl	nl	**2,600**	**295**	nl	**485**	nl	70	**300**	nl	nl	nl	nl	
MRL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0	10	10	10	10	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits or ALB guidelines are presented in BOLD. **Footnotes in BOLD indicate estimated concentration.** All other footnotes are for reference purposes; data was not deemed to be estimated.

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
MRL Method Detection Limits
WQB Water Quality Benchmarks
! Estimated concentration. Field Duplicate RPD >25%.
nl not listed
nd not detected

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 4
ORGANOPHOSPHORUS PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Organophosphorus Pesticides																							Sample Notes
			Azinphos methyl	Bolstar	Chlorpyrifos	Coumaphos	Demeton-o	Demeton-s	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethyl parathion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl Parathion	Mevinphos	Naled	Phorate	Ronnel	Stirophos	Tokuthion	Trichloronate	
NGA #150	LAILG-NGA-150-6	12/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #188	LAILG-NGA-188-1	12/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Duplicate	LAILG-NGA-DUP	12/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #168	LAILG-NGA-168-7	5/15/2015	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Equip Blank	LAILG-NGA-EB	12/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Field Blank	LAILG-NGA- FB	12/2/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
WQB			**80**	nl	**25**	**37**	nl	nl	**100**	**35**	**21,500**	**1,950**	**22,000**	nl	nl	**2,600**	**295**	nl	**485**	nl	70	**300**	nl	nl	nl	nl	
MRL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0	10	10	10	10	10	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits or ALB guidelines are presented in BOLD. **Footnotes in BOLD indicate estimated concentration.** All other footnotes are for reference purposes; data was not deemed to be estimated.

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
MRL Method Detection Limits
WQB Water Quality Benchmarks
! Estimated concentration. Field Duplicate RPD >25%.
nl not listed
nd not detected

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 3
ORGANOPHOSPHORUS PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Organophosphorus Pesticides																							Sample Notes
			Azinphos methyl	Bolstar	Chlorpyrifos	Coumaphos	Demeton-o	Demeton-s	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethyl parathion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl Parathion	Mevinphos	Naled	Phorate	Ronnel	Stirophos	Tokuthion	Trichloronate	
NGA #19	LAILG-NGA19-7	2/28/2014	<10	<10	22!	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #26	LAILG-NGA26-1	2/28/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	23	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #124	LAILG-NGA124-7	2/28/2014	<10	<10	17	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	13	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #178	LAILG-NGA178-2	2/28/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
NGA #184	LAILG-NGA184-3	2/28/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Duplicate	LAILG-NGA-DUP	2/28/2014	<10	<10	**31!**	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Equip Blank	LAILG-NGA-EB	2/28/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
Field Blank	LAILG-NGA- FB	2/28/2014	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	
WQB			**80**	nl	**25**	**37**	nl	nl	**100**	**35**	**21,500**	**1,950**	**22,000**	nl	nl	**2,600**	**295**	nl	**485**	nl	70	**300**	nl	nl	nl	nl	
MRL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10.0	10	10	10	10	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits or ALB guidelines are presented in BOLD. **Footnotes in BOLD indicate estimated concentration.** All other footnotes are for reference purposes; data was not deemed to be estimated.

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
MRL Method Detection Limits
WQB Water Quality Benchmarks
! Estimated concentration. Field Duplicate RPD >25%.
nl not listed
nd not detected

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 1
ORGANOPHOSPHORUS PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Organophosphorus Pesticides																							Sample Notes
			Azinphos methyl	Bolstar	Chlorpyrifos	Coumaphos	Demeton-o	Demeton-s	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Ethyl parathion	Fensulfothion	Fenthion	Malathion	Merphos	Methyl Parathion	Mevinphos	Naled	Phorate	Ronnel	Stirophos	Tokuthion	Trichloronate	
NGA #4	LAILG-NGA4-5	3/21/2011	nd	nd	**11000**^{E1}	nd	nd^{Q-02}	nd^{Q-02}	**1000**^{E1}	nd	nd^{MS-05}	nd^{Q-02}	nd	nd	nd	nd	**7300**^{E1}	nd	nd	nd	nd	nd	nd	nd	nd	nd	S4
NGA #124	LAILG-NGA124-6	3/21/2011	nd	nd	10	nd	nd^{Q-02}	nd^{Q-02}	nd	nd	nd^{MS-05}	nd^{Q-02}	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
NGA # 150	LAILG-NGA 150-5	3/21/2011	nd	nd	**33**	nd	nd^{Q-02}	nd^{Q-02}	nd	nd	nd^{MS-05}	nd^{Q-02}	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
NGA #19	LAILG-NGA19-6	3/23/2011	nd$^{MS-05,BS-L}$	nd^{MS-05}	25	nd	nd	nd	nd	nd	nd^{MS-05}	nd^{BS-03}	nd	nd	nd^{MS-05}	nd^{BS-03}	nd	nd^{Q-08}	nd	nd	nd^{MS-05}	nd	nd	nd	nd	nd	
Duplicate	LAILG-NGA-DUP	3/21/2011	nd	nd	11	nd	nd^{Q-02}	nd^{Q-02}	nd	nd	nd^{MS-05}	nd^{Q-02}	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
Equip Blank	LAILG-NGA-EB	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
Field Blank	LAILG-NGA- FB	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
NGA #168	LAILG-NGA168-6	3/17/2012	nd^{BS-03}	nd	nd	nd$^{Q-08,A-01}$	nd	nd	nd	nd	nd	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd^{Q-08}	nd	nd	nd	nd	nd	
NGA #31	LAILG-NGA31-4	3/17/2012	nd^{BS-03}	nd	nd	nd$^{Q-08,A-01}$	nd	nd	nd	nd	nd	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd^{Q-08}	nd	nd	nd	nd	nd	
NGA #162	LAILG-NGA162-1	3/17/2012	nd^{BS-03}	nd	nd	nd$^{Q-08,A-01}$	nd	nd	nd	nd	nd	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd^{Q-08}	nd	nd	nd	nd	nd	
NGA #64	LAILG-NGA64-3	3/17/2012	nd^{BS-03}	nd	nd	nd	nd	nd	nd	nd	nd^{MS-05}	nd	nd	nd	nd^{MS-05}	nd	nd	nd	nd	nd	nd	nd	nd	nd^{BS-03}	nd	nd	
Duplicate	LAILG-NGA-DUP	3/17/2012	nd^{BS-03}	nd	nd	nd$^{Q-08,A-01}$	nd	nd	nd	nd	nd	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd^{Q-08}	nd	nd	nd	nd	nd	
Equip Blank	LAILG-NGA-EB	3/17/2012	nd^{BS-03}	nd	nd	nd$^{Q-08,A-01}$	nd	nd	nd	nd	nd	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd^{Q-08}	nd	nd	nd	nd	nd	
Field Blank	LAILG-NGA- FB	3/17/2012	nd^{BS-03}	nd	nd	nd$^{Q-08,A-01}$	nd	nd	nd	nd	nd	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd	nd^{Q-08}	nd^{Q-08}	nd	nd^{Q-08}	nd	nd	nd	nd	nd	
NGA #4	LAILG-NGA4-6	3/25/2012	nd^{BS-03}	nd	**44,000**	nd^{BS-03}	nd^{BS-03}	nd^{BS-03}	nd^{Q-12}	nd	nd^{MS-05}	nd	nd	nd	nd$^{Q-08,BS-03}$	nd	**2,100**$^{Q-08,A-01a}$	nd^{Q-08}	nd^{BS-03}	nd	nd^{BS-03}	nd	nd	nd^{BS-03}	nd	nd	
NGA #170	LAILG-NGA170-1	3/25/2012	nd$^{MS-05,BS-L}$	nd	nd	nd^{BS-03}	nd	nd	nd	nd	nd^{MS-05}	nd	nd	nd^{MS-05}	nd^{Q-08}	nd	nd	nd^{Q-08}	nd^{MS-05}	nd	nd$^{Q-08,A-01}$	nd	nd	14^{BS-03}	nd	nd	
NGA #176	LAILG-NGA176-2	3/25/2012	nd$^{MS-05,BS-L}$	nd	nd	nd^{BS-03}	nd	nd	nd	nd	nd^{MS-05}	nd	nd	nd^{MS-05}	nd^{Q-08}	nd	nd	nd^{Q-08}	nd^{MS-05}	nd	nd$^{Q-08,A-01}$	nd	nd	nd^{BS-03}	nd	nd	
NGA #210	LAILG-NGA210-2	3/25/2012	nd$^{MS-05,BS-L}$	nd	nd	nd^{BS-03}	nd	nd	nd	nd	nd^{MS-05}	nd	nd	nd^{MS-05}	nd^{Q-08}	nd	41	nd^{Q-08}	nd^{MS-05}	nd	nd$^{Q-08,A-01}$	nd	nd	nd^{BS-03}	nd	nd	
Duplicate	LAILG-NGA-DUP	3/25/2012	nd^{BS-03}	nd	**42,000**	nd^{BS-03}	nd^{BS-03}	nd^{BS-03}	nd^{Q-12}	nd	nd^{MS-05}	nd	nd	nd	nd$^{Q-08,BS-03}$	nd	**2,000**$^{Q-08,A-01a}$	nd^{Q-08}	nd^{BS-03}	nd	nd^{BS-03}	nd	nd	nd^{BS-03}	nd	nd	
Equip Blank	LAILG-NGA-EB	3/25/2012	nd^{BS-03}	nd	nd	nd^{BS-03}	nd^{BS-03}	nd^{BS-03}	nd^{Q-12}	nd	nd^{MS-05}	nd	nd	nd	nd$^{Q-08,BS-03}$	nd	nd$^{Q-08,A-01a}$	nd^{Q-08}	nd^{BS-03}	nd	nd^{BS-03}	nd	nd	nd^{BS-03}	nd	nd	
Field Blank	LAILG-NGA- FB	3/25/2012	nd^{BS-03}	nd	nd	nd^{BS-03}	nd^{BS-03}	nd^{BS-03}	nd^{Q-12}	nd	nd^{MS-05}	nd	nd	nd	nd$^{Q-08,BS-03}$	nd	nd$^{Q-08,A-01a}$	nd^{Q-08}	nd^{BS-03}	nd	nd^{BS-03}	nd	nd	nd^{BS-03}	nd	nd	
CWIL Limits			nl	nl	**25**	nl	nl	nl	**100**	nl	nl$^{(1)}$	nl$^{(1)}$	nl$^{(1)}$	nl	nl	nl	nl$^{(1)}$	nl	nl$^{(1)}$	nl	nl	nl$^{(1)}$	nl	nl	nl	nl	
MDL			5.5	4.6	6.9	5.1	10	10	5.2	2.9	6.2	10	6.7	5.4	2.9	3.8	7.6	5.8	6.3	4.2	7.6	3.0	4.1	3.1	7.8	6.7	
RL			10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits or ALB guidelines are presented in BOLD. **Footnotes in BOLD indicate estimated concentration.** All other footnotes are for reference purposes; data was not deemed to be estimated.

CWIL	Conditional waiver for irrigated lands, order #R4-2005-0080
MDL	Method Detection Limits
RL	Reporting Limits
FD	Estimated concentration. Field Duplicate RPD >25%.
nl	not listed
nd	not detected
(1)	Although no discharge limits were set in the CWIL, the US EPA has set an aquatic life benchmark for this constituent. See Table 7.

E1	The concentration indicated for this analyte is an estimated value above the calibration range.
S4	The surrogate recovery for this sample is outside of established control limits due to possible sample matrix effect.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
A-01	High bias in MS and MSD.However, ll-ccv has an acceptable recovery.The batch was accepted since all samples were ND for this analyte.
A-01a	Low recovery in BS and high recoveries in both MS/MSD.However,LL-ccv has an acceptable recovery.The batch was accepted since samples were either ND or yielded very high results.
Q-12	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
Q-02	Low recovery of this analyte in the QC sample. The analysis of the low level standard produced acceptable recovery indicating that the sample result might be accurately reported as non-detect.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
BS-L	The recovery of this analyte in the BS/LCS was below the control limit. Sample result is suspect.
BS-03	The recovery of this analyte in the BS/LCS was outside the control limits. The sample result was accepted based on another acceptable BS/LCS and/or MS and MSD that meet BS criteria.

