

30 Green Street Newburyport, MA 01950 Phone 978.463.7700 Fax 978.463.7747

www.mtclawyers.com

January 25, 2017

By Hand

James McCarthy, Chair Planning Board City of Newburyport 60 Pleasant Street Newburyport, Massachusetts 01950

RE: 18 Boyd Drive / Water Quality Testing

Dear Mr. Chair and Members of the Planning Board;

Reference is made to the above captioned matter and the attached letter from Jay Billings of even date along with the test results from the City. Please note the wells tested were the wells located closest to the Applicant's property but located on City Property between the location of the proposed subdivision and Well No. 2. In the words of Doug Gove, P.E. of AECOM, the City's expert, on January 23, 2017, "Please note that the lab expanded the list of contaminants analyzed to around 250. Results for both wells were clean."

We look forward to discuss this with you on Wednesday.

Respectfully submitted Evergreen Commons LLC

By Its Attorney

cc: Board of Health



Water Supply and Environmental Consulting

January 25, 2017

Ms. Lisa Mead Blatman, Bobrowski, Mead and Talerman, LLC 30 Green Street Newburyport, MA 01950

Re:

Water Quality Testing Results

City of Newburyport Property and Evergreen Commons

Newburyport, MA

Dear Ms. Mead:

Northeast Geoscience, Inc. (NGI) has reviewed the results of laboratory testing of two groundwater samples collected by representatives of the City of Newburyport. Water samples were collected from observation wells B-4 and B-6 on the City of Newburyport Property adjacent to Well No. 2 and the Evergreen Valley Golf Course on December 21, 2016. The samples were submitted to Environmental Micro Analysis, Inc. of Woodland, CA for analysis for over 250 synthetic organic compounds which are herbicides, pesticides, fungicides and insecticides. The list includes products know to have been applied to Evergreen Valley Golf Course in 2014, 2015 and 2016. The list also includes 2,4-D and Dicamba, the two most widely used compounds in commercially available weed and feed products typically used in residential lawn care practices.

None of these compounds were detected in the water samples collected. It should also be noted that the laboratory achieved low detection limits (typically as low as 50 parts per trillion) for these compounds using a combination of gas chromatography, liquid chromatography and mass spectrometry methods. The results are consistent with the results of synthetic organic compound (SOC) testing of three groundwater samples from the golf course where no compounds were detected as reported in a letter from NGI to the Newburyport Planning Board dated October 11, 2016. This finding is also consistent with the results of SOC testing conducted by the City of Newburyport Well No. 2 in February and December 2015 where no compounds were detected.

Available results provide no evidence either turf management on the golf course or lawn care activities on existing lawns in the vicinity of Well No. 2 have resulted in detectable concentrations of these products in groundwater. This is not surprising when considering advances in the selection of turf and lawn care products that are designed to not be persistent or mobile in the environment. Please feel free to contact me with any questions.

Sincerely,

NORTHEAST GEOSCIENCE, INC.

Jay Billings Hydrogeologist Woodland, CA 95776

ELAP Certificate #2819

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Analytical Report

Allaly	icai neport	Analyte	Amount µg/L	RL µg/L
January 11, 201	7			
		Acephate	ND	0.15
		Acetamiprid	ND	0.15
		Acrinathrin	ND	0.05
		Adiisopropylnaphthalene, 2,6- (DIPN,	ND	0.05
		Alachlor	ND	0.05
Client: Robert Ker	anady	Aldrin	ND	0.05
	medy	Allethrin	ND	0.05
Aecom	· .	Ametryn	ND	0.05
250 Apollo		Aminocarb	ND	0.05
	d, MA 01824	Atrazine	ND	0.05
Phone: (978) 905-	2100	Azinphos-methyl	ND	0.05
Fax:		Azoxystrobin	ND	0.05
Email: robert.kenn	edy@aecom.com	Benalaxyl	ND	0.05
		Azoxystrobin	ND	0.05
		Bendiocarb	ND	0.05
		Benfluralin	ND	0.05
Project No:	Evergreen - Newburg Port	Benoxacor	ND	0.05
		BHC-alpha (Benzene	ND	0.05
PO No:	6033343.09	BHC-beta	ND	0.05
		BHC-delta	ND	0.05
		BHC-gamma (Lindane, gamma HCH)	ND	0.05
Client Sample ID	: B-4	Bifenox	ND	0.05
		Bifenthrin	ND	0.05
		Bioresmethrin (resmethrin-trans)	ND	0.05
		Bitertanol I	ND	0.05
Sample Date	: 12/21/2016	Bitertanol II	ND	0.05
		Boscalid	ND	0.05
EMA Sample No:	16122316-01	Bromacil	ND	0.15
Date Received	: 12/23/2016	Bromophos-ethyl	ND	0.05
Commis Matrix	1Mater	Bromophos-methyl	ND	0.05
Sample Matrix	Water	Bromopropylate	ND	0.05
		Bupirimate	ND	0.05
Analytical Method	: FDA Import GC/MS/MS	Buprofezin (z-isomer)	ND	0.05
		Butachlor	ND	0.05
Extraction Method	: EPA 3510	Butralin	ND	0.05
		Butylate	ND	0.15
Date Extracted	: 12/28/2016	Cadusafos	ND	0.05
		Captafol	ND	0.05
Date Completed	: 12/30/2016	Captan	ND	0.15
		Carbaryl	ND	0.05
Surrogate	1	Carbofuran	ND	0.05
			ND	0.05
Surrogate Level	•	Carbophenothion-ethyl Carbophenothion-methyl (methyl	ND	0.05
		~ ··· > ` 1	ND	0.05
% Recovery	:	Carbosulfan		
		Carboxin	ND	0.05
		Chlorbenzilate	ND	0.05
Comments:		Chlordane-alpha	ND	0.05 0.05
		Chlordane-oxy	ND	0.05
		Chlordane-trans (gamma)	ND ND	0.05
		Chlordimeform	ND	0.05
		Chlorienapyr	ND	0.05
		Chlorfenvinphos		
		Chlorobenzilate	ND	0.05
		Chloroneb	ND	0.05
		Chlorothalonil	ND	0.15
		Chlorpropham	ND	0.05
		Chlorpyrifos-ethyl	ND	0.05
		Chlorpyrifos-methyl	ND	0.05
R = Reported on another	Screen	Chlorthiophos	ND	0.05
ND = None Detected at th		Clomazone	ND	0.05
Tolerance data taken from	40 CFR § 180. Environmental Micro Analysis, Inc.	Coumaphos	ND	0.05
makes no claims as to the	accuracy of tolerance numbers.	Crotoxyphos	ND	0.05
analytical report. Special	its are stored for a minimum of 30 days from the date of storage arrangements possible.			
Results relate only to item	s tested,			
Samples are analyzed as				
Reports should not be rep Environmental Micro Anal	roduced, except in full, without written consent by			
To see the scope of our IS	50 17025 accreditation go to http://emalab.com/ISO17025.			
pdf	•			

Date: 01/11/17 Reviewed by: ______ Don Peterson, Laboratory Director

Page: 1 of 26

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Analytical Report

	Allalyti	icai neport		Amount	RL
Ja	nuary 11, 2017		<u>Analyte</u>	μα/L	<u>µg/L</u>
	,,		Cyanazine	ND	0.05
			Cyanofenphos	ND	0.05
			Cyanophos	ND	0.05
			Cycloate	ND	0.15
			Cycluron	ND	0.05
Client;	Robert Keni	andu	Cyfluthrin (Total)	ND	0.05
Onent.	Aecom	ledy	Cyhalothrin (lambda)	ND	0.05
		N.4	Cymiazole	ND	0.05
	250 Apollo I		Cypermethrin (Total)	ND	0.05
DL		, MA 01824	Cyproconazole	ND	0.05
Phone:	(978) 905-2	100	Cyprodinil	ND	0.05
Fax:			DCPA (dacthal, Chlorthal-dimethyl)	ND	0.05
Email:	robert.kenne	dy@aecom.com	DDD-o,p'	ND	0.15
			DDD-p,p'	ND	0.05
			DDE-o,p'	ND	0.05
	B! MI	F	DDE-p,p'	ND	0.05
	Project No:	Evergreen - Newburg Po	DDT-o,p'	ND	0.05
			DDT-p,p'	ND	0.15
	PO No:	6033343.09	DEF (Tribufos)	ND	0.05
			Deltamethrin	ND	0.05
			Demeton-s-methyl	ND	0.15
Clien	it Sample ID:	B-4	Desmedipham	ND	0.05
			Desmetryn	ND	0.05
			Diallate I	ND	0.15
			Diallate II	ND	0.05
S	ample Date:	12/21/2016	Diazinon	ND	0.05
FMA	Sample No:	16122316-01	Diazinon-oxon (diazoxon)	ND	0.05
	•		Dichlofenthion	ND	0.05
Da	te Received:	12/23/2016	Dichlofluanid	ND	0.15
Sai	mple Matrix:	Water	Dichlorobenzonitrile, 2,6- (Dichlobenil)	ND	0.15
			Dichlorvos	ND	0.15
Analyt	ical Method:	EDA Import CC/MS/MS	Dichloran (Dichloran)	ND	0.15
Allaiyt	icai Metilou.		Dicofol-o,p'	ND	0.05
Extract	tion Method:	EPA 3510	Dicofol-p,p' (Kelthane)	ND	0.05
			Dicrotofos (Dicrotophos)	ND	0.05
Date	e Extracted:	12/28/2016	Dieldrin	ND	0.05
			Diethofencarb	ND	0.05
Date	Completed:	12/30/2016	Difenoconazole I	ND	0.05
			Difenoconazole II	ND	0.05
	Surrogate:		Dimethachlor	ND	0.05
			Dimethoate	ND	0.05
Surre	ogate Level:		Dimethomorph I	ND	0.05
			Dimethomorph II	ND	0.05
•	% Recovery:		Diniconazole	ND	0.05
			Dinitramine	ND	0.15
			Dioxacarb	ND	0.15
Comments:			Dioxathion	ND	0.05
			Diphenamid	ND	0.05
			Diphenylamine	ND	0.05
			Disulfoton	ND	0.05
			Disulfoton Sulfone	ND	0.05

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website; www.emalab.com

RL

Amount

Analytical Report

January 11, 2017

Client: Robert Kennedy

Aecom

250 Apollo Drive

Chelmsford, MA 01824 (978) 905-2100

Fax:

Email: robert.kennedy@aecom.com

Project No: Evergreen - Newburg Port

PO No: 6033343.09

Client Sample ID: B-4

Sample Date: 12/21/2016 EMA Sample No: 16122316-01 Date Received: 12/23/2016

Sample Matrix: Water

Analytical Method: FDA Import GC/MS/MS

Extraction Method: EPA 3510

Date Extracted: 12/28/2016

Date Completed: 12/30/2016

Surrogate:

Surrogate Level:

% Recovery:

Comments:

Analyte	Amount µg/L	RL µq/L
Edifenphos	ND	0.05
Endosulfan I (alpha Isomer)	ND	0.05
Endosulfan II (beta Isomer)	ND	0.05
Endosulfan Sulfate	ND	0.05
Endrin	ND	0.05
Endrin Aldehyde	ND	0.15
EPN	ND	0.05
Epoxiconazole	ND	0.05
Esfenvalerate (Fenvalerate A-alpha)	ND	0.05
Etaconazole I	ND	0.05
Ethalfluralin (Sonalan)	ND	0.05
Ethiofencarb	ND ND	0.05
Ethiolate Ethion	ND	0.15
Ethofumesate	ND	0.05
Ethoprophos (Ethoprop)	ND	0.15
Ethoxyquin	ND	0.15
Etoxazole	ND	0.05
Etrimfos	ND	0.05
Famoxadone	ND	0.05
Famphur	ND	0.05
Fenamidone	ND	0.15
Fenamiphos (Phenamiphos)	ND	0.05
Fenamiphos Sulfone	ND	0.05
Fenarimol	ND	0.05
Fenazaquin	ND	0.05
Fenbuconazole	ND	0.05
Fenfuram	ND	0.05
Fenhexamid	ND	0.05
Fenitrothion	ND	0.05
Fenobucarb	ND	0.05
Fenoxycarb Fenpropathrin	ND ND	0.05
Fenpropimorph	ND	0.05
Fensulfothion	ND	0.05
Fenthion	ND	0.05
Fenvalerate II	ND	0.05
Fipronil	ND	0.05
Flonicamid	ND	0.05
Fluchloralin	ND	0.05
Flucythrinate I	ND	0.05
Flucythrinate II	ND	0.05
Fludioxonil	ND	0.15
Fluopicolide	ND	0.05
Fluquiniconazole	ND	0.05
Flurenol-butyl	ND	0.05
Fluridone	ND	0.05
Flusilazole	ND	0.05
Flutolanil	ND ND	0.05 0.05
Flutriafol Fluvalinate I	ND	0.05
Folpet	ND	0.05
Fonofos	ND	0.05
Fuberidazole	ND	0.15
Furalaxyl	ND	0.05
Heptaclor	ND	0.05
Heptachior exo-epoxide (Isomer B)	ND	0.05
Heptenophos	ND	0.05
Hexachlorobenzene	ND	0.15
Hexaconazole	ND	0.05
Hexythiazox	ND	0.15

Analytical Report

	Analyt	ical Report			
.le	nuary 11, 2017	•	<u>Analyte</u>	Amount µq/L	RL µg/L
ve	dary 11, 2017		lmazalil	ND	0.15
			Indoxacarb	ND	0.05
			Iprobenfos	ND	0.15
			Iprodione	ND	0.15
			Isocarbamid (Isocarbamide)	ND	0.05
Client:	Robert Ken	nedv	Isocarbophos	ND	0.05
	Aecom	,	Isodrin	ND	0.05
	250 Apollo	Drive	Isofenphos	ND	0.05
		, MA 01824	Isoprocarb	ND	0.05
Phone:	(978) 905-2		Isopropalin	ND	0.05
Fax:	(3/6) 303-2	.100	Isoprothiolane	ND	0.15
		10	Isoproturon	ND	0.15
Email:	robert.kenne	dy@aecom.com	Kresoxim-methyl	ND	0.05
			Lenacil	ND	0.05
			Leptophos	ND	0.05
	Project No:	Evergreen - Newburg Po	Linuron	ND	0.05
	,		walauxon (metabolite of walathion)	ND	0.05
	PO No:	6033343.09	Malathion	ND	0.05
	70 140.	0033343.03	Mecarbam	ND	0.05
			Mepanipyrim	ND	0.05
Clier	t Sample ID:	B-4	Mepronil Mateland	ND	0.05
			Metalaxyi Metaldehyde	ND ND	0.05
			Methidathion	ND	0.15 0.05
			Methiocarb	ND	0.05
S	ample Date:	12/21/2016	Methoprene	ND	0.05
	-		Methoprotryne	ND	0.05
		16122316-01	Methoxychlor, o,p'-	ND	0.05
Da	te Received:	12/23/2016	Methoxychlor, p,p'-	ND	0.05
Sa	mple Matrix:	Water	Metolachior	ND	0.05
			Metolcarb	ND	0.15
8 14		EDA Import CC/MC/MC	Metrafenone	ND	0.05
Anaiyi	icai wetnoo:	FDA Import GC/MS/MS	Metribuzin	ND	0.05
Extract	tion Method:	EPA 3510	Mevinphos	ND	0.15
			Mexacarbate	ND	0.05
Dat	e Extracted:	12/28/2016	MGK-264	ND	0.05
			Mirex	ND	0.05
Date	Completed:	12/30/2016	Molinate	ND	0.15
			Monocrotophos	ND	0.15
	Surrogate:		Monolinuron	ND	0.05
_			Myclobutanil	ND	0.05
Surre	ogate Level:		Naled Naphthaleneacetamide, 1-	ND	0.15
	/ Danassans		Napropamide	ND ND	0.05
	% Recovery:		Nicotine	ND ND	0.05
			Nitrofen	ND	0.15 0.05
Commenter			Nitrothal-isopropyl	ND	0.05
Comments:			Nonachlor, cis-	ND	0.05
			Nonachlor, Trans-	ND	0.05
			Nuarimol	ND	0.05
			Omethoate	ND	0.05
			Oxadiazon	ND	0.05
			Oxadixyl	ND	0.05
			Oxyflurofen	ND	0.15
			Paclobutrazole	ND	0.15
			Paraoxon-ethyl	ND	0.05
			Paraoxon-methyl	ND	0.05
			Parathion-ethyl	ND	0.05
R = Reporter	d on another Sc	reen	Parathion-methyl	ND	0.05
ND = None [Detected at the	Reporting Limit (RL)			

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
Tolerance data taken from 40 CFR § 180. Environmental Micro Analysis, Inc.
makes no claims as to the accuracy of tolerance numbers.
Excess sample and extracts are stored for a minimum of 30 days from the date of
analytical report. Special storage arrangements possible.
Results relate only to items tested.
Samples are analyzed as received.
Reports should not be reproduced, except in full, without written consent by
Environmental Micro Analysis, Inc.
To see the scope of our ISO 17025 accreditation go to http://emalab.com/ISO17025.pdf

__ Reviewed by: _____ Jonald_ a Pilous ____ Don Peterson, Laboratory Director

Woodland, CA 95776

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Anabda

Amount RL

Analytical Report

January 11, 2017

Client: Robert Kennedy

Aecom

250 Apollo Drive Chelmsford, MA 01824

Phone: (978) 905-2100

Fax:

Email: robert.kennedy@aecom.com

Project No: Evergreen - Newburg Port

PO No: 6033343.09

Client Sample ID: B-4

Sample Date: 12/21/2016 EMA Sample No: 16122316-01 Date Received: 12/23/2016 Sample Matrix: Water

Analytical Method: FDA Import GC/MS/MS

Extraction Method: EPA 3510 Date Extracted: 12/28/2016

Date Completed: 12/30/2016

Surrogate:

Surrogate Level:

% Recovery:

Comments:

Analyte	μg/L	μq/L
Penconazole	ND	0.05
Pendimethalin (Penoxaline)	ND	0.05
Pentachloroaniline	ND	0.05
Pentachloroanisole	ND	0.05
Pentachlorobenzonitrile	ND	0.05
Pentachlorothioanisole	ND	0.05
Peopiconazole	ND	0.05
Permethrin I	ND	0.05
Permethrin II (trans)	ND	0.05
Phenothrin I	ND	0.05
Phenothrin II	ND	0.05
Phenthoate	ND	0.05
Phenylphenol, 2-	ND	0.05
Phorate	ND .	0.05
Phorate sulfone	ND	0.05
Phorate sulfoxide	ND	0.05
Phosalone	ND	0.05
Phosmet	ND	0.05
Phosmet oxon	ND	0.15
Phosphamidon I	ND	0.05
Phosphamidon II	ND	0.05
Piperonyl Butoxide	ND	0.05
Pirimicarb	ND	0.05
Pirimiphos-ethyl	ND	0.05
Pirimiphos-methyl	ND	0.05
Prochloraz	ND	0.05
Procymidone	ND	0.05
Prodiamine	ND	0.15
Profenofos	ND	0.05
Profluralin	ND	0.05
Promecarb Prometon	ND ND	0.05 0.05
Prometryn	ND	0.05
Pronamide (Propyzamide)	ND	0.05
Propachlor	ND	0.05
Propanil	ND	0.05
Propargite	ND	0.05
Propetamphos	ND	0.05
Propham	ND	0.15
Propiconazole I	ND	0.05
Propiconazole II	ND	0.05
Propoxur	ND	0.05
Pyracarbolid	ND	0.05
Pyraclostrobin	ND	0.15
Pyrazophos	ND	0.05
Pyridaben	ND	0.05
Pyridaphenthion	ND	0.05
Pyrifenox I	ND	0.05
Pyrifenox II	ND	0.05
Pyrimethanil	ND	0.05
Pyriproxyfen	ND	0.05
Quinalphos	ND	0.05
Quinoxyfen	ND	0.05
Quintozene	ND	0.05
Resmethrin -cis (cismethrin)	ND	0.05
Ronnel (Fenchlorphos)	ND	0.05
Secbumeton	ND	0.05
Simazine	ND	0.05
Simetryn	ND	0.05