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
ORGANOPHOSPHORUS PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Organophosphorus Pesticides																	
			Bolstar	Chlorpyrifos	Demeton	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Fenchlorphos	Fensulfothion	Fenthion	Malathion	Merphos	Methyl Parathion	Mevinphos	Phorate	Tetrachlorvinphos	Tokuthion	Trichloronate
NGA #110	LAILG-NGA110-1	1/4/2008	nd	**88.5**	nd	**534.8**	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #189	LAILG-NGA189-1	1/4/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #19	LAILG-NGA19-3	1/5/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #124	LAILG-NGA124-3	1/5/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #183	LAILG-NGA183-4	1/5/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #4	LAILG-NGA4-2	1/23/2008	nd	**153.8**	nd	**2,212.1**	nd	nd	nd	nd	nd	nd	nd	**15,453.2**	nd	nd	nd	nd	nd	nd	nd
NGA #53	LAILG-NGA53-2	1/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #64	LAILG-NGA64-1	1/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #130	LAILG-NGA130-3	1/24/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #182	LAILG-NGA182-2	1/24/2008	nd	nd	nd	nd	nd	13.3	nd	nd	nd	nd	nd	19.9	nd	nd	nd	nd	nd	nd	nd
NGA #168	LAILG-NGA168-4	1/25/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 19	LAILG-NGA19-4	8/12/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 4	LAILG-NGA 4-3	8/13/2008	nd[M4]	nd[M4]	nd[M4]	**6,058.9**[Q1,Q2,FD]	nd[M4]	nd[M4]	nd[M4]	nd[M4]	nd[M4]	nd[M4]	nd[M4]	**1,148,630**[Q1]	nd[M4]	nd[M4]	nd[M4]	nd[M4]	nd[M4]	nd[M4]	nd[M4]	nd[M4]
Duplicate	LAILG-NGA-DUP	8/13/2008	nd	nd	nd	**13586.8**[FD]	nd	nd	nd	nd	nd	nd	nd	**1,117,145**	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 31	LAILG-NGA 31-1	9/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	9/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 19	LAILG-NGA 19-5	11/26/2008	nd	**130.1**	nd	32.6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 210	LAILG-NGA 210-1	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	56.4	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 184	LAILG-NGA 184-1	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
Duplicate	LAILG-NGA-DUP	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 124	LAILG-NGA 124-4	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 31	LAILG-NGA 31-2	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 130	LAILG-NGA 130-4	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 150	LAILG-NGA 150-3	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 25	LAILG-NGA 25-1	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 150	LAILG-NGA 150-4	12/15/2008	nd	**90.2**	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 124	LAILG-NGA 124-5	12/15/2008	nd	21	nd	98.5	nd	nd	nd	nd	nd	nd	nd	**85.3**	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 189	LAILG-NGA 189-2	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	26.9	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 110	LAILG-NGA 110-2	12/15/2008	nd	nd	nd	79.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 31	LAILG-NGA 31-3	12/15/2008	nd	**44.5**	nd	nd	nd	nd	nd	nd	nd	nd	nd	**3,433.9**	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 184	LAILG-NGA 184-2	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 130	LAILG-NGA 130-5	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	**85.2**	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 178	LAILG-NGA 178-1	12/15/2008	nd	nd	nd	nd	nd	nd	nd[M4]	nd	nd	nd[M4]	nd	nd	nd	nd	nd	nd	nd[M4]	nd	nd	nd
Duplicate	LAILG-NGA-DUP	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 64	LAILG-NGA 64-2	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 168	LAILG-NGA 168-5	12/15/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	38.9	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 4	LAILG-NGA 4-4	12/15/2008	nd	**590.9**	nd	**859**	nd	nd	nd	nd	nd	nd	nd	**102,357.2**	nd	nd	nd	nd	nd	nd	nd	nd
CWIL Limits			nl	**25**	nl	**100**	nl	nl[(1)]	nl[(1)]	nl[(1)]	nl	nl	nl	nl[(1)]	nl	nl[(1)]	nl	nl[(1)]	nl	nl	nl	nl
MDL			2	1	1	2	3	3	1	1	2	1	2	3	1	1	8	6	2	3	1	
RL			4	2	2	4	6	6	2	2	4	2	4	6	2	2	16	12	4	6	2	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits or ALB guidelines are presented in BOLD. **Footnotes in BOLD indicate estimated concentration.** All other footnotes are for reference purposes; data was not deemed to be estimated.

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
MDL Method Detection Limits
RL Reporting Limits
FD Estimated concentration. Field Duplicate RPD >25%.
nl not listed
nd not detected
(1) Although no discharge limits were set in the CWIL, the US EPA has set an aquatic life benchmark for this constituent. See Table 7.

M4 Spike or surrogate compound recovery was out of control due to matrix interference. The associated method blank spike or surrogate compound was in control and therefore the sample data was reported without further clarification.

Q1 Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration.

Q2 The sample RPD was out of control. Sample is heterogeneous and sample homogeneity could not be readily achieved using routine laboratory practices.

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
ORGANOPHOSPHORUS PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Organophosphorus Pesticides																	
			Bolstar	Chlorpyrifos	Demeton	Diazinon	Dichlorvos	Dimethoate	Disulfoton	Ethoprop	Fenchlorphos	Fensulfothion	Fenthion	Malathion	Merphos	Methyl Parathion	Mevinphos	Phorate	Tetrachlorvinphos	Tokuthion	Trichloronate
NGA #130	NGA-#130-LAILG-1	8/6/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #183	NGA-#183-LAILG-1	8/6/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #19	NGA-#19-LAILG-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #124	NGA-#124-LAILG-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168	NGA-#168-LAILG-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA BLANK	NGA LAILG-BLANK-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA FBLI	NGA-LAILG-FBLI	8/21/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA EQBLI	NGA-LAILG-EQBLI	8/21/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #150	NGA-#150-LAILG	9/25/2007	nd	nd	nd	nd	nd	nd	nd[D]	nd	nd	nd	nd	nd[D]	nd	nd	nd	nd[D]	nd	nd	nd
NGA #183	ILG-#183	9/26/2007	nd	nd	nd	nd	nd	nd	nd[D]	nd	nd	nd	nd	nd[D]	nd	nd	nd	nd[D]	nd	nd	nd
NGA #183-DUI	ILGNGA-#Dup	9/26/2007	nd	nd	nd	nd	nd	nd	nd[D]	nd	nd	nd	nd	nd[D]	nd	nd	nd	nd[D]	nd	nd	nd
NGA #EQUIP	ILGNGA-#Equip	9/26/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #FIELD	ILGNGA-#FIELD-2	9/28/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168-2	ILGNGA-#168-2	9/28/2007	nd	nd	nd	nd	nd	nd	nd[D]	nd	nd	nd	nd	nd[D]	nd	nd	nd	nd[D]	nd	nd	nd
NGA #168	NGA-#168-LAILG-3	11/30/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.9	nd	nd	nd	nd	nd	nd	nd
NGA #182	NGA #182-LAILG-1	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #182-DUI	NGA-Duplicate	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #4	NGA #4-LAILG-1	12/7/2007	nd	**1,122.6**	nd	**175.2**	11.3	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #130	NGA #130-LAILG-2	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #150	NGA #150-LAILG-2	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #124	NGA-#124-LAILG-2	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #EQUIP	NGA-equip blank	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #FIELD	Field Blank-2	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #176	NGA-#176-LAILG-1	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #183	LAILG-NGA#183-3	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #19	LAILG-NGA#19-2	12/18/2007	nd	nd	nd	15	nd	nd	nd	nd	nd	nd	nd	2,291.3	nd	nd	nd	nd	nd	nd	nd
NGA #13	LAILG-NGA#13-1	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #53	LAILG-NGA#53-1	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CWIL Limits			nl	**25**	nl	**100**	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl
MDL			2	1	1	2	3	3	1	1	2	1	2	3	1	1	8	6	2	3	1
RL			4	2	2	4	6	6	2	2	4	2	4	6	2	2	16	12	4	6	2

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in **BOLD**. Footnotes in **BOLD** indicate estimated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimated.

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
D Procedural blank Matrix Spike Duplicate RPD out of limits
nl not listed

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 3 INTERIM
PYRETHROID PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Pyrethroid Pesticides													Sample Notes
			Allethrin	Bifenthrin	Cyfluthrin	Cypermethrin	Deltamethrin /Tralomethrin	Dichloran	Fenpopathrin (Danitol)	Fenvalerate /Esfenvalerate	L-Cyhalothrin	Pendimethalin	Permethrin	Prallethrin	Sumithrin	Telfluthrin	
NGA #124	LAILG-NGA-124-10	11/29/2018	<40	**1,700**	**110**	<40	<40	<40	<40	<40	<40	85	<100	<40	<40	<40	M-04
NGA #158	LAILG-NGA-158-2	11/29/2018	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<250	<100	<500	<100	M-04
NGA #178	LAILG-NGA-178-5	11/29/2018	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<10	<4.0	<20	<4.0	M-04
NGA #202	LAILG-NGA-202-3	11/29/2018	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<100	<20	M-04
Duplicate	LAILG-NGA-DUP	11/29/2018	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<100	<20	M-04
Equip Blank	LAILG-NGA-EB	11/29/2018	<2.0	3.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	
Field Blank	LAILG-NGA- FB	11/29/2018	<2.0	<2.0	9.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	
NGA #4	LAILG-NGA-4-10	1/14/2019	<40	<40	<40	<40	<40	<40	<40	<40	<40	<40	<100	<40	<200	<40	M-04
NGA #19	LAILG-NGA-19-10	1/14/2019	<10	<10	<10	<10	<10	<10	59	<10	<10	<10	<25	<10	<50	<10	M-04
NGA #64	LAILG-NGA-64-6	1/14/2019	<10	<10	<10	<10	<10	<10	59	<10	<10	<10	<25	<10	<50	<10	M-04
NGA #168	LAILG-NGA-168-10	1/14/2019	<20	570	**240**	<20	<20	<20	<20	<20	<20	99	<50	<20	<100	<20	M-04
WQB			**1,050**	**800**	**12.5**	**210**	**55**	**nl**	**265**	**25**	**3.5**	**140,000**	**19.5**	**3,100**	**2,200**	**35**	
MRL			2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	2.0	10	2.0	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in BOLD. Footnotes in BOLD indicate estimated.ated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimatec

CWIL	Conditional waiver for irrigated lands, order #R4-2005-0080	M-04	Visual evaluation of the sample indicates the RPD or QC spike is above the control limit due to a non-homogeneous sample matri:
WQB	Water Quality Benchmark	S-GC	Surrogate recovery outside of control limits due to a possible matrix effect. The data was accepted based on valid recovery of the remaining surrogate
nl	not listed		

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 2 INTERIM
PYRETHROID PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Pyrethroid Pesticides													Sample Notes
			Allethrin	Bifenthrin	Cyfluthrin	Cypermethrin	Deltamethrin /Tralomethrin	Dichloran	Fenpopathrin (Danitol)	Fenvalerate /Esfenvalerate	L-Cyhalothrin	Pendimethalin	Permethrin	Prallethrin	Sumithrin	Telfluthrin	
NGA #124	LAILG-NGA-124-9	1/9/2018	<40	180	<40	<40	<40	<40	<40	<40	<40	46	<100	<40	<200	<40	M-04
NGA #178	LAILG-NGA-178-4	1/9/2018	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<100	<20	M-04
NGA #184	LAILG-NGA-184-4	1/9/2018	<10	19	<10	<10	<10	<10	<10	<10	<10	290	**43**	<10	<50	<10	M-04
NGA #202	LAILG-NGA-202-2	1/9/2018	<10	<10	<10	<10	13	<10	<10	<10	<10	34	<25	<10	<50	<10	M-04
NGA #4	LAILG-NGA-4-9	3/22/2018	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<250	<100	<500	<100	M-04
NGA #19	LAILG-NGA-19-9	3/22/2018	<20	<20	<20	<20	<20	<20	51	<20	<20	27	<50	<20	<100	<20	M-04
NGA #64	LAILG-NGA-64-5	3/22/2018	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<100	<20	M-04
NGA #168	LAILG-NGA-168-9	3/22/2018	<40	97	<40	<40	<40	<40	<40	<40	<40	<40	<100	<40	<200	<40	M-04
WQB			**1,050**	**800**	**12.5**	**210**	**55**	**nl**	**265**	**25**	**3.5**	**140,000**	**19.5**	**3,100**	**2,200**	**35**	
MRL			2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	2.0	10	2.0	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in BOLD. Footnotes in BOLD indicate estimated.ated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimatec

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
WQB Water Quality Benchmark
nl not listed

M-04 Visual evaluation of the sample indicates the RPD or QC spike is above the control limit due to a non-homogeneous sample matri:
S-GC Surrogate recovery outside of control limits due to a possible matrix effect. The data was accepted based on valid recovery of the remaining surrogate

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 1 INTERIM
PYRETHROID PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Pyrethroid Pesticides													Sample Notes
			Allethrin	Bifenthrin	Cyfluthrin	Cypermethrin	Deltamethrin /Tralomethrin	Dichloran	Fenpopathrin (Danitol)	Fenvalerate /Esfenvalerate	L-Cyhalothrin	Pendimethalin	Permethrin	Prallethrin	Sumithrin	Telfluthrin	
NGA #4	LAILG-NGA-4-8	1/20/2017	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<250	<100	<500	<100	M-04
NGA #19	LAILG-NGA-19-8	1/20/2017	<40	<40	<40	<40	<40	<40	64	<40	<40	<40	<100	<40	<200	<40	M-04
NGA #176	LAILG-NGA-176-3	1/20/2017	<200	<200	<200	<200	<200	<200	<200	<200	<200	<200	<500	<200	<1000	<200	M-04
Duplicate	LAILG-NGA-DUP	1/20/2017	<40	<40	<40	<40	<40	<40	48	<40	<40	<40	<100	<40	<200	<40	M-04
NGA #124	LAILG-NGA-124-8	2/17/2017	<100	**3900**	**230**	<100	<100	<100	<100	<100	<100	760	<250	<100	<500	<100	M-04
NGA #150	LAILG-NGA-150-7	2/17/2017	<20	**3900**	<20	<20	<20	<20	**670**	<20	<20	<20	**1900**	<20	<100	<20	M-04
NGA #158	LAILG-NGA-158-1	2/17/2017	<40	<40	<40	<40	54	<40	<40	<40	<40	<40	<100	<40	<200	<40	M-04
NGA #178	LAILG-NGA-178-3	2/17/2017	<20	20	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<100	<20	M-04
NGA #202	LAILG-NGA- 202-1	2/17/2017	<40	42	<40	<40	54	<40	<40	<40	<40	<40	<100	<40	<200	<40	M-04
WQB			**1,050**	**800**	**12.5**	**210**	**55**	**nl**	**265**	**25**	**3.5**	**140,000**	**10.6**	**3,100**	**2,200**	**35**	
MRL			2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	2.0	10	2.0	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in BOLD. Footnotes in BOLD indicate estimated.ated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimatec

CWIL	Conditional waiver for irrigated lands, order #R4-2005-0080
WQB	Water Quality Benchmark
nl	not listed
M-04	Visual evaluation of the sample indicates the RPD or QC spike is above the control limit due to a non-homogeneous sample matri:
S-GC	Surrogate recovery outside of control limits due to a possible matrix effect. The data was accepted based on valid recovery of the remaining surrogate

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 5 CONTINUATION
PYRETHROID PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Pyrethroid Pesticides													Sample Notes
			Allethrin	Bifenthrin	Cyfluthrin	Cypermethrin	Deltamethrin /Tralomethrin	Dichloran	Fenpopathrin (Danitol)	Fenvalerate /Esfenvalerate	L-Cyhalothrin	Pendimethalin	Permethrin	Prallethrin	Sumithrin	Telfluthrin	
NGA #64	LAILG-NGA-64-4	1/5/2016	<2.0	2.0	<2.0	<2.0	<2.0	2.6	<2.0	<2.0	<2.0	2.7	<2.0	<2.0	<10	<2.0	
NGA #168	LAILG-NGA-168-8	1/5/2016	<2.0	310	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	69	<2.0	<2.0	<10	<2.0	
Duplicate	LAILG-NGA-DUP	1/5/2016	<2.0	250	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	50	<2.0	<2.0	<10	<2.0	
Equip Blank	LAILG-NGA-EB	1/5/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	
Field Blank	LAILG-NGA-FB	1/5/2016	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	
WQB			**1,050**	**800**	**12.5**	**210**	**55**	**nl**	**265**	**25**	**3.5**	**140,000**	**10.6**	**3,100**	**2,200**	**35**	
MRL			2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	2.0	10	2.0	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in BOLD. Footnotes in BOLD indicate estimated.ated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimatec

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
WQB Water Quality Benchmark
nl not listed

M-04 Visual evaluation of the sample indicates the RPD or QC spike is above the control limit due to a non-homogeneous sample matri:
S-GC Surrogate recovery outside of control limits due to a possible matrix effect. The data was accepted based on valid recovery of the remaining surrogate

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 4
PYRETHROID PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Pyrethroid Pesticides													Sample Notes
			Allethrin	Bifenthrin	Cyfluthrin	Cypermethrin	Deltamethrin /Tralomethrin	Dichloran	Fenpopathrin (Danitol)	Fenvalerate /Esfenvalerate	L-Cyhalothrin	Pendimethalin	Permethrin	Prallethrin	Sumithrin	Telfluthrin	
NGA #150	LAILG-NGA-150-6	12/2/2014	<2.0	**4000**	<2.0	<2.0	<2.0	<2.0	**370**	<2.0	<2.0	<2.0	**1000**	<2.0	<10	<2.0	
NGA #188	LAILG-NGA-188-1	12/2/2014	<2.0	51	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	30	<2.0	<2.0	<10	<2.0	
Duplicate	LAILG-NGA-DUP	12/2/2014	<2.0	41	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	30	<2.0	<2.0	<10	<2.0	
NGA #168	LAILG-NGA-168-7	5/15/2015	<2.0	22	<2.0	<2.0	<2.0	2.3	<2.0	<2.0	<2.0	460	<5.0	<2.0	<10	<2.0	
Equip Blank	LAILG-NGA-EB	12/2/2014	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	
Field Blank	LAILG-NGA- FB	12/2/2014	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	
WQB			**1,050**	**800**	**12.5**	**210**	**55**	**nl**	**265**	**25**	**3.5**	**140,000**	**10.6**	**3,100**	**2,200**	**35**	
MRL			2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	2.0	10	2.0	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in BOLD. Footnotes in BOLD indicate estimated.ated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimatec

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
WQB Water Quality Benchmark
nl not listed

M-04 Visual evaluation of the sample indicates the RPD or QC spike is above the control limit due to a non-homogeneous sample matri:
S-GC Surrogate recovery outside of control limits due to a possible matrix effect. The data was accepted based on valid recovery of the remaining surrogate

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 3
PYRETHROID PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Pyrethroid Pesticides													Sample Notes
			Allethrin	Bifenthrin	Cyfluthrin	Cypermethrin	Deltamethrin /Tralomethrin	Dichloran	Fenpopathrin (Danitol)	Fenvalerate /Esfenvalerate	L-Cyhalothrin	Pendimethalin	Permethrin	Prallethrin	Sumithrin	Telfluthrin	
NGA #19	LAILG-NGA19-7	2/28/2014	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	28	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	
NGA #26	LAILG-NGA26-1	2/28/2014	<2.0	9.4	**20**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	
NGA #124	LAILG-NGA124-7	2/28/2014	<10	**3,700**	<10	<10	<10	<10	170	<10	<10	<10	**46**	<10	<50	<10	M-04, S-GC
NGA #178	LAILG-NGA178-2	2/28/2014	<20	40	<20	<20	<20	<20	<20	<20	<20	<20	<50	<20	<100	<20	M-04, S-GC
NGA #184	LAILG-NGA184-3	2/28/2014	<2.0	2.5	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	
Duplicate	LAILG-NGA-DUP	2/28/2014	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	32	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	
Equip Blank	LAILG-NGA-EB	2/28/2014	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	S-GC
Field Blank	LAILG-NGA- FB	2/28/2014	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<5.0	<2.0	<10	<2.0	S-GC
WQB			**1,050**	**800**	**12.5**	**210**	**55**	**nl**	**265**	**25**	**3.5**	**140,000**	**10.6**	**3,100**	**2,200**	**35**	
MRL			2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	2.0	10	2.0	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in BOLD. Footnotes in BOLD indicate estimated.ated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimatec

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
WQB Water Quality Benchmark
nl not listed

M-04 Visual evaluation of the sample indicates the RPD or QC spike is above the control limit due to a non-homogeneous sample matri:
S-GC Surrogate recovery outside of control limits due to a possible matrix effect. The data was accepted based on valid recovery of the remaining surrogate

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 1
PYRETHROID PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Pyrethroid Pesticides													Sample Notes
			Allethrin	Bifenthrin	Cyfluthrin	Cypermethrin	Deltamethrin	Dichloran	Esfenvalerate	Fenvalerate	L-Cyhalothrin	Pendimethalin	Permethrin	Prallethrin	Sumithrin	Telfluthrin	
NGA #4	LAILG-NGA4-5	3/21/2011	nd	22	nd	nd	nd	nd	nd	nd	nd	3.3	**1600**[E1]	nd	nd	nd	S4
NGA #124	LAILG-NGA124-6	3/21/2011	nd	88	nd	78[FD]	nd	nd	nd	nd	nd	3.8	nd	nd	nd	nd	
NGA # 150	LAILG-NGA 150-5	3/21/2011	nd	480[E1]	nd	nd	nd	nd	nd	nd	nd	nd	**48**	nd	nd	nd	
NGA #19	LAILG-NGA19-6	3/23/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	29	nd	nd	nd	nd	
Duplicate	LAILG-NGA-DUP	3/21/2011	nd	74	nd	57	nd	nd	nd	nd	nd	3.7	nd	nd	nd	nd	
Equip Blank	LAILG-NGA-EB	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
Field Blank	LAILG-NGA- FB	3/21/2011	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	
NGA #168	LAILG-NGA168-6	3/17/2012	nd	54	nd	nd	nd	nd[BS-03]	nd	nd	nd	18	nd	nd	nd	nd	S4
NGA #31	LAILG-NGA31-4	3/17/2012	nd	2.9	nd	nd	nd	nd[BS-03]	nd	nd	nd	33	nd	nd	nd	nd	S4
NGA #162	LAILG-NGA162-1	3/17/2012	nd	11	nd	nd	**230**	nd[BS-03]	nd	nd	nd	23	nd	nd	nd	nd	S4
NGA #64	LAILG-NGA64-3	3/17/2012	nd	nd	nd	nd	nd	nd[BS-03]	nd	nd	nd	22	nd	nd	nd	nd	S4
Duplicate	LAILG-NGA-DUP	3/17/2012	nd	nd	nd	nd	nd	nd[BS-03]	nd	nd	nd	20	nd	nd	nd	nd	S4
Equip Blank	LAILG-NGA-EB	3/17/2012	nd	nd	nd	nd	nd	nd[BS-03]	nd	nd	nd	nd	nd	nd	nd	nd	
Field Blank	LAILG-NGA- FB	3/17/2012	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	S4
NGA #4	LAILG-NGA4-6	3/25/2012	nd[BS-03]	9.7	nd	nd	nd	nd	nd	nd	nd	nd[FD,BS-03]	**100**[FD]	nd	nd	nd[BS-03]	S4
NGA #170	LAILG-NGA170-1	3/25/2012	nd[BS-03]	5.8	nd	nd	nd	nd	nd	nd	nd	11[BS-03]	nd[BS-03]	nd	nd	nd[BS-03]	S4
NGA #176	LAILG-NGA176-2	3/25/2012	nd[BS-03]	270	nd	nd	nd	nd	nd	nd	nd	35[BS-03]	nd[BS-03]	nd	nd	nd[BS-03]	S4
NGA #210	LAILG-NGA210-2	3/25/2012	nd[BS-03]	nd	nd	nd	nd	80	nd	nd	nd	2.7[BS-03]	nd[BS-03]	nd	nd	nd[BS-03]	S4
Duplicate	LAILG-NGA-DUP	3/25/2012	nd[BS-03]	12	nd	nd	nd	nd	nd	nd	nd	47[BS-03]	**130**[BS-03]	nd	nd	nd[BS-03]	S4
Equip Blank	LAILG-NGA-EB	3/25/2012	nd[BS-03]	nd	nd	nd	nd	nd	nd	nd	nd	nd[BS-03]	nd[BS-03]	nd	nd	nd[BS-03]	S4
Field Blank	LAILG-NGA- FB	3/25/2012	nd[BS-03]	nd	nd	nd	nd	nd	nd	nd	nd	nd[BS-03]	nd[BS-03]	40	nd	nd[BS-03]	S4
CWIL Limits			nl	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl [(1)]	nl	nl	nl	
MDL			0.85	0.79	0.83	0.66	1.9	0.80	0.98	0.98	1.2	0.50	5.0	0.92	2.4	0.93	
RL			2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	5.0	2.0	10	2.0	