Environmental Micro Analysis, Inc. ISO 17025 accreditation 460 N East Street

Woodland, CA 95776

ELAP Certificate #2819

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Analytical Report

	Allaly	carrieport		Amount	RL
			Analyte	μα/L	μq/L
Jai	nuary 11, 2017		Spirodiclofen	ND	0.15
			Spiromesifen	ND	0.15
			Spiroxamine I	ND	0.05
			Spiroxamine II	ND	0.05
			Sulfotep	ND -	0.05
011	D-1	t	Sulprofos	ND	0.15
Client:	Robert Kenr	redy	Tebuconazole	ND	0.05
	Aecom		Tebufenpyrad	ND	0.05
	250 Apollo I		Tebupirimfos	ND	0.05
	Chelmsford	•	Tebutam	ND	0.05
Phone:	(978) 905-2	100	Tebuthiuron	ND	0.05
Fax:			Tecnazene (TCNB)	ND	0.05
Email:	robert.kenne	dy@aecom.com	Tefluthrin, cis-	ND	0.05
			Terbacil	ND	0.05
			Terbufos	ND	0.05
	Destar Mar	5	Terburneton	ND	0.15
	Project No:	Evergreen - Newburg Port	Terbuthylazine	ND	0.15
			Tetrachloraniline, 2,3,5,6-	ND	0.05
	PO No:	6033343.09	Tetrachlorvinphos, e-isomer	ND	0.05
			Tetraconazole	ND	0.05
~		n.4	Tetradifon	ND	0.05
Clien	t Sample ID:	8-4	Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.05
			Tetrahydrophthalimide, cis-Delta 4-	ND	0.15
		•	Tetramethrin I	ND	0.05
_			Tetramethrin II	ND	0.05
S	ample Date:	12/21/2016	Thiabendazole	ND	0.15
EMA	Sample No:	16122316-01	Thiamethoxam	ND ND	0.05 0.15
Das	te Received:	12/23/2016	Thionazin	ND	0.15
			Tolclofos-methyl Tolylfluanid	ND	0.05
Sa	mple Matrix:	Water	Triadimefon	ND	0.05
			Triadimenol	ND	0.05
Analyt	ical Method:	FDA Import GC/MS/MS	Triazophos	ND	0.05
•			Tricyclazole	ND	0.15
Extract	tion Method:	EPA 3510	Trifloxystrobin	ND	0.05
		40/00/0045	Triflunizole	ND	0.05
Dat	e Extracted:	12/28/2016	Trifluralin	ND	0.05
Date	Completed:	12/30/2016	Trimethacarb, 2,3,5-	ND	0.05
Date	completed.	12/30/2016	Trimethacarb, 3,4,5-	ND	0.05
	Surrogate:		Trimidal (Nuarimol)	ND	0.05
	Surrogate:		Triticonazole	ND	0.05
Surr	ogate Level:		Vernolate	ND	0.15
-2	-3		Vinclozolin	ND	0.05
•	% Recovery:				

Comments:

Environmental Micro Analysis, Inc. ISO 17025 accreditation

460 N East Street Woodland, CA 95776 ELAP Certificate #2819

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Cyproconazole (isomer)

Cyprodinil

Cyromazine

Analytical Report

	Analyt	ical Report			
1-	•	•	Analyte	Amount µg/L	RL VQ/L
Ja	nuary 11, 2017		3-Hydroxycarbofuran	ND	0.05
			Acephate	ND	0.05
			Acetamiprid	ND	0.05
			Acetochlor	ND	0.05
			Acibenzolar-S-methyl	ND	0.05
			Alanycarb	ND	0.05
Client:	Robert Ken	nedy	Aldicarb-sulfone	ND	0.05
	Aecom		Aldicarb-sulfoxide	ND	0.05
	250 Apollo I		Ametryn	ND	0.05
	Chelmsford	, MA 01824	Amicarbazone	ND	0.05
Phone:	(978) 905-2	100	Aminocarb	ND	0.05
Fax:			Aspon	ND	0.05
Email:	robert.kenne	dy@aecom.com	Atrazine	ND	0.05
			Avermectin Ba	ND	0.05
			Azinphos-methyl	ND	0.05
			Azoxystrobin	ND	0.05
	Project No:	Evergreen - Newburg Port	Benalaxyl	ND	0.05
			Bendiocarb	ND	0.05
	PO No:	6033343.09	Benfuracarb	ND	0.05
			Bensulide	ND	0.05
Clien	+ Comple ID:	B4	Benzoximate	ND	0.05
Ciler	it Sample ID:	B-4	Bifenazate	ND	0.05
			Bitertanol	ND	0.05
			Boscalid	ND	0.05
_			Bromuconazole (isomer)	ND	0.05
S	ample Date:	12/21/2016	Bupirimate	ND	0.05
EMA	Sample No:	16122316-01	Buprofezin	ND	0.05
Date Received: 12/23/2016		12/23/2016	Butafenacil	ND	0.05
υa	te keceiveo:	12/23/2016	Butocarboxim	ND	0.05
Sa	mple Matrix:	Water	Carbaryl	ND	0.05
			Carbendazim Carbetamide	ND ND	0.05 0.05
Analy	tical Method:	FDA Import LC/MS/MS	Carbofuran	ND	0.05
. ,			Carbosulfan	ND ND	0.05
Extrac	tion Method:	EPA 3510	Carboxine	ND	0.05
		4.000.004.0	Carfentrazone-ethyl	ND	0.05
Dat	e Extracted:	12/28/2016	Chlorantraniliprole	ND	0.05
D-4-	Camalasada	40/00/0040	Chlordimeform	ND	0.05
Date	Completed:	12/30/2016	Chlorfenvinphos	ND	0.05
			Chlorfluazuron	ND	0.05
	Surrogate:		Chloroxuron	ND	0.05
Surr	ogate Level:		Chlorpyrifos	ND	0.05
Cuit	ogute Level.		Chlorpyrifos-methyl	ND	0.05
,	% Recovery:		Chlortoluron	ND	0.05
	70 11000 TOLY.		Clethodim	ND	0.05
			Clofentezine	ND	0.05
Comments	:		Clothlanidin	ND	0.05
	•		Coumaphos	ND	0.05
			Cumyluron	ND	0.05
			Cyanazine	ND	0.05
			Cyazofamid	ND	0.05
			Cycluron	ND	0.05
			Cyflufenamid	ND	0.05
			Cyhexatin	ND	0.05
			Cymoxanil	ND	0.05

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
Tolerance data taken from 40 CFR § 180. Environmental Micro Analysis, Inc.
makes no claims as to the accuracy of tolerance numbers.
Excess sample and extracts are stored for a minimum of 30 days from the date of
analytical report. Special storage arrangements possible.
Results relate only to items tested.
Samples are analyzed as received.
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Date: 01/11/17 Reviewed by: _	Jonald a. Peterso	Don Peterson, Laboratory Director
-------------------------------	-------------------	-----------------------------------

ND

ND

ND

0.05

0.05

0.05

Analytical Report

.la	inuary 11, 2017	,	Analyte	Amount μq/L	<u>RL</u> <u>µ</u> g/L
-			Daimuron	ND	0.05
			Diafenthiuron	ND	0.05
			Diazinon	ND	0.05
			Dichlorvos	ND	0.05
			Diclobutrazol	ND	0.05
			Dicrotophos	ND	0.05
Client:	Robert Ken	nedy	Diethofencarb	ND	0.05
	Aecom		Difenoconazole	ND	0.05
	250 Apollo	Drive	Diflubenzuron	ND	0.05
	Chelmsford	I, MA 01824	Dimethenamide	ND	0.05
Phone:	(978) 905-2	2100	Dimethoate	ND	0.05
Fax:			Dimethomorph	ND	0.05
Email:	robert.kenne	dy@aecom.com	Dimoxystrobin	ND	0.05
			Diniconazole	ND	0.05
			Dioxacarb	ND	0.05
			Diuron	ND	0.05
	Project No:	Evergreen - Newburg Port	DMST	ND	0.05
			DNOC	ND	0.05
	PO No:	6033343.09	Dodine	ND	0.05
			Doramectin	ND	0.05
			Emamectin Ba	ND	0.05
Clier	nt Sample ID:	B-4	Epoxiconazole	ND	0.05
			Eprinomectin	ND	0.05
			Esprocarb	ND	0.05
			Ethidimuron	ND	0.05
S	ample Date:	12/21/2016	Ethiofencarb	ND	0.05
	•		Ethiofencarb-sulfoxide	ND	0.05
EMA	Sample No:	16122316-01	Ethion	ND	0.05
Da	te Received:	12/23/2016	Ethiprole	ND	0.05
Sa	mple Matrix:	Water	Ethirimol	ND	0.05
		·	Ethofumesate	ND	0.05
		EDA Import I CARCARC	Ethoprop	ND	0.05
Analy	tical Method:	FDA Import LC/MS/MS	Etobenzanid	ND	0.05
Evtrac	tion Method:	FPA 3510	Etoxazole	ND	0.05
EXIIAC	don wediou.		Famoxadone	ND	0.05
Dat	e Extracted:	12/28/2016	Fenamidone	ND	0.05
			Fenarimol	ND	0.05
Date	Completed:	12/30/2016	Fenazaquin	ND	0.05
	-	·	Fenbuconazole	ND	0.05
	Surrogate:		Fenbutatin Oxide	ND	0.05
	3		Fenhexamid	ND	0.05
Surr	ogate Level:		Fenobucarb	ND	0.05
	_		Fenoxycarb	ND	0.05
•	% Recovery:		Fenpropimorph	ND	0.05
	-		Fenpyroximate	ND	0.05
			Fenuron	ND	0.05
Comments:	i		Flonicamid	ND	0.05
	•		Fluazifop-butyl	ND	0.05
			Flubendiamide	ND	0.05
			Fludioxinil	ND	0.05
		,	Flufenacet	ND	0.05
			Flufenoxuron	ND	0.05
			Fluometuron	ND	0.05
			Fluopicolide	ND	0.05
			Fluoxastrobin	ND	0.05
			Fluquinconazole	ND	0.05
			Flusilazole	ND	0.05
			Flutolanil Flutriafol	ND	0.05
	d on another So			ND ND	0.05
ND = None	Detected at the	Reporting Limit (RL)	Foresafen	ND ND	0.05
makes no cl	ata taken from 4 aims as to the =	40 CFR § 180. Environmental Micro Analysis, Inc.	Formstonete	ND ND	0.05
Excess sam	ple and extracts	are stored for a minimum of 30 days from the date of	Formetanate	ND	0.05
analytical re	port. Special st	orage arrangements possible.	Fuberidazole	ND	0.05
Hesuits relat	te only to items analyzed as re	tested.	Furalaxyl	ND	0.05
		iduced, except in full, without written consent by			
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F					

Date: _	01/11/17	Reviewed by:	Jonald	a. Petaro	Don Peterson, Laboratory Dir	ecto
Date: _	01/11/17	Reviewed by:	Jonald	a. Peters	Don Peterson,	Laboratory Dir

Woodland, CA 95776

ELAP Certificate #2819

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Analytical Report

	Allalyt	icai neport	Analyte	Amount	RL µg/L
Ja	nuary 11, 2017		Allalyte	<u>μ</u> g/L	<u>p</u> ur
	•		Halofenozide	ND	0.05
			Hexaflumuron	ND	0.05
			Hexazinone	ND	0.05
			Hexythiazox	ND	0.05
			Hydramethylnon	ND	0.05
Client:	Robert Keni	nedv	Imazalil	ND	0.05
	Aecom		Imazapyr	ND	0.05
	250 Apollo I	Drive	Imazethapyr	ND	0.05
	•		Imibenconazole	ND	0.05
Dhana		, MA 01824	Imidacloprid	ND	0.05
Phone:	(978) 905-2	100	Indoxacarb	ND	0.05
Fax:			Ipconazole	ND	0.05
Email:	robert.kenne	dy@aecom.com	Iprovalicarb	ND	0.05
			Isocarbamid	ND	0.05
			Isofenphos	ND	0.05
	Decinet No.	Cuaranan Nauhum Bar	Isoprocarb	ND	0.05
	Project No:	Evergreen - Newburg Por	Isoprothiolane	ND	0.05
			Isoproturon	ND	0.05
	PO No:	6033343.09	lvermectin	ND	0.05
			Kresoxim-methyl	ND	0.05
		- 4	Lactofen	ND	0.05
Clien	it Sample ID:	B-4	Linuron	ND	0.05
			Malathion	ND	0.05
			Mandipropamid	ND	0.05
			Mefenacet	ND	0.05
S	iample Date:	12/21/2016	Mepanipyrim	ND	0.05
EMA	Sample No:	16122316-01	Mepronil	ND	0.05
			Metaflumizone	ND	0.05
Da	te Received:	12/23/2016	Metalaxyi	ND	0.05
Sa	mple Matrix:	Water	Metconazole	ND	0.05
0.0	mpro macrima		Methamidophos	ND	0.05
		EDA Import I C/MC/MC	Methfuroxam	ND	0.05
Analy	tical Method:	FDA Import LC/MS/MS	Methidathlon	ND	0.05
Eutuan	tion Method:	EPA 3510	Methiocarb	ND	0.05
EXITAC	tion wethou:	2. 4 00.10	Methomyl	ND	0.05
Dat	e Extracted:	12/28/2016	Methoprotryne	ND	0.05
Vac	c Extracted.		Methoxyfenozide	ND	0.05
Date	Completed:	12/30/2016	Metobromuron	ND	0.05
			Metolachior	ND	0.05
	Surrogate:		Metoxuron	ND	0.05
	ourrogato.		Metrafenone	ND	0.05
Surr	ogate Level:		Metribuzin	ND	0.05
	- 3 -11-11-11-1		Metsulfuron-methyl	ND	0.05
	% Recovery:		Mevinphos	ND	0.05
	,.		Mexacarbate	ND	0.05
			Molinate	ND	0.05
Comments:	:		Monocrotophos	ND	0.05
	•		Monolinuron	ND	0.05
			. Moxidectin	ND	0.05
			Myclobutanil	ND	0.05
			Napropamide	ND	0.05
			Neburon	ND	0.05
			Nitenpyram	ND	0.05
			Novaluron	ND	0.05
			Omethoate	ND	0.05
			Oxamyl	ND	0.05
			Oxadixyl	ND	0.05

Date:(01/11/17	Reviewed by:	Sousil	a. Peters	Don Peterson, Laboratory Directo
	·			** 04	Don' i sterson, Laboratory Direct

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Analytical Report

	Analyt	ical Report			D.
	•	•	Analyte	Amount µg/L	RL µg/L
Ja	nuary 11, 2017		_		
			Pencycuron Pendimethalin	ND ND	0.05 0.05
			Phorate	ND	0.05
			Phosmet	ND	0.05
			Phoxim	ND	0.05
Climate	D-1	4.	Picoxystrobin	ND	0.05
Client:	Robert Ken	nedy	Piperonyl butoxide	ND	0.05
	Aecom		Pirimicarb	ND	0.05
	250 Apollo I		Pirimiphos-methyl	ND	0.05
m.		, MA 01824	Prochloraz	ND	0.05
Phone:	(978) 905-2	100	Promecarb	ND	0.05
Fax:			Prometon	ND	0.05
Email:	robert.kenne	dy@aecom.com	Prometryn	ND	0.05
			Propachlor	ND	0.05
			Propamocarb	ND	0.05
	Project No:	Evergreen - Newburg Port	Propargite	ND	0.05
	110,0001110.	Evergices in remaining to the	Propazine	ND	0.05
	PO No:	6033343.09	Propham	ND ND	0.05 0.05
	FO NO.	0033343.03	Propiconazole Propoxur	ND	0.05
			Propyzamide	ND	0.05
Clier	nt Sample ID:	B-4	Pymetrozin	ND	0.05
	•		Pyracarbolid	ND	0.05
			Pyraclostrobin	ND	0.05
			Pyridaben	ND	0.05
S	Sample Date:	12/21/2016	Pyridaphenthion	ND	0.05
FMA	Sample Nor	16122316-01	Pyrimethanil	ND	0.05
	•		Pyriproxyfen	ND	0.05
υa	te Received:	12/23/2016	Quinoxyfen	ND	0.05
Sa	mple Matrix:	Water	Sebuthylazine	ND	0.05
			Secbumeton Sethografim	ND ND	0.05 0.05
Analy	tical Method:	FDA Import LC/MS/MS	Sethoxydim Siduron	ND	0.05
,			Simazine	ND	0.05
Extrac	tion Method:	EPA 3510	Simetryn	ND	0.05
	.	10/00/0010	Spinetoram-J +L	ND	0.05
Dat	e Extracted:	12/28/2016	Spinosad	ND	0.05
Doto	Completed	12/20/2016	Spirodiclofen	ND	0.05
Date	: Completed:	12/30/2016	Spiromecifen	ND	0.05
	Surrogate:		Spirotetramat	ND	0.05
	ourrogate.		Spiroxamine	ND	0.05
Surr	ogate Level:		Sulfentrazone	ND	0.05
			Tebuconazole	ND	0.05
,	% Recovery:		Tebufenozide	ND	0.05
			Tebufenpyrad	ND	0.05
			Tebuthiuron	ND	0.05
Comments:	i		Temephos	ND	0.05
			Tepraloxydim	ND	0.05
			Terbumeton Terbutryn	ND ND	0.05 0.05
			Tetraconazole	ND ND	0.05
			Thiabendazole	ND	0.05
			Thiacloprid	ND	0.05
			Thiamethoxam	ND	0.05
			Thidiazuron	ND	0.05
			Thiobencarb	ND	0.05
			Thiofanox	ND	0.05
			Thiophanate-methyl (Carbendazim)	ND	0.05
R = Reports	ed on another So	reen.	Triadimefon	ND	0.05
ND = None	Detected at the	Reporting Limit (RL)	Triadimenol	ND	0.05
Tolerance d	ata taken from 4	10 CFR § 180. Environmental Micro Analysis, Inc.	Triazophos	ND	0.05
Excess sam	name as to the a	accuracy of tolerance numbers. are stored for a minimum of 30 days from the date of	Tricyclazole	ND	0.05
analytical re Results rela		orage arrangements possible. tested.	Tridemorph	ND	0.05
Reports sho	uld not be repro	duced, except in full, without written consent by			
	tal Micro Analys	is, Inc. 17025 accreditation go to http://emalab.com/iSO17025.			
pdf		111 130 contains go to mips emaiables mico 17025.			

Joursh a Thomas ___ Don Peterson, Laboratory Director _ Reviewed by: ____

Page: 10 of 26

Environmental Micro Analysis, Inc. ISO 17025 accreditation

460 N East Street Woodland, CA 95776 ELAP Certificate #2819

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Analyte

Analytical Report

January 11, 2017

Client: Robert Kennedy

Aecom

250 Apollo Drive

Chelmsford, MA 01824

Phone: (978) 905-2100

Fax:

Email: robert.kennedy@aecom.com

Project No: Evergreen - Newburg Port

PO No: 6033343.09

Client Sample ID: B-4

Sample Date: 12/21/2016 EMA Sample No: 16122316-01 Date Received: 12/23/2016

Sample Matrix: Water

Analytical Method: FDA Import LC/MS/MS

Extraction Method: EPA 3510

Date Extracted: 12/28/2016

Date Completed: 12/30/2016

Surrogate:

Surrogate Level:

% Recovery:

Comments:

0.05 ND Trifloxystrobin 0.05 Triflumizole ND Triflumuron ND 0.05 Triflusulfuron-methyl ND 0.05 Triphenyl Phosphate ND 0.05 Triticonazole ND 0.05 0.05 Uniconazole ND 0.05 Vamidothion 0.05 Zoxamide

<u>RL</u> μg/L

μq/L

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Analytical Report

	Analytical nepolit		Amount	RI
Ja	nuary 11, 2017	<u>Analyte</u>	µq/L	RL Va/L
	, , ,	Ferbam	ND	30
		Maneb (Dithane M-22)	ND	30
		Mancozeb	ND	30
		Metiram	ND	30
		Nabam	ND	30
Client:	Robert Kennedy	Thiram	ND	30
0.10.11.	Aecom	Zineb	ND	30
	250 Apollo Drive	Ziram	ND	30

Email: robert.kennedy@aecom.com

Chelmsford, MA 01824

Project No: Evergreen - Newburg Port

PO No: 6033343.09

Client Sample ID: B-4

Phone: (978) 905-2100

Sample Date: 12/21/2016 EMA Sample No: 16122316-01 Date Received: 12/23/2016 Sample Matrix: Water

Analytical Method: EBDC Screen

Extraction Method: CDFA

Date Extracted: 12/28/2016 Date Completed: 12/29/2016

Surrogate:

Surrogate Level:

% Recovery:

Comments:

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
Tolerance data taken from 40 CFR § 180. Environmental Micro Analysis, Inc.
makes no claims as to the accuracy of tolerance numbers.
Excess sample and extracts are stored for a minimum of 30 days from the date of
analytical report. Special storage arrangements possible.
Results relate only to items tested.
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Date: 01/11/17 Reviewed by: ______ Donell a Titous _____ Don Peterson, Laboratory Director

Page: 12 of 26

Environmental Micro Analysis, Inc. ISO 17025 accreditation 460 N East Street

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Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Analytical Report

	•	Analyte	<u> μg/L</u>	<u>μα/L</u>
Ja	nuary 11, 2017			
	•	2, 4 - D	ND	0.25
		2, 4 -DB	ND	0.25
		2, 4, 5 - T	ND	0.13
		2, 4, 5 -TP	ND	0.13
		Dicamba	ND	0.13
		Dichloroprop	ND	0.13
Client:	Robert Kennedy	Dinoseb	ND	0.13
	Aecom	Bentazon	ND	0.25
	250 Apollo Drive	MCPA	ND	0.25
	Chelmsford, MA 01824	MCPP	ND	0.25
Phone:	(978) 905-2100	Triclopyr	ND	0.25
Fay:				

Project No: Evergreen - Newburg Port

PO No: 6033343.09

Client Sample ID: B-4

Email: robert.kennedy@aecom.com

Sample Date: 12/21/2016 EMA Sample No: 16122316-01 Date Received: 12/23/2016 Sample Matrix: Water

Analytical Method: EPA 8151A (w) Extraction Method: EPA 8151A Date Extracted: 12/28/2016

Date Completed: 12/30/2016

Surrogate:

Surrogate Level:

% Recovery:

Comments:

Date: _	01/11/17	Reviewed by:	Toucld	a. Peleras	Don Peterson,	Laboratory	Director
---------	----------	--------------	--------	------------	---------------	------------	----------