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in BOLD. Footnotes in BOLD indicate estimated.ated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimatec

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
FD estimated.ated concentration. Field Duplicate RPD >25%.
nl not listed
nd not detected
(1) Although no discharge limits were set in the CWIL, the US EPA has set an aquatic life benchmark for this constituent. See Table 8.

E1 The concentration indicated for this analyte is an estimated.ated value above the calibration range.
S4 The surrogate recovery for this sample is outside of established control limits due to possible sample matrix effec
Q-12 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on the percent recoveries and/or other acceptable QC data.
BS-L The recovery of this analyte in the BS/LCS was below the control limit. Sample result is suspect.
BS-03 The recovery of this analyte in the BS/LCS was outside the control limits. The sample result was accepted based on another acceptable BS/LCS and/or MS and MSD that meet BS criteria
A-01a Low recovery in BS and high recoveries in both MS/MSD.However,LL-ccv has an acceptable recovery.The batch was accepted since samples were either ND or yielded very high result

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
PYRETHROID PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Pyrethroid Pesticides												
			Allethrin	Bifenthrin	Cyfluthrin	Cypermethrin	Danitol	Deltamethrin	Esfenvalerate	Fenvalerate	Fluvalinate	L-Cyhalothrin	Permethrin	Prallethrin	Resmethrin
NGA #110	LAILG-NGA110-1	1/4/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #189	LAILG-NGA189-1	1/4/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #19	LAILG-NGA19-3	1/5/2008	nd	nd	nd	nd	6.8	nd	nd	nd	nd	nd	nd	nd	nd
NGA #124	LAILG-NGA124-3	1/5/2008	nd	581.5	38	nd	1,207.20	66.4	nd	nd	5.5	nd	nd	nd	nd
NGA #183	LAILG-NGA183-4	1/5/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #4	LAILG-NGA4-2	1/23/2008	nd	nd	15.8	nd	1,178.40	157.1	nd	nd	13.6	24.5	nd	nd	nd
NGA #53	LAILG-NGA53-2	1/23/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #64	LAILG-NGA64-1	1/23/2008	nd	30.2	15.1	nd	2.1	nd	nd	nd	nd	nd	nd	nd	nd
NGA #130	LAILG-NGA130-3	1/24/2008	nd	143.4	4.2	nd	33.2	nd	nd	nd	3.8	nd	nd	nd	nd
NGA #182	LAILG-NGA182-2	1/24/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168	LAILG-NGA168-4	1/25/2008	nd	187.9	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA # 19	LAILG-NGA19-4	8/12/2008	nd	nd	nd	nd	82	nd	nd	nd	9.8	nd	nd	nd	nd
NGA # 4	LAILG-NGA 4-3	8/13/2008	nd[M4]	43.8[M4,Q2,FD]	nd[FD]	nd[M4]	23,704.6[Q1,Q2,FD]	147.3[M4,Q2,FD]	nd[M4]	nd	2,488.1[Q1,FD]	10.6[Q2,FD]	**359.3**[Q1,Q2,FD]	nd[M4]	nd[M4]
Duplicate	LAILG-NGA-DUP	8/13/2008	nd	306.5[FD]	4.9[FD]	nd	77368.5[FD]	306.9[FD]	nd	nd	1519.6[FD]	37.5[FD]	**1,376.0**[FD]	nd	nd
NGA # 31	LAILG-NGA 31-1	9/23/2008	nd	nd	4.3	nd	71.9	nd	nd	nd	nd	2.4[EB]	nd	nd	nd
Duplicate	LAILG-NGA-DUP	9/23/2008	nd	nd	4.9	nd	63.6	nd	nd	nd	nd	2.6[EB]	nd	nd	nd
NGA # 19	LAILG-NGA 19-5	11/26/2008	nd[M4]	34.9[M4]	34.4[M4]	nd[M4]	1,813.4[M4]	nd[M4]	3.3[M4,Q3]	3.3[J,M4,Q3,EB]	274.4[M4]	10.2[M4,FB]	**62.3**[M4,Q3]	nd	nd[M4]
NGA # 210	LAILG-NGA 210-1	11/26/2008	nd	134.5	15.6	23.3	92.9	nd	1.8[J]	4.1[EB]	nd	7.6[FB]	nd	nd	nd
NGA # 184	LAILG-NGA 184-1	11/26/2008	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.1[FB]	nd	nd	nd
Duplicate	LAILG-NGA-DUP	11/26/2008	nd	nd	nd	nd	nd	nd	2.0	0.9[EB]	nd	6.0[FB]	nd	nd	nd
NGA # 124	LAILG-NGA 124-4	11/26/2008	nd	4,420.1	650.2	nd	121.6	26.6	0.9[J]	1.0[J,EB]	2,309.8	5.9[FB]	nd	nd	nd
NGA # 31	LAILG-NGA 31-2	11/26/2008	nd	33.9	23.6	nd	382.1	nd	nd	4.3[EB]	nd	16.3[FB]	nd	nd	nd
NGA # 130	LAILG-NGA 130-4	11/26/2008	nd	407.5	nd	nd	180.5	nd	nd	1.5[J,EB]	70.0	2.1[FB]	**1,096.2**	nd	nd
NGA # 150	LAILG-NGA 150-3	11/26/2008	nd	8,031.3	nd	nd	nd	nd	3.2	6.4	2,238.7	10.9[FB]	**780.0**	nd	nd
NGA # 25	LAILG-NGA 25-1	11/26/2008	nd	nd	30.1	12.3	0.7[J,EB]	nd	nd	nd	nd	89.6[FB]	nd	nd	nd
NGA # 150	LAILG-NGA 150-4	12/15/2008	nd	82,902.4	66.3	51.9	34.1	nd	8.4	9.3	6,642.4	nd	**2,116.6**	nd	nd
NGA # 124	LAILG-NGA 124-5	12/15/2008	nd	17,280.2	220.1	nd	346.4	95.7	0.5[J]	1.4[J,EB]	1,234.8	3.9[EB,FB]	**98.3**	nd	nd
NGA # 189	LAILG-NGA 189-2	12/15/2008	nd	nd	nd	nd	0.7[J]	nd	nd	1.0[J,EB]	4.4[EB,FB]	nd	nd	nd	nd
NGA # 110	LAILG-NGA 110-2	12/15/2008	nd	55.2	nd	nd	nd	nd	nd	0.5[J,EB]	11.5[EB,FB]	nd	nd	nd	nd
NGA # 31	LAILG-NGA 31-3	12/15/2008	nd	nd	nd	nd	48.5	nd	nd	0.9[J,EB]	nd	3.2[EB,FB]	nd	nd	nd
NGA # 184	LAILG-NGA 184-2	12/15/2008	nd	26.2	nd	nd	nd	nd	0.5[J]	2.0[EB]	nd	2.0[EB,FB]	nd	nd	nd
NGA # 130	LAILG-NGA 130-5	12/15/2008	nd	101.8	nd	nd	35.6	nd	nd	nd	28.8	nd	**210.7**	nd	nd
NGA # 178	LAILG-NGA 178-1	12/15/2008	nd	nd[Q3]	nd	nd	1.4[J]	nd[Q3]	0.8[J]	1.0[J,EB]	nd[Q3]	1.7[J,EB,FB]	nd	nd[M4]	nd[M4]
Duplicate	LAILG-NGA-DUP	12/15/2008	nd	nd	nd	nd	1.1[J]	nd	0.6 [J]	1[J,EB]	3.0[EB,FB]	nd	nd	nd	nd
NGA # 64	LAILG-NGA 64-2	12/15/2008	nd	81.3	nd	nd	26.9	nd	1.8[J]	nd	nd	nd	nd	nd	nd
NGA # 168	LAILG-NGA 168-5	12/15/2008	nd	1,333.2	31.9	nd	0.8[J]	nd	nd	nd	9.3[EB,FB]	0.7[J,EB,FB]	nd	nd	nd
NGA # 4	LAILG-NGA 4-4	12/15/2008	nd	311.5	133.6	133.6	93,137.5	452.3	3.6	nd	1,547	44.5	**824.4**	nd	nd
CWIL Limits			nl	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl [(1)]	nl	nl

MDL	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	5	0.5	5
RL	2	2	2	2	2	2	2	2	2.0	2	25	2	25

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in BOLD. Footnotes in BOLD indicate estimated.ated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimatec

CWIL	Conditional waiver for irrigated lands, order #R4-2005-0080
EB	estimated.ated concentration, constituent detected at greater than 10% in equipment blank
FD	estimated.ated concentration. Field Duplicate RPD >25%.
nl	not listed
nd	not detected
J	estimated.ated concentration, results above MDL but below RL
(1)	Although no discharge limits were set in the CWIL, the US EPA has set an aquatic life benchmark for this constituent. See Table 7

M4	Spike or surrogate compound recovery was out of control due to matrix interference. The associated method blank spike or surrogate compound was in control and therefore the sample data was reported without further clarification.
Q1	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration
Q2	The sample RPD was out of control. Sample is heterogeneous and sample homogeneity could not be readily achieved using routine laboratory practice:
Q3	RPD values are not accurate and not applicable because the results for R1 and/or R2 are lower than ten times the MDL.