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Analytical Report

•	Anaryu	cai neport	Analyte	Amount	RL µg/L
Janua	ary 11, 2017				0.15
			Acephate	ND	0.15
			Acetamiprid Acrinathrin	ND ND	0.15 0.05
			Adiisopropylnaphthalene, 2,6- (DIPN,	ND	0.05
			Alachlor	ND	0.05
			Aldrin	ND	0.05
Client: R	Robert Kenr	nedy	Allethrin	ND	0.05
Д	lecom		Ametryn	ND	0.05
2	50 Apollo I	Orive	Aminocarb	ND	0.05
	Chelmsford	, MA 01824	Atrazine	ND	0.05
Phone: (978) 905-2	100	Azinphos-methyl	ND	0.05
Fax:			Azoxystrobin	ND	0.05
Email: n	obert.kenne	dy@aecom.com	Benalaxyl	ND	0.05
			Azoxystrobin	ND	0.05
			Bendiocarb	ND	0.05
D+	oject No:	Evergreen - Newburg Port	Benfluralin	ND	0.05
* 1	oject No.	Livergreen - Newburg Fort	Benoxacor	ND	0.05
	DO No.	C033343 00	BHC-alpha (Benzene	ND ND	0.05
	PO No:	6033343.09	BHC-beta BHC-delta	ND ND	0.05 0.05
			BHC-gamma (Lindane, gamma HCH)	ND	0.05
Client S	Sample ID:	B-6	Bifenox	ND	0.05
			Bifenthrin	ND	0.05
			Bioresmethrin (resmethrin-trans)	ND	0.05
			Bitertanol I	ND	0.05
San	nple Date:	12/21/2016	Bitertanol II	ND	0.05
FMA S	ample No:	16122316-02	Boscalid	ND	0.05
	•	12/23/2016	Bromacil	ND	0.15
Date	Received:	12/23/2016	Bromophos-ethyl	ND ND	0.05 0.05
Samp	ole Matrix:	Water	Bromophos-methyl Bromopropylate	ND	0.05
			Bupirimate	ND	0.05
Analytica	al Method:	FDA Import GC/MS/MS	Buprofezin (z-isomer)	ND	0.05
•			Butachlor	ND	0.05
Extractio	n Method:	EPA 3510	Butralin	ND	0.05
Date (Extracted:	12/28/2016	Butylate	ND	0.15
Date	LALIBULGU.	12232010	Cadusafos	ND	0.05
Date Co	ompleted:	12/30/2016	Captafol	ND	0.05
			Captan	ND	0.15
S	Surrogate:		Carbaryl	ND	0.05
_			Carbofuran Carbophenothion-ethyl	ND ND	0.05 0.05
Surrog	ate Level:		Carbophenothion-methyl (methyl	ND	0.05
9/ 1	D		Carbosulfan	ND	0.15
76 1	Recovery:		Carboxin	ND	0.05
			Chlorbenzilate	ND	0.05
Comments:			Chlordane-alpha	ND	0.05
<u>gonnellanes</u>			Chlordane-oxy	ND	0.05
			Chlordane-trans (gamma)	ND	0.05
			Chlordimeform	ND -	0.05
			Chlorfenapyr	ND	0.05
			Chlorehamilleta	ND	0.05
			Chlorobenzilate Chloroneb	ND ND	0.05 0.05
			Chlorothalonil	ND	0.15
			Chlorpropham	ND	0.05
			Chlorpyrifos-ethyl	ND	0.05
			Chlorpyrifos-methyl	ND	0.05
			Chlorthiophos	ND	0.05
R = Reported o		reen Reporting Limit (RL)	Clomazone	ND	0.05
Tolerance data	a taken from 4	0 CFR § 180. Environmental Micro Analysis, Inc.	Coumaphos	ND	0.05
makes no clain Excess sample	ns as to the a and extracts	ccuracy of tolerance numbers. are stored for a minimum of 30 days from the date of	Crotoxyphos	ND	0.05

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Analytical Report

Analytical Report		Amount	RL
	Analyte	μq/L	μq/L
January 11, 2017			
	Cyanazine	ND	0.05
	Cyanofenphos	ND	0.05
	Cyanophos	ND	0.05
	Cycloate	ND	0.15
	Cycluron	ND	0.05
Client: Robert Kennedy	Cyfluthrin (Total)	ND	0.05
Aecom	Cyhalothrin (lambda)	ND	0.05
	Cymiazole	ND	0.05
250 Apollo Drive	Cypermethrin (Total)	ND	0.05
Chelmsford , MA 01824	Cyproconazole	ND	0.05
Phone: (978) 905-2100	Cyprodinil	ND	0.05
Fax:	DCPA (dacthal, Chlorthal-dimethyl)	ND	0.05
Email: robert.kennedy@aecom.com	DDD-o,p'	ND	0.15
	DDD-p,p'	ND	0.05
	DDE-o,p'	ND	0.05
m t vit m m Nowh Doct	DDE-p,p'	ND	0.05
Project No: Evergreen - Newburg Port	DDT-o,p'	ND	0.05
	DDT-p,p'	ND	0.15
PO No: 6033343.09	DEF (Tribufos)	ND	0.05
	Deltamethrin	ND	0.05
	Demeton-s-methyl	ND	0.15
Client Sample ID: B-6	Desmedipham	ND	0.05
	Desmetryn	ND	0.05
	Diallate I	ND	0.15
	Diallate II	ND	0.05
Sample Date: 12/21/2016	Diazinon	ND	0.05
EMA Sample No: 16122316-02	Diazinon-oxon (diazoxon)	ND	0.05
	Dichlofenthion	ND	0.05
Date Received: 12/23/2016	Dichlofluanid	ND	0.15
Sample Matrix: Water	Dichlorobenzonitrile, 2,6- (Dichlobenil)	ND	0.15
,	Dichlorvos	ND	0.15
Analytical Method: FDA Import GC/MS/MS	Dichloran (Dichloran)	ND ND	0.15 0.05
Analytical Method.	Dicofol-o,p'	ND	0.05
Extraction Method: EPA 3510	Dicofol-p.p' (Kelthane)	ND	0.05
	Dicrotofos (Dicrotophos) Dieldrin	ND	0.05
Date Extracted: 12/28/2016	Diethofencarb	ND	0.05
-	Difenoconazole I	ND	0.05
Date Completed: 12/30/2016	Difenoconazole II	ND	0.05
	·	ND	0.05
Surrogate:	Dimethachlor	ND	0.05
•	Dimethoate	ND	0.05
Surrogate Level:	Dimethomorph I		
	Dimethomorph II	ND	0.05
% Recovery:	Diniconazole	ND	0.05
•	Dinitramine	ND	0.15
	Dioxacarb	ND	0.15
Comments:	Dioxathion	ND	0.05
	Diphenamid	ND	0.05
	Diphenylamine	ND ND	0.05 0.05
	Disulfoton	ND	0.05
	Disulfoton Sulfone .	NU	0.03

Date:01	1/11/17	Reviewed by:	Jonald_	a. Peterso	Don Peterson,	Laboratory	Director
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Woodland, CA 95776

ELAP Certificate #2819

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Ana	lytical	Report
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Analytical Report			
	<u>Analyte</u>	Amount <u>µg/L</u>	RL µg/L
January 11, 2017	Edifenphos	ND	0.05
	Endosulfan I (alpha Isomer)	ND	0.05
	Endosulfan II (beta Isomer)	ND	0.05
	Endosulfan Sulfate	ND	0.05
	Endrin	ND	0.05
Client: Robert Kennedy	Endrin Aldehyde	ND	0.15
Aecom	EPN	ND	0.05
250 Apollo Drive	Epoxiconazole	ND	0.05
Chelmsford , MA 01824	Esfenvalerate (Fenvalerate A-alpha)	ND ND	0.05 0.05
Phone: (978) 905-2100	Etaconazole I Ethalfluralin (Sonalan)	ND	0.05
Fax:	Ethiofencarb	ND	0.05
	Ethiolate	ND	0.15
Email: robert.kennedy@aecom.com	Ethion	ND	0.05
	Ethofumesate	ND	0.05
	Ethoprophos (Ethoprop)	ND	0.15
Project No: Evergreen - Newburg Port	Ethoxyquin	ND	0.15
	Etoxazole	ND	0.05
PO No: 6033343.09	Etrimfos	ND	0.05
	Famoxadone	ND	0.05
	Famphur	ND	0.05
Client Sample ID: B-6	Fenamidone	ND	0.15
	Fenamiphos (Phenamiphos)	ND	0.05
	Fenamiphos Sulfone	ND ND	0.05
CI- D-+ 12/21/2016	Fenarimol Fenazaquin	ND	0.05 0.05
Sample Date: 12/21/2016	Fenbuconazole	ND	0.05
EMA Sample No: 16122316-02	Fenfuram	ND	0.05
Date Received: 12/23/2016	Fenhexamid	ND	0.05
	Fenitrothion	ND	0.05
Sample Matrix: Water	Fenobucarb	ND	0.05
	Fenoxycarb	ND	0.05
Analytical Method: FDA Import GC/MS/MS	Fenpropathrin	ND	0.05
Extraction Method: EPA 3510	Fenpropimorph	ND	0.05
Extraction Method: EPA 3510	Fensulfothion	ND	0.05
Date Extracted: 12/28/2016	Fenthion	ND	0.05
Duto Entracted	Fenvalerate II	ND	0.05
Date Completed: 12/30/2016	Fipronil	ND	0.05
•	Flonicamid	ND	0.05
Surrogate:	Fluchloralin	ND	0.05
	Flucythrinate I	ND ND	0.05 0.05
Surrogate Level:	Flucythrinate II Fludioxonil	ND	0.05
	Fluopicolide	ND	0.05
% Recovery:	Fluquiniconazole	ND	0.05
	Flurenol-butyl	ND	0.05
C	Fluridone	ND	0.05
Comments:	Flusilazole	ND	0.05
	Flutolanil	ND	0.05
	Flutriafol	ND	0.05
	Fluvalinate I	ND	0.05
	Folpet	ND	0.05
	Fonofos	ND	0.05
	Fuberidazole	ND	0.15
	Furalaxyl	ND	0.05
	Heptaclor Heptaclor exceptivide (Isomer R)	ND ND	0.05 0.05
	Heptachlor exo-epoxide (Isomer B) Heptenophos	ND	0.05
	Hexachlorobenzene	ND	0.05
R = Reported on another Screen	Hexaconazole	ND	0.05
ND = None Detected at the Reporting Limit (RL) Tolerance data taken from 40 CFR § 180. Environmental Micro		ND	0.15
makes no claims as to the accuracy of tolerance numbers.	, and the second		
Excess sample and extracts are stored for a minimum of 30 day	s from the date of		
analytical report. Special storage arrangements possible. Results relate only to items tested.	•		
Samples are analyzed as received.			
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pdf			

___ Reviewed by: _____ JonalL a. Pilous _____ Don Peterson, Laboratory Director

Page: 16 of 26

Woodland, CA 95776

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Amount RL

Analytical Report

January 11, 2017

Client: Robert Kennedy

Aecom

250 Apollo Drive

Chelmsford, MA 01824

Phone: (978) 905-2100

Fax:

Email: robert.kennedy@aecom.com

Project No: Evergreen - Newburg Port

PO No: 6033343.09

Client Sample ID: B-6

Sample Date: 12/21/2016 EMA Sample No: 16122316-02 Date Received: 12/23/2016 Sample Matrix: Water

Analytical Method: FDA Import GC/MS/MS

Extraction Method: EPA 3510

Date Extracted: 12/28/2016

Date Completed: 12/30/2016

Surrogate:

Surrogate Level:

% Recovery:

Comments:

Analyte	µg/L	<u>µa</u> /∟
Imazalil	ND	0.15
Indoxacarb	ND	0.05
Iprobenfos	ND	0.15
Iprodione	ND	0.15
Isocarbamid (Isocarbamide)	ND	0.05
Isocarbophos	ND	0.05
Isodrin	ND	0.05
Isofenphos	ND	0.05
Isoprocarb	ND	0.05
Isopropalin	ND	0.05
Isoprothiolane	ND	0.15
Isoproturon	ND	0.15
Kresoxim-methyl	ND	0.05
Lenacil	ND	0.05
Leptophos	ND	0.05
Linuron	ND	0.05
Malaoxon (metabolite of Malathion)	ND	0.05
Malathion	ND	0.05
Mecarbam	ND	0.05
Mepanipyrim	ND	0.05
Mepronil	ND	0.05
Metalaxyl	ND ND	0.05 0.15
Metaldehyde Methidethion	ND ND	0.15
Methidathion Methiocarb	ND	0.05
Methoprene	ND	0.15
Methoprotryne	ND	0.05
Methoxychlor, o.p'-	ND	0.05
Methoxychlor, p,p'-	ND	0.05
Metolachlor	ND	0.05
Metolcarb	ND	0.15
Metrafenone	ND	0.05
Metribuzin	ND	0.05
Mevinphos	ND	0.15
Mexacarbate	ND	0.05
MGK-264	ND	0.05
Mirex	ND	0.05
Molinate	ND	0.15
Monocrotophos	ND	0.15
Monolinuron	ND	0.05
Myclobutanii	ND	0.05
Naled	ND	0.15
Naphthaleneacetamide, 1-	ND	0.05
Napropamide	ND	0.05
Nicotine	ND	0.15
Nitrofen	ND	0.05
Nitrothal-isopropyl	ND ND	0.05 0.05
Nonachlor, cis- Nonachlor, Trans-	ND	0.05
Nuarimol	ND	0.05
Omethoate	ND	0.05
Oxadiazon	ND	0.05
Oxadixyl	ND	0.05
Oxyflurofen	ND	0.15
Paclobutrazole	ND	0.15
Paraoxon-ethyl	ND	0.05
Paraoxon-methyl	ND	0.05
Parathion-ethyl	ND	0.05
Parathion-methyl	ND	0.05

January 11, 2017

Woodland, CA 95776

ELAP Certificate #2819

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Analytical Report

Client: Robert Kennedy Aecom 250 Apolio Drive Chelmsford, MA 01824 Phone: (978) 905-2100 Fax: Email: robert.kennedy@aecom.com

Project No: Evergreen - Newburg Port

PO No: 6033343.09

Client Sample ID: B-6

Sample Date: 12/21/2016 EMA Sample No: 16122316-02 Date Received: 12/23/2016 Sample Matrix: Water

Analytical Method: FDA Import GC/MS/MS

Extraction Method: EPA 3510 Date Extracted: 12/28/2016 Date Completed: 12/30/2016

Surrogate: Surrogate Level:

% Recovery:

Comments:

Analyte	Amount <u>µg/L</u>	RL <u>µ</u> q/L
Penconazole	ND	0.05
Pendimethalin (Penoxaline)	ND	0.05
Pentachioroaniline	ND	0.05
Pentachloroanisole	ND	0.05
Pentachlorobenzonitrile	ND	0.05
Pentachlorothioanisole	ND	0.05
Peopiconazole	ND	0.05
Permethrin I	ND	0.05
Permethrin II (trans)	ND ND	0.05
Phenothrin I	ND ND	0.05 0.05
Phenothrin II	ND	0.05
Phenthoate	ND	0.05
Phenylphenol, 2- Phorate	ND	0.05
Phorate sulfone	ND	0.05
Phorate sulfoxide	ND	0.05
Phosalone	ND	0.05
Phosmet	ND	0.05
Phosmet oxon	ND	0.15
Phosphamidon I	ND	0.05
Phosphamidon II	ND	0.05
Piperonyl Butoxide	ND	0.05
Pirimicarb	ND	0.05
Pirimiphos-ethyl	ND	0.05
Pirimiphos-methyl	ND	0.05
Prochloraz	ND	0.05
Procymidone	ND	0.05
Prodiamine	ND	0.15
Profenofos	ND	0.05
Profluralin	ND	0.05
Promecarb	ND	0.05
Prometon	ND ND	0.05
Prometryn	ND ND	0.05 0.05
Pronamide (Propyzamide)	ND	0.05
Propachlor Propanil	ND	0.05
Propargite	ND	0.05
Propetamphos	ND	0.05
Propham	ND	0.15
Propiconazole I	ND	0.05
Propiconazole II	ND	0.05
Propoxur	ND	0.05
Pyracarbolid	ND	0.05
Pyraclostrobin	ND	0.15
Pyrazophos	ND	0.05
Pyridaben	ND	0.05
Pyridaphenthion	ND	0.05
Pyrifenox I	ND	0.05
Pyrifenox II	ND	0.05
Pyrimethanil	ND	0.05
Pyriproxyfen	ND	0.05
Quinalphos	ND	0.05
Quinoxyfen	ND	0.05
Quintozene	ND	0.05
Resmethrin -cis (cismethrin)	ND	0.05
Ronnel (Fenchlorphos)	ND	0.05
Secbumeton	ND	0.05
Simazine	ND	0.05
Simetryn	ND	0.05

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Analytical Report

	Allaly	icai nepuri		Amount	RL
.el.	nuary 11, 2017		Analyte	µg/L	<u>µ</u> g/∟
081	11081 y 11, 2011		Spirodiclofen	ND	0.15
			Spiromesifen	ND	0.15
			Spiroxamine I	ND	0.05
			Spiroxamine II	ND	0.05
			Sulfotep	ND	0.05
Clinate	D-1	d	Sulprofos	ND	0.15
Client:	Robert Kenr	nedy	Tebuconazole	ND	0.05
	Aecom		Tebufenpyrad	ND	0.05
	250 Apollo I		Tebupirimfos	ND	0.05
	Chelmsford	, MA 01824	Tebutam	ND	0.05
Phone:	(978) 905-2	100	Tebuthiuron	ND	0.05
Fax:			Tecnazene (TCNB)	ND	0.05
Email:	robert.kenne	dy@aecom.com	Tefluthrin, cis-	ND	0.05
			Terbacil	ND	0.05
			Terbufos	ND	0.05
			Terbumeton	ND	0.15
	Project No:	Evergreen - Newburg Port	Terbuthylazine	ND	0.15
			Tetrachloraniline, 2,3,5,6-	ND	0.05
	PO No:	6033343.09	Tetrachlorvinphos, e-isomer	ND	0.05
			Tetraconazole	ND	0.05
0"		D. C.	Tetradifon	ND	0.05
Cilen	t Sample ID:	8-6	Tetrahydrophthalimide, cis-1,2,3,6-	ND	0.05
			Tetrahydrophthalimide, cis-Delta 4-	ND	0.15
			Tetramethrin I	ND	0.05
_			Tetramethrin II	ND	0.05
S	ample Date:	12/21/2016	Thiabendazole	ND	0.15
EMA	Sample No:	16122316-02	Thiamethoxam	ND	0.05
Dos	te Received:	12/23/2016	Thionazin	ND	0.15
			Tolclofos-methyl	ND ND	0.05 0.05
Sar	mple Matrix:	Water	Tolylfluanid Triadimefon	ND ND	0.05
			Triadimenol	ND	0.05
Analyt	ical Method:	FDA Import GC/MS/MS	Triazophos	ND	0.05
•			Tricyclazole	ND	0.15
Extract	tion Method:	EPA 3510	Trifloxystrobin	ND	0.05
_			Triflunizole	ND	0.05
Date	e Extracted:	12/28/2016	Trifluralin	ND	0.05
D-4-	Camalakada	10/00/0010	Trimethacarb, 2,3,5-	ND	0.05
Date	Completed:	12/30/2016	Trimethacarb, 3,4,5-	ND	0.05
			Trimidal (Nuarimol)	ND	0.05
	Surrogate:		Triticonazole	ND	0.05
C.,	ogate Level:		Vernolate	ND	0.15
Surre	Jyale Level:		Vinclozolin	ND	0.05
9	% Recovery:				0.00

Comments:

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
Tolerance data taken from 40 CFR § 180. Environmental Micro Analysis, Inc.
makes no claims as to the accuracy of tolerance numbers.
Excess sample and extracts are stored for a minimum of 30 days from the date of
analytical report. Special storage arrangements possible.
Results relate only to items tested.
Samples are analyzed as received.
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Date: 01/11/17 Reviewed by: ______ Don-Peterson, Laboratory Director

Page: 19 of 26

Environmental Micro Analysis, Inc. ISO 17025 accreditation ELAP Certificate #2819 460 N East Street