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
PYRETHROID PESTICIDES
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Pyrethroid Pesticides												
			Allethrin	Bifenthrin	Cyfluthrin	Cypermethrin	Danitol	Deltamethrin	Esfenvalerate	Fenvalerate	Fluvalinate	L-Cyhalothrin	Permethrin	Prallethrin	Resmethrin
NGA #130	NGA-#130-LAILG-1	8/6/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #183	NGA-#183-LAILG-1	8/6/2007	nd	21[J]	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #19	NGA-#19-LAILG-1	8/13/2007	nd	13.7[J]	24.2[J]	nd	465.5	nd	nd	nd	5[J]	nd	444.9	nd	nd
NGA #124	NGA-#124-LAILG-1	8/13/2007	nd	62.2	nd	nd	74.7	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168	NGA-#168-LAILG-1	8/13/2007	nd	1348.2	19.8[J]	nd	nd	nd	nd	nd	nd	11.1[J]	nd	nd	nd
NGA BLANK	NGA LAILG-BLANK-1	8/13/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA FBLI	NGA-LAILG-FBLI	8/21/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA EQBLI	NGA-LAILG-EQBLI	8/21/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #150	NGA-#150-LAILG	9/25/2007	nd	19,426.6	153.4	nd	nd	nd	nd	nd	515.2	nd	5,208.8	nd	nd
NGA #183	ILG-#183	9/26/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #183-DUP	ILGNGA-#Dup	9/26/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #EQUIP	ILGNGA-#Equip	9/26/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #FIELD	ILGNGA-#FIELD-2	9/28/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168-2	ILGNGA-#168-2	9/28/2007	nd	964	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #168	NGA-#168-LAILG-3	11/30/2007	nd	nd	1.4[J]	1.6[J]	463.1	nd	nd	nd	nd	nd	nd	nd	na
NGA #182	NGA #182-LAILG-1	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	na
NGA #182-DUP	NGA-Duplicate	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	na
NGA #4	NGA #4-LAILG-1	12/7/2007	nd	10.7	30.6	nd	1,940.5	69	nd	nd	1.6[J]	55.1	nd	nd	na
NGA #130	NGA #130-LAILG-2	12/7/2007	nd	944.6	14.2	nd	73.5	nd	nd	nd	33.5	nd	327.3	nd	na
NGA #150	NGA #150-LAILG-2	12/7/2007	nd	1,566.7	nd	nd	nd	nd	nd	nd	17.9	nd	237.8	nd	na
NGA #124	NGA-#124-LAILG-2	12/7/2007	nd	3,083.4	183.8	nd	150.5	180.3	nd	nd	32.3	3.1	70.9	nd	na
NGA #EQUIP	NGA-equip blank	12/7/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #FIELD	Field Blank-2	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
NGA #176	NGA-#176-LAILG-1	12/18/2007	nd	870.5	nd	nd	3.4	nd	nd	nd	nd	nd	nd	nd	na
NGA #183	LAILG-NGA#183-3	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	na
NGA #19	LAILG-NGA#19-2	12/18/2007	nd	nd	11.5	nd	449.5	nd	nd	nd	6.6	nd	1,346.4	nd	na
NGA #13	LAILG-NGA#13-1	12/18/2007	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	na
NGA #53	LAILG-NGA#53-1	12/18/2007	nd	8	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.5	na
CWIL Limits			nl	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl	nl
MDL			0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
RL			2	2	2	2	2	2	2	2	2	2	2	2	2

Concentrations are reported in nanograms per liter (ng/L). Results above CWIL Limits are presented in BOLD. Footnotes in BOLD indicate estimated.ated concentration. All other footnotes are for reference purposes; data was not deemed to be qualified as estimatec

CWIL Conditional waiver for irrigated lands, order #R4-2005-0080
na not analyzed
J estimated.ated concentration, results above MDL but below RL

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 3 INTERIM
TOXICITY RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Ceriodaphnia		Fathead Minnow		Selenastrum	TIE	
			Survival	Reproduction	Survival	Growth	Growth	Date	Result
NGA #124	LAILG-NGA-124-10	11/29/2018	100.00%	N	**	**	**		
NGA #158	LAILG-NGA-158-2	11/29/2018	100.00%	N	**	**	**		
NGA #178	LAILG-NGA-178-5	11/29/2018	100.00%	N	**	**	**		
NGA #202	LAILG-NGA-202-3	11/29/2018	100.00%	N	**	**	**		
NGA #4	LAILG-NGA-4-10	1/14/2019	**0.00%**	**Y**	**	**	**		
NGA #19	LAILG-NGA-19-10	1/14/2019	100.00%	N	**	**	**		
NGA #64	LAILG-NGA-64-6	1/14/2019	100.00%	N	**	**	**		
NGA #168	LAILG-NGA-168-10	1/14/2019	100.00%	N	**	**	**		

**	not analyzed, not most sensitive species
Y	significantly different from control group
N	no significant difference between control group
P	partial toxicity. Toxicity high enough to exhibit effects, but not significant enough to initiate a succesful TIE (Typically needs a TUc of greater than 2).
NR	not required

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 2 INTERIM
TOXICITY RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Ceriodaphnia		Fathead Minnow		Selenastrum	TIE	
			Survival	Reproduction	Survival	Growth	Growth	Date	Result
NGA #124	LAILG-NGA-124-9	1/9/2018	100.00%	N	**	**	**		
NGA #178	LAILG-NGA-178-4	1/9/2018	100.00%	N	**	**	**		
NGA #184	LAILG-NGA-184-4	1/9/2018	100.00%	N	**	**	**		
NGA #202	LAILG-NGA-202-2	1/9/2018	100.00%	N	**	**	**		
NGA #4	LAILG-NGA-4-9	3/22/2018	**0.00%**	**Y**	**	**	**		
NGA #19	LAILG-NGA-19-9	3/22/2018	100.00%	N	**	**	**		
NGA #64	LAILG-NGA-64-5	3/22/2018	80.00%	N	**	**	**		
NGA #168	LAILG-NGA-168-9	3/22/2018	100.00%	N	**	**	**		

**	not analyzed, not most sensitive species
Y	significantly different from control group
N	no significant difference between control group
P	partial toxicity. Toxicity high enough to exhibit effects, but not significant enough to initiate a succesful TIE (Typically needs a TUc of greater than 2).
NR	not required

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 1 INTERIM
TOXICITY RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Ceriodaphnia		Fathead Minnow		Selenastrum	TIE	
			Survival	Reproduction	Survival	Growth	Growth	Date	Result
NGA #4	LAILG-NGA-4-8	1/20/2017	**0.00%**	**Y**	**21.60%**	**Y**	**Y**	2/15/2017	Suspended solids or particle bound toxicants
NGA #19	LAILG-NGA-19-8	1/20/2017	100.00%	N	100.00%	N	N		
NGA #176	LAILG-NGA-176-3	1/20/2017	100.00%	N	100.00%	N	N		
NGA #124	LAILG-NGA-124-8	2/17/2017	100.00%	N	100.00%	N	**P**		
NGA #150	LAILG-NGA-150-7	2/17/2017	**0.00%**	**Y**	100.00%	N	**P**		
NGA #158	LAILG-NGA-158-1	2/17/2017	100.00%	N	100.00%	N	**P**		
NGA #178	LAILG-NGA-178-3	2/17/2017	100.00%	N	100.00%	N	N		
NGA #202	LAILG-NGA- 202-1	2/17/2017	100.00%	N	100.00%	N	**P**		

Y	significantly different from control group
N	no significant difference between control group
P	partial toxicity. Toxicity high enough to exhibit effects, but not significant enough to initiate a succesful TIE (Typically needs a TUc of greater than 2).
NR	not required

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 5 CONTINUATION
TOXICITY RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Ceriodaphnia		Fathead Minnow		Selenastrum	TIE	
			Survival	Reproduction	Survival	Growth	Growth	Date	Result
NGA #64	LAILG-NGA-64-4	1/5/2016	100.00%	N	100.00%	N	N		
NGA #168	LAILG-NGA-168-8	1/5/2016	100.00%	N	100.00%	N	**Y**		No TIE, IC50 > 50% for Selenastrum (75.35%)

Y significantly different from control group
N no significant difference between control group
P partial toxicity. Toxicity high enough to exhibit effects, but not significant enough to initiate a succesful TIE (Typically needs a TUc of greater than 2).
NR not required

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 4
TOXICITY RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Ceriodaphnia		Fathead Minnow		Selenastrum	TIE	
			Survival	Reproduction	Survival	Growth	Growth	Date	Result
NGA #150	LAILG-NGA-150-6	12/2/2014	100.00%	P	100.00%	N	**Y**		No TIE, IC50 > 50% for Selenastrum (>100%)
NGA #188	LAILG-NGA-188-1	12/2/2014	100.00%	N	100.00%	N	N		
NGA #168	LAILG-NGA-168-7	5/15/2015	100.00%	N	100.00%	N	N		

Y	significantly different from control group
N	no significant difference between control group
P	partial toxicity. Toxicity high enough to exhibit effects, but not significant enough to initiate a succesful TIE (Typically needs a TUc of greater than 2).
NR	not required

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 3
TOXICITY RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Ceriodaphnia		Fathead Minnow		Selenastrum	TIE	
			Survival	Reproduction	Survival	Growth	Growth	Date	Result
NGA #19	LAILG-NGA19-7	2/28/2014	100.00%	N	100.00%	N	**Y**		No TIE, IC50 > 50% for Selenastrum (87.03%)
NGA #26	LAILG-NGA26-1	2/28/2014	100.00%	N	100.00%	N	N		
NGA #124	LAILG-NGA124-7	2/28/2014	100.00%	N	100.00%	N	**Y**		No TIE, IC50 > 50% for Selenastrum (>100%)
NGA #178	LAILG-NGA178-2	2/28/2014	100.00%	N	100.00%	N	**Y**		No TIE, IC50 > 50% for Selenastrum (97.98%)
NGA #184	LAILG-NGA184-3	2/28/2014	100.00%	N	100.00%	N	**Y**		No TIE, IC50 > 50% for Selenastrum (>100%)

Y significantly different from control group
N no significant difference between control group
P partial toxicity. Toxicity high enough to exhibit effects, but not significant enough to initiate a succesful TIE (Typically needs a TUc of greater than 2).
NR not required

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 1
TOXICITY RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Ceriodaphnia		Fathead Minnow		Selenastrum	TIE	
			Survival	Reproduction	Survival	Growth	Growth	Date	Result
NGA #4	LAILG-NGA4-5	3/21/2011	**0.00%**	**Y**	**15.00%**	**Y**	**Y**	3/27/2012	Non-polar organics and organophosphates
NGA #124	LAILG-NGA124-6	3/21/2011	90.00%	N	100.00%	N	N		
NGA # 150	LAILG-NGA 150-5	3/21/2011	100.00%	N	100.00%	N	**Y**	3/27/2012	Organophosphates
NGA #19	LAILG-NGA19-6	3/23/2011	100.00%	**Y**	**0.00%**	**Y**	**Y**	3/27/2012	TIE was initiated, did not show an observed effect
NGA #168	LAILG-NGA168-6	3/17/2012	100.00%	N	95.00%	N	N		
NGA #31	LAILG-NGA31-4	3/17/2012	70.00%	**Y**	90.00%	N	**Y**	3/24/2012	Non-polar organic compounds and metals
NGA #162	LAILG-NGA162-1	3/17/2012	100.00%	N	96.67%	N	N		
NGA #64	LAILG-NGA64-3	3/17/2012	90.00%	N	100.00%	N	N		

Y significantly different from control group
N no significant difference between control group
P partial toxicity. Toxicity high enough to exhibit effects, but not significant enough to initiate a succesful TIE (Typically needs a TUc of greater than 2).
NR not required