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Analytical Report

	Analyt	ical Report			-
	_	·	Analyte	Amount µg/L	RL <u>u</u> g/L
Ja	nuary 11, 2017		3-Hydroxycarbofuran	ND	0.05
			Acephate	ND	0.05
			Acetamiprid	ND	0.05
			Acetochlor	ND	0.05
			Acibenzolar-S-methyl	ND	0.05
011	5.1.11		Alanycarb	ND	0.05
Client:	Robert Ken	nedy	Aldicarb-sulfone	ND	0.05
	Aecom		Aldicarb-sulfoxide	ND	0.05
	250 Apollo		Ametryn	ND	0.05
	Chelmsford	I, MA 01824	Amicarbazone	ND	0.05
Phone:	(978) 905-2	2100	Aminocarb	ND	0.05
Fax:			Aspon	ND	0.05
Email:	robert.kenne	dy@aecom.com	Atrazine	ND	0.05
		•	Avermectin Ba	ND	0.05
			Azinphos-methyl	ND	0.05
			Azoxystrobin	ND	0.05
	Project No:	Evergreen - Newburg Port	Benalaxyl	ND	0.05
			Bendiocarb	ND	0.05
	PO No:	6033343.09	Benfuracarb	ND	0.05
			Bensulide	ND	0.05
			Benzoximate	ND	0.05
Clier	nt Sample ID:	B-6	Bifenazate	ND	0.05
			Bitertanol	ND	0.05
			Boscalid	ND	0.05
			Bromuconazole (isomer)	ND	0.05
5	Sample Date:	12/21/2016	Bupirimate	ND	0.05
FMA	Sample No:	16122316-02	Buprofezin	ND	0.05
	•		Butafenacil	ND	0.05
Da	te Received:	12/23/2016	Butocarboxim	ND	0.05
Sa	mple Matrix:	Water	Carbaryl	ND	0.05
	·		Carbendazim	ND ND	0.05
Analy	tion! Mothod:	FDA Import LC/MS/MS	Carbetamide	ND	0.05
Allaly	iicai weiiioo.		Carbofuran	ND	0.05
Extrac	tion Method:	EPA 3510	Carbosulfan	ND	0.05
			Carboxine	ND	0.05
Dat	te Extracted:	12/28/2016	Carfentrazone-ethyl	ND	0.05
			Chlorantraniliprole Chlordimeform	ND	0.05
Date	Completed:	12/30/2016		ND	0.05
			Chlorfenvinphos Chlorfluazuron	ND ND	0.05
	Surrogate:		Chloroxuron	ND	0.05
_			Chlorpyrifos	ND	0.05
Surr	rogate Level:		Chlorpyrifos-methyl	ND	0.05
			Chlortoluron	ND	0.05
	% Recovery:		Clethodim	ND	0.05
			Clofentezine	ND	0.05
			Clothianidin	ND	0.05
Comments	<u>:</u>		Coumaphos	ND	0.05
			Cumyluron	ND	0.05
			Cyanazine	ND	0.05
			Cyazofamid	ND	0.05
			Cycluron	ND	0.05
			Cyflufenamid	ND	0.05
			Cyhexatin	ND	0.05
			Cymoxanil	ND	0.05
			Cyproconazole (isomer)	ND	0.05
			Cyprodinil	ND	0.05
			Cyromazine	ND	0.05

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Analytical Report

el.	nuary 11, 2017		Analyte	Amount µq/L	RL VQ/L
00			Daimuron	ND	0.05
			Diafenthiuron	ND	0.05
			Diazinon	ND	0.05
			Dichlorvos	ND	0.05
			Diclobutrazol	ND	0.05
Client:	Robert Ken	nedv	Dicrotophos	ND	0.05
	Aecom	•	Diethofencarb	ND	0.05
	250 Apollo I	Drive	Difenoconazole	ND	0.05
	•	, MA 01824	Diflubenzuron	ND	0.05
Phone:	(978) 905-2	•	Dimethenamide	ND	0.05
Fax:	(3/0) 303-2	.100	Dimethoate	ND	0.05
		4.6	Dimethomorph	ND	0.05
Email:	robert.kenne	dy@aecom.com	Dimoxystrobin	ND	0.05
			Diniconazole Dioxacarb	ND ND	0.05
			Diuron	ND	0.05
	Project No:	Evergreen - Newburg Port	DMST	ND	0.05
	•	•	DNOC	ND	0.05
	PO No:	6033343.09	Dodine	ND	0.05
			Doramectin	ND	0.05
			Emamectin Ba	ND	0.05
Clier	nt Sample ID:	B-6	Epoxiconazole	ND	0.05
			Eprinomectin	ND	0.05
			Esprocarb	ND	0.05
_			Ethidimuron	ND	0.05
S	Sample Date:	12/21/2016	Ethiofencarb	ND	0.05
EMA	Sample No:	16122316-02	Ethiofencarb-sulfoxide	ND	0.05
	te Received:		Ethion	ND	0.05
			Ethiprole	ND	0.05
Sa	mple Matrix:	Water	Ethirimol	ND	0.05
			Ethofumesate Ethoprop	ND ND	0.05 0.05
Analy	tical Method:	FDA Import LC/MS/MS	Etobenzanid	ND	0.05
•			Etoxazole	ND	0.05
Extrac	tion Method:	EPA 3510	Famoxadone	ND	0.05
	-	47/00/0040	Fenamidone	ND	0.05
Dat	e Extracted:	12/28/2016	Fenarimol	ND	0.05
Date	Completed:	12/20/2016	Fenazaquin	ND	0.05
Date	Completed.	12/30/2016	Fenbuconazole	ND	0.05
	Surrogate:		Fenbutatin Oxide	ND	0.05
	ourrogate.		Fenhexamid	ND	0.05
Surr	ogate Level:		Fenobucarb	ND	0.05
	•		Fenoxycarb	ND	0.05
	% Recovery:		Fenpropimorph	ND	0.05
			Fenpyroximate	ND	0.05
			Fenuron	ND	0.05
Comments:			Flonicamid	ND	0.05
			Fluazifop-butyl	ND	0.05
			Flubendiamide	ND ND	0.05
			Fludioxinil Flufenacet	ND ND	0.05
			Flufenoxuron	ND ND	0.05
			Fluometuron	ND ND	0.05
			Fluopicolide	ND	0.05
			Fluoxastrobin	ND	0.05
			Fluquinconazole	ND	0.05
			Flusilazole	ND	0.05
			Flutolanil	ND	0.05
D - D	d an an-4 ^		Flutriafol	ND	0.05
ND = None	d on another So Detected at the	reen Reporting Limit (RL)	Fomesafen	ND	0.05
Tolerance d	ata taken from 4	10 CFR § 180. Environmental Micro Analysis, Inc.	Forchlorfenuron	ND	0.05
makes no cl	aims as to the a	accuracy of tolerance numbers. are stored for a minimum of 30 days from the date of	Formetanate	ND	0.05
analytical re	port. Special sta	orage arrangements possible.	Fuberidazole	ND	0.05
	te only to items	tested.	Furalaxyl	ND	0.05
Results rela					
Results rela Samples are Reports sho	e analyzed as re uld not be repro	duced, except in full, without written consent by			
Results rela Samples are Reports sho Environmen	analyzed as re uld not be repro tal Micro Analys	duced, except in full, without written consent by			

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Analytical Report

	Allalyt	icai neport	Analyte .	Amount	RL
Ja	nuary 11, 2017		Analyte	<u>µq/L</u>	<u>uq/L</u>
	• •		Halofenozide	ND	0.05
			Hexaflumuron	ND	0.05
			Hexazinone	ND	0.05
			Hexythiazox	ND	0.05
			Hydramethylnon	ND	0.05
Client:	Robert Ken	nady	lmazalil	ND	0.05
O.I.C.III.	Aecom	iedy	Imazapyr	ND	0.05
		Dullen	Imazethapyr	ND	0.05
	250 Apollo I		Imibenconazole	ND	0.05
Phone:		, MA 01824	Imidacloprid	ND	0.05
-	(978) 905-2	100	Indoxacarb	ND	0.05
Fax:			Ipconazole	ND	0.05
Email:	robert.kenne	dy@aecom.com	Iprovalicarb	ND	0.05
			Isocarbamid	ND	0.05
			Isofenphos	ND	0.05
	Project No:	Evergreen - Newburg Port	Isoprocarb	ND	0.05
	i ioject ivo.	Lvergreen - Newburg 1 Ort	Isoprothiolane	ND	0.05
	70 N	C077742 00	Isoproturon	ND	0.05
	PO No:	6033343.09	Ivermectin	ND	0.05
			Kresoxim-methyl	ND	0.05
Clion	t Sample ID:	R-6	Lactofen	ND	0.05
CHE	it sample ib.	5-0	Linuron	ND	0.05
			Malathion	ND	0.05
			Mandipropamid	ND	0.05
		17/71/7016	Mefenacet	ND ND	0.05 0.05
3	ample Date:	12/21/2016	Mepanipyrim Mepronil	ND	0.05
EMA	Sample No:	16122316-02	Metaflumizone	ND	0.05
Da	te Received:	12/23/2016	Metalaxyl	ND	0.05
			Metconazole	ND	0.05
Sa	mple Matrix:	Water	Methamidophos	ND	0.05
			Methfuroxam	ND	0.05
Analyt	ical Method:	FDA Import LC/MS/MS	Methidathion	ND	0.05
_		ED 4 0540	Methiocarb	ND	0.05
Extrac	tion Method:	EPA 3510	Methomyl	ND	0.05
Dot	e Extracted:	12/28/2016	Methoprotryne	ND	0.05
Dat	e Extracteu.	12202010	Methoxyfenozide	ND	0.05
Date	Completed:	12/20/2016	Metobromuron	ND	0.05
Date	completed.	12/30/2010	Metolachlor	ND	0.05
	Surrogate:		Metoxuron	ND	0.05
	Surrogate:		Metrafenone	ND	0.05
Surr	ogate Level:		Metribuzin	ND	0.05
	-9-1		Metsulfuron-methyl	ND	0.05
	% Recovery:		Mevinphos	ND	0.05
			Mexacarbate	ND	0.05
			Molinate	ND	0.05
Comments			Monocrotophos	ND	0.05
	•		Monolinuron	ND	0.05
			Moxidectin	ND	0.05
			Myclobutanil	ND	0.05
			Naproparnide	ND	0.05
			Neburon	ND	0.05
			Nitenpyram	ND	0.05
			Novaluron	ND	0.05
			Omethoate	ND ND	0.05 0.05
			Oxamyl Oxadixyl	ND ND	0.05
			Oxacixyi	ND	0.03

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
Tolerance data taken from 40 CFR § 180. Environmental Micro Analysis, Inc.
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D	01/11/17		Donald	a. Peters		
Date: _	01/11/17	Reviewed by:	(onard_	a. Pelaro	Don Peterson,	Laboratory Directo

Page: 22 of 26

ELAP Certificate #2819

Phone: (530) 666-6890 Fax: (530) 666-2987 e-mail: emalab@emalab.com website: www.emalab.com