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
TOXICITY RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Ceriodaphnia		Fathead Minnow		Selenastrum	TIE	
			Survival	Reproduction	Survival	Growth	Growth	Date	Result
NGA #110	LAILG-NGA110-1	1/4/2008	90.00%	N	80.00%	N	N		
NGA #189	LAILG-NGA189-1	1/4/2008	100.00%	N	91.67%	N	**Y**		
NGA #19	LAILG-NGA19-3	1/5/2008	TIE initiated based in results from sample LAILG-NGA#19-2					1/8/2008	TIE was initiated, did not show an observed effect
NGA #124	LAILG-NGA124-3	1/5/2008	TIE initiated based in results from sample NGA #124-LAILG-2					1/8/2008	TIE was initiated, did not show an observed effect
NGA #4	LAILG-NGA4-2	1/23/2008	TIE initiated based in results from sample NGA #4-LAILG-1					1/24/2008	Non-polar organic compounds
NGA #53	LAILG-NGA53-2	1/23/2008	TIE initiated based in results from sample NGA #53-LAILG-1					1/24/2008	TIE was initiated, did not show an observed effect
NGA #64	LAILG-NGA64-1	1/23/2008	100.00%	**Y**	91.67%	N	N		
NGA #182	LAILG-NGA182-2	1/23/2008	TIE initiated based in results from sample NGA #182-LAILG-1					1/24/2008	TIE was initiated, did not show an observed effect
NGA #19	LAILG-NGA 19-4	8/12/2008	90.00%	N	NR		NR		
NGA # 4	LAILG-NGA 4-3	8/13/2008	**0.00%**	**Y**	NR		NR	8/26/2008	Non-polar organics and particulate-bound toxicants
NGA # 31	LAILG-NGA 31-1	9/23/2008	**20.00%**	**Y**	NR		NR		
NGA # 19	LAILG-NGA19-5	11/26/2008	70.00%	**Y**	NR		NR		
NGA # 210	LAILG-NGA 210-1	11/26/2008	90.00%	**P**	98.33%	N	N		
NGA # 184	LAILG-NGA 184-1	11/26/2008	80.00%	**P**	100.00%	N	N		
NGA # 124	LAILG-NGA 124-4	11/26/2008	**0.00%**	**Y**	NR		NR	12/9/2008	Volatile compounds
NGA #31	LAILG-NGA 31-2	11/26/2008	80.00%	N	98.33%	N	**P**		
NGA # 130	LAILG-NGA 130-4	11/26/2008	NR		NR		N		
NGA # 150	LAILG-NGA 150-3	11/26/2008	NR		NR		**P**		
NGA # 25	LAILG-NGA 25-1	11/26/2008	80.00%	**Y**	100.00%	N	N		
NGA # 124	LAILG-NGA 124-5	12/15/2008	**0.00%**	**Y**	NR		NR	12/16/2008	TIE was initiated, did not show an observed effect
NGA # 189	LAILG-NGA 189-2	12/15/2008	NR		NR		**Y**	1/15/2009	Particulate Bound toxicants and OP compounds
NGA # 110	LAILG-NGA 110-2	12/15/2008	90.00%	N	NR		NR		
NGA # 178	LAILG-NGA 178-1	12/15/2008	100.00%	N	100.00%	N	N		
NGA # 64	LAILG-NGA 64-2	12/15/2008	90.00%	**P**	NR		NR		
NGA # 168	LAILG-NGA 168-5	12/15/2008	90.00%	**P**	NR		NR		
NGA # 4	LAILG-NGA 4-4	12/15/2008	**0.00%**	**Y**	NR		NR	12/16/2008	Metals,copper,cadmium,zink,manganese,lead,and nickle

Y	significantly different from control group
N	no significant difference between control group
P	partial toxicity. Toxicity high enough to exhibit effects, but not significant enough to initiate a succesful TIE (Typically needs a TUc of greater than 2).
NR	not required

SUMMARY OF HISTORICAL SAMPLES COLLECTED UNDER CWIL ORDER R4-2005-0080
TOXICITY RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample #	Date	Ceriodaphnia		Fathead Minnow		Selenastrum	TIE	
			Survival	Reproduction	Survival	Growth	Growth	Date	Result
NGA #130	NGA-#130-LAILG-1	8/6/2007	100.00%	N	93.33%	N	**Y**	ns	
NGA #183	NGA-#183-LAILG-1	8/6/2007	100.00%	N	93.33%	N	N		
NGA #19	NGA-#19-LAILG-1	8/13/2007	80.00%	N	98.30%	N	N		
NGA #124	NGA-#124-LAILG-1	8/13/2007	100.00%	N	98.30%	N	N		
NGA #168	NGA-#168-LAILG-1	8/13/2007	**0.00%**	**Y**	98.30%	N	**Y**	9/28/2008	100% survival
NGA #150	NGA-#150-LAILG	9/25/2007	**0.00%**	**Y**	98.33%	N	**Y**	ns	
NGA #168	NGA-#168-LAILG-3	11/30/2007	100.00%	N	100.00%	N	N		
NGA #182	NGA #182-LAILG-1	12/7/2007	**0.00%**	**Y**	98.33%	N	**Y**	ns	
NGA #4	NGA #4-LAILG-1	12/7/2007	**0.00%**	**Y**	**40.00%**	**Y**	**Y**	ns	
NGA #130	NGA #130-LAILG-2	12/7/2007	100.00%	N	98.33%	N	N		
NGA #150	NGA #150-LAILG-2	12/7/2007	100.00%	N	98.33%	N	**Y**	ns	
NGA #124	NGA-#124-LAILG-2	12/7/2007	**0.00%**	**Y**	100.00%	N	**Y**	ns	
NGA #176	NGA-#176-LAILG-1	12/18/2007	100.00%	N	100.00%	N	N		
NGA #183	LAILG-NGA#183-3	12/18/2007	100.00%	N	100.00%	N	N		
NGA #19	LAILG-NGA#19-2	12/18/2007	**50.00%**	**Y**	100.00%	N	N	ns	
NGA #13	LAILG-NGA#13-1	12/18/2007	**10.00%**	**Y**	**21.67%**	**Y**	N	ns	
NGA #53	LAILG-NGA#53-1	12/18/2007	100.00%	N	81.67%	N	N		

Y Significantly different from control group
N No significant difference between control group
ns not enough runoff for follow up sample

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 1
FIELD MONITORING RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample ID	Date	Sample Type	Time (24hr)	*Approximate Flow Cross Section (ft^2)	Flow (ft/s)	Temperature (^oC)	pH	E.C. (uS)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
NGA #4	LAILG-NGA#4-5	3/21/2011	Bucket	10:40	0.1250	0.01	11.0	9.81	43	na*	85
				10:44		0.01	11.1	9.64	25	na*	181
				10:50		0.01	11.2	9.29	25	na*	197
NGA #124	LAILG-NGA#124-6	3/21/2011	Bucket	8:00	nm	9	10.4	7.89	292	na*	54.9
				8:05		11	10.5	7.82	282	na*	49.7
				8:10		13	10.5	7.87	268	na*	16.8
NGA #150	LAILG-NGA#150-5	3/21/2011	Bucket	10:47	0.0185	4	15.4	6.70	1170	na*	34.7
				10:49		4	16.0	6.61	1127	na*	33.7
				10:50		5	15.9	6.59	1163	na*	38.0
NGA #19	LAILG-NGA#19-6	3/23/2011	Grab	16:58	nm	nm	13.9	8.88	1.32	na*	999
				17:00		nm	14.2	8.83	1.05	na*	999
				17:02		nm	12.6	8.87	1.19	na*	999
NGA #31	LAILG-NGA#31-4	3/17/2012	Grab	14:30	0.6042	0.88	13.83	7.73	99.9	9.33	220
				14:34		0.84	13.63	7.75	99.9	8.77	174
				14:38		0.94	13.44	7.95	98.6	8.51	181
NGA #64	LAILG-NGA#64-3	3/17/2012	Grab	9:50	0.0833	1.3	14.7	5.5	14.3	10.48	352
				9:53		1.2	14.5	4.9	9.4	10.58	623
				9:58		1.3	14.5	5.2	4.2	10.43	179
NGA #162	LAILG-NGA#162-1	3/17/2012	Grab	13:00	nm	nm	13.37	6.94	66.2	10.67	3.3
				13:02		nm	13.42	7.24	65.9	10.33	1.6
				13:05		nm	13.32	7.46	66.1	9.93	1.2
NGA #168	LAILG-NGA#168-6	3/17/2012	Grab	11:15	0.0556	0.71	13.78	6.1	84.5	10.68	>800
				11:18		0.52	13.83	6.8	85.9	10.05	>800
				11:21		0.71	13.77	7.1	82.2	9.62	>800
NGA #4	LAILG-NGA#4-6	3/25/2012	Pump	12:50	No flow measurements due to access restrictions		16.21	5.63	43.7	8.52	44.9
				12:52			16.31	5.74	39.3	8.58	35.7
				12:54			15.95	5.89	37.1	8.89	42.9

* Runoff streams were assumed to have a parabolic shape unless field measurements indicated otherwise. The cross sectional area of a parabola is 2/3*width*depth.

ft/s feet per second

^oC degrees celcius

uS microsiemens

mg/L milligrams per liter

NTU Nephelometric Turbidity Units

na* Not analyzed, DO meter was not functioning properly at the time of field sampling

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 1
FIELD MONITORING RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample ID	Date	Sample Type	Time (24hr)	*Approximate Flow Cross Section (ft^2)	Flow (ft/s)	Temperature (^oC)	pH	E.C. (uS)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
NGA #170	LAILG-NGA#170-1	3/25/2012	Grab	14:35	nm	nm	13.81	6.18	25.8	10.59	512
				14:37		nm	13.98	6.32	22.1	10.23	452
				14:40		nm	13.73	6.27	19.8	10.31	446
NGA #176	LAILG-NGA#176-2	3/25/2012	Grab	15:15	nm	nm	13.17	6.49	39.7	10.69	>800
				15:17		nm	13.16	6.63	38.4	10.41	>800
				15:21		nm	12.73	6.44	40.2	10.69	>800
NGA #210	LAILG-NGA#210-2	3/25/2012	Grab	17:45	nm	nm	13.21	7.22	0.129	10.55	5.8
				17:47		nm	13.35	7.75	0.130	10.40	3.8
				17:50		nm	13.88	7.93	0.133	10.24	5.5

* Runoff streams were assumed to have a parabolic shape unless field measurements indicated otherwise. The cross sectional area of a parabola is 2/3*width*depth.

ft/s	feet per second	mg/L	milligrams per liter
^oC	degrees celcius	NTU	Nephelometric Turbidity Units
uS	microsiemens	nm	not monitored

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 3
FIELD MONITORING RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample ID	Date	Sample Type	Time (24hr)	*Approximate Flow Cross Section (ft^2)	Flow (ft/s)	Temperature (^oC)	pH	E.C. (uS)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
NGA #19	LAILG-NGA19-7	2/28/2014	Bucket	6:11	nm	nm	12.4	7.92	1114	9.08	815
				6:12		nm	12.3	7.98	1152	9.52	820
				6:13		nm	12.4	7.87	1112	9.61	810
NGA #26	LAILG-NGA26-1	2/28/2014	Bucket	9:01	nm	nm	14.8	7.77	1081	7.84	212
				9:02		nm	14.7	7.82	1057	7.95	225
				9:03		nm	14.7	7.83	1072	7.88	220
NGA #124	LAILG-NGA124-7	2/28/2014	Bucket	11:22	nm	nm	14.7	7.65	894	9.10	475
				11:23		nm	14.6	7.50	910	9.01	450
				11:24		nm	14.7	7.51	915	8.80	482
NGA #178	LAILG-NGA178-2	2/28/2014	Bucket	10:00	nm	nm	15.0	7.88	928	10.15	468
				10:01		nm	14.9	7.92	952	10.28	472
				10:02		nm	15.0	7.81	943	10.21	490
NGA #184	LAILG-NGA184-3	2/28/2014	Bucket	7:10	nm	nm	14.7	8.01	1213	8.11	512
				7:11		nm	14.6	8.10	1219	8.23	552
				7:12		nm	14.6	7.93	1242	8.15	495

* Runoff streams were assumed to have a parabolic shape unless field measurements indicated otherwise. The cross sectional area of a parabola is 2/3*width*depth.

ft/s feet per second mg/L milligrams per liter

^oC degrees celcius NTU Nephelometric Turbidity Units

uS microsiemens

na* Not analyzed, DO meter was not functioning properly at the time of field sampling

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 4
FIELD MONITORING RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample ID	Date	Sample Type	Time (24hr)	*Approximate Flow Cross Section (ft^2)	Flow (ft/s)	Temperature (^oC)	pH	E.C. (uS)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
NGA #150	LAILG-NGA150-6	12/2/2014	Grab	8:00	nm	nm	14.8	9.31	460	9.40	150
				8:15		nm	14.8	9.50	450	9.30	130
				8:20		nm	14.9	8.94	440	10.50	180
NGA #168	LAILG-NGA168-7	5/15/2015	Bucket	11:20	nm	nm	16.6	7.35	663	9.87	76
				11:22		nm	16.5	7.44	651	9.47	90
				11:23		nm	16.4	7.5	689	9.72	102
NGA #188	LAILG-NGA188-1	12/2/2014	Grab	13:55	nm	nm	13.9	8.83	399	8.00	900
				14:05		nm	14.1	8.70	382	7.80	800
				14:10		nm	14.1	8.56	393	8.50	630

* Runoff streams were assumed to have a parabolic shape unless field measurements indicated otherwise. The cross sectional area of a parabola is 2/3*width*depth.

ft/s feet per second

mg/L milligrams per liter

^oC degrees celcius

NTU Nephelometric Turbidity Units

uS microsiemens

na* Not analyzed, DO meter was not functioning properly at the time of field sampling

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2010-0186 YEAR 5 CONTINUATION
FIELD MONITORING RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample ID	Date	Sample Type	Time (24hr)	*Approximate Flow Cross Section (ft^2)	Flow (ft/s)	Temperature (^oC)	pH	E.C. (uS)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
NGA #64	LAILG-NGA-64-4	1/15/2016	Bucket	8:30	nm	nm	13.2	9.00	85	13.00	58
				8:40		nm	13.0	8.80	63	12.62	66
				8:42		nm	12.9	8.27	80	12.37	113
NGA #168	LAILG-NGA168-8	1/15/2016	Bucket	9:15	nm	nm	12.59	8.12	568	12.93	244
				9:45		nm	12.53	8.14	603	12.49	286
				9:47		nm	12.42	7.96	646	12.62	288

* Runoff streams were assumed to have a parabolic shape unless field measurements indicated otherwise. The cross sectional area of a parabola is 2/3*width*depth.

ft/s feet per second

mg/L milligrams per liter

^oC degrees celcius

NTU Nephelometric Turbidity Units

uS microsiemens

na* Not analyzed, DO meter was not functioning properly at the time of field sampling

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 1 INTERIM
FIELD MONITORING RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample ID	Date	Sample Type	Time (24hr)	*Approximate Flow Cross Section (ft^2)	Flow (ft/s)	Temperature (^oC)	pH	E.C. (uS)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
NGA #4	LAILG-NGA-4-8	1/20/2017	Bucket	13:45	nm	nm	13.76	8.37	76	5.67	35.9
				14:05		nm	13.99	7.66	57	8.34	31.8
				nm		nm	nm	nm	nm	nm	nm
NG#19	LAILG-NGA19-8	1/20/2017	Bucket	8:03	nm	nm	7.56	9.01	884	8.08	1000
				8:25		nm	7.54	9.06	882	8.08	1000
				8:40		nm	8.24	8.12	741	6.19	1000
NGA#176	LAILG-NGA-176-3	1/20/2017	Bucket	12:00	nm	nm	10.69	8.54	123	13.93	641
				12:30		nm	11.31	8.07	159	7.51	738
				nm		nm	nm	nm	nm	nm	nm
NGA #124	LAILG-NGA-124-8	2/17/2017	Bucket	14:45	est. 10 gal/sec		12.97	7.92	209	14.88	847
				14:50			12.96	8.16	431	17.56	825
				14:55			12.98	7.98	309	18.91	832
NGA #150	LAILG-NGA150-7	2/17/2017	Bucket	16:10	nm	nm	12.99	7.53	325	6.44	70.1
				16:15		nm	13.03	7.44	324	8.84	48.4
				16:20		nm	13.04	7.34	267	10.31	42.6
NGA #158	LAILG-NGA-158-1	2/17/2017	Bucket	14:03	est. 1 gal/sec		12.45	8.76	413	13.21	70.9
				14:13			12.98	8.14	73	21.37	51.8
				14:27			12.84	8.09	213	18.64	46.4
NGA #178	LAILG-NGA178-3	2/17/2017	Bucket	12:40	est. 1 gal/sec		11.97	8.25	893	na	1000+
				12:43			11.99	8.12	903	na	1000+
				12:48			11.98	8.06	894	na	1000+
NGA #202	LAILG-NGA202-1	2/17/2017	Bucket	15:10	est. 15 gal/sec		12.86	8.18	131	12.93	122
				15:15			12.85	8.17	129	12.80	116
				15:20			12.85	8.14	127	10.01	108

* Runoff streams were assumed to have a parabolic shape unless field measurements indicated otherwise. The cross sectional area of a parabola is 2/3*width*depth.

ft/s feet per second
mg/L milligrams per liter
^oC degrees celcius
NTU Nephelometric Turbidity Units
uS microsiemens
na* Not analyzed, DO meter was not functioning properly at the time of field sampling

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 2 INTERIM
FIELD MONITORING RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample ID	Date	Sample Type	Time (24hr)	*Approximate Flow Cross Section (ft^2)	Flow (ft/s)	Temperature (^oC)	pH	E.C. (uS)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
NGA #124	LAILG-NGA-124-9	1/9/2018	Bucket	8:30	18"	2.00	13.74	7.77	1130	30.30	339
				8:35		2.00	13.75	7.80	1190	nm	325
				8:40		2.00	13.75	7.80	1200	nm	330
NG#178	LAILG-NGA-178-4	1/9/2018	Bucket	6:45	20"	2.00	12.02	8.07	743	31.07	1000+
				6:50		2.00	12.00	8.15	750	nm	1000+
				6:55		2.00	12.00	8.10	750	nm	1000+
NG#184	LAILG-NGA-184-4	1/9/2018	Bucket	5:35	est. 3 gal/sec		11.75	7.89	399	27.23	1000+
				5:40			11.80	7.75	398	nm	1000+
				5:45			11.79	7.79	395	nm	1000+
NGA#202	LAILG-NGA-202-2	1/9/2018	Bucket	11:30	6"	0.25	16.06	8.36	431	20.61	230
				11:35		0.25	16.10	8.30	425	nm	169
				1:40		0.25	16.11	8.40	430	nm	175
NGA #4	LAILG-NGA-4-9	3/22/2018	Bucket	11:00	24"	1.00	15.86	7.76	56	17.89	220
				11:05		1.00	15.99	7.76	55	17.38	206
				11:10		1.00	16.16	7.85	51	16.19	192
NGA #19	LAILG-NGA-19-9	3/22/2018	Bucket	8:10	10"	2.00	14.05	6.88	1310	31.18	743
				8:15		2.00	14.08	6.89	1320	31.17	738
				8:20		2.00	14.12	6.89	1300	31.15	732
NGA #64	LAILG-NGA-64-5	3/22/2018	Bucket	11:45	12"	0.50	17.46	8.80	84	24.32	43.9
				11:50		0.50	18.11	9.13	57	15.87	25.8
				11:55		0.50	18.09	9.17	70	15.79	59.6
NGA #168	LAILG-NGA-168-9	3/22/2018	Bucket	13:00	4"	0.50	16.87	9.17	674	17.76	92.7
				13:05		0.50	16.84	9.24	680	16.89	90.1
				13:10		0.50	16.80	9.27	679	16.23	84.3

* Runoff streams were assumed to have a parabolic shape unless field measurements indicated otherwise. The cross sectional area of a parabola is 2/3*width*depth.

ft/s feet per second
mg/L milligrams per liter
^oC degrees celcius
NTU Nephelometric Turbidity Units
uS microsiemens
na* Not analyzed, DO meter was not functioning properly at the time of field sampling

SUMMARY OF SAMPLES COLLECTED - CWIL ORDER R4-2016-0143 YEAR 2 INTERIM
FIELD MONITORING RESULTS
NURSERY GROWERS ASSOCIATION
LOS ANGELES IRRIGATED LANDS GROUP

Site	Sample ID	Date	Sample Type	Time (24hr)	*Approximate Flow Cross Section (ft^2)	Flow (ft/s)	Temperature (^oC)	pH	E.C. (uS)	Dissolved Oxygen (mg/L)	Turbidity (NTU)
NGA #124	LAILG-NGA-124-10	11/29/2018	Bucket	7:25	0.5000	2.00	14.90	7.50	nm	nm	82.2
				7:30		2.00	14.90	7.63	nm	nm	94.4
				7:35		2.00	14.90	7.59	nm	nm	92.0
NG#158	LAILG-NGA-178-5	11/29/2018	Bucket	8:20	0.0116	0.50	14.90	7.40	nm	nm	105
				8:25		0.50	14.90	7.50	nm	nm	108
				8:30		0.50	14.90	7.55	nm	nm	99
NG#178	LAILG-NGA-178-5	11/29/2018	Bucket	5:55	0.0139	1.00	14.10	7.60	nm	nm	61.2
				6:00		1.00	14.10	7.95	nm	nm	63.5
				6:05		1.00	14.10	7.51	nm	nm	67.5
NGA#202	LAILG-NGA-202-3	11/29/2018	Bucket	10:35	0.0556	2.00	15.80	7.62	nm	nm	85.0
				10:40		2.00	15.80	7.74	nm	nm	86.5
				10:45		2.00	15.80	7.76	nm	nm	82.0
NGA #4	LAILG-NGA-4-10	1/14/2019	Bucket	12:45	0.0556	0.50	12.40	7.10	nm	nm	23.8
				12:50		0.50	12.40	7.20	nm	nm	25.6
				12:55		0.50	12.30	7.15	nm	nm	22.0
NGA #19	LAILG-NGA-19-10	1/14/2019	Bucket	7:30	0.0218	1.00	11.90	7.46	106	nm	272
				7:33		0.75	11.90	7.43	107	nm	286
				7:38		0.50	11.80	7.40	106	nm	263
NGA #64	LAILG-NGA-64-6	1/14/2019	Bucket	12:05	0.1110	1.00	12.90	7.10	nm	nm	45.4
				12:10		1.00	12.90	6.90	nm	nm	52.4
				12:15		1.00	12.90	7.00	nm	nm	45
NGA #168	LAILG-NGA-168-10	1/14/2019	Bucket	11:00	0.0873	3.00	11.50	6.76	330	9.42	75.5
				11:05		3.00	11.50	6.85	330	9.60	72.0
				11:10		3.00	11.50	6.90	330	9.40	68.0

* Runoff streams were assumed to have a parabolic shape unless field measurements indicated otherwise. The cross sectional area of a parabola is 2/3*width*depth.

ft/s feet per second
^oC degrees celcius
uS microsiemens
mg/L milligrams per liter
NTU Nephelometric Turbidity Units
na* Not analyzed, DO meter was not functioning properly at the time of field sampling

APPENDIX C

GROWER OUTREACH

Gmail

Ariana Zamora McCray <ariana@nurserygrowers.org>

Enrollment in Los Angeles Irrigated Lands Group

1 message

Ariana Zamora McCray <ariana@nurserygrowers.org> Thu, May 14, 2020 at 3:13 PM
To: [redacted]
Bcc: [redacted]

Hello,

My name is Ariana McCray and I manage the Los Angeles Irrigated Lands Group (LAILG). This group was formed by the Nursery Growers Association to assist growers in complying with the Los Angeles Regional Water Quality Control Board (LARWQCB) Conditional Waiver for Discharge from Irrigated Lands (Order No. R4-2016-0143), as issued by the on April 14, 2016.

All irrigated agricultural use parcels in Los Angeles County are required by law to enroll in the Waiver program either as an individual or as part of a group. Currently, LAILG is the only group operating in LA County. If another group is to form in the future, you will have that as an option as well. When you filled out the Contact Sheet and submitted it to the LAILG for inclusion in the group, you signaled your intent to be part of this collective that is in place to help you meet the conditions of the waiver. This waiver is conditional and requires that our group meet certain criteria to allow for the continuation of the waiver. The LARWQCB can rescind this waiver at any time if they feel our group is not complying with the requirements as outlined in the waiver. That would result in each individual agricultural entity having to secure a waste discharge permit from the LARWQCB. This is a much more restrictive and expensive proposition and would be subject to fines and penalties for ANY discharge- even during a rain event.

As a member of the group you receive the benefits of collective participation. Currently, we have 270 member entities with 329 enrolled parcels. Our group includes container nurseries, wholesale/retail operations, row crop farms, greenhouse, vineyards, orchards, and agricultural colleges and universities- all the types of agriculture that are common in Los Angeles County. Our biggest operation is over 70 irrigated acres, while most of our members operate on less than 5 acres. The group will communicate with the LARWQCB on your behalf, as well as prepare all documentation and submissions as required by law. The group also conducts all water sampling and analysis as mandated by the conditions of the Waiver. This type of program is expensive; our group requires approximately $300,000 each year to meet our obligations as outlined in the waiver. The primary benefit of the group is the distribution of costs over all or the members. If you were to enroll as an individual, we estimate that it would cost you approximately $25,000 - $40,000 every year to remain in compliance.