Analytical Report

Analyt	ical Report			
January 11, 2017	·	Analyte	Amount μα/L	RL µg/L
54.154.7 1.1, 2 577		Pencycuron	ND	0.05
		Pendimethalin	ND	0.05
		Phorate	ND	0.05
		Phosmet	ND	0.05
		Phoxim	ND	0.05
Client: Robert Ken	u de .	Picoxystrobin	ND	0.05
	neay	Piperonyl butoxide	ND	0.05
Aecom		Pirimicarb	ND	0.05
250 Apollo		Pirimiphos-methyl	ND	0.05
	I, MA 01824	Prochloraz	ND	0.05
Phone: (978) 905-2	2100	Promecarb	ND	0.05
Fax:		Prometon	ND	0.05
Email: robert.kenne	dy@aecom.com	Prometryn	ND	0.05
	• • • • • • • • • • • • • • • • • • • •	Propachlor	ND	0.05
		Propamocarb	ND	0.05
	•	Propargite	ND	0.05
Project No:	Evergreen - Newburg Port	Propazine	ND	0.05
		Propham	ND	0.05
PO No:	6033343.09	Propiconazole	ND	0.05
		Propoxur	ND	0.05
		Propyzamide	ND	0.05
Client Sample ID:	B-6	Pymetrozin	ND	0.05
		Pyracarbolid	ND	0.05
		Pyraclostrobin	ND	0.05
		Pyridaben	ND	0.05
Sample Date:	12/21/2016	Pyridaphenthion	ND	0.05
EMA Sample No:	16122316-02	Pyrimethanil	ND	0.05
•		Pyriproxyfen	ND	0.05
Date Received:	12/23/2016	Quinoxyfen	ND	0.05
Sample Matrix:	Water	Sebuthylazine	ND	0.05
		Secbumeton	ND	0.05
	EDA Import I CAICAIC	Sethoxydim	ND	0.05
Analytical Method:	FDA Import LC/MS/MS	Siduron	ND	0.05
Extraction Method:	EPA 3510	Simazine	ND	0.05
Extraction Method:	C) A 0010	Simetryn	ND	0.05
Date Extracted:	12/28/2016	Spinetoram-J +L	ND	0.05
Data Extraocou.		Spinosad	ND	0.05
Date Completed:	12/30/2016	Spirodiclofen	ND	0.05
		Spiromecifen	ND	0.05
Surrogate:		Spirotetramat	ND	0.05
ouoguioi		Spiroxamine	ND	0.05
Surrogate Level:		Sulfentrazone	ND	0.05
· ·		Tebuconazole	ND	0.05
% Recovery:		Tebufenozide	ND	0.05
•		Tebufenpyrad	ND	0.05
		Tebuthiuron	ND	0.05
Comments:		Temephos	ND	0.05
		Tepraloxydim	ND	0.05
		Terbumeton	ND	0.05
		Terbutryn	ND	0.05
		Tetraconazole	ND	0.05
		Thiabendazole	ND	0.05
		Thiacloprid	ND	0.05
		Thiamethoxam	ND	0.05
		Thidiazuron	ND	0.05
		Thiobencarb	ND	0.05
		Thiofanox	ND	0.05
		Thiophanate-methyl (Carbendazim)	ND	0.05
R = Reported on another So	reen	Triadimefon	ND	0.05
ND = None Detected at the	Reporting Limit (RL)	Triadimenol	ND	0.05
Tolerance data taken from 4	0 CFR § 180. Environmental Micro Analysis, Inc.	Triazophos	ND	0.05
makes no claims as to the a	ccuracy of tolerance numbers.	Tricyclazole	ND	0.05
analytical report. Special st	are stored for a minimum of 30 days from the date of orage arrangements possible.	Tridemorph	ND	0.05
Results relate only to items Samples are analyzed as re Reports should not be repro	lested. ceived. duced. except in full, without written consent by			
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pdf	See the majorital and the see that the see t			

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Woodland, CA 95776

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Analyte

Trifloxystrobin Triflumizole

Triflusulfuron-methyl

Triphenyl Phosphate

Triflumuron

Triticonazole

Uniconazole

Vamidothion

Zoxamide

<u>RL</u> μα/L

0.05

0.05

0.05

0.05

0.05

0.05

0.05

0.05

Amount

ND

ND

ND

ND

ND

ND

ND

ND

Analytical Report

January 11, 2017

Client: Robert Kennedy

Aecom

250 Apollo Drive Chelmsford, MA 01824

Phone: (978) 905-2100

Fax:

Email: robert.kennedy@aecom.com

Project No: Evergreen - Newburg Port

PO No: 6033343.09

Client Sample ID: B-6

Sample Date: 12/21/2016 EMA Sample No: 16122316-02 Date Received: 12/23/2016 Sample Matrix: Water

Analytical Method: FDA Import LC/MS/MS

Extraction Method: EPA 3510 Date Extracted: 12/28/2016 Date Completed: 12/30/2016

Surrogate:

Surrogate Level:

% Recovery:

Comments:

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ND = None Detected at the Reporting Limit (RL)
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Samples are analyzed as received.

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Joseph a Paterson, Laboratory Director Date: __01/11/17 Reviewed by: ___

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Analyte

Ferbam

Metiram

Naham Thiram

Zineb

Ziram

Maneb (Dithane M-22) Mancozeb

RL µg/L

30

30

30

30

30

30

30

ND

ND

ND ND

ND

ND

ND

Analytical Report

January 11, 2017

Client: Robert Kennedy

Aecom

250 Apollo Drive

Chelmsford, MA 01824

Phone: (978) 905-2100

Fax:

Email: robert.kennedy@aecom.com

Project No: Evergreen - Newburg Port

PO No: 6033343.09

Client Sample ID: B-6

Sample Date: 12/21/2016 EMA Sample No: 16122316-02 Date Received: 12/23/2016 Sample Matrix: Water

Analytical Method: EBDC Screen

Extraction Method: CDFA

Date Extracted: 12/28/2016

Date Completed: 12/29/2016

Surrogate:

Surrogate Level:

% Recovery:

Comments:

R = Reported on another Screen
ND = None Detected at the Reporting Limit (RL)
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Jonal a Vitama __ Don Peterson, Laboratory Director Reviewed by: __

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Analytical Report

		Analyte	μα/L.	<u>µa/L</u>
Ja	nuary 11, 2017	2. 4 - D	ND	0.25
		2, 4 -DB	ND ND	0.25
			ND ND	0.23
		2, 4, 5 - T		
		2, 4, 5 -TP	ND	0.13
		Dicamba	ND	0.13
Client:	Robert Kennedy	Dichloroprop	ND	0.13
Olicit.	•	Dinoseb	ND	0.13
	Aecom	Bentazon	ND	0.25
	250 Apollo Drive	MCPA	ND	0.25
	Chelmsford, MA 01824	MCPP	ND	0.25
Phone:	(978) 905-2100	Triclopyr	ND	0.25
Fax:				

Project No: Evergreen - Newburg Port

PO No: 6033343.09

Client Sample ID: B-6

Email: robert.kennedy@aecom.com

Sample Date: 12/21/2016 EMA Sample No: 16122316-02 Date Received: 12/23/2016 Sample Matrix: Water

Analytical Method: EPA 8151A (w)

Extraction Method: EPA 8151A

Date Extracted: 12/28/2016

Date Completed: 12/30/2016

Surrogate:

Surrogate Level:

% Recovery:

Comments:

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Client:

QUALITY CONTROL REPORT

EMA Data Set: 16122316 Robert Kennedy

Aecom

250 Apollo Drive

Chelmsford , MA 01824

Date Analyzed: 12/30/2016

Sample Spiked: 16122316-00 Matrix: Water

Test: EPA 8141A (W)

			Recovery in Percent		
Spike Compound	Spike Level	Units	Spike	Duplicate	
Diazinon	2.50	μg/L	87.1	94.3	
Methyl Parathion	2.50	μg/L	85.1	90.9	
Tetrachlorvinphos	2.50	μg/L	82.7	89.0	
Azinphos Methyl	2.50	μg/L	106.7	108.1	

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Client:

QUALITY CONTROL REPORT

Robert Kennedy

Aecom

250 Apollo Drive

Chelmsford , MA 01824

Date Analyzed: 12/30/2016

EMA Data Set: 16122316

Sample Spiked: 16122316-00

Matrix: Water

Test: EPA 8081A (w)

2. 7. 000 . 7. (11)			Recovery in Percent		
Spike Compound	Spike Level	<u>Units</u>	Spike	Duplicate	
Dichlobenil	0.5	μg/L	54.8	53.5	
alpha-BHC	0.5	μg/L	81.8	83.9	
Lindane	0.5	μg/L	78.8	80.6	
Heptachlor	0.5	μg/L	67.0	69.3	
4,4'-DDT	0.5	μg/L	91.8	93.8	

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Client:

QUALITY CONTROL REPORT

Robert Kennedy

Aecom

250 Apollo Drive

Chelmsford , MA 01824

Date Analyzed: 12/30/2016

EMA Data Set: 16122316

Sample Spiked: 16122316-00

Matrix: Water

Test: GCMSMS

			Recovery in Percent	
Spike Compound	Spike Level	<u>Units</u>	Spike	Duplicate
Bifenthrin	2.5	μg/L	109.0	106.7
a-BHC	0.5	μg/L	70.1	80.5
Methyl Parathion	2.50	μg/L	99.1	99.5
Metalaxyl	25	μg/L	108.1	109.0
Azinphos Methyl	2.50	μg/L	121.3	124.3
Methiocarb	2.5	μg/L	101.4	100.7

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Client:

QUALITY CONTROL REPORT

Robert Kennedy

EMA Data Set: 16122316

Aecom

250 Apollo Drive

Chelmsford , MA 01824

Date Analyzed: 12/30/2016

Sample Spiked: 16122316-00

Matrix: Water

Test: LCMSMS Screen

20			Recovery in Percent		
Spike Compound	Spike Level	<u>Units</u>	Spike	Duplicate	
Abamectin	0.25	μg/L	84.1	93.6	
Imidacloprid	0.25	μg/L	100.6	126.6	
Methoxyfenozide	0.25	μg/L	115.7	135.5	
Spinetoram	0.25	μg/L	102.7	107.8	
Spinosad	0.25	μg/L	116.2	109.7	
Spirotetramat	0.25	μg/L	134.2	109.8	

Environmental Micro Analysis, Inc.

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Client:

QUALITY CONTROL REPORT

Robert Kennedy

EMA Data Set: 16122316

Aecom

250 Apollo Drive

Chelmsford , MA 01824

Date Analyzed: 12/29/2016

Sample Spiked: 16122316-00

Matrix: Water

Test: Glyphosate

Recovery in Percent Spike Compound Spike Level Units Spike Duplicate Glyphosate 95.3 100 μ g/L 92.1

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Client:

QUALITY CONTROL REPORT

Robert Kennedy

EMA Data Set: 16122316

Aecom

250 Apollo Drive

Chelmsford , MA 01824

Date Analyzed: 1/3/2017

Matrix: Water

Sample Spiked: 16122316-00

Test: EPA 8151A (w)

()			Recovery in Percent		
Spike Compound	Spike Level	<u>Units</u>	Spike	Duplicate	
Dichloroprop	2	μg/L	73.4	72.2	
2,4,5-TP	1.0	μg/L	92.2	75.9	
2,4,5-T	1.0	μg/L	98.1	85.3	
Bentazone	2.0	μg/L	128.1	124.2	