To be a member in good standing with the LAILG you must do the following:

1. Maintain an active yearly membership in Plant California Alliance.
2. Pay the enrollment fee and annual dues assessed by the LAILG to maintain operations.
3. Fill out the required paperwork for entrance into the group.
4. Complete 2 hours of continuing education, as approved by LARWQCB each year of the Waiver.
5. Implement and document BMPs at your facilities that relate to water quality and reduction of runoff.

Plant California Alliance Membership
LAILG was created by the Nursery Growers Association (NGA) in response to the LARWQCB's adoption of the Conditional Waiver. Since then, NGA has unified with the California Association of Nurseries and Garden Centers to form Plant California Alliance. The LAILG program will continue to be run under NGA. Plant California Alliance dues are $375 if you gross less than $2 million annually, and $750 if you gross more than $2 million.

LAILG Assessments
Each member of the group can expect to receive an invoice approximately every 12 months. The Program Manager will estimate the expenses for the upcoming 12 months and will assess the membership based on the amount needed to cover the next 12 months. Assessment will be done on a "per site AND per acre" basis. Everyone will be charged a fixed amount for each site that is enrolled in the group, ex. $150/ site. We will also charge on a 'per irrigated acre' basis, ex. $170/acre, up to 100 irrigated acres. Based on our example - If you have enrolled 1 site, with 1 irrigated acre you will be billed $150 + $170 for a total of $320. If you have 5 sites with a total of 75 irrigated acres you will be billed $750 + $12,750 for a total of $13,500. At our current level of membership (329 parcels, 1,474 irrigated acres), this example would generate $299,930 in operating funds for the group. The logic behind this structure is that larger operations have more ground that will produce run-off during a rain event and therefore contribute a larger amount of

unwanted pollutants into the watershed. Additionally, each site must be maintained as a separate entity for mapping, reporting, potential monitoring, and documentation, hence the 'per site' fee. This makes it fair for all participants in the group. The more acres we have enrolled in the group, the smaller your individual assessment will be! Maintaining and recruiting new members is key to making this program sustainable for all members. You are in this together!

Delinquency/Non-compliance
From time to time there are members who do not complete all that is required in order to maintain good standing in the group. This most commonly occurs regarding payment of assessments and/or membership dues. I have attached your outstanding invoices that are due upon receipt. If needed, LAILG offers low-cost financing options. Please contact me to discuss these options. Growers that are more than 6 months past due will be automatically expelled from the group and reported to the Water Board which may result in legal action by the LARWQCB. This is a matter of fairness for the group. The group only works if everyone does their part. The group cannot carry members who do not pay into the collective operating funds.

Continuing Education
The Conditional Waiver requires that growers earn two hours of continuing education each year. At the moment, there are no classes available due to the COVID-19 situation. We are working with the Water Board in hopes of getting online classes approved. LAILG will send email announcements for any class approved. It will also be posted on our website at www.nurserygrowers.org.

Group Contact Information
You will be receiving email updates/newsletters regarding the activities of the group, such as continuing education events. The group will also use the mass emailing service MailChimp. Please do not 'opt out' of these services. This is the most efficient and effective way for the group to communicate with you.

Sincerely,

Ariana Zamora McCray
Director, Member Relations
Manager, LAILG Program
(805) 668-1876
www.nurserygrowers.org

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2 attachments

[redacted]

[redacted]
56K

Gmail

Ariana Zamora McCray <ariana@nurserygrowers.org>

LAILG Required Paperwork

1 message

Ariana Zamora McCray <ariana@nurserygrowers.org> Thu, Aug 20, 2020 at 12:52 PM
To: [redacted]

Hello,

As part of the Los Angeles Irrigated Lands Group, you are required to complete six surveys so we can better understand your operation. If you are receiving this email, it means you have not completed one or more of these surveys.

The preferred method of completing the surveys is to do so via our website. This link will take you to the sign in page. In order to set up a password, you'll need to click **Forgot your password** and enter **rhirsh@johnpaulrichard.com** as the account email. You will receive a password reset email from info@nurserygrowers.org. Click the link and choose a new password. You'll now be directed to your online account. Click the Forms link to get started on the next step.

If you own more than one nursery site, please complete just one General Questionnaire per company.

If you have any questions at all, please feel free to contact me.

Thank you,

Ariana Zamora McCray

Manager, Los Angeles Irrigated Lands Group

(805) 668-1876

www.nurserygrowers.org

Los Angeles Irrigated Lands Group

Los Angeles Irrigated Lands Group
1521 I Street
Sacramento, CA 95814

July 15, 2020

[redacted]

Dear Ms. Malta,

Thank you for being part of the Los Angeles Irrigated Lands Group (LAILG). As a member of the group, you are fulfilling your obligation to comply with the *Conditional Waiver of Waste Discharge Requirements for Discharges from Irrigated Agricultural Lands* (the Waiver).

Enclosed is your invoice for the 2020-21 Water Year. The LAILG Board of Directors is pleased to announce that site and acreage fees will remain the same as the last three years. It is important to note that by not raising the rates, the program will be run at a slight deficit this year, so paying your dues in a timely manner is imperative and helps keep costs down. Growers that are more than six months past due will be dropped from the group and reported to the Water Board which may result in legal action by the Water Board. We understand that this has been a challenging year for most, so if needed, LAILG offers a flexible payment plan to assist in the payment of your annual invoice.

As a member of the Los Angeles Irrigated Lands Group, you are also members of Plant California Alliance. At the onset of the statewide shutdown, Plant California Alliance fought hard for the nursery industry to be respected as an essential part of agriculture and more than ever before, a critical piece of the infrastructure that allows Californians to be Californians, while protecting themselves, their families and their communities. Now, several months in, members are operating under the new normal and have adapted to implementing safeguards to protect their employees and allow all types of customers to safely shop for plants and plant supplies, order online or by phone for delivery and to provide curbside pickup and additional customer services so that the people of California can shelter at home and maintain solid mental health.

As all signs point to COVID-19 affecting the agriculture industry, as well as global and national economies for months to come. Ag Association Management Services, Inc. (AAMSI) - LAILG and Plant California Alliance's management company - is keeping members informed of developments and providing your company with information and resources to help you weather the challenges that we will undoubtedly face for the foreseeable future.

As a reminder, in order to fully comply with the Waiver, you must pay your annual dues, complete all required paperwork and earn continuing education hours every year. Since it is unlikely that we will be able to host any in-person meeting this year, LAILG will be offering online educational opportunities once we receive approval from the Water Board.

LAILG's primary concern is to keep you and your nursery from being fined for non-compliance. I'm here to support you in this process and would be happy to schedule a phone call or visit to assist you with the requirements.

Together we will prevail!

Sincerely,

Ariana McCray
Program Manager
Los Angeles Irrigated Lands Group

Chris Zanobini
Executive Director
Plant California Alliance

LOS ANGELES IRRIGATED LANDS GROUP

LAILG Continuing Education Update

Dear Members,

As you know, one of the conditions of enrollment in the Conditional Waiver is to earn two hours of continuing education each Water Year. Since the current COVID-19 situation will not allow us to hold in-person meetings, we have created an online portal to meeting your educational needs. The first learning module is ready, so you can earn your first hour of continuing education for the 2020-21 Water Year. I hope to have a second module up in early December.

We will be using a platform called Thinkific. If you are receiving this email, an account has been set up with the same email address. Please click the button below to access the online portal. Your log-in will be the email address that received this newsletter and the password is [redacted]

Please note, you do not need to complete the module in one sitting. Your progress will be saved, but I would recommend trying to complete a chapter before stopping or logging off.

If you have any questions, please feel free to reply to this email or call Ariana McCray at 805-668-1876.

Click here for online portal!

Gmail

Ariana Zamora McCray <ariana@nurserygrowers.org>

LAILG January Update

1 message

Los Angeles Irrigated Lands Group <ariana@nurserygrowers.org> Tue, Jan 21, 2020 at 3:50 PM
Reply-To: Los Angeles Irrigated Lands Group <ariana@nurserygrowers.org>
To: ariana@nurserygrowers.org

Para español, haga clic aquí.

LOS ANGELES IRRIGATED LANDS GROUP

LAILG Continuing Education Opportunities

Earn your continuing education hours for the 2019-20 Water Year!

Thursday, January 30, 2020
Kellogg West Conference Center
3801 W. Temple Ave., Pomona, CA
2:30-5:00 p.m.

PARKING PERMIT REQUIRED PRIOR TO 5:00 PM
Please note that a parking permit is required to park in the Kellogg West parking lot prior to 5:00 pm. Please pick up your permit at the lobby of the conference center before you proceed to the parking lot.

Please note, this class is only offered in English. We will offer classes in Spanish later in the year.

To RSVP, reply to this email or click here to email Ariana McCray with the following information: Company name, number of attendees and their names.

PLANT CALIFORNIA ALLIANCE

Join us for the Plant California Alliance General Meeting after the LAILG Continuing Education Seminar.

Thursday, January 30, 2020
5:00 pm - Hosted Bar & Appetizers
6:00 pm - Dinner Program

$40 per person - Prepay with credit card or check by January 27
$50 - Cash or check at the door

Click here for more details and to RSVP!

2019-20 Invoicing & Compliance

Invoices for the 2019-20 water year have been sent out to all members. Please keep in mind, the timely payment of invoices helps keep costs down.

Along with continuing education hours, each nursery site needs to pay annual dues as well as fill out all required paperwork.

If you have questions regarding your invoice or compliance, please contact Ariana McCray at ariana@nurserygrowers.org or 805-668-1876.

Member Announcements

Have a job opening, item you'd like to sell or announcement for the nursery community? Email Ariana to get your ad posted in the next newsletter.

Oportunidades de Educación Continua de LAILG

¡Gane sus horas de educación continua para este año!

Jueves 30 de enero 2020
Centro de Conferencias Kellogg West
3801 W. Temple Ave., Pomona, CA
2:30-5:00 p.m.

SE REQUIERE PERMISO DE ESTACIONAMIENTO ANTES DE LAS 5:00 PM
Tenga en cuenta que se requiere un permiso de estacionamiento para estacionarse en Kellogg West antes de las 5:00. Favor de recoger su permiso en el vestíbulo del centro de conferencias antes de continuar hacia el estacionamiento.

Tenga en cuenta que esta clase solo se ofrece en inglés. Ofreceremos clases de español más adelante en el año.

Para confirmar su asistencia, responda a este correo electrónico o haga clic aquí **para enviar un correo electrónico a Ariana McCray con la siguiente información: nombre de la empresa, número de asistentes y sus nombres.**

PLANT CALIFORNIA ALLIANCE

Asista a la Reunión General de Plant California Alliance después del seminario de educación continua de LAILG.

Jueves 30 de enero de 2020
5:00 pm - Bar y aperitivos alojados
6:00 pm - Programa de cena

$ 40 por persona - Prepago con tarjeta de crédito o cheque antes del 27 de enero
$ 50 - Efectivo o cheque en la puerta

Haga clic aquí para más detalles y para confirmar su asistencia.

2019-20 facturas y cumplimiento

Se han enviado facturas para el año del agua 2019-20 a todo los miembros de LAILG. Tenga en cuenta que el pago oportuno de las facturas ayuda a mantener bajos los costos.

Junto con las horas de educación continua, cada sitio de guardería debe pagar las cuotas anuales, así como completar todos los documentos requeridos.

Si tiene preguntas sobre su factura o cumplimiento, comuníquese con Ariana McCray a ariana@nurserygrowers.org o al 805-668-1876.

Anuncios de Miembros

¿Tiene una oferta de trabajo, un artículo que le gustaría vender o un anuncio para la comunidad de viveros? Envíe un correo electrónico a Ariana para publicar su anuncio en el próximo boletín.

Our mailing address is:
1521 I St., Sacramento, CA 95814